

# **UMF SYMPOSIUM**

**April 10, 2002**

## **Schedule and Complete List of Abstracts**

**Any late changes to this Symposium program will be listed on handouts available by the Student Center mailroom on April 10.**

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## Why a Symposium?

The normal everyday life of a university has a certain inescapable logic, built on social contracts between students, faculty, staff and administration, and the center of student academic life is the exchange of work for grade. Faculty hold out As and Bs as incentive for students to go through the effort of demonstrating their learning, and students attempt to efficiently distribute their work load so as to maximize GPA. However, almost every college graduate has experienced the exhilaration of being able to learn something just 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, 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 stay in one place and learn, for instance, about controlling the fruit fly populations, or learn about the vocalizations of Chickadees. Are the gargle calls of Chickadees a function of distance? What we should know about the active ingredients in antibacterial products such as soaps and toothpaste? On the other hand, we can visit the UMF Art Gallery and view the works of graduating seniors. Listen to them discuss their processes of art making. Is Business your interest? Visit one, two, or 10 of the 26 presentations by our energetic business/economics students.

For one day, we hope to learn for no better reason than to learn, and we hope that some of that sentiment affects our interactions for the rest of the year. Come and join the more than 300 students involved in presentations.

Celebrate academic achievement and excellence!

## UMF SYMPOSIUM 2002 SCHEDULE

**NOTE:** Venues 1-5 are in the Student Center (NDH - North Dining Hall, CR = Conference Room); Venues 6, 7 are located in Roberts Learning Center; Venue 8 is in the Art Gallery; Venue 9 is in Thomas Auditorium; Venues 10-15 are in Ricker; Venue 16 is in Ricker and the Computer Ctr. (Note that 3 digit Ricker numbers are in Ricker Addition); Venue 17 & 18 are in Merrill Hall.

	Venue 1 NDH-A culture/philos.	Venue 2 NDH-B theater/fict.	Venue 3 NDH-C comp.	Venue 4 CR 123 photo/eng./society	Venue 5 Student Ctr. Lobby posters	Venue 6 Roberts C23 ps./art/soc. science	Venue 7 Roberts C131 science	Venue 8 Art Gallery art	Venue 9 Thomas Auditorium science/science ed. / Math
9:00	Fales <i>et al</i>		Darrohn	May Term 2001 ART 235 & Eng 301 Students	Gies <i>et al</i> (SET Tournament)	PSY 400 Students	Boutin <i>et al</i>		Hardy and Calculus II Students
9:25					Posters up for viewing		Artis		
10:00	Glass <i>et al</i>		Cooke	ENG 100 EDU 303 EDU 363 Students		Mason <i>et al</i>	Barden	Arsenault <i>et al</i>	
10:25	Mann <i>et al</i>						Curtis		
11:00	Swan <i>et al</i>	Simmel	Sayers	ENG 100 Students	Poster Presenters Available for questions & Discussions	Laliberte Lamoreau	Dutkiewicz <i>et al</i>	Gallery Open All Day	Traynor
11:15									Hersey <i>et al</i>
11:25									
11:30							Barton <i>et al</i>		
12:00	LUNCH	LUNCH	Legler	LUNCH	LUNCH	LUNCH	LUNCH		LUNCH
1:00	Sherman	ENG 210 Students	Wegner	Nordan <i>et al</i>	Posters up for viewing	Morrill & Nadeau	Swan <i>et al</i>		Talbot <i>et al</i>
1:25							Moore		Palmer <i>et al</i>
2:00	Morrison <i>et al</i>	Simmel	Yetter	Wardwell <i>et al</i>		Sullivan	Baker <i>et al</i>		
2:25							Marden		

**LUNCH:** From 12:00-1:00, presenters and audience members are invited to have lunch in the Student Center cafeteria, compliments of the Provost's office. This is a chance to foster community and to pat each other on the back for taking part rather than taking the day off.

Administrative heads are encouraged to arrange or reduce the day's office activities such that staff members can attend presentations if desired. Employees - if you plan to attend the Symposium and would also like to join us for lunch, please visit Sandy Lord in the Provost's office on April 8<sup>th</sup> and 9<sup>th</sup> to pick up a complimentary lunch ticket.

	Venue 10 Ricker 14 <i>comp. sci</i>	Venue 11 Ricker 15 <i>bec</i>	Venue 12 Ricker 22 <i>health</i>	Venue 13 Ricker 202 <i>early child. Edu</i>	Venue 14 Ricker 205 <i>health/rehab</i>	Venue 15 Ricker 207 <i>bec II</i>	Venue 16 Ricker 217 & Comp Ctr. 106 <i>bec III</i>	Venue 17 Merrill Hall Nordica Auditorium <i>music</i>	Venue 18 Merrill Hall <i>art</i>
9:00		Johnson	Thomas <i>et al</i>	Decker <i>et al</i>	Bell	LeHaye	Sifhole <i>et al</i>		
9:25		Gooneskere		Augustine <i>et al</i>	Nadeau	Thompson <i>et al</i>	Clark <i>et al</i>		
9:30									
10:00		Gervais	Bird <i>et al</i>	Bazinnet <i>et al</i>	Hanson	Cormier <i>et al</i>	Clark		
10:25		Moller <i>et al</i>		Brown <i>et al</i>	Staples	Ellis			
10:40				Anthony <i>et al</i>					
10:50				Beam <i>et al</i>					
11:00		Hubbard	Miller <i>et al</i>	Mosher <i>et al</i>	Flagg	Mathieu <i>et al</i>	Paine		
11:15				Brisbois <i>et al</i>					
11:25		Chaput <i>et al</i>			Chamberlain	Garrow	Peters		
11:30									
11:50									
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:15									
12:45									
1:00	Hart	Touchette	Johndro <i>et al</i>	Morehouse <i>et al</i>	Giles	Hann	Sayer ~ Room 106 CC		
1:25		Rungi		Harvey <i>et al</i>	Greeley <i>et al</i>	Wurpel			
2:00		Lancaster	Lane <i>et al</i>		DeCesare	Cleary			
2:25		Mawhimney <i>et al</i>			Miller	Yugai			
3:00			Dranchak <i>et al</i>						
4:00									Design III Students

