



**THE TANNER  
CONFERENCE**

**WELLESLEY  
IN THE  
WORLD**

New Directions  
in Liberal  
Education

November 4, 2003



## THE TANNER CONFERENCE

It is our privilege to invite your participation in the 2003 Tanner Conference. Established through the generosity of trustee emerita Estelle “Nicki” Newman Tanner ’57, the Tanner Conference explores the relationship between the liberal arts classroom and student participation in an increasingly diverse and interdependent world. The conference is premised on the belief that a greater understanding of the learning that takes place off campus – combined with critical inquiry into the purpose, value and effect of such learning – has the potential to move liberal education in new directions.

Encompassing the diversity of student experiences and interests, the Tanner Conference takes as its subject internships and service learning, international study, experiential learning in courses, research conducted away from Wellesley and fellowships. The conference provides a venue for faculty, staff and students to discuss the challenges to teaching and learning presented by new definitions of what constitutes the classroom. It also invites alumnae to return to campus to discuss how their decisions to participate in these experiences as Wellesley students later proved to be ones of consequence.

Representing the work of approximately 300 Wellesley students, alumnae, faculty and staff, the 2003 Tanner Conference is organized around five broad themes:

Culture and the Arts; Politics, Economics and Activism; Cross-Cultural Interaction; Learning, Service and Youth; and, Science, Medicine and Public Health. The conference includes an exhibition featuring information on internships, service learning opportunities, international study and fellowships.

We wish to thank all those presenting in the Tanner Conference for their roles in helping us to understand better Wellesley’s place in the world. We invite you to join the conversation they are seeking to foster.

### The 2003 Tanner Committee

Judith B. Black  
*Department of Art*

Caitlin Blaser  
*Class of 2004*

Jenna Bond-Louden  
*Class of 2004*

Amy Capman  
*Center for Work and Service*

Lee Cuba  
*Office of the Dean of the College*

Jessica M. Goldman  
*Class of 2006*

Melissa Hawkins  
*Center for Work and Service*

Sylvia S. Hiestand  
*International Studies and Services*

Lori A. Johnson  
*Department of Political Science*

Lidwien Kapteijns  
*Department of History*

Joanne Murray ’81  
*Center for Work and Service*

Nicholas L. Rodenhouse  
*Department of Biological Sciences*

Jessica Shlasko DS’98  
*Alumnae Association*

Margaret Ward  
*Department of German*

Winifred Wood  
*The Writing Program*

## THEMATIC OVERVIEW

### Culture and the Arts

A Woman in a Man's World	individual presentations	9:15 A.M.	Pendleton East 139
Where There Is Time and Peace Enough to Hear Your Heart Beat: A Photographic Essay	exhibit	9:15 A.M.	Pendleton Atrium
Endpoints: Moving from Simple Reflection to Finished Work	roundtable	9:15 A.M.	Pendleton East 151
How Work Really Gets Done: From Theory to Practice	individual presentations	10:40 A.M.	Pendleton West 117
Art and Auschwitz: The Ethics of Representing Atrocity	panel	10:40 A.M.	Collins Cinema
The Arts and Discovery	individual presentations	2:10 P.M.	Pendleton West 116
Facing War: Summer Theatre and World Conflict, Embracing Questions	panel	2:10 P.M.	Jewett Auditorium
From Reflection to Presentation	roundtable	2:10 P.M.	Pendleton East 151
The Politics of Public Buildings	individual presentations	3:35 P.M.	Pendleton West 116
Japan: Common/Uncommon Observations	exhibit	3:35 P.M.	Pendleton Atrium

### Politics, Economics and Activism

Behind Bulletproof Glass: Observations on the International Criminal Tribunal for the former Yugoslavia	panel	9:15 A.M.	Pendleton East 339
Off Capitol Hill: How Non-Profits and the Media Shape Federal Law and Public Dialogue	panel	9:15 A.M.	Pendleton East 239
Women's Leadership in Global Business	individual presentations	9:15 A.M.	Pendleton West 220
Women with a Cause	individual presentations	10:40 A.M.	Pendleton East 339
The State in the Twenty-First Century	individual presentations	10:40 A.M.	Pendleton East 349
Grassroots Projects That Work	individual presentations	10:40 A.M.	Pendleton West 116
The Role of Activism in a Liberal Arts Education	roundtable	10:40 A.M.	Pendleton East 151
Between Partisan Posturing and Turf Battles: How Work Does (and Doesn't) Get Done in Washington, D.C.	panel	2:10 P.M.	Pendleton West 212
The Politics of Food	individual presentations	2:10 P.M.	Pendleton East 239
From Understanding to Activism	individual presentations	3:35 P.M.	Pendleton East 339
Insider Perspectives	individual presentations	3:35 P.M.	Pendleton East 139
Cities in the Twenty-First Century	panel	3:35 P.M.	Pendleton West 117

### Cross-Cultural Interaction

Mezcla: At Wellesley, at Work and in the World	panel	9:15 A.M.	Pendleton East 129
What <i>Lonely Planet</i> Didn't Tell Us: Beyond the Academic Bubble	panel	9:15 A.M.	Pendleton West 212
Confronting the Unexpected	individual presentations	10:40 A.M.	Pendleton East 129
Fellowship Travels	panel	10:40 A.M.	Pendleton West 220
American <i>Kimchee</i> : Korean-Americans at a Crossroads	panel	2:10 P.M.	Pendleton East 349
Portraits of Change: Student Perspectives on Postapartheid South Africa	panel	2:10 P.M.	Pendleton West 117
Struggling with Stereotypes	individual presentations	2:10 P.M.	Pendleton East 351
Vienna: Gateway to Eastern Europe	panel	3:35 P.M.	Pendleton East 351
<i>L'Etranger</i> : Experiencing Otherness in France	panel	3:35 P.M.	Collins Cinema
The Role of Study Abroad in a Wellesley Education	roundtable	3:35 P.M.	Pendleton East 151

## Learning, Service and Youth

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<i>Riqueza: Giving by Receiving and Receiving by Giving</i>	panel	9:15 A.M.	Pendleton East 349
Diversity and Identity in the Classroom	individual presentations	10:40 A.M.	Pendleton East 139
For the Children	individual presentations	10:40 A.M.	Pendleton West 212
Growing Pains: Balancing Growth and Service in a Rapidly Expanding Community Organization	panel	2:10 P.M.	Pendleton West 220
Curricular Innovations	individual presentations	2:10 P.M.	Pendleton East 139
Facing Adversity	individual presentations	3:35 P.M.	Pendleton West 220
Learning from Children	individual presentations	3:35 P.M.	Pendleton East 129

## Science, Medicine and Public Health

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Public Health in the New Millennium: Not Your Grandma's Medicine	panel	9:15 A.M.	Pendleton East 127
The Teaching and Practice of Science	individual presentations	9:15 A.M.	Pendleton West 117
Adventures in Hands-on Science	panel/individual presentation	9:15 A.M.	Pendleton West 116
Cancer Research	individual presentations	10:40 A.M.	Pendleton East 127
Third (and Fourth) Rock from the Sun	individual presentations	10:40 A.M.	Pendleton West 121
Common Injuries Associated with Athletic Women	panel	10:40 A.M.	Pendleton East 239
Community-Based Health Initiatives	individual presentations	2:10 P.M.	Pendleton East 129
Neuroscience Investigations	individual presentations	2:10 P.M.	Pendleton East 127
Seeking Cures	individual presentations	3:35 P.M.	Pendleton East 127
Public Health Challenges	individual presentations	3:35 P.M.	Pendleton West 212
Corporate vs. Academic Technology Internships	panel	3:35 P.M.	Pendleton East 349
The Soul of Siberia: Uncovering the Culture and Ecology of the World's Great Lake, Russia's Baikal	panel	3:35 P.M.	Pendleton East 239

## CONFERENCE SCHEDULE

8:30–9:15 A.M.

### Continental Breakfast

Pendleton Atrium

9:15–10:25 A.M.

### Culture and the Arts

#### A Woman in a Man's World (individual presentations)

Pendleton East 139

*Jennifer P. Dietz*, Upside Down: Equine Medicine in Australia

*Dara S. Antrum*, Not as Glamorous as the Stars: Behind the Scenes of the National Basketball Association

*Zehra Q. Fazal*, Forging Frontiers, Shattering Stereotypes: Women in the Japanese Entertainment Industry

*Mildred Kristine P. Vitug*, Hollywood Filmmaking: Breaking Down the Glamour

#### Where There Is Time and Peace Enough to Hear Your Heart Beat: A Photographic Essay (exhibit)

Pendleton Atrium

*Lindsay A. Lewis*

#### Endpoints: Moving from Simple Reflection to Finished Work (roundtable)

Pendleton East 151

*Alexandra Johnson*, *Sarah Ligon '03*, *Shirley Hsu '03*, *Winifred Wood* and *Judith Black*

### Politics, Economics and Activism

#### Behind Bulletproof Glass: Observations on the International Criminal Tribunal for the former Yugoslavia (panel)

Pendleton East 339

*Cecilia A. Fong*, *Elizabeth A. Mandeville* and  
*Anna J. Kurien*

#### Off Capitol Hill: How Non-Profits and the Media Shape Federal Law and Public Dialogue (panel)

Pendleton East 239

*Jessica S. Berger*, *Giffen M. Maupin* and *Elissa Johnk*

#### Women's Leadership in Global Business (individual presentations)

Pendleton West 220

*Jennifer L. Schwalbenberg*, A Blank Page: Creating an International Internship Experience

*Jenna Bond-Louden* and *Monica Chambers*, Running and Riding Markets

### Cross-Cultural Interaction

#### Mezcla: At Wellesley, at Work and in the World (panel)

Pendleton East 129

*Sarah M. Rettger*, *Mary McCoy* and *Nicole Stinson*

#### What *Lonely Planet* Didn't Tell Us: Beyond the Academic Bubble (panel)

Pendleton West 212

*Abby Barker*, *Sari Alper*, *Melissa Banzon*,  
*Carolina Gomes-Casseres*, *Meagan Lizarazo*  
and *Emily Pierson*

### Learning, Service and Youth

#### Riqueza: Giving by Receiving and Receiving by Giving (panel)

Pendleton East 349

*Katharine L. Tighe*, *Kathryn Trites*, *Sultana Noormuhammad*, *Narges Bajoghli*, *Monica Pal*, *Maria Banica* and *Ursula Jessee*

### Science, Medicine and Public Health

#### Public Health in the New Millennium: Not Your Grandma's Medicine (panel)

Pendleton East 127

*Leslie M. Wilson*, *Theresa E. Sommers* and  
*Abigail L. Carlson*

#### The Teaching and Practice of Science (individual presentations)

Pendleton West 117

*Jennifer M. Huff* and *Kali E. Wilson*, Teaching Opportunities in Physical Science: A New Summer Program at the MIT Center for Ultracold Atoms

*Lindsey M. Habermann*, Conflicted Compassion: The Controversy of Rehabilitating Invasive Species

*Tara A. Chiatovich '03*, Learning Online and Overseas: Research on the Psychology of Hypertext Navigation in the South of France

#### Adventures in Hands-on Science (panel/individual presentation)

Pendleton West 116

*Andrea Hodgins-Davis*, *Catherine K. Brinkley*,  
*KimMi Whitehead* and *Ashley M. Johnson*, Tropical Ecology in Costa Rica and Belize

*Erzsi M. Szilagy*, Do Opposites Attract? Conformational Preferences of 2-Fluorosuccinic Acid

10:25–10:40 A.M.

### Break

Refreshments served in Pendleton Atrium

10:40–11:50 A.M.

### Culture and the Arts

#### How Work Really Gets Done: From Theory to Practice (individual presentations)

Pendleton West 117

*Anne L. Harrington*, Experiencing Architecture from Within a California Firm

*Marlena E.S. Whiting*, *Christina Walsh* and  
*Jennifer R. Cone*, So, You Want to Be an Archaeologist?

*Annie E. Orr*, Public Radio: Not Just for Former Hippies

#### Art and Auschwitz: The Ethics of Representing Atrocity (panel)

*Collins Cinema*

*Sarah Jane Wilson*, *Beth Merfish*, *Ingrid Soderland*, *Amber L. Lachapelle*, *Kellie Abbott* and *Elizabeth Condrick '03*

### Politics, Economics and Activism

#### Women with a Cause (individual presentations)

Pendleton East 339

*Marilyn M. Yasus*, The Coordinating Agency for Spanish Americans: Unleashing the Potential of the Burgeoning Latino Population in Suburban New York

*Karen L. Andrews*, The Legacy of the Greenham Common Peace Women

*Regina M. Garza*, *Brukman*: The Factory Is Ours! The Fight Is Everyone's!

## **The State in the Twenty-First Century (individual presentations)**

*Pendleton East 349*

*Marina A. Turlakova*, When Big Doesn't Mean Good: German State Parliament Facing the Challenge of the Stronger European Union

*Lindsey C. Boylan*, Living on the Line: The Landscape of the U.S.-Mexican Border

*Paulina Ponce de Leon Barido*, On the Other Side: Working for the Afghan Government

## **Grassroots Projects That Work (individual presentations)**

*Pendleton West 116*

*Kerry B. Murphy*, Basic Ideas, Radical Changes: Witnessing Grassroots Education Reform in Yunnan's Minority Areas

*Eleanor M. Blume*, Networking and the Net Result: Bridging the Theories and Reality of Asset-Based Community Development

*Salwa N. Muhammad, Zafrin Rahman and Samantha S. Huq*, Different Facets of Development in Bangladesh

## **The Role of Activism in a Liberal Arts Education (roundtable)**

*Pendleton East 151*

*Candice Manatsa, Farrowe Pan, Joanne Murray '81, Lidwien Kapteijns and Margaret Ward*

## **Cross-Cultural Interaction**

### **Confronting the Unexpected (individual presentations)**

*Pendleton East 129*

*Martha A. Ortiz*, Layers of Learning: Moving Beyond the Internship and Benefiting from the Experience

*Annabelle E. Oh*, Far and Away: Asian-Americans in Spain

*Amelia Levin*, In the Middle of Nowhere

### **Fellowship Travels (panel)**

*Pendleton West 220*

*Sung Bang '00, Tabitha Decker '01, Jane Mars '02, Jenn Piscopo '02 and Wallis Wilkinson '01*

## **Learning, Service and Youth**

### **Diversity and Identity in the Classroom (individual presentations)**

*Pendleton East 139*

*Aimee S. Mizuno*, Finding a Place to Be Both: The Empowerment of Mixed Race Children at the AmerAsian School in Okinawa

*Marissa L. Mounds and Courtney R. Gomez*, The Psychology of Acculturation: Learning from Students and Teachers in a Multicultural Middle School

### **For the Children (individual presentations)**

*Pendleton West 212*

*Amber A. Mahone '03*, Kattia and Osvaldo's Law: The Campaign Against Violence and Sexual Exploitation of Children in Costa Rica

*Fazeelat Aslam*, Human Rights: Injustice in Pakistan

*Jennie S. Berman*, Strengths and Weaknesses of International Organizations: Experiences Working at the United Nations Children's Fund (UNICEF)

*Motlalepula Mmesi*, South Africa's AIDS Orphans: A Multifaceted Battlefield

## **Science, Medicine and Public Health**

### **Cancer Research (individual presentations)**

*Pendleton East 127*

*Jing Chen*, The Mechanism Underlying the Growth Stimulating Effect of Antizyme Inhibitor in 293 Cells

*Alissa R. Cohen*, Angiogenesis: The Life Support of Cancer

*Nicole R. Maddox*, Broccoli Power: Broccoli Joins the Battle against Cancer

*Laure-Anne Ventouras*, Solo or Duet? Understanding the Mechanism of Action of Hsp90 in the Human Cell

### **Third (and Fourth) Rock from the Sun (individual presentations)**

*Pendleton West 121*

*Kristin Morell*, Martian Geology: What Craters Can Tell Us

*Melissa S. Rice*, Nitric Oxide in the Earth's Upper Atmosphere

*Jessica B. Doyle*, Digital Mapping in Muscongus Bay, Maine: Global Positioning Systems, Electronic Total Stations and Geographic Information Systems

*Alexis K. Ault '03*, Exploring the Lower Crust: Fieldwork and Geochronology in the Snowbird Tectonic Zone

### **Common Injuries Associated with Athletic Women (panel)**

*Pendleton East 239*

*Portland V. Knox, Jessa Barder, Christina E. Baer, Marisa Johnson, Rebekah C. Rubin and Dhivya R. Kannabiran*

## **12–2 P.M.**

### **Tanner Conference Exhibition and Luncheon**

*Jewett Arts Center*

The Tanner Exhibition provides students the opportunity to learn about Wellesley's international study, internship and fellowship programs. Faculty, staff and student representatives from Wellesley's programs will be available to speak with students.

