

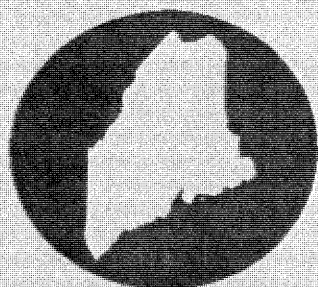
2000

Symposium 2000

University of Maine at Farmington

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University of Maine at Farmington



SYMPOSIUM

Wednesday, March 29, 2000

The normal everyday life of a university has a certain inescapable logic, built on social contracts between faculty, students, staff and administration, and the center of student academic life is the exchange of work for grade. Faculty hold out A's and B's as incentive for students to go through the effort of demonstrating their learning, and students attempt to efficiently distribute their workload so as to maximize GPA. But almost every college graduate has experienced the exhilaration of being able to learn something because it was interesting or potentially useful. The fact that learning is an end in itself, and a pleasant one, as opposed to something forced on students by the need to get good grades, is often lost in the life of a college campus.

That is why we take a day in the spring to teach and learn and show off our learning, outside of the usual life of the university. Students, faculty, staff and administrators can circulate together among sessions ranging from art to zoology. An attendee can follow a thread of ideas from venue to venue, or can stay in one place and encounter, for instance, Alan Turing and Deng Xiao-ping, xenoliths and Buddha, senior citizens and English grade schools. For a day, learning is an end in itself, and it is our hope that some of that sentiment infects our academic interactions for the rest of the year.

Venue 1: Student Center Lobby Poster Session

Posters will be on display from 9:00 to 3:00. Authors will be present from 11:00-12:00

Complete abstracts for these presentations are listed on pages 10-12

Poster Number	Title	Author(s)
1	Real-Life Writing: Applied Journalism	Teresa Swartz Roberts, Jodi Dyer, Kathleen Gowen, Jill Reny, Sarah Walsh
2	Analysis of Breakfast Cereal for Iron	CHY 100F Class
3	Bird Banding at UMF	Lisa Dulac
4	Detailed Bathymetric Maps of Western Maine Lakes made using GPS/GIS Technology.	Jeremy Deeds, Aaron Despres, Walter Jasnewski, The 1999 UMF Aquatic Biology Class and Dan Buckley
5	Forensic Chemistry: TLC and the Case of the Mysterious White Powder	CHY 100 F Class
6	Exploring England Through Photography*	Prof. Ralph Granger and ART 235 students
7	Analysis of Food for Fat Content	CHY 100F Class
8	Effects of acidity on pollen germination.	Nancy Prentiss and Faith Collins

* Linked with a presentation at Venue 3 (CR122) from 2:00-2:25.

Venue 2: Peter Mills Classroom

(Third floor, Library)

A complete abstract for this presentation is listed on page 13

Time	Title	Authors(s)
1:00-1:50	Blair Witch Project Innovative Internet Promotion	Katelan McIntyre Mikki Cote Amy Dodge Heather Hill

Venue 3: CR 123

(next to seminar room, student center)

Complete abstracts for these presentations are listed on pages 14-16

Time	Title	Authors
9:00-9:50	New Beginnings	Scott Deschambault, Brenda Grenier, Lynn Hardy, Shonna Poulin and Sarah Wildes.
10:00-10:50	ACCESS'D- Assessing the Concerns of the Community to Empower Students and Staff.	Heath Ouellette, Cara Armstrong, Sarah Lawton, Gil Coryell, Vicky Cyr
11:00-11:50	School Violence Youth Conference	Kendra Au, Laurie Hockenbrocht, Patrick Carey, and Jessica Rogers
12:00-12:50	A Head Start For Healthy Nutrition	Carolyn Greeley, Brandy Harwell, Shane Moffett, LeeAnna Pandora, Brigitte Poitras, and Brian Regan
1:00-1:50	The Next S.T.E.P (Student Tobacco Evaluation Program)	Mara McCarthy, Emily Smith, Josh Newcomb, Adam Lambert, Steve Lancaster and Betsy Bransky.
2:00-2:25	Hastening the End of Life.	Vicky Cyr, Brandy Hartwell, Laurie Hockenbrocht and Debra Robertson.
2:30-2:55	Harnessing Emotions in the Learning Process: Social Action Improv in the College Classroom.	Shannon Connolly, Justin Genschel, Angela Nolan, LeeAnna Pandora, Diana White

Venue 4: CR 122

(seminar room)

Complete abstracts for these presentations are listed on pages 17-19

Time	Title	Authors
9:00-9:50	Remembering When: A History of Past Buildings at the University of Maine at Farmington	Holly M. Howes
10:00-10:50	A Year in Russia: Life in Russia	John M. Alley
11:00-11:10	Safety on Campus.	Shane Mosher, Rodney Porter, Greg Merrill.
11:15-11:25	Tobacco Money; For whom, for what, and why?	Michele Camire and Consuelo Johnson
11:30-12:00	Maine's Vietnam Casualties: A Sociocultural Analysis	Jon T. Oplinger and Richard Talbot
12:00-1:00		
1:00-1:50	Neighborliness in the New Century - Dead or Alive? The Viability of Altruism, Social Capital, and Helping Ones Neighbor	Doug Dunlap
2:00-2:25	Exploring England Through Photography*	Prof. Ralph Granger and ART 235 students
2:30-2:55	Developing a Service Learning Curriculum for Community Violence Prevention.	Kendra Au, Sarah Lawton, Diana White, Richard White

*This panel discussion is linked with Photographic Exhibit on display from 9:00-3:00 in the lobby of the student center

Venue 5: North Dining Hall 101 A

Complete abstracts for these presentations are listed on pages 20-23

Time	Title	Authors
9:00-10:50	Dialogue on Poverty 2000: A Student Focused Discussion	Doug Dunlap, Cathleen McAnneny, Karen Barrett, Cindy Bartlett, Janice Daku
11:00-11:25	The Mozart Effect: How Listening to Classical Music Can Make You Smarter	Marcia Chastanet
11:30-11:40	Effectiveness of Britta™ in Removing Trace Lead from Tap Water	Mark Jones, Seth Campbell, Terry Morocco
11:50-12:00	The Role of Ultraviolet Vision in the Foraging Behavior of Black-capped Chickadees, <i>Parus atricapillus</i>	Lewis, Jody L. and Sloane, Sarah A.
12:00-1:00		
1:00-1:15	CHILDRENS AMALGAM TRIALS	Mandy Pelotte, Jody Lewis, Lisa M. Craigs & David B. Daniel
1:20-1:35	LACK OF SEX DIFFERENCES ON THE STROOP COLOR-WORD TEST ACROSS THREE AGE GROUPS	Mandy Pelotte, Jody Lewis & David B. Daniel
1:40-1:55	THE DEVELOPMENT OF SEX DIFFERENCES IN SIMPLE REACTION TIME	Mandy Pelotte and David B. Daniel
2:00-2:15	THE EFFECTS OF HEURISTIC TRAINING ON THE CONJUNCTION FALLACY	Jody L. Lewis and David B. Daniel
2:15-2:30	THE IMPORTANCE OF SELECTIVE REHEARSAL IN LIST-METHOD DIRECTED FORGETTING TASKS	Jaime Roberts and David B. Daniel
2:35-2:50	Effects of Music on False Memory	Jessica Pollard and Jaime Roberts