## Venue 1: North Dining Hall - A      Culture/Philosophy

9:00 – 9:50      New Visions of Franco-Americans from the Past: a Sample of Final Projects.

Derek Fales, Kate Levin, Erin Nolan, Corey Walmer et al.

Derek Fales will read from the stories he created after interviewing an old Franco woman on the coast of Maine; Kate Levin will read a few poems inspired by the voice and figure of Jack Kerouac; Erin Nolan will read from a short story about a fictitious, modern, Franco-American family learning to hold on to their heritage; Corey Walmer will make a powerpoint presentation on a recent visit to the Bates Woolen Mill in Lewiston. One or two other students may join the group.

10:00 – 10:25      Experiences at a bilingual school in Cuernavaca, Mexico

Ray Glass, Jessica D'Angelis, Corrine Downs, Colleen Frame, Ester Franklin, Lori Lee, and Julia Malek

This past February break, six UMF students and one faculty member visited a bilingual elementary school in Cuernavaca, Mexico. In addition to working at the school each day, students lived with families and visited a number of cultural attractions. Students will discuss their experiences with the children and teachers at the school, describe the home-stay aspect of the program, and show slides of some of the scenes in and around Cuernavaca.

10:25 – 10:50      Representing Feminist Theory through Pen and Paint

Jessica Mann, Hattie Walls, Kelly Iverson, Margory Adams, Michael Danforth, Crystal Hawley, Christina Walker, Tammy Werber, Nicole Zenga

WST 330 (feminist theory) students will present a mural and spoken word performance dealing with their personal interpretations of contemporary feminist theories, issues, and/or concerns. Mural will integrate several artist mediums, including poetry, paint, etc. Those who choose to write will read poetry, personal reflections, etc.

11:00 – 11:50      Girls Talk and Teen Voices: Mentoring Partnerships Kingfield Elementary School and UMF

Kirsten Swan, Laurie Tranten, and participants from the mentor programs

"GIRLS TALK & TEEN VOICES" are nationally recognized, award winning mentoring programs between UMF and Kingfield Elementary School. Student leaders from UMF and professional women from the Kingfield area are partnered with girls in grades 5 through 8 at Kingfield Elementary School. Both programs are reading discussion programs based on humanities themes, designed to engage participants in discussions through literature, and to connect the themes to their lives. Both programs are designed to raise aspirations, build self-esteem, emphasize personal responsibility and decision making, and to create an environment that fosters a strong commitment to community. The monthly program features literature discussion groups, guest speakers, cultural experiences, adventure-based experiences, and educational experiences with no financial cost to the participants. Successful strategies, financial planning, connections to the Maine Learning Results, and potential implementation in other communities will be discussed. Meet actual participants of the programs and discover how far reaching "the lives we touch" can be extended with a little ingenuity! This will be a panel presentation followed by Q & A time.

1:00 – 1:50      Going to Assembly: The Democracy of Rousseau

Adam Sherman

A review of Rousseau's theory of participatory democracy (touching as well on Locke's theory of representative democracy) with a view towards asking (and answering) two questions: (1) Should Farmington change its present town meeting system for a representative system? And (2) Should the United States try to implement more aspects of participatory democracy? Panel and audience discussion to follow.

2:00 – 2:50      Non-Western Systems of Ethics

Rob Morrison, Sean O'Connell, Tara Wheeler, Angel Wilde, et al

These students will summarize non-Western systems of ethics and compare them to each other and to the "mainstream" understanding, as well as make observations based on their study of the history of ethical theory. Systems covered will include (at least) the Taoist, Confucian, and Jewish ones. Open discussion will follow the presentations.

## Venue 2: North Dining Hall - B                      Theater/ Fiction

11:00 – 11:50      A Walk Through Life

Peter Simmel

This non-verbal Theatre exercise is a standard in Performance classes. It is a low impact exercise that is meditative and allows for the individual to "re-live" moments in their life as a method for self actualization and serve as a foundation for assisting actors in developing characterization methods.

The exercise is guided by a facilitator who "walks" the group through various stages and moments particular to their own life. The non-verbal aspect allows the focus to be on the physical, mental and emotional element of the re-lived moment and takes away the pressure of having to vocalize as well.

The roots of this exercise are in Constantine Stanislavski's Method of emotional recall but does not require the more intense psychological level of involvement.