All members of the Wellesley College community are invited to lunch, which will be distributed at the following locations: Jewett Lower Lobby, Pendleton Atrium, and the Jewett Archway. (In the event of inclement weather, lunch will be served at Bates, Tower, Cazenove, and Beebe. A Kosher option will be available upon request at Bates. Inclement weather changes will be announced on Community and Faculty-Staff FirstClass conferences on the morning of the Tanner Conference.)

Specialty desserts will be available at the Exhibition in the Jewett Arts Center.

## **2:10–3:20 P.M.**

### **Culture and the Arts**

#### **The Arts and Discovery (individual presentations)**

*Pendleton West 116*

*Ailin N. Conant and Rebecca J. Goldberg*, *En Busca de la Cantadora*: Art and Discovery in the Andes

*Jennifer O'Donnell and Maia MacDonald*, "Krik, Krak", "An Island Possessed" and "Rara": Synthesizing Dance, Music and Culture in Haiti

**Facing War: Summer Theatre and World Conflict, Embracing Questions (panel)**

*Jewett Auditorium*

*Alison H. Buchbinder, Kelsey Peterson, Victoria George, Kimberly Hale, Tori Woodhouse, April Rouleau, Emily Henderson and Nandita Dinesh*

**From Reflection to Presentation (roundtable)**

*Pendleton East 151*

*Craig Murphy, Julia Miwa, Christopher Candland, Ellie Perkins '65, Leyla Derbali, Lori Johnson and Caitlin Blaser*

**Politics, Economics and Activism**

**Between Partisan Posturing and Turf Battles: How Work Does (and Doesn't) Get Done in Washington, D.C. (panel)**

*Pendleton West 212*

*Meredith L. Cowie, Kathryn J. Bradley, Anne Catherine Savage, Elizabeth A. Phelps, Rachael C. Ward, Mary K. Horstmann, Louisa T. Olds and Carolyn A. Schultz*

**The Politics of Food (individual presentations)**

*Pendleton East 239*

*Roshni Sampath and Jimena Leiva, Rice Is Life: Exploring the Politics of Rice Farming in the Philippines*

*Rosalie H. Fazio, 1.4 Billion Tons of Manure: The American Animal Factory Industry and Its Opponents*

**Cross-Cultural Interaction**

**American Kimchee: Korean-Americans at a Crossroads (panel)**

*Pendleton East 349*

*Jennifer Yum, Josephine Noah, Kiwon Sue and Amy Y. Cho*

**Portraits of Change: Student Perspectives on Postapartheid South Africa (panel)**

*Pendleton West 117*

*Salma B. Anam, Surayyah T. Hasan, DeAnna E. Evans and Ashley A. Richardson*

**Struggling with Stereotypes (individual presentations)**

*Pendleton East 351*

*Amanda G. Pepper, "Our Greatest Ally"*

*Isabel Arantes and Kate E. Miller, Suspicions and Awe: Misconceptions of Japan and America Promoted in Mass Media*

**Learning, Service and Youth**

**Growing Pains: Balancing Growth and Service in a Rapidly Expanding Community Organization (panel)**

*Pendleton West 220*

*Priya P. Chordia, Johanna Pino, Deborah Weaver and Raymond Harris*

**Curricular Innovations (individual presentations)**

*Pendleton East 139*

*Jenna A. Bressel and Yelena Biberman, Back in High School: Redefining the Urban Curriculum*

*Garen S. Wolff, City Meets Prep: An Emerging Mentoring Program That Promotes Girls' Leadership and Scholarship*

*Morgan P. Carberry, Acting Up in France: Theater as Linguistic Education*

**Science, Medicine and Public Health**

**Community-Based Health Initiatives (individual presentations)**

*Pendleton East 129*

*Ariel S. Gallantbernstein, From Bucket Baths to Birthing Babies: Studies with Traditional Birth Attendants in Rural Ghana, West Africa*

*Lizzi A. Clark, Real-Life ER Experiences*

*Dante Lenea Costa, Community Health for the Individual: Integrating Services for At-Risk Women and Children*

**Neuroscience Investigations (individual presentations)**

*Pendleton East 127*

*Prianka Chawla and Maia Sharuk, The Role of the Wallerian Degeneration Gene's Phenotype in Protection against Wallerian Degeneration in Experimental Autoimmune Encephalomyelitis*

*Victoria Lyo, Stress, Vacuolization and Death: The Effects of HBV Protein Accumulation in the ER*

*Wannasiri Lapcharoensap, Is Brain Edema Reduced in Aquaporin-4 Null Mice with Hepatic Encephalopathy?*

*Arielle J. Galambos, Creating Nanostructures with Diblock Copolymer Thin Films*

**3:20–3:35 P.M.**

**Break**

*Refreshments served in Pendleton Atrium*

**3:35–4:45 P.M.**

**Culture and the Arts**

**The Politics of Public Buildings (individual presentations)**

*Pendleton West 116*

*Katherine D. Alcauskas, Maggie E. O'Grady and Chava Kronenberg, Museum Work in a Political Town: Alternative Internships in the Wellesley in Washington Program*

*Meghan Reynard, Karibu Zanzibar: An Exhibit on the Swahili Coast Culture*

*Chi H. Song, Library Culture in Morocco: Yesterday, Today and Tomorrow*

**Japan: Common/Uncommon Observations (exhibit)**

*Pendleton Atrium*

*Giuliana M. Funkhouser*

**Politics, Economics and Activism**

**From Understanding to Activism (individual presentations)**

*Pendleton East 339*

*Jordan I. Namerow, The Southern-Jewish Experience: Fusions of Courage and Contradiction*

*Xian-Zhen Mah, Struggling for Women's Rights in Malaysia*

*Catherine J. Cachero, The Plight of Filipinas in Japan*

**Insider Perspectives (individual presentations)**

*Pendleton East 139*

*Jennifer T. Gordon, Working with Americans for Peace Now: Education and Activism in Support of Peace between Israelis and Palestinians*

Allison Kramer, Capitol Hill: An Intern's Perspective on the Inner Workings of a United States Senator's Office

Rae Adams, "More Than Just Snow!": Interning for the Director of the Largest Employer in the United States

**Cities in the Twenty-First Century (panel)**  
Pendleton West 117

Julie Ota, Emma Sydenham and Megan Kinsey

### Cross-Cultural Interaction

**Vienna: Gateway to Eastern Europe (panel)**  
Pendleton East 351

Sarah Barron, Sarah Teetor and Elizabeth Castagna

**L'Etranger: Experiencing Otherness in France (panel)**  
Collins Cinema

Laura E. Jacobsen, Crystal M. Fleming, Elizabeth R. Senecal, Maria D. Lapointe, Yen-Trang X. Vo, Juanita Nava and Chen Yang

**The Role of Study Abroad in a Wellesley Education (roundtable)**  
Pendleton East 151

Lawrence Baldwin, Sylvia Hiestand, Ruby Lam, Michèle Respaut, Lorraine Roses and Andrea Levitt '71

### Learning, Service and Youth

**Facing Adversity (individual presentations)**  
Pendleton West 220

Elizabeth C. Dayton, Friends with Expiration Dates: A Hospice Experience

Candice W. Chow, Staying on the Sunny Side: Finding Hope for Critically Ill Children and Their Families at Camp Sunshine

Samantha A. Fields, It's Not about the Chair: Spending a Summer at Camp Oakhurst

**Learning from Children (individual presentations)**  
Pendleton East 129

Lisa M. Damon, Learning from Ten-Year-Olds: Diversity through Political Uncorrectness

Caitlin Crawford, You Say Rubber, We Say Eraser: Educating and Being Educated by Scottish Schoolchildren

Madeleine E. deBlois, Cultivating Character: Inner-City Youth Grow Gardens While Growing Themselves at the Washington Youth Garden

### Science, Medicine and Public Health

**Seeking Cures (individual presentations)**  
Pendleton East 127

Jerri Chen, Do the Locomotion! The Causes of and Treatment for Movement Impairment in Hemiplegia

Parul N. Barry, An Encounter with a Rare Disease: Learning More about the NDP Gene, One Mutation at a Time

Clara W. Pau, A Novel Model to Examine Insulin Signaling in the Mouse Aorta

Levita Y. Robinson, Synthesis and Purification of a Protein from the Dengue Fever Virus

**Public Health Challenges (individual presentations)**  
Pendleton West 212

Brenda A. Kwambana and Wangeci E. Kagucia, The Fight against HIV/AIDS: Issues in Prevention Education and Treatment (Arusha, Boston, Harare)

Jessica R. Bell and Summer B. Zeh, Realizing Rape: Advocating, Counseling and Empowering at the Boston Area Rape Crisis Center

Maya S. Melczer, Disparities in Health Care Right Next Door: Prevention of Cervical Cancer by the Los Angeles County Department of Health Services, Office of Women's Health

**Corporate vs. Academic Technology Internships (panel)**  
Pendleton East 349

Zi Dong Fan, Laura E. Jung, June O. Snedecor, Katherine M. Lau and January Y. Choy

**The Soul of Siberia: Uncovering the Culture and Ecology of the World's Great Lake, Russia's Baikal (panel)**  
Pendleton East 239

Cheryl Hojnowski, Leslie Ordal, Patricia Kissinger, Jeenah Jung, Alexandra Evans and Ashley Lauren Ortiz

9:15–10:25 A.M.

**Culture and the Arts**

**A Woman in a Man's World  
(individual presentations)**

**Upside Down: Equine Medicine in Australia**  
*Jennifer P. Dietz '05, Biological Sciences and French*

Advisor: *Emily Buchholtz, Biological Sciences*

Seabiscuit, Northern Dancer, Sunday Silence, Exterminator, Tom Fool – what do all of these names have in common? These are the kings of the unofficial Thoroughbred Hall of Fame and the fathers of many of my patients at the Randwick Equine Centre (REC) located in Sydney, Australia. REC is the largest and most well-known equine hospital in the country, and it is where I tested and challenged my career plan to be an equine veterinarian. During my three-month internship, I learned about modern diagnostic tools such as ultrasound, scintigraphy, electric-shock therapy, radiology, and arthroscopy, as well as their applications in equine medicine. I also spent time at stud farms to assist foalings, observe neonatal foal care, and understand true “bush” medicine. This presentation will provide an overview of equine medicine, a comparison of the American and European educational systems, and a reflection on working in a male-dominated profession. (Internship supported by the Susan Rappaport Knafel '52 International Internship Fund.)

**Not as Glamorous as the Stars:  
Behind the Scenes of the National  
Basketball Association**

*Dara S. Antrum '04, Psychology*  
Advisor: *Karl Case, Economics*

In summer 2003, I worked with the 16-time championship-winning Boston Celtics. As a community and public relations intern, I learned just how essential the staff's time, energy, and effort was to the fundamental operation and effectiveness of the franchise. My internship offered perks such as personal interaction with National Basketball Association (NBA) legends and current players, as well as VIP admission to summer league basketball games and the NBA draft party. At the same time, it enabled me to see the underrepresentation of women in professional sport operations, the false images generated for professional athletes, and the seriousness behind the notion, “It's not what you know, but who you know.” There are several career opportunities available for women to explore; I will provide an in-depth view into the field of sport. (Internship supported by the Carolyn Shaw Bell Internships.)

**Forging Frontiers, Shattering Stereotypes:  
Women in the Japanese Entertainment  
Industry**

*Zehra Q. Fazal '05, Japanese and  
Multimedia Arts*  
Advisor: *Amy Capman, Center for Work and Service*

I spent the past summer interning at Tokyo Broadcasting System, working on a variety of programming from daytime dramas to mystery night theaters. The majority of the Japanese television audience is comprised of women, rendering it one of the few areas of this patriarchal society in which women are in control. In order to meet the viewer's demands, a female perspective is needed, and women behind the scenes are growing steadily in numbers. In this presentation, I will share the stories of the female producers – their experiences in the workplace and how they help to define the changing role of women in Japanese society. Hearing these women speak about their lives and experiencing the Japanese workplace as an American woman, I realized the significance cross-cultural communication has in breaking down stereotypes and misconceptions. (Internship supported by the Elisabeth Luce Moore '24 Wellesley-Yenching Program.)

**Hollywood Filmmaking: Breaking Down  
the Glamour**

*Mildred Kristine P. Vitug '04, Cinema and  
Media Studies and Spanish*  
Advisor: *Amy Capman, Center for Work and Service*

Cinema classes at Wellesley taught me how to pay attention to the image, put it in the context of its time, identify the signature shots of a certain director – all the essentials of how to read a film. What I quickly learned as an intern at a small production company in L.A. this summer was that while this knowledge about major cinematic auteurs was important for my artistic development, I knew nothing about the business of film. On the surface, I learned what first drafts of scripts were like and experienced an extreme variation in work pace. On a more profound level, I realized that if I wanted to make a career in Hollywood, the greatest skill I had to learn was knowing the industry's key players – remembering people's names, the movies in which they had been involved, and how to access the critical networks that get work done. I also experienced a serious lack of women's leadership in an industry that wields extreme power in shaping culture. This fueled my passion for entering the film business and encouraging more women to do the same – to keep their artistic vision in a commercial industry where one of the most important rules of the game is to sustain contacts with people who can help them realize the films they want to make. (Internship supported by the Knafel Infrastructure Fund.)

### **Where There Is Time and Peace Enough to Hear Your Heart Beat: A Photographic Essay (exhibit)**

*Lindsay A. Lewis '04, Cognitive and Linguistic Sciences and Studio Art*  
Advisor: *Judith Black, Art*

I spent the past summer taking Color Photography at the Minneapolis College of Art and Design. I chose to document a small Midwestern town, Owatonna, Minnesota. I was drawn to the splendor, simplicity, and serenity of this small town and its capability to remain untouched. The fields of corn and towering silos are steady and predictable, yet radiate life. Owatonna is a place where time stands still, and life is unhurried and refreshing. In my images I wanted to capture the essence of this and the quirky little eccentricities that can only be found in small towns. It's not often you see a closed McDonald's or a farm house next to an outlet mall, but when you do, it's worth stopping to take a look. I have created an essay of images that explore the power of simplicity and the dynamics of color. I invite you to experience them.