Venue 6: Roberts C 23

Complete abstracts for these presentations are listed on pages 24-28

Time	Title	Author(s)
9:00-9:25*	Ecological Field Research with Students: the Great Wass Island-Jack Pine project	Drew Barton
9:25-9:35*	Jack pine in the absence of fire on Great Wass Island, ME: bog and outcrop populations	Dan Grenier
9:35-9:45*	Tree ring analysis of jack pine on Great Wass Island, ME	Marian Arris and Anna Zinovyeva
9:45-9:55*	Invasion of bogs on Great Wass Island by Jack Pine: an aerial photographic analysis	Max Postvanderburg and Stasia Savasuk
10:00-10:25	Radar Studies of Asteroids	Chris Magri
10:30-10:55	Continued Studies of Lichen Diversity in Western Maine	Amy Hesby, Jon Tyler, Tyler Fox, Michelle Wheeler, Amanda Brown, & Ron Butler
11:00-11:25	Gattaca: Fact or Fiction?	Genetics Class
11:30-11:55	Indications of Pathology in a Veal Heart	Benjamin Blouin and Richard Robinson
12:00-1:00		
1:00-1:50	Using Computer Programs to Estimate Irrational Numbers.	Russell Rainville, Matthew Palmer
2:00-2:25	Designer Babies	Genetics Class
2:30-2:55	Microhabitat Related Differences in Shell Morphology of Common Periwinkles: "Hanging One" in the Surf-zone!	Marybeth Bailey, Jon Tyler, & Anna Zinovyeva

*linked presentations

Venue 7: North Dining Hall 101 B

Complete abstracts for these presentations are listed on pages 29-31

Time	Title	Author(s)
9:00-9:25	Let's Talk Trash: The Feasability of Composting Food Waste on Campus	Environmental Microbiology Class
9:30-9:55	Fundamental and Technical Analysis of Stocks	Matthew Hurd
10:00-10:10	April is Child Abuse Prevention Month.	Rod Gudroe, Mara McCarthy, Sarah Wildes, Krysten Prevost, Emily Smith, Darlene Hayward, Stephanie Thibeau.
10:15-10:25	Evaluation of Young Children's Beverage Consumption.	Joshua Newcomb, Brigette Poitras, and Brian Regan
10:30-10:55	Sun Tzu and the Art of Business	Kristen Hannaford and Chuck Gay
11:00-11:50	How to Make a PowerPoint Presentation: A Workshop	Jamey Lattin, Zach Tyler, Kristy Gervais
12:00-1:00		
1:00-1:50	Women in Management: Breaking the Glass Ceiling	Naomi J. Rines and Nicole S. DeCourcy
2:00-2:25	Internet Taxation	Kolo Silue, Timoer Samarudin, Alex Krolik

Venue 8: North Dining Hall 101 C

Complete abstracts for these presentations are listed on pages 32-34

Time	Title	Author(s)
9:00-9:50	The History of All Mathematical Thought, in a Hurry	Paul J Gies's History of Mathematics course
10:00-10:50	Do classroom teachers in Leicester, England and Maine differ in how they teach students with learning and behavior problems?	Heather Davidson, Denise Fleming, Jessica Hunter, Heidi Labbe, Tim Luff, Dr. Ray Glass
11:00-11:50	Teaching in China	Peter Williams
12:00-1:00		
1:00-1:25	Mathematics Education in Local Elementary Schools	Peter Hardy and the students of MAT101
1:30-1:55	Heartime Seniors Program.	Rick Drapeau, Tim Guillerault, Adam Lambert
2:00-2:25	The role of xenoliths and enclaves in magma evolution; examples from granites of coastal and interior Maine.	David Gibson, Mary Good and Marc O'Clair

Venue 9: Roberts 101

Complete abstracts for these presentations are listed on pages 35-36

Time	Title	Author(s)
9:00-9:50	The United Nations exception to "Never Again"; Genocide in Rwanda	Tiffany Maiuri, Alana Querze, Amanda
10:00-10:50	War and the future of Global Politics	Students of POS 232 and Scott Erb
11:00-11:25	How States Deal With Terrorism	Robert Hassinger
11:30-11:55	Russian Foreign Policy	Lena Fediounina, Scott Erb
12:00-1:00		
1:00-1:50	World Order or a New Isolationism?	Students from POS 204, American Foreign Policy and Scott Erb

Venue 10: Mable Hastie

Complete abstracts for these presentations are listed on page 37

Time	Title	Presenters
9:00-10:55	Aesthetics and Politics in the Nineteenth-Century American novel	<p>Christopher Dumaine, "Calvinists and Savages: Narration and the Subversion of 19th Century Representations of National Identities in Lydia Maria Child's Hobomok"</p> <p>Jocelyn Barrett, "Can a Racist Novel Revise Patriarchal Script?: An Examination of Race and Patriarchy in Lydia Maria Child's Hobomok"</p> <p>Rachel Lee, "Botanical Subtext in The Country of the Pointed Firs"</p> <p>Lisa Prosienski, "Location is Everything: Reading Moby-Dick in the Post-Cold War Era"</p>
11:00-12:00	UMF Writers Make a Scene	Elizabeth Cooke, Tryfon Tolides, John Sullivan, Liz Groleau, Adrienne Russo, Dan Brunk, Sean Thibideau, Jessica Quilty

Venue 11: Commons

A complete abstract for this presentation is listed on page 38.

Time	Title	Presenters
9:00-2:00	Marathon Reading of *Paradise Lost*	Students from ENG 249 and Others

Complete Abstracts for Venue 1: Student Center Lobby Poster Session

Poster #1

Real-Life Writing: Applied Journalism

Teresa Swartz Roberts, instructor, and Jodi Dyer, Kathleen Gowen, Jill Reny, Sarah Walsh, students

"Real-Life Writing: Applied Journalism" will showcase student work in journalism internships. Applied Journalism is being taught for the first time this semester. It is a directed study that asks students to write for publication in both off and on campus situations. (This semester's students are placed at the Sun Journal, UMF Sports Information, and Mainstream.) Students are responsible for newsgathering, covering events, writing, and presenting news products. The fall 1999 Journalism 213 class served as the initial foray into the world of real-life writing, essentially service learning. Applied Journalism takes the introductory survey course a step further, giving students hands-on learning that is mutually beneficial to them and to the community they serve. The students learn so much by writing for an audience beyond the instructor. Their work takes on new facets, as does their learning.

Poster #2

Analysis of Breakfast Cereal for Iron

CHY 100F Class

A recent study indicates that children get most of their daily vitamins and minerals from fortified breakfast cereals, which provide 25% of the RDA of Iron per serving. Colorimetry was used to demonstrate how iron can be quantitatively measured in food.

Poster #3

Bird Banding at UMF

Lisa Dulac, Sarah Sloane

In the fall of 1999, my research was to work on a project involving birds. My job was to band Black-capped Chickadees (*Parus atricapillus*) on specific sites in the Farmington, ME area. The purpose of banding a bird, or population of birds, is to be able to identify an individual in the wild and observe behaviors. In doing so, one could put a project together and study specific behaviors of a specific species for an independent study. This is an ongoing project that I am continuing this semester and I would love to share this experience to the UMF community.

Poster #4

Detailed Bathymetric Maps of Western Maine Lakes made using GPS/GIS Technology.