This exercise does not require the participant to have any acting background or other Theatre experience. Students, faculty and everyone are welcome to join in doing this exercise. The entire exercise runs about 35-40 minutes with time for approximately 10-15 minutes of post (exercise) discussion that includes ways to use it in other educational activities.

1:00 – 1:50      Short Fiction Live: The Best of the Beginning Fiction Workshops

Students from English 210

Several students currently enrolled in English 210, Fiction Writing, will read stories written this semester.

2:00 – 2:50      A Walk Through Life

Peter Simmel

A repeat of the 11:00 Theater exercise will take place, if there is sufficient demand.

**Venue 3: North Dining Hall - C                      Composition**

*See detailed schedule, which will be posted at the door on April 9<sup>th</sup>.*

All Day              The Art of Composition

Students in several English Composition classes will read their essays. See the block schedule on page 2 for details. The specific scheduling will be also posted at the venue on April 9<sup>th</sup>.

Come listen to English Composition students read their work; let yourself be surprised by the styles, the content, the words of writers who have perfected the art of writing. Readings will be in half-hour and fifty-minute blocks; check the listing of writers on Symposium day to learn of friends and students you may know who will present their work. If you want a seat, come early, though the floor will be available too.

**Venue 4: Student Ctr Room 123                      Photography/English/Society**

9:00 – 9:50      Impressions of England Expressed Through Photography and Writing

May Term 2001 students in ART 235 and ENG 301

During the 2001 May Term, 25 UMF students spent two weeks in England traveling to London, York, Oxford, Salisbury, Stonehenge, Bath, Winchester, Warwick, and Stratford-upon-Avon. Some students took a side trip to Scotland. ART 235 – Photography students will present an exhibition of their black-and-white photographs; ENG 301 -- Advanced Composition students will distribute a booklet containing some of their writing. A student panel will relate some of their experiences and respond to questions. The instructors of the courses will describe the preparations involved in planning a class which includes overseas travel.

*Note: Photographs will be on exhibit all day.*

10:00 – 10:50      Perspectives on Reading and Teaching the Novel Snow Falling on Cedars

A panel of students will convene from three different courses: ENG 100 Beginning Composition; EDU 303 Writing for Children; and EDU 363 Teaching English in Middle and Secondary School.

How have students at UMF engaged with and made sense of the One Book One Campus novel Snow Falling on Cedars, by David Guterson? Students from three different classes, ENG 100 Beginning Composition, EDU 303 Writing for Children, and EDU 363 Teaching English in Middle and Secondary School, will present papers that analyze and interpret the book as a literary work, and that investigate the book as a vehicle for teaching literature and ethics to children and young adults.



11:00 – 11:50 Writing in the "Real World": Service Learning in Composition 100

A panel of students will convene from ENG 100.

How can students in Composition courses engage with "real world" writing, and what do they learn about themselves as authors and citizens in the process? In this panel presentation, students from ENG 100 will share perspectives and experiences on "Service Learning" projects that they began as class assignments in Spring semester 2002.

1:00 – 1:50 Clueless?: Film Adaptations of Literary Classics

Gretchen Norden, Erin Nolan, Michael Johnson (moderator)

The participants on this panel will present papers on film adaptations of two novels, Jane Austen's "Emma" and Patricia Highsmith's "The Talented Mr. Ripley." Michael Johnson will act as moderator for the discussion. Gretchen Norden will present a paper entitled "Making Nice: How Directors Alter Our View of the Ripley/Greenleaf Dynamic in 'The Talented Mr. Ripley' and 'Purple Noon.'" Erin Nolan will present a paper entitled "Representing the Character Frank Churchill in 'Emma' and 'Clueless.'" "

2:00 – 2:50 Brave New World?

Seth Wardwell, Adam Berger, Joshua Glavine, Kristin Daigle, Lisa Estabrook, and Molly Harris

Students in Professor Legler's HON 277, Technology and the Soul, will be presenting research papers in a discussion panel format. These papers were written on a topic of choice concerning an issue or question relevant to discussions introduced in this class. Technology and the Soul, a seminar-style course, was designed to contemplate what changes the electronic age has had on our way of life and our involvement in society. It poses the question of how pre-electronic technologies affected life and whether or not moving into an all-electronic future will negatively affect our society and personal self. The papers discussed in this panel will involve various topics concerning this argument between technology and the soul, and range from the definition of technology to new age hygiene to the impact of cell phones on the youths of society.

## Venue 5: Student Center Lobby

## Posters and SET Tournament

9:00 - 12:00 First Annual UMF SET tournament

Coordinated by Paul J. Gies

Students, faculty, staff and members of the community are invited to take part in UMF's first-ever SET tournament. SET is a game of pattern recognition and mental speed that is played in an increasing number of schools as an enriching mental activity. A small prize will be provided by the coordinator out of his own limited funds.

Poster #1 Inclusive Classrooms

Nicole Bazinet

This poster display will show various aspects of an inclusive early childhood classroom. I will be available to answer questions and discuss the curriculum of SED 374 in depth.

Poster #2      Inclusive Curriculum for Toddlers

Julie Gauvin

The environment for which young children develop and enhance their skills is important. Environments for young children need to support children of all abilities. The poster created for this presentation will display a comprehensive approach to an inclusive environment for young children. Components to be addressed include a list of classroom rules, daily schedule, parent communication, and a layout of the classroom environment.