### **Endpoints: Moving from Simple Reflection to Finished Work (roundtable)**

*Alexandra Johnson, Writing Program, Sarah Ligon '03, Studio Art and English and Shirley Hsu '03, International Relations*  
Advisors: *Winifred Wood, Writing Program and Judith Black, Art*

This roundtable is about craft: about translating the important elements of one's off-campus experience into a substantive, durable, beautiful, and meaningful product. How does one identify these central elements; reflect on them; and arrange, shape and present them in a way that both says something significant and excites memory?

Participants will discuss and examine past Tanner artifacts that have been particularly striking, and we'll talk about what made them work, about the hard work of making them, and about how to plan ahead to make a record of your own off-campus experience. Among the objects we'll discuss are photo exhibits, written essays and memoirs, standard presentations, and pieces of performance art.

### **Politics, Economics and Activism**

#### **Behind Bulletproof Glass: Observations on the International Criminal Tribunal for the former Yugoslavia (panel)**

*Cecilia A. Fong '04, Peace and Justice Studies, Elizabeth A. Mandeville '04, International Relations and Anna J. Kurien '04, French and English*  
Advisor: *Thomas Cushman, Sociology*

Three judges, one defendant, two teams of lawyers... this may look like a normal courtroom, but they are not your average legal participants; they are the key players in the proceedings of the International Criminal Tribunal for the former Yugoslavia (ICTY). Here Slobodan Milosevic sits on trial in an institution he does not recognize as having any jurisdiction over him. He is charged with four crimes that fall within the Tribunal's authority: grave breaches of the 1949 Geneva Conventions; violations of the laws or customs of war; genocide; and, crimes against humanity. For six weeks, we observed the international court created as a response to the threat to international peace and security. From war criminals to mass execution survivors, each participant con-

tributes to the ongoing process of seeking international justice for gross violations of human rights. This presentation will be a panel which will focus on observations on the proceedings of the ICTY by three students who spent the summer of 2003 observing the proceedings. (Internships supported by the Susan Rappaport Knafel '52 International Internship Fund.)

#### **Off Capitol Hill: How Non-Profits and the Media Shape Federal Law and Public Dialogue (panel)**

*Jessica S. Berger '04, Political Science, Giffen M. Maupin '04, English and Latin and Elissa Johnk '04, Religion and Political Science*  
Advisor: *Alan Schechter, Political Science*

While lofty images of the Capitol and Oval Office are most commonly associated with the federal legislative process, members of non-profit organizations as well as opinion journalists also play a vital role in creating laws and shaping public opinion on a wide variety of issues. Working on behalf of such organizations inspires several questions concerning the fine line between the politicized and the political. How does one, for example, differentiate between fact and opinion when participating in political dialogue? What challenges do nonpartisan but politically charged organizations face when shaping language for grant proposals and bills? Three participants in last summer's Wellesley in Washington program will discuss how they struggled to answer these questions and others while completing their Washington internships at The National Women's Law Center, The National Coalition Against Domestic Violence, and *The American Prospect* magazine. (Internships supported by Washington Summer Internship Program.)

### **Women's Leadership in Global Business (individual presentations)**

#### **A Blank Page: Creating an International Internship Experience**

*Jennifer L. Schwalbenberg '04, Economics and Chinese Studies*  
Advisor: *Akila Weerapana, Economics*

Many students enter into internships expecting to be told what work they should do, but what happens when that guidance never comes? From July 2002 until August 2003, I had the opportunity to intern with an American clearing firm in their London and Chicago offices. What I expected to be a rigid experience of mundane tasks and closed doors developed instead into a year of personal initiative and one-on-one experiences with members of the senior management team. Soon after arriving, I realized that there was little planning or expectation about what the "intern" would do. This lack of structure forced, or allowed, me to take the lead in developing a place for myself within the company, strengthen male-female working relationship skills, and understand international corporate cultures within the same company. In this presentation, I will discuss my unique experiences and projects over those 13 months.

#### **Running and Riding Markets**

*Jenna Bond-Louden '04, International Relations and Monica Chambers '04, French*  
Advisor: *Kelly Brown, Harambee House*

Summer 2003 presented two students with the opportunity to chart their careers in two different parts of the world, working on the vanguard of cultural change. One student extended her study abroad and interned as a marketing strategist in the south of France. Working at La Manufacture and Le Relais Fleuri, she assisted foreign investors in redeveloping a small rural community. The

other worked at *Savoy*, the emerging magazine for the power generation of African-Americans, developing stories, organizing advertising solicitation, and assisting in marketing a new magazine to an evolving market. In a small, African-American run business, she connected new products to an emerging affluent community. The students will compare their experiences working as a foreigner among foreigners as well as a foreigner among the French, and working as a minority among minorities demanding the attention of a majority-centric industry. This presentation will relate their experiences in defining a new cultural landscape for underexposed communities and discuss the dynamics of small companies commanding cultural revision. (Internships supported by the Carolyn Shaw Bell Internship and the French House Fellows Program.)

### Cross-Cultural Interaction

#### Mezcla: At Wellesley, at Work and in the World (panel)

*Sarah M. Rettger '04, Latin American Studies, Mary McCoy '04, International Relations and Latin American Studies and Nicole Stinson '04, International Relations*  
Advisor: *Mared Alicea-Westort, Multicultural Programs and Services*

For the past 31 years, Mezcla, the Wellesley student organization that supports Latinas on campus and the advancement of Latino issues at Wellesley, has inspired and encouraged students to look beyond conventional opportunities to serve their communities better. Although the many women who make up this organization come from diverse ethnic, cultural, socioeconomic, and racial backgrounds, the common goal of upward mobility for the Latino community

drives them forward and keeps them united. This past summer, that common interest took Mezcla members to a variety of internships from Spain to Washington, D.C., from business to historic preservation. The students will discuss how these internship experiences have contributed to their success as leaders within Mezcla, Wellesley and beyond.

#### What *Lonely Planet* Didn't Tell Us: Beyond the Academic Bubble (panel)

*Abby Barker '04, Spanish, Sari Alper '04, Anthropology and Spanish, Melissa Banzon '04, Psychology and Spanish, Carolina Gomes-Casseres '04, Economics and Spanish, Meagan Lizarazo '04, Biological Sciences and Emily Pierson '04, Biological Sciences*  
Advisor: *Carlos Vega, Spanish*

As part of our study abroad experience in Córdoba, Spain, we participated in a volunteer program through the Programa de Estudios Hispánicos en Córdoba (PRESHCO). Through this work, we developed close relationships with community members that would have not been possible otherwise. We volunteered at nongovernmental organizations (NGOs) providing alternative therapy for disabled children; AIDS prevention programs; gay, lesbian and bisexual support groups; women's rights organizations; and job skill development for immigrants and refugees. From triggering new interests, to raising awareness of cultural differences in NGO settings, our work in these varied organizations enhanced our confidence in the value of the international exchange of ideas, values and conflicts.

### Learning, Service and Youth

#### Riqueza: Giving by Receiving and Receiving by Giving (panel)

*Katharine L. Tighe '04, Political Science, Kathryn Trites '04, Peace and Justice Studies, Sultana Noormuhammad '04, International Relations and Spanish, Narges Bajoghli '04, International Relations, Monica Pal '05, International Relations and French, Maria Banica '06, Undeclared and Ursula Jessee '05, International Relations and Economics*  
Advisor: *Veronica Darer, Spanish*

Seven Global Learning volunteers will present a model of giving by receiving and receiving by giving that they practiced while participating in service programs in Liberia, Costa Rica; San Jorge, Nicaragua; and Santa Ana Maya, Mexico. By using this reciprocal service model, the presenters have returned from their experiences greatly influenced by the communities in which they worked. Each presenter will discuss how her experience with this new service model has affected her work in the present and her plans for the future. (Internships supported by the Service Opportunity Stipends.)

### Science, Medicine and Public Health

#### Public Health in the New Millennium: Not Your Grandma's Medicine (panel)

*Leslie M. Wilson '04, International Relations, Theresa E. Sommers '04, International Relations and Abigail L. Carlson '05, International Relations*  
Advisor: *Craig Murphy, Political Science*

What do aging baby boomers, SARS, and U.S. bioterrorism policy have in common? While these subjects seem loosely associated at best, they are all examples of the increasingly interconnected world of public health. Public health issues are not only affecting the work of doctors, but also creat-

ing a new set of implications for political scientists, economists, and even the average individual. In our work at the World Health Organization, the Mayo Clinic, and Science Applications International Concepts, we have seen how these issues are interacting at the institutional, domestic, and global levels. In our presentation, we will discuss the economic impact of SARS, the difficulties of practicing under Medicare, and the challenges of biodefense. Additionally, by applying our training in international relations, we will connect these issues and challenge our preconceived notions, bringing into focus the new face of public health.

#### The Teaching and Practice of Science (individual presentations)

##### Teaching Opportunities in Physical Science: A New Summer Program at the MIT Center for Ultracold Atoms

*Jennifer M. Huff '04, Astrophysics and Kali E. Wilson '04, Physics*  
Advisor: *Theodore Ducas, Physics*

Teaching Opportunities in Physical Science (TOPS) is a new summer program based at the Center for Ultracold Atoms (CUA) at MIT and Harvard. TOPS has the goal of acquainting physics majors with teaching at the middle and high school levels and motivating them to consider the teaching profession. Guided by teachers from the Winsor School and Thayer Academy, we developed lesson plans and then taught concepts to middle and high school students using a variety of hands-on activities. Our team investigated heat and temperature as topics, which we taught to students at the Boston Museum of Science and Project RISE at Thayer Academy. In addition to our teaching, we participated in seminars ranging from research at the CUA, to pedagogy, to

opportunities for obtaining teaching positions. TOPS successfully introduced us to the real world of pre-college teaching in physical science. (Internship supported by the Susan Rappaport Knafel '52 International Internship Fund.)

### **Conflicted Compassion: The Controversy of Rehabilitating Invasive Species**

*Lindsey M. Habermann '04, Environmental Studies*

Advisor: *Marcia Thomas, Biological Sciences*

An infant bird lies in the palm of your hand and you must decide its fate. The choices are rearing and treatment for eventual release, euthanasia, or returning it to the child who found it. Each choice carries diverse consequences, and the decision becomes more difficult as you watch it struggle for life. The hatchling is an English sparrow, an invasive species on Cape Cod. Since invasive species pose serious risks to endangered or threatened plants, animals, and ecosystems, releasing it would mean contributing to that threat. Yet, this child brought the bird to you to save. You are torn between your responsibilities to the individual animal, the child at the desk, and the ecosystem as a whole. There are no simple answers. During my internship at WILD CARE on Cape Cod, I encountered the unexpected issues of rehabilitating and admitting non-native species and the difficulty associated with making such choices.

### **Learning Online and Overseas: Research on the Psychology of Hypertext Navigation in the South of France**

*Tara A. Chiatovich '03, Psychology and French*  
Advisor: *Tracy Gleason, Psychology*

The value of the Internet as an educational tool has led to computer-based tutorials outside of the classroom as well as university courses conducted entirely online.

Despite the increase in e-learning situations, psychologists know relatively little about how the brain processes information in this new environment. Researchers at the Laboratoire de Psychologie Experimentale et Quantitative, a psychology laboratory at the University of Nice, are examining the factors that enhance the learner's ability to locate and recall information in hypertexts. As an intern, I investigated the role that prior knowledge of a topic plays in hypertext navigation and developed a pre-test to assess subjects' prior knowledge of basic psychology. The research skills I brought back to Wellesley proved invaluable during my senior year, and my new understanding and appreciation of French culture has forced me to reevaluate my place in the world. (Internship supported by the Susan Rappaport Knafel '52 International Internship Stipend.)

### **Adventures in Hands-on Science (panel / individual presentation)**

#### **Tropical Ecology in Costa Rica and Belize**

*Andrea Hodgins-Davis '04, Biological Sciences, Catherine K. Brinkley '04, Biological Sciences, KimMi Whitehead '04, Biological Chemistry and Ashley M. Johnson '04, Biological Sciences*

Advisors: *Martina Königer, Biological Sciences and Simone Helluy, Biological Sciences*

In fall 2002, twelve Wellesley students began a period of intensive study of the primary literature of tropical ecology of both reef and rainforest systems. Their course work culminated in an opportunity to design and carry out their own experiments among the coral reefs of Belize and in the rainforest of Costa Rica. Four returning students reflect on the questions that arose in going from the classroom to the field. How does one record camera-shy spiny lobsters? Is it possible to watch French grunts and

mind a watch at the same time? How do you assay for anthocyanin production in the middle of a rainforest? How do you steal leaves from leaf cutter ants without being cut up yourself? Panelists will discuss how they overcame these unexpected obstacles as well as the unanticipated rewards of hands-on scientific learning.

### **Do Opposites Attract? Conformational Preferences of 2-Fluorosuccinic Acid**

*Erzsi M. Szilagyi '04, Chemistry*

Advisors: *Julia Miwa, Chemistry and John D. Roberts, California Institute of Technology, Pasadena, CA*

Researchers are currently unable to predict the structure of proteins based on the order of their amino acids. Acquiring such capabilities requires an increased understanding of factors that affect structural preferences. This summer I studied 2-fluorosuccinic acid in order to examine the conformational effects of a highly electronegative fluorine atom. The data suggest that trends observed may be due to either the "gauche effect" or intramolecular hydrogen-bonding. In the future, the combination of this research will contribute to a better understanding of the behaviors of proteins. (Research supported by the Summer Undergraduate Research Fellowship Program at the California Institute of Technology.)

## Culture and the Arts

### How Work Really Gets Done: From Theory to Practice (individual presentations)

#### Experiencing Architecture from Within a California Firm

Anne L. Harrington '04, *Architecture*  
Advisor: Alice Friedman, *Art*

While interning for a small architecture firm in southern California this past summer, I focused on the first phase of the restoration and conversion of an 1895 historic Queen Anne Victorian house into a not-for-profit counseling center. My presentation will center on the city approval process, including: surveying the site and existing structure; working closely with city personnel and the client; meeting the Americans with Disabilities Act requirements; researching the history of the structure and relevant historic styles; and creating a site utilization map, floor plans, exterior elevations, and a conceptual landscape plan. My internship added the element of practical experience to the theoretical knowledge of Wellesley and MIT architecture courses. (Internship supported by the Parents' Internship Program.)

#### So, You Want to Be an Archaeologist?

Marlena E.S. Whiting '05, *Medieval and Renaissance Studies and Greek, Christina Walsh DS'05, Classical and Near Eastern Archeology and Jennifer R. Cone '04, Anthropology and French*  
Advisor: Miranda Marvin, *Art and Classical Studies*

You have your fedora and your bullwhip. Ready to go on an excavation? Not quite. There are a lot of romanticized notions about archaeology, most of which are far from the reality of the discipline. So what's it really like out there in the field? Muddy. Frustrating. Dusty. Exhausting. And loads of fun. Want to be an archaeologist? Forget Indiana Jones – join us as we divulge the realities of archaeological work. We'll tell you all about the Ancient Cypriot Kingdom of Idalion, the Monastery of High Priest Aaron in Jordan, and the Neolithic Cucuteni culture of Eastern Europe. We won't forget to mention the dirt: the less-than-luxurious living conditions, the culture shocks, the trials (and joys) of excavation work, and of course, the really big bugs.