Jeremy Deeds, Aaron Despres, Walter Jasnewski, The 1999 UMF Aquatic Biology Class and Dan Buckley

Currently available maps of lakes in Maine show the shoreline and a limited number of depths along transects across the lake. The total number of readings that are found on such maps is often under 200 and the location of these depths in the lake is only approximate. Using the new technology of global positioning units (GPS) and geographic information systems (GIS) it is possible to construct highly detailed bathymetric maps of these lakes with far less effort than was used in the initial mapping. Students from UMF's Aquatic Biology class and student interns have mapped depths on three Western Maine Lakes using a high-resolution GPS system and attached sonar. In most instances, the accuracy of both the depth and the real world position readings is within .5 m. This data is then imported into a GIS program (Arcview) and used to construct the depth and three dimensional bathymetric maps.

Poster #5

Forensic Chemistry: TLC and the Case of the Mysterious White Powder.

CHY 100F Class

Thin Layer Chromatography (TLC) is used by forensic chemists to identify unknown substances. In many cases, this information is vital in convicting the criminal. This poster will explain TLC, and will show how it can be used to catch the bad guy!

Exploring England Through Photography

Ralph Granger and ART 235 students

This exhibition features black-and-white photographs taken by students enrolled in Photography I during the 1999 May term. As a part of course activities, the class went on a two-week field trip to Great Britain, visiting Salisbury, Stonehenge, Bath, Oxford, Stratford-upon-Avon, York, Edinburgh, and London.

Poster #6

Analysis of Food for Fat Content

CHY 100F Students

Do you ever look at the side of the food package...you know...the required nutritional facts? Ever wonder how "they" know those numbers? Come and talk to some of "them", and let them explain how the fat content of food can be measured.

Poster #7

Effects of acidity on pollen germination.

Nancy Prentiss and Faith Collins

Much acid deposition research on plants has concentrated on the effects of the air pollutant on vegetative plant parts. Relatively few studies have focused on plant reproductive systems, where the long term effects of acid rain may reduce the overall seed production in those plants unable to function efficiently at lowered pH levels. This study examines the relative germination rates of pollen grains when exposed to solutions of varying acidity. Previous studies indicate that pollen germination rates plummet when the pollen is exposed to solutions of increased acidity and that plants in the northeast may be already sensitized to prevailing acid rain conditions in general.

Complete Abstract for Venue 2: Peter Mills Classroom

1:00-1:55

Blair Witch Project Innovative Internet Promotion

Katelan McIntyre, Mikki Cote, Amy Dodge, Heather Hill

The four of us will be doing a presentation using the Remote Administration Technology (R.A.T). We will use a computer to show the various web sites used to market The Blair Witch Project. We will be showing clips from the Sci-Fi special, which was also important in the marketing of the movie, along with a time-line of the movie's important dates. This presentation will be followed by a conclusion of the movie and it's marketing strategies as well as a question and answer session. Kate will start the presentation with a brief introduction about the movie. Then Heather will show an overhead of a time line on how the hype was created. As she reaches certain points explaining websites Amy and Mikki will use the R.A.T to show highly used websites. The time line will continue and as Heather reaches the time about the Sci-Fi show, Mikki will come in with a brief discussion on the show and some clips using the TV/VCR. Then a few more overheads about the comic book. At the end of the time line Kate will talk about the four P's of the movie and the marketing strategies. A conclusion with a question and answer discussion will follow.

Complete Abstracts for Venue 3: CR 123

9:00-9:50

New Beginnings

Scott Deschambault, Brenda Grenier, Lynn Hardy, Shonna Poulin and Sarah Wildes.

Service learning was chosen by Dr. Lea Bryant for teaching the models and techniques usually applied in the process of planning health education programs. Students in HEA 311 were required to walk through a planning model, step by step, to prepare a web site and brochure aimed at a specific target group of the UMF population.

The population focus for "New Beginnings" is prospective incoming students on the UMF campus. In consideration of this focus, members of "New Beginnings" designed a web site to inform incoming students of UMF's Smoke-Free Campus Policy. "New Beginnings" goal is to encourage non-smokers to remain smoke-free and to create an awareness of the smoking cessation resources available on the UMF campus and outlying areas for those interested in quitting smoking.

10:00-10:50

ACCESS'D- Assessing the Concerns of the Community to Empower Students and Staff.

Heath Ouellette, Cara Armstrong, Sarah Lawton, Gil Coryell, Vicky C

Description: The intent of this project is to evaluate the accessibility and around the University of Maine at Farmington buildings, make recommendations for improvement and increase the campus community's awareness of diversity and needs surrounding accessibility at UMF. The group is currently in the process of collecting information regarding this issue from various campus sources including students and staff as well as Facilities Management and the Learning Assistance Center. Once collection and review of information has been completed, recommendations for accessibility improvement will be presented to the administration. Along with recommendations, ACCESS'D hopes to initiate action that will lead to advancements in campus accessibility and comfort for people with disabilities. As a result of data collection and recommendations, the group is hopeful to create a greater awareness of the importance of accessibility for everyone.

11:00-11:50

School Violence Youth Conference

Kendra Au, Laurie Hockenbrocht, Patrick Carey, and Jessica Rogers

A school violence youth conference will be the final product of a service learning project initiated by HEA 311, Health Education Planning, on the campus of the University of Maine Farmington and

association with the Healthy Community Coalition of Farmington. This project was selected as a follow-up to a conference held last year to determine the need for violence prevention programs among area youth. The task assigned to the group was to work alongside the Healthy Community Coalition to plan and implement a series of focus groups, where a diversified group of high school students from five area high schools could come together to discuss their feelings, thoughts, and concerns about violence. The goal of the group is to assess high school student's perception of violence for the implementation of a regional youth violence conference in May of 2000. The conference will allow students to work with teachers, administrators, as well as other members of the community to identify strategies to decrease the threat of violence in the lives of area youth.

12:00-12:50

A Head Start For Healthy Nutrition

Carolyn Greeley, Brandy Harwell, Shane Moffett, LeeAnna Pandora, Brigitte Poitras, and Brian Regan

A Head Start For Healthy Nutrition(HSFHN) is a product of a service learning project initiated in HEA 311, Health Education Planning, at the University of Maine at Farmington. The population focus for HSFHN is the children in the Franklin County Headstart programs. We are working in conjunction with the Healthy Community Coalition Nutrition Task Force with advising from Margaret Farmer Ph.D., R.D., professor at the University of Maine at Farmington. The focus for HSFHN is to educate the parents of the children taking part in the Headstart program. We will be presenting parents with information about meal planning and healthy eating when stretching the dollar. This information will be presented during one of the monthly meetings which takes place at the Headstart centers.

1:00-1:50

The Next S.T.E.P (Student Tobacco Evaluation Program)

Mara McCarthy, Emily Smith, Josh Newcomb, Adam Lambert, Steve Lancaster and Betsy Bransky.

Last year, UMF passed an initiative to create a "smoke-free" corridor running through campus. "Next S.T.E.P" is a group of students from HEA 311, Health Education Planning, who are working with the Partnership for a Tobacco-Free Maine. The goal of "Next S.T.E.P" is to evaluate the five year proposal and bring it to the "next step." Some questions that are hoped to be answered are; Are the students familiar with the proposal, if so, then are they abiding by its current requests? Do they feel it is attainable within the next five years or possibly sooner? The information gathered throughout the semester will be presented to the public through overheads, video and discussion. The information will include the results from a campus-wide survey, personal interviews and the statistics found while monitoring the "smoke-free" entrances.