Poster #3      Inclusive Classroom for Head-Start

Kristy Phinney

This poster displays various components of an inclusive early childhood classroom. The learning environment, scheduling, behavior management, and developmentally appropriate activities will be emphasized.

Poster #4      Inclusive Curriculum for First Graders

Teasha Bell

The poster presents a comprehensive approach to an inclusive environment for children. Some components to be addressed include; positive behavior guidelines, daily schedule, indoor/outdoor environment and a communication example with the parents.

Poster #5      Service-Learning and Teaching Science to Children

Nicole Davis, Holly Lidstone, Jenny Luukko, Nicole Murphy, Darcy Pinkham, Dawn Robertson, Laura Shaw, Donna Driscoll (Director of Franklin Child Care), Cheryl Bell (Instructor)

Seven students from one section of the science methods class are involved in a service-learning in teacher education project, funded by a grant from the Maine Campus Compact and the Corporation for National Services. The project involves the development of a science center at the Franklin Child Care program located in Farmington, collaborating with staff, designing and implementing age-appropriate lessons, and reflecting on these experiences.

Students will share their experiences in the preliminary stages of the project through pictures, narratives, and written reflections.

Poster #6      Geographic Techniques in Economic Development

Erika Jones and Tanya Dunn

This presentation will focus on an on-going project between the Greater Franklin Development Corporation and UMF geography students. The relationship between geographic techniques and economic development will be the primary focus. For example, the creation of interactive maps for Franklin County in order to aid prospectors with relocating businesses to the area. A brief history of Greater Franklin Development Corporation, and applications of GIS, Arc View 3.2, and GPS will also be addressed.

Poster #7      Research Seminar in Sociology/Anthropology (SOC 400) (3 posters)

Ashley Andrews, Ben Bowen, Joanna Dodge, Loni Gervais, and Andrea Muise

Students in SOC 400 will present their analyses of data drawn from various samples of the General Social Survey, 1972-1998. The major questions studied include the following: How Safe Do I Feel Walking Around My Neighborhood? Who gets arrested? Is A Woman's Place in the Home?

Poster #8      Experiments in Physiology (4 posters)

Erica Haywood, Carolyn Shorey, John Hctor, Sim Meak, Robert Nielsen, Amanda Lewis, Josh Pescosolido, Emily Atwood, Alyson Pontbriand, and Colleen Szymczuk

Students in BIO 323 General Physiology have been conducting laboratory experiments to explore topics such as the function of nerves, muscles and the cardiovascular system. Working in small groups, the students will give a series of poster presentations detailing their work:

Erica Haywood & Carolyn Shorey: Properties of Frog Nerve Action Potentials

John Hctor, Sim Meak & Robert Nielsen: Varying Tension in Frog Skeletal Muscle

Amanda Lewis & Josh Pescosolido: Electrical and Mechanical Activity of Frog Heart

Emily Atwood, Alyson Pontbriand & Colleen Szymczuk: Human Cardiovascular Function

Poster #9      Petrography and Geochemistry of Felsic Dikes from the Eastern Margin of the Mt. Waldo Pluton, Coastal Maine

Aaron Despres and David Gibson

At the eastern margin of the Mt Waldo pluton ( $371 \pm 2$  Ma, Stewart et al., 1995) a number of felsic dikes intrude the country rocks, i.e. the Ordovician age Penobscot formation. It is unclear whether these dikes are related to the intrusion of the Waldo granite or if they represent a different phase of felsic magmatism in the area.

The dikes are a distinctive light blue-gray color and contrast markedly with the black, rusty-weathered sulfidic schists. They have a fine-grained, equigranular texture and are extremely leucocratic ( $CI < 10$ ). The dikes contain both muscovite and biotite with Tourmaline common in many hand specimens.

Possible origin of these dikes include - 1) Offshoots of the chilled marginal facies of the Waldo pluton. 2) Late stage aplites from the Waldo granite. Some Waldo aplites do contain minor amounts of tourmaline but only secondary muscovite. 3) Apophyses from the nearby the two-mica Wallamatogus pluton which outcrops just 2 - 3 km to the east across Penobscot Bay. Geochemical analyses of these various rock types should help us constrain more definitively the origin of these felsic dikes.

**Venue 6: Roberts C23**

**Psychology/Social Sciences/Art**

9:00 - 9:50      Changing Faces, Changing Learning: Variables Related to Effective Teaching

PSY 400 Students: Chelan Ames, Stacey Augustine, Morgan Campbell, Kim Dionne, Beverly Dunst, Sarah Folsom, Ester Franklin, Allison Frazer, April Hall, Debby Maguire, Joe Nelson, Danielle Page, Leonard Rams IV, and Dr. Susan A. Anzivino (moderator)

Students will summarize their group research projects that explored factors hypothesized to be related to teaching effectiveness at the college level. The variables included the following: Traditional and nontraditional students'

view about what makes an effective college professor, different lecture styles, gender of teachers and learners, physical attractiveness, and tenure. The studies were conducted during the current semester at UMF.