#### Public Radio: Not Just for Former Hippies

Annie E. Orr '04, *American Studies*  
Advisor: William Cain, *English*

When you're in the car scanning through the radio stations, do you skip over the voices on public radio on your way to a song you like? Do you know how many small, smart, independent shows are out there waiting for you? I discovered the answer to this question this past summer in my

internship at WAMC Northeast Public Radio in Albany, New York. Diverse, creative programs are broadcast all over the country by different stations, making them an excellent, if also underused, means of communication and education. Working on a nationally distributed show about women's issues, I learned how these programs come together, from the initial idea for a theme to the final digital editing process. I will share excerpts from the result of my summer in public radio – a half-hour program that showcases essays and commentaries from a range of women about their educational experiences. (Internship supported by the Parents' Internship Program.)

#### Art and Auschwitz: The Ethics of Representing Atrocity (panel)

Sarah Jane Wilson '05, *Art History, Beth Merfish '05, Jewish Studies and Art History, Ingrid Soderland '05, Art History, Amber L. Lachapelle '05, Women's Studies and History, Kellie Abbott '04, Art History and Elizabeth Condrick '03, Anthropology and Art History*  
Advisor: David Mickenberg, *Davis Museum and Cultural Center*

In January 2003, fifteen students traveled to Poland in conjunction with the exhibition, "The Last Expression: Art and Auschwitz," then on view at the Davis Museum and Cultural Center. The purpose of the trip was to explore the aesthetic, social, political and historical issues raised by the exhibition within the context in which the works were created. While visiting four of the original production sites of the works on view in the exhibition, the group was also able to inter-

view surviving artists and to meet Polish historians. The class explored the role that art can play in periods of cultural constraint and confronted numerous issues relating to the politics and appropriateness of representing atrocity. This panel will explore issues and discuss personal responses to both the site of Auschwitz and the art produced there between 1941 and 1945.

## Politics, Economics and Activism

### Women with a Cause (individual presentations)

#### The Coordinating Agency for Spanish Americans: Unleashing the Potential of the Burgeoning Latino Population in Suburban New York

Marilyn M. Yasus DS'05, *Political Science*  
Advisor: Jill Syverson-Stork, *Spanish*

Imagine the leap of faith when Latino immigrants come to New York and dare to reach for the American dream. Tough realities include the language barrier, possible deportation, desperate living conditions, hate crimes, manual labor jobs, street crime and gang warfare. Survival response? Stay invisible. The drawback? Inability to demand human rights or to report crime. The Coordinating Agency for Spanish Americans (CASA) is a welcoming haven for immigrants facing poignant daily struggles. As an intern, I joined the invigorating synergy of seven remarkable women who are the voice, heart and soul of CASA, tackling Latino issues through outreach and with increasing clout. Despite some painful setbacks, exquisite signs of hope are seen –

in the pride of successful ESL students, the huge turnout of Latino clergy to access money for worthy programs, and the hard-won respect of other county departments now implementing measures to improve cultural competency and compliance. By peeling back the thick layers of prejudice that deepen the divide, CASA is leading Nassau County toward progressive multiculturalism where Latinos can finally flourish and bring their gifts to America. (Internship supported by the Class of 1969 Community Service Internship Fund.)

### **The Legacy of the Greenham Common Peace Women**

*Karen L. Andrews DS'05, Peace and Justice Studies*  
Advisor: *Craig Murphy, Political Science*

In 1981, forty-six people headed from City Hall in Cardiff, Wales, to the Royal Air Force Greenham Common in England. A U.S. Air Force Base, Greenham Common was slated to receive ground launch cruise missiles to be stored at the base. This group of forty-six, mostly women, were angry – angry that they had no voice in the matter, and angry that their country had agreed to let the United States store nuclear weapons there. For over twenty years, the Greenham Common Peace Women lived at Greenham Common, all the while insisting that the missiles be taken out of the United Kingdom. With their peace movement going into the history books, their legacy is still alive today. My project comes out of my own connection with this movement. In July, I attended a statue unveiling of the Greenham Common Peace Women in Cardiff, although my story actually begins in 1990, when my husband and I were stationed at Greenham Common. Through my presentation, I will share my experience with the Peace Women from several per-

spectives – as a military wife, an ally, and now, as a peace and justice studies major. (Research supported by the Office of the Dean of the College.)

### **Brukman: The Factory Is Ours! The Fight Is Everyone's!**

*Regina M. Garza '04, Sociology*  
Advisor: *Alejandra Osorio, History*

“An injury to one is an injury to all!” is their war cry. In the midst of profound economic and political crisis, they are fighting to take control of the very system that has failed them. They are the 56 seamstresses of Brukman, a clothes-manufacturing factory in downtown Buenos Aires. After the owners fled in December 2001, leaving the factory in debt, these women took over and continued production. From the mothers of the Plaza Mayo to students and neighbors, thousands have rallied to defend these workers from police eviction. The overwhelming community support for the Brukman women has transformed an economic survival tactic into a powerful political symbol. During my study abroad in Argentina, I conducted an independent research project to reveal why 56 women could bolster so much popular support throughout the country.

### **The State in the Twenty-First Century (individual presentations)**

#### **When Big Doesn't Mean Good: German State Parliament Facing the Challenge of the Stronger European Union**

*Marina A. Turlakova '06, Political Science and Economics*  
Advisor: *Edward Stettner, Political Science*

This summer, while interning at the German State Parliament, I had a chance to explore the legislative process, to experience the tensions of party politics, and to learn about budgetary issues of the State.

Moreover, I observed the reaction of the parliament to the completion of the draft of the European Union (EU) constitution. While officially all parliamentary parties shared my enthusiasm towards the growing power and size of the EU, I was surprised to hear off-the-record discussions about EU intrusion into the business of the states. With the growth of the EU, the parliament faced infringement on its power and the inability of its deputies to influence EU policies. In this presentation, I will share my thoughts on the work of the German State Parliament with a focus on the problems it confronts as a regional legislative body inside the EU.

### **Living on the Line: The Landscape of the U.S.-Mexican Border**

*Lindsey C. Boylan '06, International Relations and Political Science*  
Advisor: *Alejandra Osorio, History*

Where do the boundaries of one country end and another begin? Do official borders really separate the people on either side of them? Geographically, the U.S.-Mexican border at El Paso-Juarez exists on the fringe of political and economic power within the context of their respective state and national governments. In my summer research based at New Mexico State University, I explored many facets of life in the border region through interviews with Border Patrol agents, Embassy and Consular officials, Maquila employees, migrant workers, local politicians, immigration officials and a whole host of characters who contribute to the landscape of the region. The border that I experienced is one where national policy is vastly different from local reality. People, culture and money flow across in spite of policies intended to repress such exchanges. (Supported by the Barnette Miller Fund for International Study.)

### **On the Other Side: Working for the Afghan Government**

*Paulina Ponce de Leon Barido '05, Physics*  
Advisor: *Sylvia Hiestand, International Studies and Services*

The events of 9-11 accomplished something that for years many had been trying to obtain: the world's undivided attention to war-torn Afghanistan. Fearful of the stability and security status of the region, with strong beliefs against American intervention in both Afghanistan and Iraq, and with only a basic knowledge of the country, I ventured into Afghanistan to experience a very different country from the one portrayed by the media. This summer, I was part of a group of students that traveled to Kabul to work for the Afghan government. Working for the Chief of Staff of H.E. President Hamid Karzai, my beliefs about international politics and the reconstruction process were challenged. I will present a different face of Afghanistan, an insight into where the country stands and where it is heading, and possible ways for the Wellesley community to become involved.

### **Grassroots Projects That Work (individual presentations)**

#### **Basic Ideas, Radical Changes: Witnessing Grassroots Education Reform in Yunnan's Minority Areas**

*Kerry B. Murphy '04, Chinese Studies*  
Advisor: *Pat Giersch, History*

Nestled in southwest China, Yunnan Province boasts 26 of China's 57 nationally recognized minority groups. Frequently living in substandard economic conditions, minorities struggle to sustain adequate local primary education. Dropout rates are staggering, and children are often left without the basic skills needed to enter the work-

force. During my four-month stay in Yunnan, I was able to work with the British nongovernmental organization, Save the Children, as it launched a cooperative government project to regenerate minority schools. Dubbed the Yunnan Minority Basic Education Project (YMBEP), this initiative trains teachers in radical education methodology for the implementation of child-friendly classrooms. Through this experience, I was able to examine the complexities of adopting grassroots techniques in a region unfamiliar with this approach. In looking at how grassroots methodology challenges China's political and social structure, I will discuss how these techniques surprisingly proved to be more radical than the schools they created.

### **Networking and the Net Result: Bridging the Theories and Reality of Asset-Based Community Development**

*Eleanor M. Blume '06, Sociology and Political Science*

Advisor: *Victor Kazanjian, Office of Religious and Spiritual Life*

I grew up watching one of the oldest, poorest, and culturally diverse neighborhoods in Flagstaff, Arizona, struggle to organize. I returned home this summer full of ambition and theories, intent on mobilizing the neighborhood in a focused manner and with a refined mission. Instead, I found that all the models and plans in academia mean little if the community is not present and ready to change. Working out of the United Way of Northern Arizona, I attempted to apply theories of socioeconomic stratification, youth and community asset development and community mobilization to a series of small projects, including promoting youth-adult partnerships and community engagement. These interactions demonstrated the centrality of networking

and trust in community mobilization and the importance of small victories in the interplay between broad future goals and immediate tangible needs. This presentation explores the difference between expectations, models and reality in asset-based community development. (Internship supported by the Service Opportunity Stipend.)

### **Different Facets of Development in Bangladesh**

*Salwa N. Muhammad '06, Psychology, Zafrin Rahman '06, Economics and Samantha S.*

*Huq '06, Economics*

Advisors: *Daniel Johnson, Economics and Kenneth Hawes, Education*

Bangladesh, an underdeveloped nation, is plagued by poverty and illiteracy. Nongovernmental organizations (NGOs) are struggling to overcome these issues through micro-credit, social awareness and education programs. The three panelists will address different faces of development in these fields. At Grameen Bank, one panelist encountered problems with micro-credit that wait to be addressed. Does micro-credit really empower women and does it actually reach those at the bottom of the financial ladder? The Bangladesh Rural Advancement Committee (BRAC), one of the leading NGOs, began a revolutionary program, CFPR, for the rural, 'ultra poor' women. Another panelist's work there involved the selection process and improvement of program policies. Democracywatch, another not-for-profit organization, works to promote democracy by educating for awareness. It aims to develop children's education that currently doesn't exist in Bangladesh. The third panelist designed a children's program for two- to four-year-olds that will address problems with the educational system at the root level. (Internships supported by the Service Opportunity Stipend.)

### **The Role of Activism in a Liberal Arts Education (roundtable)**

*Candice Manatsa '07, Undeclared, Farrowe Pan '04, Peace and Justice Studies and Joanne Murray '81, Center for Work and Service*  
Advisors: *Lidwien Kapteijns, History and Margaret Ward, German*

Is "activism" a bad word for you or a positive concept? How would you define it and what is its role, if any, in a liberal arts education? Many Wellesley students, professors and staff believe that we need to be both passionate and principled in our daily lives, and that we should act on what we believe. At what point does acting on one's principles become activism and what place do passionately held values have in our classrooms, our research, our extracurricular activities and in a liberal arts education in general? Bring your questions and opinions to this roundtable discussion.

### **Cross-Cultural Interaction**

#### **Confronting the Unexpected (individual presentations)**

#### **Layers of Learning: Moving Beyond the Internship and Benefiting from the Experience**

*Martha A. Ortiz '04, Chinese*

Advisor: *Amy Capman, Center for Work and Service*

This wasn't supposed to happen – I would go to China for a summer internship, have a wonderful time in a country that I love, and come back to Wellesley to continue my senior year as planned. I did not expect to be denied the opportunity to go to Beijing by a virus named SARS, and I certainly did not expect that this denial would lead to a change in my life goals and outlook on the world. From a Sino-centric career vision, to a new interest in Japan-China relations, the

internship opportunity at a Tokyo-based not-for-profit organization turned into a personal lesson far more beneficial than I ever imagined. In going to Japan, I was expecting a consolation prize, but through the sense of loss came a new synthesis of ideas and vision for my future, both within Wellesley and beyond. (Internship supported by the the Elisabeth Luce Moore '24 Wellesley-Yenching Program.)

#### **Far and Away: Asian-Americans in Spain** *Annabelle E. Oh '04, International Relations* Advisor: *Carlos Vega, Spanish*

How does one approach understanding multiculturalism without offending? It is not possible, as I learned during my semester abroad in Valencia, Spain. My surprisingly great experiences forced me to think more carefully about my own identity as an Asian-American. I discovered that Spaniards have many misconceptions about Asian-Americans with one foot in each world. Understanding multiculturalism in Spain is not approached with the same sensitivity Americans are encouraged to use. I learned to appreciate political correctness more while I was there. I have always made a distinction between my American nationality and Korean ethnicity. Yet, I also learned that I can embrace my Korean heritage in balance with my national pride, something I had not previously done. Leaving one's comfort zone is a key part of studying abroad and the Wellesley experience. I would encourage minority students to study abroad.

## In the Middle of Nowhere

*Amelia Levin '05, Economics and Religion*  
Advisor: *Stephen Marini, Religion*

Midway through my Wellesley career, I spent a summer in Australia working on a cattle station in the Outback, traveling, and participating in a cattle show team where we exhibited cattle under contract for various stations. The station offered me a chance to live in a world of isolation, sexism, male chauvinism, and hard work. This opportunity allowed me to interact with a segment of society that did not care about a Wellesley education. While I worked for up to 18 hours per day with the show team, I was able to learn about parallel ways of life, work, and success on the other side of the world. My experience in Australia expanded my knowledge of cattle and horses, but also afforded me a well-needed chance to analyze my education and my life.

## Fellowship Travels (panel)

*Sung Bang '00, Fulbright English Teaching Assistantship to Korea, Tabitha Decker '01, Thomas J. Watson Fellowship, Jane Mars '02, Rockefeller Brothers Fund Fellowship, Jenn Piscopo '02, Gates Cambridge Scholarship and Wallis Wilkinson '01, Wellesley-Yenching Graduate Fellowship at Ginling College*  
Advisor: *Ellie Perkins '65, Center for Work and Service*

A fellowship brings more than a period of intense learning and adventure. Its effects will reach into the future and transform one's plans in subtle and significant ways. How have their fellowship experiences influenced the personal and professional lives of these Wellesley alumnae?

## Learning, Service and Youth

### Diversity and Identity in the Classroom (individual presentations)

#### Finding a Place to Be Both: The Empowerment of Mixed Race Children at the AmerAsian School in Okinawa

*Aimee S. Mizuno '04, Japanese*  
Advisors: *Elena Creef, Women's Studies and James Kodera, Religion*

"They don't call me *gaijin* (Japanese for 'foreigner'), here they call me by my name," a third-grader told his mother after starting his first day at the AmerAsian School in Okinawa (AASO). His voice echoes those of the many mixed race Japanese-American children who have found community and safety at this school, where they are not bullied for being different. During the two months that I spent at AASO, I learned how the school has tirelessly pushed for the recognition of the educational rights of Amerasian children who deserve an identity affirmed by bilingual and bicultural education. I saw firsthand how this education builds self-esteem and leads to future educational and economic opportunities. I also discovered I could play a role in fostering a sense of pride in being "both" Japanese and American and to share the story of AASO with people in both Japan and the United States. (Internship supported by the Beth K. Smith Public Service Internship Fund.)

#### The Psychology of Acculturation: Learning from Students and Teachers in a Multicultural Middle School

*Marissa L. Mounds '04, Latin American Studies and Courtney R. Gomez '05, Psychology and Economics*  
Advisor: *Nancy Genero, Psychology*

How do Hispanic and Brazilian girls reconcile the values of their traditional ethnic cultures with mainstream American ways?