2:00-2:25

Hastening the End of Life.

Vicky Cyr, Brandy Hartwell, Laurie Hockenbrocht and Debra Roberts

LD #2348, the Maine Death with Dignity Act, was brought to the legislature to allow terminally ill people to request medication from a physician to end the patient's own life in a humane and dignified manner. The bill was moved to a hearing and then on to the Judiciary Committee for a work session. Members of the group produced a letter in support of the bill and also attended a work session on February 2 where the Judiciary Committee voted unanimously that LD #2348 ought not to pass, and moved it to the November Referendum.

The group views this as an ethical issue in which one must look at the beliefs, values and preferences of individuals and groups on opposing sides. As Health Educators it is our responsibility to present all the facts in an unbiased and truthful way to educate and empower people to decide and vote responsibly. It is with this responsibility in mind that we intend to present information from both sides of this volatile issue.

2:30-2:55

Harnessing Emotions in the Learning Process: Social Action Improv in the College Classroom.

Shannon Connolly, Justin Genschel, Angela Nolan, LeeAnna Pandora, Diana White

How does Social Action Improv relate to the college classroom? Social Action Improv has been used as a means of raising awareness, problem solving, and social reform for many years. However, it was rarely used in an educational setting until the mid 1980's. Although it is commonly used with high school students, very few professors integrate it into the college curriculum. After an Improv performance by UMF students, we will demonstrate how this technique is currently used in an introductory health course. We also will explore the benefits and future curriculum development involved with using this method at a collegiate level. Participants will gain both the perspective of the student and professor who have experienced Social Action Improv in the college classroom.

Complete Abstracts for Venue 4: CR 122

9:00-9:50

Remembering When: A History of Past Buildings at the University of Maine at Farmington

Holly M. Howes

Have you ever looked at a campus building and wondered what existed prior to its construction? If so, please join me as I talk about the history of past buildings on campus, including their locations, how the buildings were used by the college, and why and when the buildings were razed or moved.

This project was done to fulfill part of my degree requirements and was originally presented to alumni at the 1999 Alumni Weekend.

10:00-10:50

A Year in Russia: Life in Russia

John M. Alley

After spending a year in Russia, and experiencing a general elections, three prime ministers, War in Kosovo, War in Chechnya, and a New president, I want to share my experience with others. I want to share my knowledge of the social life and changes that are occurring today in Russia.

11:00-11:10

Safety on Campus.

Shane Mosher, Rodney Porter, Greg Merrill.

Safety is not the job of any one person. Rather it requires the coordinated efforts of all the staff working together as a team to prevent accidents and work related injuries. Safety is something to be taken seriously, and applies to every person within the campus. Environments on campus are as diverse as the people, and since many of the employees and departments work together, and these environments are dynamic rather than static, the safety issues of one may be applicable to another.

Community Health students have been working with Facilities Management for two semesters. Last semester a general safety guidelines book was developed to raise awareness of some of the most common work place safety issues faced on campus. This semester the guidelines will be made available on the University of Maine at Farmington's online home page for all people to access. An emergency action plan will also be implemented under the direction of Bob Lawrence, Safety Officer for Facilities Management, consisting of easily read displays of means of egress in occupied buildings.

11:15-11:25

Tobacco Money; For whom, for what, and why?

Michele Camire and Consuelo Johnson.

With the 1998 multi-state tobacco settlement Maine received \$18.5 million and will continue to receive between \$49.3 million and \$64.6 million each year. The money is required by law to be spent on health care. The question before the Legislature is whether it should go to tobacco related health care costs or health care in general. We believe that the most effective use of this money is to use at least one-third and as much as one-half on smoking prevention. It is estimated that the annual health care costs in Maine directly related to tobacco use is \$330 million. Additional health care expenditures caused by tobacco include the cost related to direct exposure to second hand smoke, smoking-caused fires, and smokeless tobacco use. This shows a need to increase prevention programs and decrease the monetary impact of tobacco which in turn decreases the health risks. The other portion of the money would go to provide health coverage for uninsured working parents.

11:30-12:00

Maine's Vietnam Casualties: A Sociocultural Analysis

Jon T. Oplinger and Richard Talbot

Exploratory analysis of data about the 343 Maine soldiers killed in Vietnam suggests that some segments of the Maine community were disproportionately exposed to the perils of the conflict. Perceptions of the Vietnam casualty patterns as class based may need to be revised along ethnic community lines.

1:00-1:50

Neighborliness in the New Century - Dead or Alive? The Viability of Altruism, Social Capital, and Helping Ones Neighbor

Doug Dunlap

2:00-2:25

Exploring England Through Photography

Prof. Ralph Granger and ART 235 students

This exhibition features black-and-white photographs taken by students enrolled in Photography I during the 1999 May term. As a part of course activities, the class went on a two-week field trip to Great Britain, visiting Salisbury, Stonehenge, Bath, Oxford, Stratford-upon-Avon, York, Edinburgh, and London. In a panel discussion, several students will relate memories from their trip. For faculty and future teachers considering taking a group abroad, Ralph Granger will describe some of the preparations involved in planning overseas travel.

Photographic exhibition (all day in student center lobby) with panel discussion at the assigned time.

2:30-2:55

Developing a Service Learning Curriculum for Community Violence Prevention.

Kendra Au, Sarah Lawton, Diana White, Richard White

Farmington area community organizations and institutions have mobilized around issues related to prevention of community violence. Violence in schools, homes, institutional settings, and elsewhere is often addressed by different agencies with different concerns for specific populations. Graduates of the Community Health program will need to be knowledgeable about ways to prevent violence in many settings.

Students in HEA 310, Principles of Prevention and Health Promotion are assisting Diana White in developing a service learning unit for HEA 113, Introduction to Community Health. The curriculum unit will address violence issues in a comprehensive way with a focus on tolerance, diversity, and empathy as core values in addressing this community problem. The students working on curriculum development are Community Health Education majors who expect to develop service learning units in their teaching practice.

Complete Abstracts for Venue 5: North Dining Hall 101 A

9:00-10:50

Dialogue on Poverty 2000: A Student focused Discussion

Doug Dunlap, Department of Health and Rehabilitation, Cathleen McAnney, Department of Social Science and Business, Karen Barrett, Department of Health and Rehabilitation, Cindy Bartlett Department of Health and Rehabilitation, Janice Daku, Western Maine Community Action Program

As part of a national effort to understand the need of Americans who live below the poverty line, Community Action Programs throughout the country are participating in a program called Dialogue 2000. The aim of this program is to collect information about our perceptions of poverty and the reality poor families' needs to start a dialogue within communities about poverty.

UMF is a major regional institution, located in the heart of a region that faces persistent poverty. The forum engages students directly in this issue. Facilitated by Janice Daku of Western Maine Community Action, UMF students will be part of the dialogue. This is an opportunity to be part of the national conversation about poverty. Student ideas will be compiled and incorporated with responses from community forums to be held throughout Maine and the nation in the Spring of 2000. This is an opportunity to make a significant contribution. It is especially important for those who plan to work in school systems, rehabilitation and health education or planning to learn about the challenges facing many of our neighbors and friends.