10:00 - 10:50 Divas, Depots and Development: Maine History as U.S. History

Chris Mason, Steven Akeley, Jason Mitchell

Events in western and northern Maine suggest that Maine's history offers important comparisons to broader trends in U.S. history. Chris Mason argues that internationally-known diva Lillian Nordica from Farmington was America's "first native-born operatic superstar." In his study of the Narrow Gauge Railroad in northern Franklin County, Steven Akeley provides insights into the economic decisions of rural Maine that resulted in the construction and eventual unsustainability of the railroad. Finally, Jason Mitchell shows us how Greenville's promotion of a tourist economy capitalized on its natural environment even as the logging industry made its own inroads into the Maine woods.

11:00 - 11:10 Diffusion of architectural technology throughout Central America.

Lorie Laliberte

The presentation is in the form of a Microsoft Powerpoint document and an accompanying paper. The topic of discussion covers the diffusion of technology throughout the indigenous peoples of Central America. More specifically, the presentation addresses architectural influences within the Maya civilization; what peoples came before the Maya civilization shaping its architecture, how the architecture changed across the timeline and areas where the Maya lived, and how the Maya continued to impact the architecture of civilizations that followed the downfall of Maya culture. The presentation is based upon books, articles, comments, and illustrations researched using library and Internet resources. The central focus of the presentation identifies and traces the flow of architectural styles as viewed in the pyramids and ballcourts that are a common thread within many of the civilizations that have lived in Central America over the last 2500 years. This presentation has been prepared for either an academic or layperson audience.

11:15 - 11:30 The Cookie Cutters of Politics: an Analysis and Criticism of Maine's Election Districts

Kevin Lamoreau

I have decided to come out of the closet. I've given hints before, but I've never come straight out and said it. I am a political junky. I spend inordinate amounts of time checking out the latest on candidates, posting liberal messages on a conservative web site (<http://www.asmainegoes.com/>), sending e-mails asking for information so I can send more e-mails or, my biggest obsession, working on redistricting plans. It is that which I intend to discuss in this mini-essay.

Maine has only two congressional districts, so congressional districting is fairly easy relative to most states, and relative to legislative redistricting. Even that is challenging. One plan I have made moves more of Kennebec County into the Second District (which needs to gain territory). Another plan, proposed by a fellow poster at As Maine Goes, moves Knox County and a couple towns in Lincoln County into the Second District while moving all of Kennebec back into the First. I've also worked on some plans for other states, but many of them have already adopted plans. (Maine is lazy; it waits until 2003 to redistrict itself).  
That's all folks.

1:00 - 1:50      Mock Trial: Korematsu v. United States (1944)

Wade Morrill, Ashley Nadeau

Was the internment of Japanese-Americans during World War II constitutional? This was a critical question before the U. S. Supreme Court in 1944, and it remains one of the most controversial cases in Supreme Court history. Two students in Professor Jim Melcher's Constitutional Law class, Wade Morrill and Ashley Nadeau, will debate the question in a mock Supreme Court trial based on the facts of the original case. The audience will have the opportunity to ask the "attorneys" on both sides questions and to vote as a mock "Supreme Court" at the end.

2:00 - 2:50      Slide Talk: Ten Women Artists that have a Maine Connection

Barbara Sullivan

I propose to present a slide talk consisting of the work of ten Maine women artists. The talk will be varied in the way that these ten artists connect through their work to Maine. Some are only summer residents, others live here year round. Some of the work is community based, some is political, some is very personal. A few are elderly and famous. Others are little known.

This talk hopefully will elicit questions from both students and faculty who are interested in Contemporary Maine Art and in the Maine art scene. It will also be informative and entertaining.

## Venue 7: Roberts C131

## *Science*

9:00 - 9:25      A determination of whether irradiation or chemical exposure is the most effective method of sterilization in male *Drosophila melanogaster*.

Patricia Boutin, Jennifer Ireland, Deena Bean

Insecticide use has increased dramatically in recent years in order to protect commercial crops; however, this practice has created great concern for human health. Because evolution of insects has allowed mutations to develop resisting many of the insecticides used in today's society, a new method of insect control must be initiated. Sterilization is an alternative approach to releasing chemical insecticides into the environment. The goal of this project is to determine if known methods of fly sterilization are effective in controlling fruit fly populations. It is hypothesized that fruit flies surviving the initial sterilization procedure will be unable to produce viable offspring.

9:25 - 9:50      A comparison of gargle calls emitted by Black-capped Chickadees (*Parus atricapillus*): island versus mainland

Marian Arris

Bird song has been studied extensively since it has an important communication function among birds. Birds typically have regional variations in song characteristics such as syllable structure and delivery pattern. These vocalizations can be inherited, learned, or invented. The importance of imitative learning in song acquisition of young birds leads naturally to local dialects. Chickadees have a large repertoire of differing song complexes. One of these is the gargle call which is a complex vocalization with several song-like properties. Each bird has a repertoire of differing gargles and the repertoire may vary in size among birds. Differences in gargles have been noted in populations of chickadees as close as 5.7km apart. The purpose of this study was to examine the gargle call

of resident Black-capped Chickadees on North Haven Island to those populations found on the mainland at Camden Hills State Park and Union, Maine and to examine if a difference in gurgle calls is a function of distance or physical barriers.

10:00 - 10:25     Determination of Lead and Cadmium in Honey.

Anna Barden and Aubin White

As a class project for Instrumental Analysis (CHY 392), trace amounts of lead (Pb) and cadmium (Cd) were determined in various brands of honey by Anodic Stripping Voltammetry. The analysis method will be outlined, and data from various honey sources will be compared to determine if trace element composition could possibly be used to locate the honey's point of origin.