How does acculturation affect their psychological development and ability to thrive in school? To explore these questions, we studied theories of acculturation, social identity development, resilience and coping as part of our seminar in psychology. In addition, fieldwork at a multicultural middle school in Framingham, Massachusetts, allowed us to interview bilingual teachers and their bicultural students. The purpose of this presentation is twofold. We will first describe some of the challenges posed by acculturation for adolescents and their families. Second, we will highlight how our field experience expanded our understanding of acculturation and contributed to our ability to generate specific research questions about acculturation among female adolescents.

### For the Children (individual presentations)

#### Kattia and Osvaldo's Law: The Campaign against Violence and Sexual Exploitation of Children in Costa Rica

*Amber A. Mahone '03, International Relations*  
Advisor: *Lois Wasserspring, Political Science*

Despite the fact that Costa Rica is often called the "Switzerland of Latin America", the country has an often ignored darker side of violence against children and of child sexual exploitation. This summer, working with Casa Alianza, a leading children's human rights nongovernmental organization in Costa Rica, I helped to gather over one million signatures in support of Kattia and Osvaldo's Law, a Casa Alianza initiative similar to Megan's Law in the United States. Amidst the fervor of the campaign, I struggled with my own reservations about the civil rights implications of the proposed law. By helping our attorney research the law, I answered some of my ethical and social policy questions. I also tried to understand

what the unprecedented success of the campaign demonstrated about Costa Rican society. As I gathered signatures on the streets, sobering conversations with mothers, grandmothers, and brothers helped me begin to understand. (Internship supported by the Mollie Green Lumpkin '25 Fund for Experiential Learning in Latin America.)

### Human Rights: Injustice in Pakistan

*Fazeelat Aslam '07, Psychology and Studio Art*  
Advisor: *Afshan Bokhari, Art*

I sat under the shade of the large tree; he rested his small head in my lap, breathless after an excited game of cricket. My hands massaged arms that felt peculiarly unnatural. Unnatural, because this young boy, at the mere age of nine, had gone through such intense physical abuse that his arms and legs could no longer be distinguished from the branches of the tree beneath which we sat. Sajjid could be my next-door neighbor, my cousin, my brother. He is one of the children with whom I work in the SOS Orphanage in Lahore, Pakistan. I began by teaching the children English and later conducted individual research on their personal experiences, while attempting to obtain psychological support and legal justice for them. I am eager to present my research findings to expose the lack of human rights in Pakistan.

### Strengths and Weaknesses of International Organizations: Experiences Working at the United Nations Children's Fund (UNICEF)

*Jennie S. Berman '05, International Relations*  
Advisor: *Sally Merry, Anthropology*

In a world faced with humanitarian issues such as sexual exploitation of women and children, internally displaced persons, child soldiers, and land mines, the role of international humanitarian organizations, like the

United Nations Children's Fund (UNICEF), is becoming increasingly important. Based on my experiences interning in the Office of Emergency Programmes at UNICEF, I will explore the way in which UNICEF works with national governments, nongovernmental organizations, and the private sector to shape policy agendas and the distribution of resources in support of children's rights. I will also look at UNICEF's role in relation to the United Nations' system, specifically its interaction with other UN bodies, and how effective UNICEF has been in achieving its goals. (Internship supported by the Beth K. Smith Public Service Internship Fund.)

### **South Africa's AIDS Orphans: A Multifaceted Battlefield**

*Motlalepula Mmesi DS'06, Undeclared*  
Advisor: *Filomina Steady, Africana Studies*

By 2010, South Africa must contend with an estimated 1.8 million AIDS orphans. If a concerted strategy of response is not adopted soon, it will be difficult to know how this dynamic democracy will develop leaders and citizens capable of shaping its future. The majority of the orphans affected by the epidemic aren't infected with the virus. They need to be nurtured, fed, educated and mentored. They also need to giggle, play and dream as children. In response, the Starfish Charity Foundation emerged as a conduit for grassroots projects. This summer, I worked for the Foundation and was compelled to grapple with disease, poverty, hunger and death, as well as hope, dignity and resilience. What would be my responsibilities and contributions in the future? I sought answers from the orphans, caregivers, project facilitators and others. Join me as I try to decipher these challenges and questions. (Internship supported by the Public Service Internship Fund.)

## **Science, Medicine and Public Health**

### **Cancer Research (individual presentations)**

#### **The Mechanism Underlying the Growth Stimulating Effect of Antizyme Inhibitor in 293 Cells**

*Jing Chen '05, Biological Chemistry*  
Advisor: *Mary Allen, Biological Sciences*

This summer my research centered on finding a mechanism by which a protein named antizyme inhibitor (AZI) can cause the uncontrollable cell proliferation that is seen in many forms of cancer. Previous experiments have shown that there is a positive correlation between AZI levels and the proliferation rates of several cell types. Immunoprecipitation of cyclin D1 with truncated mutant AZI derived from rats, followed by western blot analysis, indicated that the mechanism underlying the effect of AZI may come from its interaction with the G1 cell cycle protein cyclin D1. Further, my results also showed that antizyme inhibitor not only carries a binding site for cyclin D1, but may also possess an inhibitory DNA sequence that does not allow interaction with cyclin D1. Through working at Boston Enders Research Institute, I gained valuable experience and improved my molecular biology lab techniques. (Research supported by the Staley Fund Awards for Cancer-Related Research.)

#### **Angiogenesis: The Life Support of Cancer**

*Alissa R. Cohen '06, Biological Chemistry*  
Advisors: *Andrew Webb, Biological Sciences and Dr. Patricia D'Amore, Schepens Eye Research Institute and Harvard Medical School, Boston, MA*

Pathological angiogenesis is the process by which tumors recruit blood vessels. Once a tumor is the size of a pinhead, it can no longer grow without finding a more effective way to obtain nutrients and excrete wastes. A tumor can accomplish this by recruiting its own network of blood vessels. The new paradigm, under which angiogenesis fits, aims to address the environment that surrounds the tumor and find ways to target the tumor's life support. The major growth factor that stimulates angiogenesis is vascular endothelial growth factor (VEGF). VEGF stimulates the endothelial cells involved in blood vessel formation. Over the summer, I worked to develop an *in vitro* angiogenesis assay in which endothelial cells were co-cultured with angiogenic pancreatic islets from transgenic mice. This system allows a useful way to qualitatively assess angiogenesis *in vitro* and poses some interesting questions about the nature of blood vessel formation in tumors.

#### **Broccoli Power: Broccoli Joins the Battle against Cancer**

*Nicole R. Maddox '06, Biological Sciences*  
Advisor: *Jean Fuller-Stanley, Chemistry*

A staggering 10.3 million new cancer cases are diagnosed each year worldwide, making cancer prevention a top public health priority. Fortunately, the right diet can be a powerful weapon against development of this devastating disease. Fruits, vegetables and herbs are particularly rich in chemicals that can prevent cancer. Through a student internship granted by Oak Ridge Institute for Science and Education (ORISE), I was

able to work at the United States Food and Drug Administration's (FDA) National Center for Toxicological Research (NCTR). There, I studied the chemo-preventative properties of broccoli and its potential effects on pancreatic cancer. I will share my research experience from one of the world's renowned research centers. This presentation will be of interest to both science and nonscience people!

#### **Solo or Duet? Understanding the Mechanism of Action of Hsp90 in the Human Cell**

*Laure-Anne Ventouras '04, Biological Chemistry*  
Advisors: *Julia Miwa, Chemistry and Sophie Jackson, Chemistry Department, University of Cambridge, United Kingdom*

A fundamental principle learned in biology courses is that a protein's function is dependent upon its structure. This means that a protein that is not folded correctly cannot function properly. Hsp90 is one of the essential molecular chaperones in the cell, which is involved in helping other proteins reach their functional conformation. Hsp90 is especially important for the maturation of cyclin-dependent kinases, which makes Hsp90 a good target for anti-tumor drugs such as Geldanamycin. Therefore, in order to develop more potent anti-tumor drugs, it is necessary to understand precisely the mechanism of action of Hsp90. This project was specifically targeted at verifying the existing model for Hsp90's mechanism of action in which its N-terminus dimerizes upon binding with ATP resulting in the hydrolysis of ATP. I learned about the challenges and the joys of working in such a stimulating environment. (Research supported by the Hughes Summer Research Grants.)

### **Third (and Fourth) Rock from the Sun (individual presentations)**

#### **Martian Geology: What Craters Can Tell Us**

*Kristin Morell '04, Geology*

Advisor: *Margaret Thompson, Geology*

Extraterrestrial objects from space are constantly bombarding both the Earth and Mars at all times. Because Mars has less of an atmosphere than Earth, it is easy to see the evidence of these objects by looking at the Martian land surface. Fresh craters can be recognized on the surface of Mars by their clear ejecta patterns, distinguishable by the visible star-like splashing of both impactor material and the land surface from the impact site. In studying these fresh dark ray craters, we can infer information regarding atmospheric filtering and crater location preference, as well as the ages of both the Martian landscape and the craters themselves. Mapping these craters in a Geographic Information Systems (GIS) environment produced interesting results regarding erosional and resurfacing processes on Mars.

#### **Nitric Oxide in the Earth's Upper Atmosphere**

*Melissa S. Rice '04, Astrophysics*

Advisor: *Glenn Stark, Physics*

Nitric oxide (NO) is partially responsible for the depletion of the ozone layer. Unlike most well-known ozone-destroyers, it is not a pollutant; rather, NO is created from the solar X-rays that enter the Earth's upper atmosphere. The incoming solar radiation ionizes atmospheric atoms and molecules about 200 km above the Earth's surface, releasing energetic photoelectrons that react with other atmospheric constituents to eventually produce NO. This past summer I worked with a group at the University of Alaska, Fairbanks, to model NO production.

My advisor designed a satellite that has been measuring the incoming solar X-rays, photoelectron fluxes, and NO concentrations for six years. I collected data from this satellite and compared them to the predictions generated by our models. In this presentation, I will describe the model that we used and explain its results and implications.

#### **Digital Mapping in Muscongus Bay, Maine: Global Positioning Systems, Electronic Total Stations and Geographic Information Systems**

*Jessica B. Doyle '04, Geology*

Advisor: *James Besancon, Geology*

Traditional geological maps record large-scale structures (for example, folds and faults) and are often made at a scale of 1:24,000, that is 1 cm on the map represents 240 m on the ground. Precision digital mapping techniques, on the other hand, can be used to record much smaller structures as precision ranges from  $\pm 1$  mm to  $\pm 10$  m depending on the techniques and instruments employed. This summer I spent six weeks in the field as part of a team mapping several outcrops in Muscongus Bay, Maine. I learned how to use and integrate Global Positioning Systems (GPS) receivers with data dictionaries, GPS rovers that receive base station corrections in real time, and electronic total stations (ETS). Using the Geographic Information Systems (GIS) application ArcMap, my team created a digital map of the study area, which is currently being used for structural analysis in relation to the Norumbega fault zone.

#### **Exploring the Lower Crust: Fieldwork and Geochronology in the Snowbird Tectonic Zone**

*Alexis K. Ault '03, Geology and Political Science*

Advisor: *Margaret Thompson, Geology*

The East Athabasca Mylonite Triangle in the Snowbird tectonic zone is one of the most striking and yet puzzling features of the western Canadian shield and is spectacularly exposed in the East Athabasca area of Northern Saskatchewan. Located in this area is a remarkable 3,000 km<sup>2</sup> exposure of lower crustal rocks, which were once 30–60 km beneath the earth's surface. One of the most prominent rock types in the area is the Chipman tonalite, a ca. 3.0 billion-year-old metamorphic rock which records a long history of magmatism within the lower crust. The tonalite contains inclusions of older rocks that may be as old as 3.6 billion years. Fieldwork completed in the summer of 2003 and continuing petrographical and geochronological studies have aimed to better examine the nature and ages of these rocks. Ultimately, this research will provide insight into the formation and evolution of the lower crust.

#### **Common Injuries Associated with Athletic Women (panel)**

*Portland V. Knox '06, Undeclared, Jessa Barder '05, History, Christina E. Baer '05, Physics, Marisa Johnson '05, Psychology, Rebekah C. Rubin '06, Undeclared and Dhivya R. Kannabiran '05, Biological Chemistry*

Advisor: *Connie Bauman, Physical Education and Athletics*

As a woman, have you ever wondered why you might be more susceptible to certain injuries? Does your gender really have an influence on your body's vulnerability to

injury? Ever wondered if those raging hormones put you at a greater risk for injury? This panel will focus on these important issues by giving a whirlwind tour of common injuries among active women today. We will cover a variety of injuries such as ankle sprains, shinsplints, ACL tears (knee ligament), back strains, and shoulder tendinitis. Learn why you may be more prone to these injuries and what you can do to prevent them. Students who participated in the Sports Medicine 205 eight-week internship and current Athletic Training Aids will present live demonstrations and share their experiences regarding their participation in the Student Athletic Training Program.

## Culture and the Arts

### The Arts and Discovery (individual presentations)

#### *En Busca de la Cantadora: Art and Discovery in the Andes*

Ailin N. Conant '04, *Theatre Studies and*  
Rebecca J. Goldberg '04, *Political Science*  
Advisor: Veronica Darer, *Spanish*

Seen through the eyes of a camera, the lines of a drawing or the sounds of a monologue, complicated and painful issues such as development of identity and relationships of power can suddenly snap into a different focus that resonates in the visceral consciousness, leaving behind the illusive realm of ivory tower intellectualism. Last year, we had the opportunity to explore such a vision. We used art as a medium for understanding our surrounding cultures and ourselves in Bolivia and Ecuador. We will present our respective experiences by sharing the art that our journeys evoked. In this session, you will see a monologue in Spanish as well as a storybook representation of a Quechua community.

#### “Krik, Krak,” “An Island Possessed” and “Rara”: Synthesizing Dance, Music and Culture in Haiti

Jennifer O'Donnell '05, *International Relations and Latin American Studies and* Maia MacDonald '06, *Music*  
Advisor: Gerdès Fleurant, *Music*

As all the literature says, life in Haiti moves to a different rhythm. Deeply interwoven in the culture are elements of music and dance, which is part of the reason why trav-

eling to the country is so important to the study of Haitian life. On the island during Wintersession last year, we witnessed the intersection of dance, music and culture, along with the intersection of politics and issues of development. In our presentation we will impart the unexpected lessons we learned. Surrounded by master drummers and a world-renowned choreographer, much of what we learned was in the form of rhythms and movements. We will bring the cultural richness in the form of dance and music to our presentation.

### Facing War: Summer Theatre and World Conflict, Embracing Questions (panel)

Alison H. Buchbinder '05, *Theatre Studies and American Studies, Kelsey Peterson '05, Undeclared, Victoria George '05, Undeclared, Kimberly Hale DS'04, Urban Studies, Tori Woodhouse '06, Undeclared, April Rouleau '06, Undeclared, Emily Henderson '05, Theatre Studies and Nandita Dinesh '06, Undeclared*  
Advisor: Nora Hussey, *Theatre and Theatre Studies*

The role of theatre is twofold. It entertains and it educates; often it does both simultaneously. This twofold purpose can be a transformative force in a community and can shed new light on an old issue for the audience. The Wellesley Summer Theatre in its sixth season broke the comedic mold of many summer stock theatres in choosing to address the Iraq War. In its productions of “The Little Moon of Alban” and “Antigone,” the company sought to explore the meaning

and purpose of war and the human toll it exacts. These two vastly different productions, using the same set and acting company, revealed universal truths about our experience as participants and observers of war.