11:00-11:25

The Mozart Effect: How Listening to Classical Music Can Make You Smarter

Marcia Chastanet

The Mozart effect is the detection of an increase in spatial reasoning scores following exposure to ten minutes of music composed by Mozart. In their studies of the effects of music on spatial IQ scores, Rauscher, et al used Mozart's Sonata for Two Pianos in D Major (K448) as their effective stimulus, and as a dependent measure included either three spatial subtests from the Stanford-Binet Scale of Intelligence or a series of paper-folding and cutting problems modeled after those on the Stanford-Binet. Previous attempts by researchers to replicate this effect have resulted in inconsistent findings. In the present study, a direct replication was not undertaken. Scores on a mental rotation task introduced by Shephard and Metzler (1971) were utilized as a dependent measure. Following exposure to ten minutes of Mozart's Sonata for Two Pianos in D Major (K488), 9 subjects demonstrated enhanced performance on 15 trials of a mental rotation

task. After a ten minute period of silence, 9 contrast subjects scored significantly lower after being given an identical mental rotation task to perform. The author has concluded that the difference in mean scores between the two groups is strongly suggestive that listening to classical music does improve spatial ability.

11:30-11:40

Effectiveness of Britta™ in Removing Trace Lead from Tap Water

Mark Jones, Seth Campbell, Terry Morocco

While lead has not been added to consumer products such as gasoline, paints, and plumbing materials for decades, the contamination from these products remains. Young children are especially susceptible: exposure to lead can cause severe neurological effects. This presentation will examine the effectiveness of Britta™ in removing trace lead from tap water.

11:50-12:00

The Role of Ultraviolet Vision in the Foraging Behavior of Black-capped Chickadees, *Parus atricapillus*.

Lewis, Jody L. and Sloane, Sarah A.

There is physiological and behavioral evidence to suggest that many species of birds are capable of detecting a wide range of wavelengths that extend into the ultraviolet (Chen and Goldsmith, 1986; Parrish et al., 1993; Maier, 1994). Selection pressures on the visual spectrum may have come from demands of foraging on plants or insects that reflect or absorb at lower wavelengths (e.g. Church et al., 1998a; 1998b). Arrangements of palatable and unpalatable worms were placed on a circular apparatus. Chickadees were trained to avoid unpalatable worms by using colored disks as the only reliable cue for locating the prey item. Preliminary data has shown that chickadees can discriminate between red and blue disks. Current research will provide information as to whether chickadees can detect color cues that reflect wavelengths in the ultraviolet, and if these cues are successful color warning signals when learning to avoid aposematic individuals.

1:00-1:15

CHILDRENS AMALGAM TRIALS

Mandy Pelotte, Jody Lewis, Lisa M. Craigs & David B. Daniel, Ph.D.

In the last 10 years or so, there have been some anecdotal reports of symptoms caused by amalgam, or mercury, based fillings. However, there have been, to date, no studies effectively assessing possible effects. The Children's Amalgam Trials is a conclusive 5-year longitudinal study designed to assess the possible effects of mercury fillings.

Selected UMF Psychology students are working through the New England Research Institute on an NIH funded grant to assess the effects, if any, of amalgam (mercury) fillings on the neuropsychological and physical development of children. The students are responsible for administering the entire neuropsychological battery as well as both parent and child surveys for our cite (n=250 children and their biological mothers) for 5 years.

1:20-1:35

**LACK OF SEX DIFFERENCES ON THE STROOP COLOR-WORD
ACROSS THREE AGE GROUPS**

Mandy Pelotte, Jody Lewis & David B. Daniel

The present study investigated recent reports of sex differences on the Stroop Color-Word Test by age. Present results indicate no sex differences at 7-8 yr., 9-10 yr., and 18-24 yr. The two school-age samples reported similar amounts of interference and significantly more than the college-age sample. Inconsistencies in the literature may be a function of response modality rather than interference.

1:40-1:55

**THE DEVELOPMENT OF SEX DIFFERENCES IN SIMPLE
REACTION TIME**

Mandy Pelotte and David B. Daniel

Unlike preadolescent boys and girls, postadolescent men and women differ from each other on simple reaction time tasks. Reaction time differences by sex in three age groups (7-8, 9-10, and 18-24 yrs.) are reported. The results show that reaction time decreases and gender differences emerge between the ages of 10 and 18 years of age with males being faster. Further research is needed to more precisely isolate and explain the emergence of these differences.

2:00-2:15

**THE EFFECTS OF HEURISTIC TRAINING ON THE CONJUNCTION
FALLACY**

Jody L. Lewis and David B. Daniel

The following experiment was designed to test whether representativeness heuristics (specifically the conjunction fallacy) can be eliminated or diminished with training specific to the error. College students were divided into two groups with one group receiving training specific to heuristics. The results demonstrate that heuristic training can be effective at diminishing the effect of the conjunction fallacy. Further research may wish to explore the effectiveness of heuristic training over extended periods of time.

2:15-2:30

**THE IMPORTANCE OF SELECTIVE REHEARSAL IN LIST-METHOD
DIRECTED FORGETTING TASKS**

Jaime Roberts and David B. Daniel

Previous studies using the list presentation method in directed forgetting tasks have failed to fully explore the role of presentation order as it effects selective attention. College-aged participants were randomly assigned to one of four presentation groups in a traditional directed forgetting paradigm. The results suggest that the role of selective rehearsal may play a larger part in list method directed forgetting results than was previously believed.

2:35-2:50

Effects of Music on False Memory

Jessica Pollard and Jaime Roberts

The reported study examined the effects of music on false memory. Word lists read in standard fashion to participants in one of three conditions: silence, music before, and music during. The results indicate that music may have differential effects on the creation of false memories depending on the time of the association. Future research may wish to focus on a broader spectrum of musical pieces and physiological correlates as a possible explanation for this effect.

Complete Abstracts for Venue 6: Roberts C 23

9:00-9:25

Ecological Field Research with Students: the Great Wass Island-Jack Pine project

Drew Barton

Ecological field research lends itself well to faculty-undergraduate collaboration because of the low costs and accessibility of interesting questions and field sites. For the last two years, I have worked with nine UMF students on the ecology of jack pine woodlands on Great Wass Island, ME. My approach is to include a wide range of students, from first-years to seniors. Ideally, this team works in a manner similar to graduate student research groups, in which more experienced students serve as mentors for younger students (and sometimes the professor!); the "lab" works as a unit, even when students are pursuing separate but related projects. Jack pine is a boreal tree species, which reaches its southern distributional limit in Maine. It is typically fire-dependent, and is replaced by more shade-tolerant trees, such as spruce, in the absence of fire. Great Wass Island supports one of the largest populations of jack pine in Maine, despite little evidence of past fire. I will provide some ecological background and discuss the initial questions of the project.

Three student presentations will follow, which will discuss the results over the past year and current and future aspects of the project.

9:25-9:35

Jack pine in the absence of fire on Great Wass Island, ME: bog and outcrop populations

Dan Grenier

We investigated the population dynamics of jack pine on rock outcrops and in bogs at the southeastern margin of its distribution, in mid-coast Maine. Jack pine is typically a fire-dependent species, which is replaced by more shade-tolerant species, such as spruce, in the absence of fire. Using analyses of age structure and seedling establishment, we assessed whether jack pine is self-perpetuating on Great Wass Island, where there is little evidence of past fire. The stands generally exhibit patterns indicating self-perpetuating populations, although clear pulses of recruitment synchronized among sites are also apparent, especially in outcrop stands. Factors other than fire, such as climatic fluctuations, are most likely to account for these pulses. Compared to outcrops, bogs tend to have relatively young populations with vigorous trees and many seedlings. These results suggest recent invasion of bogs by jack pine, perhaps as a result of bog succession or climate fluctuations. This is the first documentation of bog populations of this species, although this has been found for similar fire-associated, stress-tolerant pines.