10:25 - 10:50     The Effects of Chlorine and Hydrogen Peroxide on Viability of Bacterial Strains

Kendall Curtis and Carol Later

Research has revealed that waterborne bacterial strains of *Escherichia coli* and *Vibrio rumoiensis* have adapted an ability to survive in the presence of increasing levels of chlorine and hydrogen peroxide in public water supplies. The goal of this project is to compare bacterial presence and resistance in samples taken from poor quality and outstanding quality lakes. It is hypothesized that those samples taken from the poor water source will show an increased resistance when compared to those taken from an outstanding water source.

11:00 - 11:25     Triclosan: What You Should Know About Your Antibacterial Products

Jacquelyn Dutkiewicz, Joshua Blackstone, Suzana Martinovich

The active ingredient in most antibacterial products today is Triclosan. This antimicrobial is an effective tool in eliminating many strains of bacteria found in the home and work place. Because of triclosan's effectiveness it has prompted heavy use in many products such as hand soaps, lotions, toothpaste, and has even been impregnated into items such as cutting boards and high chairs. However, it has been found, in lab research, that some bacterial strains are capable of forming a resistance to triclosan. Some studies have also suggested that bacteria that have formed a resistance to triclosan have also formed a cross-resistance to some commonly used antibiotics. The goal of this research project is to determine if resistance to triclosan can be found in bacteria collected from the environment around us, and if a resistant strain is found, to then determine if a cross-resistance to antibiotics has occurred.

11:30 - 11:45     Escape of the Killer Plants: Invasive Woody Plants in Western Maine

Dr. Drew Barton, Lauri Brewster, Annie Cox, Ryan Moore, Nancy Prentiss, Pamela Prodan

Exotic invasives are non-native species with potential for rapidly invading and altering native ecosystems. Although they are a major threat to biodiversity worldwide, invasives have only recently gained attention in Maine (as a result of Eurasian milfoil). Because of its northern climate and remoteness, Maine is at the edge of invasion, providing us a chance to monitor and prepare. The goal of this faculty-student-community collaboration is to quantify the presence of potential invasive exotic woody plants in the Farmington area. We sampled for 15 potential invasive species along 24 kms of transects on roadsides, field edges, railroad right-of-ways, and the Sandy River. We found woody invasives along all 17 transects, with a total of 10 species and 194 separate patches. The three most common species were Common Buckthorn, Japanese Knotweed, and Morrow's Honeysuckle. The most heavily infested transects were along the river. Invasives were more frequently associated with weedy tree species (e.g., aspen) than others, but occurred both in the open and under moderate shade. Anecdotal observations suggest that many of these

invasives originate from yard plantings. The results suggest the potential for damage to native habitats in the Farmington area but also possibilities for reducing future impacts.

1:00 - 1:25      Analysis of Gasoline by Gas Chromatography

John Swan et. al.

As a class project for Instrumental Analysis (CHY 392), various grades of gasoline from several local vendors was analyzed for methyl tert-butyl ether (MTBE), iso-octane, and toluene by gas chromatography. The analysis method will be discussed, and the quantitative data obtained will be related to the octane rating and role of oxygenating additives in gasoline.

1:25 - 1:50      Building Green: goals, features and common terminology of sustainable building

Ryan Moore

"'Green building': Through an open and inclusive process, to produce an environmentally sustainable structure which promotes a high level of human health and productivity at a low cost for the benefit of everyone, now and in the future."

How will UMF apply these concepts to our new education center? This presentation will define some important terminology and strategies, as well providing two useful models of green building.

2:00 - 2:25      Bathymetric and Milfoil Mapping Using GPS/GIS Technology

Ken Baker, Katherine Gosselin, Trina Graybill, and Dan Buckley

This past summer, three UMF work initiative students within the Department of Natural Sciences spent their time creating Bathymetric and Milfoil maps for local lake associations, the Auburn Water District, and Maine's Department of Environmental Protection. They worked with Dr. Dan Buckley on this project collecting geographic and depth data using high definition Global Position System (GPS) technology on board a boat provided by UMF's Archeological Research Center. Once the GPS data was collected for individual lakes, it was brought to the Spatial Ecology Lab in Ricker hall where it was processed and downloaded into the Geographic Information System (GIS) software Arcview. Previous depth maps published using Department of Environmental Protection data typically consisted of a lake outline with 200-300 depths listed as points. In contrast, we collected in excess of 10,000 depths from known locations on the lake (typically our horizontal accuracy was within .5 m. The resulting maps provide much more accurate information about lake depths and volumes, as well as a mechanism to track the spread of variable milfoil in infested lakes. Incorporation of this type of data into lake investigations is the future of lake management and water quality protection

2:25 - 2:50      Generation of Alkaline Phosphatase Mutants in *Caulobacter crescentus*

Jeremiah Marden

In all cells the distribution of most proteins is far from homogenous. The study of how proteins are differentially trafficked to various locations within the cell is important in many areas of research, including drug development and cancer therapy. I interned in a microbiology lab at Indiana University during the summer of 2001 that uses the bacterium *Caulobacter crescentus* as a model for studying cell cycle control and protein trafficking. Bacteria offer a simplified model for research, having genomes that are easily manipulated and short proliferation times.