### From Reflection to Presentation (roundtable)

Craig Murphy, *Political Science, Julia Miwa, Chemistry, Christopher Candland, Political Science, Ellie Perkins '65, Center for Work and Service and Leyla Derbali '04, Political Science and Religion*  
Advisors: Lori Johnson, *Political Science and* Caitlin Blaser '04, *International Relations*

You've had your internship, study abroad or Wintersession experience. How do you determine what to make of it? What lessons can you draw? What steps would be helpful in translating your experience into an abstract for a Tanner presentation or an independent research project? How can you do more than simply “show and tell” about the time you spent? How do you connect it both to what you're studying at Wellesley and what you hope to do after graduation? Are there helpful suggestions for conveying concretely to prospective graduate schools or employers what you have learned? Join this roundtable discussion of these questions and others related to effectively transforming aspects of your experience into concrete benefits for you in the future.

## Politics, Economics and Activism

### Between Partisan Posturing and Turf Battles: How Work Does (and Doesn't) Get Done in Washington, D.C. (panel)

Meredith L. Cowie '04, *Computer Science, Kathryn J. Bradley '04, Economics, Anne Catherine Savage '04, History and Classical Civilization, Elizabeth A. Phelps '04, Political Science and History, Rachael C. Ward '04, Political Science, Mary K. Horstmann '04, Political Science, Louisa T. Olds '04, History and Chinese Studies and Carolyn A. Schultz '04, Political Science*  
Advisor: Alan Schechter, *Political Science*

In a summer marked by highly publicized political battles and tensions among the branches of government, Wellesley in Washington interns working on Capitol Hill, at the White House, in the State Department and in the Justice Department encountered not only obstruction, but also bipartisan cooperation. Through their varied experiences, the interns discovered that behind the common perception of bureaucracy and red tape, the U.S. government is staffed by people who sometimes work across party lines in a high-pressure and fast-paced environment to turn ideas into effective policies. At other times, interns were frustrated by how the obstructionist nature of party politics stood in the way of forming and implementing what they saw as necessary changes. Interns will discuss different approaches taken by the executive and legislative branches, how they responded to the rewards and frustrations of government work and how their experience shaped their perceptions of political

activism and public service. (Internships supported by the Washington Summer Internship Program.)

### **The Politics of Food (individual presentations)**

#### **Rice Is Life: Exploring the Politics of Rice Farming in the Philippines**

*Roshni Sampath '04, Environmental Studies and Jimena Leiva '04, Political Science*  
Advisor: *Lois Wasserspring, Political Science*

When you hold a grain of rice it looks small, innocuous. Look closely and you will see that there's a hidden story of politics, struggle, and history inside the grain. While traveling on the International Honors Program: Global Ecology, we had the chance to study environmental and developmental issues in England, India, the Philippines, New Zealand, and Mexico. We were amazed by the controversies and silent politics that underlie our food systems. Using the example of rice farming in the Philippines, we will discuss larger political issues such as conservation, peasants' movements, environmental revolutions, and institutionalized knowledge. Though our illustrations will be specific to the Philippines, the pattern that they set forth may be found worldwide. Through our presentation, we hope to surface issues that are rarely discussed.

#### **1.4 Billion Tons of Manure: The American Animal Factory Industry and Its Opponents**

*Rosalie H. Fazio '04, International Relations*  
Advisor: *Elizabeth DeSombre, Political Science*

The transition of the animal agriculture industry over the past 50 years from small, independent farms to large-scale agribusiness corporations has had far-reaching, often underreported, effects. The GRACE Factory Farm Project (GFFP) is a not-for-profit resource for citizens who are affected by the environmental, economic or public

health externalities of animal factory farms. As a GFFP intern, I researched these externalities and worked to create a publication for middle and high school students who are interested in taking action against factory farms. In my presentation, I will share some of my newly acquired knowledge of hogs and manure, and reflect on the challenges and rewards of working for a not-for-profit environmental organization.

### **Cross-Cultural Interaction**

#### **American Kimchee: Korean-Americans at a Crossroads (panel)**

*Jennifer Yum '05, History and International Relations, Josephine Noah '04, English and International Relations, Kiwon Sue '05, International Relations and Amy Y. Cho '04, English*  
Advisors: *William Joseph, Political Science and Y. Tak Matsusaka, History*

All too often, we as Americans are tempted to see the world through our own preconceptions. Upon entering a foreign country, however, stereotypes and assumptions are bound to be challenged. This summer, four Korean-American Wellesley students spent ten weeks in Seoul where they promoted Korean education and culture to the international community, interned for the country's foremost law firm and shadowed reporters at Korea's leading newspaper. The panelists will discuss their experiences from the vantage point of Korean-Americans whose understanding of Korean society, until then, had been built solely on books, the media and accounts of others. The presentation will address coming to grips with the recent surge of anti-American sentiment on the peninsula, striking a balance between Korean and American expectations in the workplace, and more generally, coming to realize the complexity of a society that is in the process of transition. (Internships supported by the Elisabeth Luce Moore '24 Wellesley-Yenching Program.)

### **Portraits of Change: Student Perspectives on Postapartheid South Africa (panel)**

*Salma B. Anam '04, International Relations, Surayyah T. Hasan '06, Undeclared, DeAnna E. Evans '06, Peace and Justice Studies and Political Science and Ashley A. Richardson '06, Undeclared*  
Advisor: *Pashington Obeng, Africana Studies*

Four Wellesley students spent the month of August in South Africa studying various aspects of change in postapartheid South Africa. One investigated issues surrounding public health and the HIV/AIDS epidemic in South Africa, and the astounding effects on the country's economic and social welfare. Another explored the problem of vanaadium poisoning and the exploitation of a disenfranchised community. The third examined postapartheid race relations in South Africa and expanded her understanding of race, race relations and racial healing. The fourth student delved into the conundrum of urban planning by examining governmental housing policies as compared to citizens' needs. Together they will challenge you to think critically about the complexities of development in a transitional nation.

### **Struggling with Stereotypes (individual presentations)**

#### **"Our Greatest Ally"**

*Amanda G. Pepper '04, English*  
Advisor: *Sylvia Hiestand, International Studies and Services*

The United Kingdom was America's greatest ally in the recent conflict in Iraq. Behind Tony Blair's dogged defense of America's decision to invade, however, was a country bitterly divided over the issue of war. This presentation will illustrate both the political climate of London and the United Kingdom during the conflict, as well as a personal

experience as an inhabitant of London, a student and an American abroad during a time of international tension. The presentation aims to encourage a more critical view of the American media and leadership roles in politics.

### **Suspicious and Awe: Misconceptions of Japan and America Promoted in Mass Media**

*Isabel Arantes '04, Japanese Studies and Kate E. Miller '04, Japanese Studies*  
Advisor: *Carolyn Morley, Japanese*

One of the most prevalent misconceptions about Japan is that it is a homogenous society with enduring traditional values. In the mass media, Japanese are pictured as aliens lacking emotion. This picture is based on the period of Japan's economic boom as well as on outdated images of feudal Japan. On the other hand, Japan's conception of America is based on pop culture and cowboy movies. We found that these distorted images colored our interactions with the people we met in Japan. While these images (samurai and cowboy) create suspicion, they also generate a sense of awe because the images are so powerful. We would like to discuss how our experiences in Japan were affected by this phenomenon.

### **Learning, Service and Youth**

#### **Growing Pains: Balancing Growth and Service in a Rapidly Expanding Community Organization (panel)**

*Priya P. Chordia '04, Political Science, Johanna Pino '04, Undeclared, Deborah Weaver and Raymond Harris, Lena Park Community Development Corporation*  
Advisor: *Deborah Weaver, Physical Education and Athletics*

Since 1997, Wellesley students have been integral to LEAP (Lifetime Empowerment & Awareness Program), a program designed

to empower at-risk girls (ages 8–14), using a unique combination of self-defense, safety awareness, life skills and support. The presentation will focus on the broader theme of how to bridge cross-cultural and socio-economic differences while maintaining the integrity of the organization. LEAP has chosen to build relationships with certain communities, like Lena Park Community Development Corporation, to help establish an environment where LEAP is not an outsider, but rather an organization that has a rapport with the people it serves. As LEAP grows in breadth and range, the next step will be to train other agencies to provide the LEAP curriculum locally. Through these partnerships and a training institute, LEAP is creating a model that addresses issues of replicability and grassroots community involvement whereby communities become active agents of change. (Internship supported by the Lumpkin Summer Institute for Service Learning.)

### **Curricular Innovations (individual presentations)**

#### **Back in High School: Redefining the Urban Curriculum**

*Jenna A. Bressel '04, International Relations and Yelena Biberman '04, International Relations*

Advisor: *Corrine Taylor, Quantitative Reasoning and Economics*

How do college students dream of spending their summers? Back in the classroom! This summer two Wellesley College students took the inner city school curriculum into their own hands, composing a college prep program to empower high school students in their academic endeavors and the pursuit of higher education. As mentors, they assisted students in establishing a tradition of service, leadership and commitment to learning. They had two different experi-

ences, but one common goal: to serve as educational resources to and advocates for inner city youth. (Internships supported by the Service Opportunity Stipends.)

#### **City Meets Prep: An Emerging Mentoring Program That Promotes Girls' Leadership and Scholarship**

*Garen S. Wolff '07, Undeclared*  
Advisor: *Kelly Brown, Harambee House*

The life of an adolescent girl is very challenging. Societal influences, such as the media's standard of beauty, often hinder individuality and destabilize self-confidence. Conversing with parents, reflecting upon my childhood, and realizing the lack of peer mentorship in my community, I founded the Official City~Prep Mentoring Program. City~Prep is a not-for-profit organization dedicated to helping middle school girls improve their results on standardized tests, become leaders in their environments, effectively deal with social problems and think "outside the box". The program pairs girls in the sixth to eighth grades with junior and senior high school student mentors. Through the program, these mentors give back to their community and develop themselves as young women with a purpose. Knowing they are being watched, evaluated and cheered creates a great symbiotic relationship. This presentation focuses on the evolving dynamics of City~Prep – how the organization was started, its mission, its impact and its future.

#### **Acting Up in France: Theater as Linguistic Education**

*Morgan P. Carberry '04, French*  
Advisor: *Michèle Respaut, French*

Have you ever been terrified to speak up in a foreign language class? Join the many French students who miss out on important oral communication skills in traditional

English courses. I set out to help solve this problem last year in France as a teacher and director for the Association Culturelle et Théâtrale d'Échanges Européens (A.C.T.E.E.), a not-for-profit organization that uses theater as a means of teaching foreign languages to French people. Teaching classes in three French high schools in Marseille led me to create an intensive theater workshop last summer through which I directed eight French students in a full-length comedy in English. Come and learn about the challenges and creativity involved in teaching theatrical principles and language skills at the same time. (Internship supported by the French House Fellows Program.)

### **Science, Medicine and Public Health**

#### **Community-Based Health Initiatives (individual presentations)**

##### **From Bucket Baths to Birthing Babies: Studies with Traditional Birth Attendants in Rural Ghana, West Africa**

*Ariel S. Gallantherstein '04, Music*  
Advisor: *Pashington Obeng, Africana Studies*

I sat on a short wooden stool in between the mother-to-be's wide-spread legs, holding the oil lantern close. Auntie Agnes pulled my arm, repositioning the light in order to see the baby's head. It was six hours since I had come running into the compound and finally, the new baby boy was about to make his appearance.

Due in part to the implications of modern medical practices, health ideology is recognizing the significance of the traditional birth attendant (TBA) in rural Ghanaian villages less and less. However, as development continues, it is becoming increasingly more important to acknowledge and value these individuals, who have sustained life

thus far. I had the opportunity to spend six weeks studying with three TBAs from two different ethnic regions in Ghana (Ashanti and Ewe) in an attempt to learn about traditional birth practices and the ways in which traditional medicine is integrated into Ghanaian culture. My research threw me into the depths of Ghanaian culture and peoples, and vividly displayed the challenges of maintaining human existence.

#### **Real-Life ER Experiences**

*Lizzi A. Clark '06, Undeclared*  
Advisor: *Lois Wasserspring, Political Science*

I spent six weeks this summer working in an urban clinic in Zapote, Costa Rica, a small suburb outside of San Jose. Patients from a wide range of socioeconomic backgrounds and ages complained of a variety of illnesses, from infected toenails to fecal vomiting. Because of air pollution and poor diet, the most common illnesses were asthma, diabetes, hypertension and diarrhea. Since Costa Rica operates on a socialist health system, all health care and state-approved medications were free. As an intern, I was able to assist the physicians in clinical exams and learned such procedures as giving insulin shots, preparing steroid masks for asthmatics, taking blood pressure and temperature, and suturing. My mentors – two student-doctors, five nurses, and a laboratory technician – were critical to my understanding of the value of medicine and to my desire to become a doctor. My presentation will focus on the patients we received and my participation in their care. (Internship supported by the Mollie Green Lumpkin '25 Fund for Experiential Learning in Latin America.)

### **Community Health for the Individual: Integrating Services for At-Risk Women and Children**

*Dante Lenea Costa '06, Undeclared  
Advisors: Sally Merry, Anthropology and Nan  
Stein, Center for Research on Women*

Community-based health centers and not-for-profit service providers are in the process of strengthening their capacity to integrate services to benefit at-risk populations with multilayered, interconnected needs. How are we to best understand and address the circumstances of crisis and underprivilege defining so many families in our communities? How are we to employ service and child protection systems to help make societal and demographic changes, and to ensure that the specific issues faced by women and children are not neglected by our healthcare system? While interning in the integrated domestic violence, mental health, child guidance, and maternal-infant programs at a Connecticut community health center, I worked on these questions and found that the state of crisis sustained by at-risk families demands continual innovation in the efforts of service providers.

### **Neuroscience Investigations (individual presentations)**

#### **The Role of the Wallerian Degeneration Gene's Phenotype in Protection against Wallerian Degeneration in Experimental Autoimmune Encephalomyelitis**

*Prianka Chawla '04, Neuroscience and Maia  
Sharuk '05, Biological Sciences  
Advisors: Barbara Beltz, Biological Sciences  
and Drs. Samia Khoury and Tanuja Chitnis,  
Center for Neurological Diseases, Brigham and  
Women's Hospital, Boston, MA*

Multiple Sclerosis (MS) is an autoimmune disease of the central nervous system (CNS). Most people are diagnosed between 20–50 years of age, and women are more susceptible to the disease than are men. MS is characterized by CNS inflammation, demyelination, and axonal damage. Clinical symptoms include limb weakness and eventual paralysis. Damage to the axon may play a role in the progression of MS. This has been demonstrated in the animal model of MS, experimental autoimmune encephalomyelitis (EAE).

Wallerian degeneration refers to a mechanism by which the axon degenerates following injury. It is thought to play an important role in a variety of neurodegenerative diseases, and may be involved in inducing axonal damage in EAE and multiple sclerosis, as animals that exhibit a spontaneously occurring mutation in the slow Wallerian degeneration gene (WLDs), appear to be relatively protected from MS.