9:35-9:45

Tree ring analysis of jack pine on Great Wass Island, ME

Marian Arris and Anna Zinovyeva

Jack pine is a fire-dependent species typically occurring on dry, nutrient-poor sites. The Great Wass Island project has demonstrated for the first time the occurrence of jack pine in bogs. Age structure data and other observations suggest that jack pine populations in bogs are healthier and produce more seedlings than those on outcrops. We are using dendrochronology (tree ring analysis) to begin testing the hypothesis that bogs are more favorable sites than outcrops for jack pine establishment and growth. We are also analyzing the tree rings to examine whether periods of past establishment are also favorable periods for growth? If so, this might provide some clues as to which environmental conditions have led to jack pine success on the island generally and to the pulses of past establishment identified in the age structure research specifically. We will describe our dendrochronology methods, preliminary results, and plans for future tree ring studies.

9:45-9:55

Invasion of bogs on Great Wass Island by Jack Pine: an aerial photographic analysis

Max Postvanderburg and Stasia Savasuk

The Great Wass Island Project, led by Dr. Andrew Barton, has documented, for the first time, the occurrence of jack pine in bogs. This is unusual given that jack pine typically grows on dry soils subject to frequent fire, both of which are not characteristic of Great Wass Island. Results from age structure analyses suggest that jack pine invaded these bogs in the 20th century, whereas those portions of the population occurring on outcrop sites appear to be much older. We are attempting to test this hypothesis by using aerial photographs, which exist for much of the US from before 1950 to the present. After intensive searching, we found and obtained aerial photographs for three dates: 1996, 1975, and 1940. Using three bog sites for which age structure data now exist, we will be comparing the three photos to examine the extent of invasion of jack pine and other tree species over a 56-year period (1940 to 1996). We will describe our analytical methods, preliminary results, and future projects that may aid in understanding jack pine population patterns on Great Wass Island.

10:00-10:25

Radar Studies of Asteroids

Chris Magri

Radar represents one of the best techniques for determining the size, shape, smoothness, rotation state, and surface composition of asteroids -- in turn giving clues to the history of the solar system. In particular, delay-Doppler imaging of strong targets enables 3-D shape reconstructions whose level of spatial detail is independent of the

target's angular size on the sky. Due to the inverse-fourth-power distance dependence of echo strength, the best results to date have been obtained for small near-Earth asteroids (NEAs) rather than for the larger main-belt asteroids (MBAs) orbiting between Mars and Jupiter. The general technique will be described and specific past results for NEAs and MBAs will be presented. Current projects, made possible by the recent upgrade of the Arecibo Observatory, include an MBA survey and MBA imaging.

10:30-10:55

Continued Studies of Lichen Diversity in Western Maine

Amy Hesby, Jon Tyler, Tyler Fox, Michelle Wheeler, Amanda Brown, & Ron Butler

Increased attention has been focused on the ecology of lichens because of their potential importance as indicators of air quality, forest integrity, biodiversity 'hotspots', and possibly even human health. The UMF Lichen Research Unit (LRU) was formed in 1998 to give students the opportunity to participate in real-world research projects involving lichen ecology. New members initially work together with more experienced students while they learn the necessary taxonomic and identification techniques required for the project (e.g., lichen morphology, field identification and sampling, use of complex dichotomous keys, microscopic analysis, chemical testing). During this training period, new students assist experienced LRU members in the field and learn sampling protocols, field identification of lichens, and the use of GPS/GIS technology. Senior members direct the day-to-day activities of the research group including: teaching, field work and logistics, specimen collection and identification, and data entry and analysis. Over the past two years, 12 UMF students have had the opportunity to participate in the LRU research program. This presentation will highlight the biology and significance of lichens, the work of LRU members, and the preliminary results of one project investigating the potential relationship between lichen diversity and human health in western Maine.

11:00-11:25

Gattaca: Fact or Fiction?

Genetics Class

Once the human genome has been completely mapped, molecular techniques can easily be used to test individuals for the presence of certain genes. While this may be extremely helpful in early detection and modification of disease-causing genes, it may also be used to test for other genes such as predisposition to alcoholism and drug abuse, certain types of mental illness, intelligence, athleticism, and other such traits. In this presentation the basic methodology used in genetic testing, and the potential uses and abuses of this technology, will be discussed.

11:30-11:55

Indications of Pathology in a Veal Heart

Benjamin Blouin, Richard Robinson

Veal heart dissections from teaching laboratory have shown significant pathology for many years. Approximately forty hearts have been dissected each year and pathological conditions have been noted in over 90% of hearts. In conjunction with a literature search, professionals in the field were contacted and questioned regarding their experiences. Over one hundred hearts were dissected to expose internal damage and provide a baseline of data to determine existing pathology. Swabs of cyst fluids and endocardial surfaces were performed to generate bacterial cultures, and fluid samples were taken to investigate potential viral or bacterial causes. Dissections were carried out and data recorded following qualitative criteria. Heart pathology was rated from none to high at each of the four valves and adjacent endocardial surfaces. Tentative results show less than five percent of dissected hearts free of pathology. The remaining 95% of dissected hearts have pathology characterized by varying degrees of redness, cyst formation, internal and external clots, and vegetative lesions around the ventricular valves. Redness, internal clots, and cyst formation on valve cusps may be chronological. External ventricular clots loosely associated with cuspid valve edges, chordae tendinae, and papillary muscle may also be the precursors of vegetative lesions in these areas.

1:00-1:50

Using Computer Programs to Estimate Irrational Numbers

Dr. Russell Rainville, Matthew Palmer

Computer programs can be designed to estimate irrational numbers like the square root of 2, e , and π . These methods use methods found in calculus, such as Taylor series, and geometry, Archimedes method of approximating π , to estimate these solutions. The computer programs can use simple functions to more advanced concepts such as classes to achieve these estimates.

2:00-2:25

Designer Babies

Genetics Class

Are you one of those people who like to browse through catalogs looking for that perfect gift, or perhaps a sweater to go with your favorite pants? Before long, you may also be browsing through catalogs to decide how tall you want your unborn child to be, or how athletic. The technologies necessary to determine specific traits in offspring are almost in place. While this same technology may allow for the removal of disease-causing genes, it will also allow us to design our own children. The specific technology involved in this process will be discussed, as well as the implications.

2:30-2:55

Microhabitat Related Differences in Shell Morphology of Common Periwinkles: "Hanging One" in the Surf-zone!

Marybeth Bailey, Jon Tyler, & Anna Zinovyeva

Wave action is a powerful physical factor affecting the survival and fitness of intertidal organisms on Maine's rocky coastline. Previous research has established discrete differences in shell morphology and behavior of intertidal snails living on exposed, wave-swept shores when compared to those living in protected coves with little exposure to wave action. The objective of this study was to determine whether similar differences could be observed in animals located in microhabitats at a single wave exposed site. During the fall of 1999, Ecology students (BIO 361) surveyed Common Periwinkles (*Littorina littorea*) at Pemaquid Point, Maine in four different microhabitats, which varied in their exposure to wave forces. Periwinkles were selected from each microhabitat using 0.25m² quadrats randomly placed along transects set up perpendicular to the low tide line. Weights, a variety of shell measurements, and digital photographs of the 'feet' of 252 snails were recorded on site, and animals were then returned unharmed to their respective microhabitats. Statistical and image analyses revealed a number of significant differences in morphology among groups of periwinkles, which were consistent with differing degrees of wave exposure associated with microhabitat characteristics. The adaptive significance and possible mechanisms responsible for observed results will be discussed.