In bacteria, enzymes called alkaline phosphatases allow for organic forms of alkaline phosphatase to be used when the preferred inorganic form is limited in the environment. The purpose of my research was to determine

if this enzyme shows localization in *C. crescentus*. Due to time constraints, the scope of my research was restricted to confirming the function of the three genes thought to code for alkaline phosphatases in this organism. Through the use of standard molecular biology techniques, I successfully generated knock-out mutants for each gene and performed preliminary biochemical assays on the mutant strains to determine if these genes indeed code for alkaline phosphatase.

## **Venue 8: UMF Art Gallery *Art***

10:00 - 11:00 Art in Process (*Gallery will be open all day*)

Amanda Arsenault, Kathy Bouquet, Natasha Haugen, Saskia Haugen, Shanna McNair, Jessica Reed, Michael Webster; faculty advisor Sarah Maline

UMF graduating seniors will present their work in the 2002 senior show at the UMF Art Gallery. They will discuss, and in some cases demonstrate their processes of artmaking.

## **Venue 9: Thomas Auditorium *Science/Science Ed./Mathematics***

9:00 - 11:00 Calculus in Action

Dr. Peter Hardy and his Calculus II students

Students currently enrolled in Calculus II will present examples of the use of calculus in the modern world. Some of the topics presented include the design of the St. Louis Arch and Golden Gate Bridge, carbon dating of human remains, determination of chemical reaction rates, forensic examination of bullet trajectories, the reflective parabolic headlight, containment of nuclear waste and the optimal size and shape for a can of soup. This will consist of a series of 5-10 minute presentations.

11:00 - 11:25 Teaching To Learn

Lauren Traynor and Craig Dilman

The purpose of this presentation is to describe how collaboration between the Department Of Education and the Department Of Natural Sciences can benefit middle/secondary science majors as they work towards becoming professional science teachers. A pilot project involving Dr. Terry Morocco (Chemistry) and Dr. Grace Eason (Environmental Science and Education), will illustrate how education students can gain additional hands-on experience in the lab setting as well as the pre-lab process. This presentation will outline how an upper-level general chemistry experiment can be reworked and presented to non-science majors in a foundations of environmental science course. The process of formulating a lab is a very long and difficult one and this presentation will show what was done to accomplish this task. Lauren Traynor and Craig Dilman, who are both majoring in secondary physical science, will share their experiences in applying what they have been learning in their content area and education classes and describe the process of how to go about teaching the content. This experience gave them a "behind the scenes" look at the process that most students rarely see and may take for granted.



11:25 - 11:50 Unit Lesson Plan in Genetics

Ryan Hersey, Keith Farr, Peter Brigham

Our presentation will consist of a high school biology genetics unit. It will be a ten to twelve lesson unit made up of lectures, labs, quizzes, a test, along with various benchmarks. The unit will include a detailed lesson format plan with objectives, assessment, multiple intelligences, etc. The presentation will demonstrate the use of MLR, Benchmarks, and NSES Standards in the lessons. The unit will also show the use of UMF initial certificate standards for student teaching. This presentation will allow education students, as well as others, to develop an understanding of how to incorporate technology into a science classroom.

1:00 - 1:25 Hydrogen Power

Jordann Talbot, Nate Morse, Ann Hickman, Ben Blood, Erin Rogers, and David Broussard

This presentation describes hydrogen fuel as an alternative fuel source for power. It focuses on options for transportation, electricity generation and home heating, including issues of technological feasibility, financial supports and constraints, policy implications and implementation options. Our presentation examines human impact and the ways in which hydrogen benefits the environment. It also looks at international, national, and local models currently available or in development.

1:30 - 4:00 Selected Biographies of 19th and 20th Century Mathematicians

Sarah Palmer, Valerie Suffron, Katie Johnson, Melissa Rioux, Susan Hastings, Caleb Richard, Christine Adams, Adria Bradford, Patty Woodbury, Melissa Clark, Joel Weber, and Jeremiah Hackett

Teams of HON 212 Evolution of Mathematical Thought students will be presenting biographies of mathematical figures loosely paired by life span as indicated below. Each presentation is 20 minutes.

"Charles Dodgson and Sonya Kovalevsky" by Palmer and Suffron

"Emmy Noether and Henri Poincaré" by Johnson and Rioux

"Alfred N. Whitehead and Bertrand Russell" by Hastings and Richard

"George Pólya and Grace Hopper" by Adams and Bradford

"Kurt Godel and Maurits Escher" by Woodbury and Clark

"Benoit Mandelbrot and Sun-Yung Alice Chang" by Weber and Hackett

**Venue 10: Ricker 14**

**Computer Science**

1:00 - 2:00 How to Build a PC

Jesse Hart and Matthew Teece

A step by step presentation of the assembly of a personal computer. From parts (motherboard, CPU, memory etc) to a fully functioning computer with an OS ready install. We will guide the steps to putting the hardware together in a simple, fun, easy way. In addition to this we will break the computer down in terms of the components and what they really do.