#### **Stress, Vacuolization and Death: The Effects of HBV Protein Accumulation in the ER**

*Victoria Lyo '05, Biological Sciences and  
Chemistry  
Advisor: Jennifer Hood-DeGrenier, Biological  
Sciences*

The hepatitis B virus (HBV) large surface protein (LSP) is a probable culprit in the induction of hepatocyte death by the rapidly progressive form of viral hepatitis B, fibrosing cholestatic hepatitis. The viral proteins accumulate in intracellular particles of the ER and Golgi, causing ER stress, cytoplasmic vacuolization, and apoptosis. Intriguingly, the accumulation of polyglutamine proteins in many neurodegenerative diseases exhibits similar cytopathology. Therefore, in my work this summer, I investigated whether several mediators of apopto-

sis in neurodegenerative diseases also are involved in LSP-induced apoptosis. My results suggest that, as in neurodegenerative diseases, VCP/p97 dysfunction and activation of ASK1 appear to be involved in apoptosis caused by LSP. However, preliminary experiments indicate that LSP does not block proteasome function, unlike in neurodegenerative diseases. These results indicate that, while there may be common pathways in these diseases, their pathogenesis may not be identical. (Research supported by Hughes Summer Research Grants.)

#### **Is Brain Edema Reduced in Aquaporin-4 Null Mice with Hepatic Encephalopathy?**

*Wannasiri Lapcharoensap '04, Neuroscience  
Advisor: Joanne Berger-Sweeney, Biological  
Sciences*

Brain edema is a major cause of death in patients with acute liver failure. This condition is termed hepatic encephalopathy. Aquaporin-4, a water channel protein expressed in astrocytic foot processes, may play an important role in the development of brain edema. The purpose of my summer research at the University of California, San Francisco, was to investigate the role of aquaporin-4 in brain edema associated with acute liver failure. I worked to develop a mouse model for hepatic encephalopathy. This process constituted the bulk of my summer activity and involved a great amount of trial and error. Major results from the key experiments revealed surprising conclusions that were contrary to my initial hypothesis. The process of developing a model and independently carrying out experiments trained me to approach scientific problems from different angles.

### **Creating Nanostructures with Diblock Copolymer Thin Films**

*Arielle J. Galambos '06, Neuroscience  
Advisor: Nolan Flynn, Chemistry*

Nanostructures, hundreds of times smaller than human cells, can be used in various applications from magnetic data storage to drug delivery. In my research, I used diblock copolymers that have the ability to self-assemble under certain conditions, making nanostructures. This summer I continued my research at Stony Brook University by investigating methods of making polymer thin films in an effort to control the resulting nanostructures. Using an atomic force microscope, nanoposts, along with other morphologies, were observed when poly (styrene-block-ferrocenyl-dimethylsilane) films were annealed under certain conditions. Polymer films were also made using a Langmuir Blodgett (LB) trough, where micelles occurring in the LB films began fusing together, forming channels when different conditions were applied. Because the wide applicability of nanotechnology is so exciting, I plan to incorporate knowledge gained from my course work at Wellesley College and focus my future research on neuroscience applications. (Research supported by Hughes Summer Research Grants.)

3:35–4:45 P.M.

## Culture and the Arts

### The Politics of Public Buildings (individual presentations)

#### Museum Work in a Political Town: Alternative Internships in the Wellesley in Washington Program

*Katherine D. Alcauskas '04, Art History and Classical Civilization, Maggie E. O'Grady '04, History and Chava Kronenberg '04, Urban Studies*

Advisor: *Alan Schechter, Political Science*

What effect do politics and federal funding have upon museums and how they present information about America, its infrastructure, its art and its history? Three students who spent their summer interning at the National Building Museum, the Kreeger Museum, and the Smithsonian Museum of American History will speak about their experiences, both positive and negative, working in museums in the Nation's Capitol. When planning a conference on affordable housing, whom can you invite to speak? Why will an \$80 million donation buy you part of the Smithsonian? Are private museums affected in the same way as public institutions? While each intern had her own unique responsibilities, projects, and expectations for the summer, each soon came to learn that there is no such thing as an apolitical internship in Washington, D.C. (Internships supported by the Washington Summer Internship Program.)

#### Karibu Zanzibar: An Exhibit on the Swahili Coast Culture

*Meghan Reynard '05, History and Studio Art*  
Advisor: *Lidwien Kapteijns, History*

Zanzibar, at the crossroads of African, Arab, Indian and Far-Eastern cultures, is an island of perpetual confrontation between idyllic, paradisaical nature and the sobering reality of a floundering capitalist economy. Historically, Zanzibar has been part of a long tradition of cultural exchange that has created what is now considered the Swahili Coast culture. This two-part presentation will first introduce Zanzibar as an ideal representation of this multi-faceted Swahili Coast culture, briefly surveying the historical roots of contemporary politics, religion and customs. Second, the presentation will highlight the work of the House of Wonders, a Zanzibar museum of history and culture, which is currently researching, developing and constructing a permanent exhibition on the culture of the Swahili Coast. As a recently established museum, the House of Wonders faces considerable obstacles concerning methods of conservation, historical representation and political pressures, while it also faces difficult questions with regard to the preservation of Swahili customs that are being rapidly replaced by more financially profitable Western practices. (Internship supported by the Susan Rappaport Knafel '52 International Internship Fund.)

#### Library Culture in Morocco: Yesterday, Today and Tomorrow

*Chi H. Song '04, International Relations*  
Advisor: *Lidwien Kapteijns, History*

The Wellesley College Library mission is to "...fully engage in the collaborative education process of the college through the creation of intellectual partnerships with the students, faculty, and staff..." The role and value of a working national library system as a full-fledged partner in education is often overlooked – simply taken for granted. What happens when it is not a matter of fact? Can a similar library mission be fulfilled in Morocco? As a library development intern at the Center for Cross Cultural Learning in Rabat, Morocco, I worked first-hand in library development and began researching libraries in Morocco. While problems of conservation, resource exchange and lack of a popular library culture exist, these are not insurmountable problems. This presentation depicts a picture of libraries in Morocco today and provides a glimpse into their future. (Internship supported by the Susan Rappaport Knafel '52 International Internship Fund.)

#### Japan: Common/Uncommon Observations (exhibit)

*Giuliana M. Funkhouser '04, Japanese*  
Advisors: *Carolyn Morley, Japanese and Judith Black, Art*

Common visualizations of Japan are geishas daintily eating tofu without smudging their red lips, landscapes with orange and white koi swimming in the lake with a waterfall, quiet rock gardens in Zen temples, ornate rectangular plates of colorful sushi and unintelligible English printed on tee-shirts. Tokyo has its own visual reputation as a sprawling chain of department stores with flashy lights linked by trains that are never late.

In 2002, I lived with a host family as part of my exchange program to Japan Women's University hoping to experience Tokyo life as authentically as possible. In modern Japanese fashion, I always had a camera with me to take pictures of things that caught my eye. In lieu of glossy postcard books full of quintessential imagery, I brought back my own pictures of Japanese people, places and things, which I will share in this exhibit.

## Politics, Economics and Activism

### From Understanding to Activism (individual presentations)

#### The Southern-Jewish Experience: Fusions of Courage and Contradiction

*Jordan I. Namerow '05, Sociology*  
Advisor: *David Bernat, Religion*

Nineteenth-century Jewish immigration to the American Deep South is an unfamiliar narrative. Dually drawn by kinship and agricultural pursuits, a small number of persecuted European Jews sought a life of opportunity along the Mississippi River. Although institutional affiliations, economic endeavors, and family life largely resembled Jewish development in other American regions, three historical factors make the southern-Jewish experience unique: a rural lifestyle permeated with Christian influences and few ethnic enclaves, demands for southern loyalty that often muted Zionist expression and a struggle to reconcile religious values with social mores in a racially-divided society. As an intern at the Institute of Southern Jewish Life in Utica, Mississippi, I explored facets of southern-Jewish identity and helped revitalize religious activity that is tragically waning both in numbers and resources. This presentation will discuss the transformations of southern-Jewish communities and the interplay between religious identity and race relations in the Deep South.

#### Struggling for Women's Rights in Malaysia

*Xian-Zhen Mah '04, International Relations*  
Advisor: *William Joseph, Political Science*

Women in Malaysia have been suffering from discrimination and violence throughout their history. From the struggles of women's groups advocating for the Domestic Violence Act, to their current fight to

redefine the country's rape laws, women's rights advocates have helped to bring women's issues to the attention of the nation. Although the Malaysian Government has signed on to the Convention on the Elimination of All Forms of Discrimination (CEDAW), the question as to whether or not the government is actively promoting nondiscrimination policies remains highly debatable. Statistics show that the incidence of domestic violence and rape are on the rise and that women are still openly discriminated against in the workplace and in other aspects of their lives. My internship this summer at a Malaysian women's non-governmental organization exposed me to the plight of Malaysian women and to the issues blocking support for the critical work of women's rights advocates in the society. This presentation will examine the struggles of women's groups with the legal system and the preconceived ideas of society regarding the status of women. (Internship supported by the Elisabeth Luce Moore '24 Wellesley-Yenching Program.)

#### The Plight of Filipinas in Japan

*Catherine J. Cachero '04, Sociology and Economics*  
Advisor: *Amy Capman, Center for Work and Service*

Despite the Philippines' history as a migrant-sending country and its close proximity to Japan, Filipinos only began to travel there in large numbers in the 1970s. Today, migrant Filipinas can be found in all entertainment districts, from Tokyo's Roppongi to Osaka's Shinsaibashi, as well as in many rural farm communities across Japan. For many, life as foreign, often illegal, female workers in Japan is not easy. Their realities

are often exploitation, discrimination, threats of violence from employers and husbands, and legal status issues. My experience as an intern with Kapatiran, a Tokyo-based not-for-profit organization advocating for foreign women's rights, exposed me to the world of migrant women in Japan. I worked closely with Japanese and Filipino caseworkers to help foreign women with immigration and labor laws, family and marital issues, the education of their children, homesickness, and threats of violence. Through home visits, one-on-one counseling sessions, phone conversations, shelter visits, court appearances, interviews with Philippine consular officials, and community workshops, I learned about myself, my fellow Filipinos, and the steadfast commitment of a small group of Japanese and Filipina women working tirelessly to increase the status of all women in their society. (Internship supported by the Elisabeth Luce Moore '24 Wellesley-Yenching Program.)

#### Insider Perspectives (individual presentations)

#### Working with Americans for Peace Now: Education and Activism in Support of Peace between Israelis and Palestinians

*Jennifer T. Gordon '04, Middle Eastern Studies*  
Advisor: *Barbara Geller, Religion*

This summer I interned in Washington, D.C., with Americans for Peace Now (APN). For over twenty years, this American Jewish organization has advocated, for moral and pragmatic reasons, a two-state solution in which Israel and Palestine exist in peace as sovereign and neighboring states. Washington's political world made me appreciate the diverse narratives of the Israeli-Palestinian conflict. I addressed these issues in new ways, and these experiences will factor into my academic and

extracurricular work at Wellesley. Inspired by the dedication of the people I saw working to bring peace to Israelis and Palestinians, I drafted a guide to help other college students advocate for peace between Israel and Palestine. My presentation will describe how this internship challenged my understanding of the Israeli-Palestinian conflict and the peace process.

#### Capitol Hill: An Intern's Perspective on the Inner Workings of a United States Senator's Office

*Allison Kramer '06, Undeclared*  
Advisor: *Robert Paarlberg, Political Science*

United States Senator Jon S. Corzine of New Jersey receives approximately 13,000 pieces of mail a week at just one of his four offices. This summer, as an intern, I saw intimately how the Senate operates by attending hearings and briefings, conducting research on the senator's key policy issues, and writing letters to constituents. I found myself amazed by how little I knew about the "behind the scenes" mechanics of a senator's office and learned the importance of every person involved in a senator's appearance. The staff members – the backbone of senators' offices – are typically recent undergraduates who construct legislation and bills for their senators, write speeches, and instruct the senator on his/her policies. This valuable experience also taught me about the foundations and lengthy processes of the Senate that produce the legislation and policies about which the public hears.

### “More Than Just Snow!”: Interning for the Director of the Largest Employer in the United States

Rae Adams '05, *History and Classical Civilization*

Advisor: Jeff Gulati, *Political Science*

Interning directly for Mrs. Kay Cole James, Director of the U.S. Office of Personnel Management (OPM), who reports to President Bush, I noted a lapel button: “OPM: More Than Just Snow!” Little known for power politics inside the Beltway, OPM is responsible for more than 1.3 million federal employees – the entire federal workforce – and a myriad of programs including health benefits for a reported eight million retirees, members of Congress, their families, and staff. Managing the mundane (snow days) to the mysterious (keeping spies out of government via background checks), while heading up the President’s personnel and human resources outsourcing management agenda, requires transferable skill sets. Writing, the ability to digest and analyze volumes of information, and decision-making were all critical to my success.

### Cities in the Twenty-First Century (panel)

Julie Ota '04, *Political Science*, Emma Sydenham '04, *International Relations and*

Megan Kinsey '04, *Economics*

Advisor: Melissa Kearney, *Economics*

Last semester, we joined 29 other students from universities across the country and four faculty members to travel and study in Bangalore and Mysore, India, Cape Town, South Africa, and Rio de Janeiro and Curitiba, Brazil. During the semester we took four urban studies courses that

focused on the economics, environment, governance, and society of each country. In addition to course work, we each carried out an independent comparative research project. In this presentation, we will present research on the availability and use of water and sanitary systems, the effectiveness of government policies to manage urban sprawl, and on HIV/AIDS policies. Together, we will discuss the major issues and ideas we have brought back to the United States and Wellesley.

### Cross-Cultural Interaction

#### Vienna: Gateway to Eastern Europe (panel)

Sarah Barron '04, *German*, Sarah Teetor '04, *Art History and German and Elizabeth Castagna '04, International Relations*

Advisor: Margaret Ward, *German*

Since the Middle Ages, Vienna has been regarded as the eastern-most point of Western Europe. Based on our experiences studying there in 2002-2003, we will reflect on the varied ways this vibrant Austrian city still functions as a gateway to Eastern Europe. We will discuss specifically Vienna’s international role in a Europe whose boundaries are expanding eastward, the importance of its university system as a draw for Eastern Europeans, and the way in which Eastern European cultures continue to flavor Viennese daily life. As the European Union expands eastward, Vienna marks a geographical center of the continent. The city’s importance in international politics is exemplified by the existence of important United Nations offices and OPEC’s headquarters. Especially in fields such as economics and medicine, the University of Vienna attracts a wealth of students from Eastern Europe. Vienna is there-

fore a unique place for fostering dialogue between Eastern and Western Europeans. As the former seat of the Habsburg Empire, the city is infused with diverse peoples and a unique cultural blend reflected in Viennese art, food and architecture, influences that remain strong to the present day.

### L’Etranger: Experiencing Otherness in France (panel)

Laura E. Jacobsen '04, *Art History and Medieval and Renaissance Studies*, Crystal M. Fleming '04, *Sociology and French*, Elizabeth R. Senecal '04, *French and Psychology*, Maria D. Lapointe '04, *International Relations and French*, Yen-Trang X. Vo '04, *French and Environmental Studies*, Juanita Nava '04, *Political Science and French and Chen Yang '04, International Relations and French*

Advisor: Sylvaine Egron-Sparrow, *French*

Students who returned from studying abroad in France reported diverse experiences, yet all grappled with challenges related to being “an other” in French society. Panelists will present their reflections on how their time in France prompted them to consider minority and difference. They will discuss questions such as these: How are minorities depicted in French culture and how do they influence pop culture? What was it like being a racial minority in France, yet feeling that one’s American identity was the most stigmatizing characteristic? How could an athletic American female pursue her interest in playing soccer in France? How did they form their own subculture that was neither American nor French, but ultimately liberating...taking the best from both worlds?