Complete Abstracts for Venue 7: North Dining Hall 101 B

9:00-9:25

Let's Talk Trash: The Feasability of Composting Food Waste on Campus

Environmental Microbiology Class

Did you know that 30% of all household waste can be composted? In 1997 alone Americans generated 340 million tons of municipal waste, averaging 1.27 tons per person, a substantial increase from 1990. With more than eleven hundred students currently living on or commuting to campus, there is a concern for the amount of food waste generated on campus. To address this concern the Environmental Microbiology class conducted a study to determine the associated costs of composting, the biological processes involved in the creation and maintenance of a compost pile, and the practicality of implication. Results from the economic, biological, and physical aspects of this composting project will be presented.

9:30-9:55

Fundamental and Technical Analysis of Stocks

Matthew Hurd

This presentation will consist of an oral and PowerPoint presentation covering fundamental and technical analysis techniques used to evaluate stocks. The techniques of each type of analysis will be detailed and explained and then will applied to a company to determine whether it is a good investment or not.

10:00-10:10

April is Child Abuse Prevention Month.

Rod Gudroe, Mara McCarthy, Sarah Wildes, Krysten Prevost, Emily Smith, Darlene Hayward, Stephanie Thibeau.

Child abuse is a significant community health problem which is related to other problems in our society, including violence, drug abuse, stress, and lack of parenting skills. The Franklin County Children's Task Force is a community organization which provides leadership on children's issues, focusing on developing family skills such as parenting techniques, activities for kids, abuse and neglect strategies, and resource availability. The agency promotes Child Abuse Prevention month annually as a community primary prevention effort. Students from HEA 310, Principles of Prevention and Health Promotion are assisting the Task Force with its efforts this year.

10:15-10:25

Evaluation of Young Children's Beverage Consumption.

Joshua Newcomb, Brigitte Poitras, and Brian Regan

Early Childhood Beverage Consumption (ECBC) is a service learning project initiated in HEA 310, Principles of Prevention and Health Promotion, at the University of Maine at Farmington. The population focus for Early Childhood Beverage Consumption is the children in the Franklin County Headstart programs. We are working with advising from Margaret Farmer Ph.D., R.D., professor at the University of Maine at Farmington. The focus for ECBC is to educate the parents of the children taking part in the Headstart program. We will be surveying the parents about their children's consumption of beverages. Once the survey results have been compiled, we will then present the parents with the results and provide them with information about the importance of water consumption verses the consumption of other drinks, such as sports drinks and soda.

10:30-10:55

Sun Tzu and the Art of Business

Kristen Hannaford and Chuck Gay

Chinese general Sun Tzu wrote a military strategy book entitled, The Art of War. Business has often been compared to military strategy due to the fact that it is quick, dynamic, and requires an effective and efficient use of scarce resources. Many modern business leaders have realized the importance of this connection and have relied on many of Sun Tzu's teachings. Mark McNeilly, author of Sun Tzu and the Art of Business, makes an effort to combine Sun Tzu's ancient military strategies with modern business problems. Sun Tzu relied on six strategic principles: 1. Win all without fighting, 2. Avoid strength, attack weakness, 3. Deception and foreknowledge, 4. Speed and preparation, 5. Shape your opponent, 6. Character-based leadership. McNeilly takes these principles and applies them to current issues, which face all business managers today. The presentation will focus on these six strategic principles and use examples to correlate how Sun Tzu is shaping the managers of today.

11:00-11:50

How to Make a PowerPoint Presentation: A Workshop

Jamey Lattin, Zach Tyler, Kristy Gervais

This workshop will include the following: Polarid 235 Projector, Apple LapTop, The use of the Graphics lab with permission. The reason for this is the fact that they are the only ones who have PowerPoint on this campus. The Business world deals solely with Microsoft PowerPoint. This is the reason for the Presentation. We hope to make students more aware of the many positive benefits to PowerPoint.

There will be handouts given to students who attend. These will help

aid them later on when they experience it for themselves. The idea behind the graphics lab is to let students get a feel for the program. At the same time it will make students aware that this campus has it.

1:00-1:50

Women in Management: Breaking the Glass Ceiling

Naomi J. Rines and Nicole S. DeCourcy

A PowerPoint presentation on how women are breaking the glass ceiling. An analysis of the glass ceiling effect and how women have been struggling to shatter the traditional hierarchical structure of the business world. The glass ceiling effect is crumbling away with the increasing number of women in higher levels of management. Fortune magazine has released the 50 most powerful women in American business. We will show how these women have battled their way to the top and the struggles women have faced to gain power and authority.

2:00-2:25

Internet Taxation

Kolo Silue, Timoer Samarudin, Alex Krolik

Wanna start one of those .com companies? Worry about the tax issues? There are some who think that the tax-free days are coming to an end. There is a number of obstacles which create some problems for our policy makers. Come hear and enjoy the collaborative work of outstanding students-us!

Complete Abstracts for Venue 8: North Dining Hall 101 C

9:00-9:50

The History of All Mathematical Thought, in a Hurry

The members of Paul J Gies's History of Mathematics course will present the lives and ideas of all the most important mathematical thinkers from Og to Alan Turing. At about three minutes per thinker, there won't be time to get bored.

We will each take a minute (literally) to describe the historical setting for our thinker, then two minutes for his or her life, and then a minute to describe his or her major work.

Our thinkers will probably be as follows:

1. Og (cave person)
2. Pythagoras
3. Euclid
4. Hypatia
5. Aryabhata and Brahmagupta
6. Omar Khayyam
7. Leonardo Fibonacci
8. Rene Descartes
9. The Bernoullis
10. Leonard Euler
11. C. F. Gauss
12. Evariste Galois
13. Sonya Kovalevskaya
14. Emmy Noether
15. Alan Turing

10:00-10:50

Do classroom teachers in Leicester, England and Maine differ in how they teach students with learning and behavior problems?

Heather Davidson, Denise Fleming, Jessica Hunter Heidi Labbe, and Tim Luff. Faculty advisor: Dr. Ray Glass

From May 25 to June 12, 1999, ten UMF students participated in a study trip to Leicester, England as part of SED 360, a course for elementary education majors. Prior to departing for England, students interviewed elementary classroom teachers in Maine about the types of modifications they made for elementary aged students with learning and behavior problems. The UMF students then worked in an elementary school in Leicester, England for eight days. As part of their work, students interviewed teachers using the same questions they asked in Maine. Comparisons were made between teachers in Maine and Leicester along the following four questions:

1. How many students do you have in your class who receive special education services?
2. What are the most common modifications you make for these students each day?
3. Describe the services one of your typical special education students receives each day.
4. Describe the level of consultation and support you get in helping you teach students with special education needs.

In the proposed presentation, students will describe their experiences in Leicester, England and discuss similarities and differences between how teachers in Leicester and Maine responded to the four questions.