### The Role of Study Abroad in a Wellesley Education (roundtable)

Lawrence Baldwin, *Institutional Research*, Sylvia Hiestand, *International Studies and Services*, Ruby Lam, *Chinese*, Michèle Respaut, *French and Lorraine Roses, Spanish*

Advisor: Andrea Levitt '71, *Office of the Dean of the College*

This roundtable will discuss the value of study abroad as part of the Wellesley College educational experience, with a particular focus on the results of a study abroad survey conducted by the Office of Institutional Research in the fall of 2002. The roundtable will feature faculty members from several language departments as well as the directors of international studies and institutional research.

### Learning, Service and Youth

#### Facing Adversity (individual presentations)

#### Friends with Expiration Dates: A Hospice Experience

Elizabeth C. Dayton '04, *French*

Advisor: Winifred Wood, *Writing Program*

Sixteen terminally ill patients spend their last days at Christus Schumpert Grace Home in Shreveport, Louisiana. It was there that I spent the summer of 2002 as a full-time hospice volunteer. My presence initially aroused skepticism among staff members, for I was the youngest volunteer in the organization’s history. What comfort could a 20-year-old possibly provide these patients? I discovered that the young are not only qualified to do hospice work, but are also uniquely gifted to help hospice patients live until they die. As my patients became my friends, they provided me with an education that put the value of my personal relationships and my Wellesley career into

focus. My presentation will focus on how I learned to make meaningful connections with my patients, what the young can offer the elderly and dying, and what the dying can teach us about living.

### **Staying on the Sunny Side: Finding Hope for Critically Ill Children and Their Families at Camp Sunshine**

*Candice W. Chow '05, Psychology*  
Advisor: *Linda Carli, Psychology*

Nestled in southern Maine, Camp Sunshine is a site where families of children with life-threatening illnesses can come for a week and experience respite from the strains of living with a child who is very sick. At this camp, not only do the kids who have illnesses partake in a week of fun, but also their parents and siblings can experience a time of relaxation, professional counseling and medical support. As a lead counselor for various age groups at Camp Sunshine for nine weeks, I was able to work directly with nearly four hundred remarkable families and also observe and experience the demands of a rapidly growing not-for-profit organization. In my presentation, I will convey the impact that Camp Sunshine and its families have had on my appreciation for human generosity, resilience of spirit and life as seen through the eyes of children. (Internship supported by the Service Opportunity Stipend.)

### **It's Not about the Chair: Spending a Summer at Camp Oakhurst**

*Samantha A. Fields '06, Undeclared*  
Advisor: *Judith Black, Art*

When most people meet a person in a wheelchair, they see the chair, the disability, rather than the person. This summer I worked as a counselor at Camp Oakhurst, a not-for-profit organization that runs a year-

round respite program as well as a summer camp for people who are physically challenged. It was a summer of long hours, endless demands and hard work, but what I came away with, above all, was a changed image of physically "disabled" people, and many new friends. It was, without question, the most intense experience of my life. My comfort zone was challenged, as I helped care for people in every possible way – from showering, to changing, lifting, eating and using the bathroom. After this experience, I feel confident that I can do just about anything. At orientation we were told that by the end of the summer we would no longer see the wheelchairs and walkers that filled the dining hall, and it was true. Spending the summer at Camp Oakhurst forever changed the way I look at people who are physically challenged. Come and learn more about this special place through photographs and stories of the summer. (Internship supported by the Service Opportunity Stipend.)

### **Learning from Children (individual presentations)**

#### **Learning from Ten-Year-Olds: Diversity through Political Uncorrectness**

*Lisa M. Damon '06, Undeclared*  
Advisor: *Adam Schwartz, Writing Program*

After growing up in homogeneous Maine and studying in the diverse environment of Wellesley, I actually learned about race from my fifth grade campers this summer. Teaching in Roxbury, Massachusetts, I discovered that children are the best educators about race. Many of my campers immigrated to the United States or have close ties with extended family in their parents' country of origin. Their ethnicity most defines who they are. Many times this summer they asked me what race I was, yet I was at a loss for an explanation. Through their questions,

fistfights, birthday cards, and defining "white words and black words", the children were honest and unaware of the confining discourse about race and diversity that I have experienced at Wellesley. (Internship supported by the Service Opportunity Stipend.)

#### **You Say Rubber, We Say Eraser: Educating and Being Educated by Scottish Schoolchildren**

*Caitlin Crawford '04, Psychology*  
Advisor: *Laura Wagner, Psychology*

This summer I had the opportunity to conduct psychological research in Dundee, Scotland, with primary school children. My research uniquely integrated my work in psychology and education by examining both developmental trends in the children and educational philosophy in the classroom within a cross-cultural framework. Specifically, I performed an analysis of verbal and nonverbal Stroop tasks, an EAS Temperament Survey, and observations of the children's interactions on the playground to find correlations between their inhibitory and attentional control and the quality of their social activity. In conjunction with my psychological analyses of the children, I enjoyed the role of student teacher. This permitted me not merely to observe, but also to participate in the children's schooling process. This allowed me to pursue my psychological research in greater depth and greatly broadened my pedagogical perspective as an American in a British classroom.

### **Cultivating Character: Inner-City Youth Grow Gardens While Growing Themselves at the Washington Youth Garden**

*Madeleine E. deBlois '04, Environmental Studies*  
Advisor: *Sohie Moody Lee, Computer Science*

"These are my tomatoes, this is zucchini, and here are peppers, these were eggplants, but rabbits ate the leaves..." Shahara continues, proudly showing her mother her meticulously planted rows, her recently staked tomatoes. My internship at the Washington Youth Garden, an oasis in the heart of northeast D.C., taught me the truth in the Spanish proverb, "More grows in the garden than the gardener sows." The pride and knowledge with which Shahara shares her garden is new, yet common among all our gardeners. Even in the span of a summer, the children showed marked advances in their practices of responsibility, lending a helping hand, having patience, respecting nature, coping with frustration, and eating their fruits and vegetables! Through the maintenance of their own garden plots, garden science lessons, and cooking and nutrition classes, inner city youth gained not only a wealth of new knowledge, but also a new perspective on themselves.

## Science, Medicine and Public Health

### Seeking Cures (individual presentations)

#### Do the Locomotion! The Causes of and Treatment for Movement Impairment in Hemiplegia

Jerri Chen '05, Neuroscience

Advisors: John Cameron, Biological Sciences and Jean-Michel Gracies, M.D., Ph.D., Neurology, Mount Sinai Medical School, New York, NY

Hemiplegia, a condition resulting from stroke or other traumatic brain injury, is a source of handicap in patients, affecting posture, ability to walk, or the use of one hand. While motor weakness and muscle shortening are widely accepted as significant factors contributing to the handicap in hemiplegia, the existence and role of excess muscle activity (cocontraction) in impairing patients is still disputed, as is the use of botulinum toxin (Botox®) injections as a treatment. In a project that allowed me to apply concepts learned at Wellesley in a clinical setting, I worked with patients who performed tasks with the upper limb before and after injection to assess their strength and movement ability, while their muscle activity was recorded by electromyography. In analyzing the data, I sought to prove the existence of cocontraction, to show its role in movement impairment, and to explore the effectiveness of treatment with Botox injections. (Research supported by the Hughes Summer Research Grants.)

#### An Encounter with a Rare Disease: Learning More about the NDP Gene, One Mutation at a Time

Parul N. Barry '05, Neuroscience

Advisor: Andrew Webb, Biological Sciences

What is Norrie Disease? This summer, I was given the opportunity to learn more about this rare genetic disease in the Lab of Molecular Medicine. Norrie Disease is a rare X-linked disease that leads to blindness, deafness, mental retardation and other vascular defects. Before this position, I believed that researching rare diseases was a poor allocation of resources; my opinion changed immediately after reviewing photos and case studies of the affected. As an intern, I was not allowed to have patient contact. This limitation never affected my project, which required my creating a data collection form and protocol that in the future will allow me to analyze data submitted in the form. This internship reinforced my desire to continue with science and later medicine. I invite you to learn about this disease, and I hope that you, too, will agree that disease severity is just as important as frequency.

#### A Novel Model to Examine Insulin Signaling in the Mouse Aorta

Clara W. Pau '04, Biological Chemistry

Advisor: John Cameron, Biological Sciences

Obesity often leads to insulin-resistance and type II diabetes. Insulin plays a number of vital roles in vascular function, including the enhancement of nitric oxide (NO) availability, which in turn promotes vessel relaxation. Normally, insulin acts by activating endothelial nitric oxide synthase through the phosphorylation of Akt/protein kinase B. On the other hand, insulin resistance and diabetes have been found to decrease NO availability and to increase the risk of ather-

osclerosis. The diabetic state may alter arterial insulin signaling, thereby decreasing NO availability. This summer I worked at the Cardiovascular Institute at Mount Sinai School of Medicine in New York City to develop an *in vitro* mouse model in which to investigate insulin-signaling in the aortae of obese and lean mice. Use of this model will serve to clarify further the mechanism by which obesity/diabetes impairs vascular relaxation. This experience exposed me to the exciting sense of exploration that can come with basic scientific research.

#### Synthesis and Purification of a Protein from the Dengue Fever Virus

Levita Y. Robinson '05, Neuroscience

Advisor: Mary Allen, Biological Sciences

This summer my research focused on developing an efficient protocol that would yield large amounts of the viral protein NS5. Previous experiments have shown that this protein is primarily responsible for replication of the dengue fever virus, causing hemorrhagic fever. A number of experiments and protein purifications were carried out, showing that only a very small amount of NS5 was being synthesized. Several additional transformation and protein purification procedures were used before the purified protein was sent off for X-ray crystallography, the goal of which is to solve the structure of the complex. Knowing the structure will make it possible to design ways to interfere with the viral replication process, and therefore stop viral synthesis and the disease process. As a result of working at Georgetown University Medical Center, I reinforced skills and concepts learned at Wellesley, while being introduced to modern genetic and molecular cloning techniques that have enhanced my overall learning experience.

### Public Health Challenges (individual presentations)

#### The Fight against HIV/AIDS: Issues in Prevention Education and Treatment (Arusha, Boston, Harare)

Brenda A. Kwambana '05, Biological Sciences and BioEthics and Wangechi E. Kagucia '05, Biological Sciences and Africana Studies  
Advisor: Mary Allen, Biological Sciences

We spent summer 2002 in rural Arusha training Tanzanians of all ages to be HIV/AIDS educators. Two hundred trainees were taught about HIV/AIDS prevention, treatment, and support. In summer 2003, a Science Center-sponsored research project in Zimbabwe evaluated the effectiveness of Cotrimoxazole prophylaxis in the prevention of respiratory opportunistic infections. The project included patient clinical and home visits, clinical microbiological tests, hematological examinations, and basic HIV/AIDS screening. All patients were highly immuno-compromised. At the same time in Boston, a Center for Work and Service-sponsored project geared towards increasing patient HAART regimen adherence was conducted. Aspects of the project included updating an adherence support manual, evaluating provider follow-up on adherence, and focus group discussions. In addition to discussing our experiences, the presentation will assess the challenges Tanzania, the United States and Zimbabwe face in curbing HIV/AIDS. (Research supported by the Hughes Summer Research Grants. Internships supported by the Service Opportunity Stipends and the Lumpkin Summer Institute for Service Learning.)

### **Realizing Rape: Advocating, Counseling and Empowering at the Boston Area Rape Crisis Center**

*Jessica R. Bell '06, Undeclared and Summer B. Zeh '04, English*

Advisors: *Winifred Wood, Writing Program and Sally Merry, Anthropology*

Who rapes? Who can be raped? What constitutes rape in Massachusetts, anyway? As interns and volunteers at the Boston Area Rape Crisis Center (BARCC), we learned to bring these and other questions about sexual assault out of the shadows and into a safe space for survivors of sexual assault and their significant others to discuss. In this presentation, after giving brief background on the realities of sexual assault, we will discuss what it means to work in a rape crisis center, a site we experienced both as a crisis management organization and as an underfunded not-for-profit. We will describe what BARCC does and the roles that we played (and continue to play) in the organization, as well as offer our reflections on this difficult work. (Internships supported by the Lumpkin Summer Institute for Service Learning.)

### **Disparities in Health Care Right Next Door: Prevention of Cervical Cancer by the Los Angeles County Department of Health Services, Office of Women's Health**

*Maya S. Melczer '04, Psychology*

Advisor: *Adrienne Asch, Women's Studies*

The incidence of cervical cancer in Los Angeles County is three times the national rate. Women from low-income, ethnic communities are disproportionately affected by this disease. Yet, this deadly cancer is nearly 100% preventable with a simple, routine Pap test. Cervical cancer deaths represent a

failure of the system to provide adequate access to simple, inexpensive preventative care, as well as ineffective communication regarding the need for annual Pap smears. The Office of Women's Health is working to take control of these complications by means of their Cervical Cancer Education and Prevention Initiative. I had a firsthand glance at the inner workings of health care and became aware of the extreme variances in health throughout the city. All led me to comprehend how prevention and education can be the most significant facets of an extremely broad field called public health. (Internship supported by the Service Opportunities Stipend.)

### **Corporate vs. Academic Technology Internships (panel)**

*Zi Dong Fan '04, Computer Science and Mathematics, Laura E. Jung '04, Computer Science and Economics, June O. Snedecor '04, Computer Science and Biological Sciences, Katherine M. Lau '04, Computer Science and January Y. Choy '04, Computer Science and Economics*

Advisors: *Franklyn Turbak, Computer Science and Scott Anderson, Computer Science*

Upon graduation, many college students must decide between pursuing research at a university and entering the corporate world. These work experiences can be very different. An academic internship offers a graduate school environment that fosters the development of essential research skills and presents some flexibility in research topics and schedule. A corporate internship focuses more on learning how the company is structured and how the student can contribute to a particular area than on training the student in certain skills. Because of these distinctions between corporate work and university research, students are strongly encouraged to explore both academic and corporate internship experiences to make

an informed choice among postcollege opportunities. This panel will focus on the experiences of five Wellesley College students with technology internships in software at Microsoft, finance at Credit Suisse First Boston, biotechnology at Genentech, medical informatics at the University of Washington, and digital media at Polytechnic University.

### **The Soul of Siberia: Uncovering the Culture and Ecology of the World's Great Lake, Russia's Baikal (panel)**

*Cheryl Hojnowski '05, Undeclared, Leslie Ordal '04, Biological Sciences, Patricia Kissinger DS'04, Psychology, Jeenah Jung '04, Biological Chemistry, Alexandra Evans '05, Russian and Ashley Lauren Ortiz '06, Undeclared*

Advisors: *Thomas Hodge, Russian and Marianne Moore, Biological Sciences*

Its name is almost unknown to Americans; it is scarcely mentioned in Western literature. Yet Lake Baikal inspires awe not only in the hearts of Russians but also among the world's most renowned scientists. After spending a semester studying history, religion and literature coupled with biology, chemistry and geology, twelve Wellesley students reunited in August at the world's oldest, deepest and most biodiverse lake for the fieldwork component of ES/RAST 212. By meeting with limnologists and collecting data, we studied the lake's numerous endemic species, the ecology of the surrounding forest and steppe, and the impact of human activity on this environment. In speaking with locals and activists, we sought to understand the cultural significance of a lake considered a fundamental part of the Russian spirit. As we present our slides, research and personal accounts, find out what matches the books, and what has yet to be recorded.



Wellesley College gratefully acknowledges the generous alumnae and friends who support experiential learning opportunities. Their support enables students to choose from a wide and varied array of off-campus learning opportunities that have become an integral part of the Wellesley College educational experience.

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