11:00-11:50

Teaching in China

Peter Williams

During the fall semester of 1999 my wife Rosalie and I taught English as exchange faculty at Beijing Polytechnic University. I will share some of our experiences supported with slides. The focus will be on the students, the university and living in Beijing. There will be time for questions.

1:00-1:25

Mathematics Education in Local Elementary Schools

Peter Hardy and the students of MAT101

The mathematical knowledge, abilities and attitudes of several local elementary school classes will be compared and contrasted, with special emphasis on how students' attitudes toward math change as they progress through elementary school. Elementary school classes which were examined include Mrs. Farsaci's kindergarten class and Mrs. Hayden's third grade class from Mallett School, as well as a mixed group of fourth through sixth graders from Cascade Brook School.

1:30-1:55

Heartime Seniors Program.

Rick Drapeau, Tim Guillerault, Adam Lambert

Heartime Seniors is a program that is taught by Brian Cox at the UMF Health and Fitness Center, Monday through Friday from 8 a.m. to 9 a.m. The program is designed to give the elderly a chance to exercise and establish the type of healthy lifestyle that has been proven to help slow the aging process. The presentation will focus on prevention and health promotion efforts, participation, and evaluation of effectiveness. Future directions for the program will be explored.

2:00-2:25

**The role of xenoliths and enclaves in magma evolution;
examples from granites of coastal and interior Maine.**

David Gibson, Mary Good and Marc O'Clair

Many granitoids from the central Maine belt and the coastal magmatic province contain abundant xenoliths and enclaves. The latter are usually observed in the biotite-hornblende granites and are most likely igneous in origin. In contrast, numerous country rock xenoliths are observed in the two-mica granites from the central Maine terrain. In this presentation we will describe the various types of enclaves and xenoliths and discuss their origin and significance in the evolution of these granitic magmas.

Complete Abstracts for Venue 9: Roberts 101

9:00-9:50

The United Nations exception to "Never Again"; Genocide in Rwanda

Tiffany Maiuri, Alana Querze, Amanda

Shocked and horrified by the Nazi death camps of World War II, the international community looked to prevent further crimes against humanity, as a cry of "Never Again" reverberated throughout the world. On January 12, 1951 the U.N. Convention on the Prevention and Punishment of the Crime of Genocide entered into force, stating that "genocide is a crime under international law, contrary to the spirit and aims of the United Nations and condemned by the civilized world"(preamble). The convention morally obligates those who ratified the treaty to take action as it states "The Contracting Parties confirm that genocide, whether committed in time of peace or in time of war, is a crime under international law which they undertake to prevent and to punish."

Forty years later, the United Nations and its member states forgot about their pledge. In the 1990's the U.N. refused to act decisively to prevent, or stop, one of the clearest cases of genocidal slaughter since World War II. In doing so, the United Nations failed, shamefully abandoned its own charter in which it pledged to "save succeeding generations from the scourge of war . . . and to reaffirm faith in fundamental human rights"(preamble).

10:00-10:50

War and the future of Global Politics

Students of POS 232 (Peace, Conflict and World Order), and Scott Erb

The international system is changing as globalization and the technology revolution bring about a transformation of world politics. Just as the printing press and gunpowder over three hundred and fifty years ago helped transform European politics and create the modern state system and modern warfare, the current changes create the possibility for a vastly different future of war and conflict. Terrorism? Cyberwar? Biological, chemical or nuclear proliferation? Third world revenge? Islamic fundamentalism? We'll discuss these issues.

11:00-11:25

How States Deal With Terrorism

Robert Hassinger

This presentation will focus on how western nations respond to terrorist threats. This will include the tradeoffs between more security through greater police power and less civil freedoms that inevitably

come with such security. I will try to go through the various anti-terrorist methods, their effectiveness, and the ethics involved.

11:30-11:55

Russian Foreign Policy

Lena Fediounina, Scott Erb

Russian foreign policy has varied between strong support for the West and a nationalist/exceptionalist attempt to reassert Russian strength. Looking at Russian media, we attempt to understand what ideas and shared beliefs are driving the social construction of Russian foreign policy as we enter a new century.

1:00-1:50

World Order or a New Isolationism?

Students from POS 204, American Foreign Policy and Scott Erb

The United States is at a cross roads in determining post-cold war foreign policy. Actions against Iraq and Kosovo show a desire to build a "new world order" based on American principles of democracy, liberal capitalism, and human rights. Many however argue that this represents an over-estimation of American power and even a dangerous sacrifice of sovereignty. They suggest the US limit its foreign policy commitments, focusing primarily on specific national interest. What should the US do?

Complete Abstracts for Venue 10: Mable Hastie

9:00-10:55

Aesthetics and Politics in the Nineteenth-Century American Novel

Christopher Dumaine, "Calvinists and Savages: Narration and the Subversion of 19th Century Representations of National Identities in Lydia Maria Child's *Hobomok*"

Jocelyn Barrett, "Can a Racist Novel 'Revise Patriarchal Script?': An Examination of Race and Patriarchy in Lydia Maria Child's *Hobomok*"

Rachel Lee, "Botanical Subtext in *The Country of the Pointed Firs*"

Lisa Prosienski, "Location is Everything: Reading *Moby-Dick* in the Post-Cold War Era

Advanced English majors present their scholarly investigations of the 19th-century American novel. Each of these papers asks fundamental questions about the intersection of authors' political leanings and their fictional aesthetics; additionally, each asks not only how the authors tried to speak to and were shaped by their own historical contexts, but also how our own historical context as readers shapes our interpretations. The first two papers offer almost opposing readings of Lydia Maria Child's 1824 story of Puritans and Indians. Christopher Dumaine posits that Child's innovations in creating a complexly layered narrative voice make it a highly effective critique of early-nineteenth century racist attitudes; Jocelyn Barrett questions whether it is enough to claim that such subtle textual strategies constitute an adequately radical politics. Moving to the end of the century, Rachel Lee conducts original research into 1880s texts on medicinal herbs to reveal how Maine author Sarah Orne Jewett uses images of plants in fashioning a distinctive feminine aesthetic. Finally, Lisa Prosienski reviews the history of criticism on Melville's great American novel, including her own early-21st century reading, to suggest how all such readings are deeply informed by the historical moment that produces them.

11:00-12:00

UMF Writers Make a Scene (excerpts and scenes from UMF's fiction writers' current work)

Organized by Elizabeth Cooke; student readers: Tryfon Tolides, John Sullivan, Liz Groleau, Adrienne Russo, Dan Brunk, Sean Thibideau, Jessica Quilty, and more (also including E. Cooke, instructor)

"UMF Writers Make a Scene" features UMF writers (mostly BFA majors, plus one struggling professor), reading excerpts and scenes from their current work. These gems in the rough await polish and publication.

Complete Abstracts for Venue 11: Commons

9:00-2:00

Marathon Reading of *Paradise Lost*

Students from ENG 249 and Others

A marathon reading of Books 1-4 & 9 of *Paradise Lost* (1667), John Milton's epic poem about the fall of man, by a group of faculty and students. The portions of the poem being read include descriptions of Satan and the fallen angels in hell, Satan's flight through the realm of Chaos and old Night, speeches by God the Father and the Son in Heaven, descriptions of Adam and Eve in Eden, and the fall itself. The reading will last about five hours; symposium participants are invited to drop in at any time, for as little or as much of the reading as they like. Books will be available for those who want to follow along. Refreshments will be served.