## Venue 11: Ricker 15

## Business/Economics I

9:00 - 9:25      Psychological Aspects of Marketing

Pam Johnson and Dennis Wood

Our Power-point presentation is going to cover the psychological aspects of marketing. Specifically, the element of color and how it is used in ad campaigns in order to persuade target markets to buy their product. We are going to present specific examples of this technique that will demonstrate the importance of color in marketing. The presentation will also include an analysis of popular ad campaigns that companies are doing today, so that the listener can get a feel for how it effects them on a personal level.

9:25 - 9:50      The Euro

Ramesh Goonesekere and Thierry Le Costoec

In our presentation, we will discuss about the Euro, the new European single currency, that was introduced on January , 2002. We will explain what the Euro is and what it means to the European people. The talk will also feature its history, its regulations, comparative statistics, and show how the Euro can affect the international trade and economy.

10:00 - 10:25    Subliminal Advertising

Loni Gervais and Trevor Olivadoti

This presentation will examine the controversial and ethically questionable practice of subliminal advertising. Subliminal advertising is the directing of marketing communication to customers below their conscious level of attention. Essentially, it is directly advertising to the unconscious portion of the consumer. This presentation will address a number of specific issues such as the ethics of bypassing free will and also gender stereotyping.

10:25 - 10:50    Enron

John Moller, Kelley Maines, and Dacri Gibbs

From a lack of systematic oversight, Enron was the seventh largest U.S. corporation that imploded. To examine this downfall, we will begin with a chronology of Enron's rise and fall. We will then examine what when wrong, based on Andersen's lack of separating internal and external auditing functions, the S.E.C. and other regulatory bodies. We will conclude by examining what effects this will have on investor confidence in the stock market in general; i.e. accounting, shareholders, and employees.

11:00 - 11:25    The GE Way

Adam Hubbard and Sven Bartholomew

In this presentation we will discuss Jack Welch and his company GE. Jack Welch is famous for forging the boundaryless organization, harnessing people for competitive advantage, and pushing service and globalization for double digit growth.

11:25 - 11:50 What is Six Sigma?

Jeff Chaput, Heidi Doucette, Kiersten Kise

Sigma is a standard deviation. Six Sigma is a statistical quality control method. It was developed by Motorola in the mid 80's and has been adapted by many leading corporations. It was adopted by GE as a major quality control method which reduces inefficiency and increases Total Quality Management giving it a significant competitive market advantage.

1:00 - 1:25 Cyber Ethics

Brookes Touchette and Jennifer Tripp

Cyber ethics deals with the emergence of new legal, moral and ethical problems. Some of the ethical issues addressed will be hackers, what to do about the downloading of copyrighted music, as well as other ethical concerns.

1:25 - 1:50 The 22 Immutable Laws of Marketing

Matt Rungi and Ted Deinnocentis

This presentation will explain brand and branding. It will also explain why branding is one of the most important parts of marketing. The presentation will explain Al Ries' The 22 Immutable Laws of Branding, and discuss, with examples, how the laws of branding can create a competitive advantage.

2:00 - 2:25 A "Beautiful" Equilibrium

Adam Lancaster

People's choices in respect to benefits are based on the rationale of what they expect the other person to do. John Nash is accredited with arriving at such a theory as the previously stated. This is the idea of the "Nash Equilibrium." This equilibrium describes a situation that is transactional not discrete meaning that with every action taken there is a resulting impact on another set of events. Expected behavior is being created and optimization must be a central focus.

2:25 - 3:15 Kora Temple Shrine: Student Service-Learning Project

Brian Mawhinney, Luke Hiebert, Corey Ellis, John Moller, Shane Genakos, Jim McCaskill & guests speakers: Kora Temple Potentate Pat MacFarland, Chief Rabban Mike McFadden, Recorder Dick Pulkkinen

Students have been consulting and advising the Kora Temple Shrine in Lewiston, ME on increasing membership, building utilization, and event revenues. We will present what we have done and are currently doing. Guest speakers will give brief history of Kora Temple Shrine and field questions from audience. Will further explain the joint effort between the two groups towards achieving set goals of initial meeting.

## Venue 12: Ricker 22

## Health

9:00 - 9:50      Wholesome Homes Service Learning Project

Melinda Thomas, Lindsey Feeney, Shelby Goodrow, and Judith Peary\_Adams

This presentation will be an informational session describing our project for HEA 411. We are creating and implementing a nutrition awareness program for the Health and Fitness Center, targeting parents and people of parenting age. We will discuss our needs assessment findings, socioeconomic correlations, and our plans for what our project will attempt to accomplish (goals and objectives). We will also discuss our event at the HFC's 10th anniversary celebration, which includes healthy recipe tasting, and possibly a water bottle give away.

10:00 - 10:50      Work Site Health Promotion Program for the Franklin County Health Network

Jeff Bird, Jessica Couture, Ann Hickman, and Justin Genschel

ECHO (Educating Corporate Health Organizers) are doing a service learning project for the Franklin County Health Network businesses as part of HEA 411, Health Education Planning class. The purpose of this presentation is to discuss the projects focus, which is on work site health promotion. ECHO's goals for this project are to assess the needs of the employees and employers, and to implement a work site health promotion program for the Franklin County Health Network (FCHN). ECHO will be doing a social assessment looking at perceived health needs of the FCHN community, behavior, lifestyle and environmental factors. ECHO will also conduct educational, social and physical assessment. As well as conduct an administrative and policy assessment. By doing the needs assessments, the ECHO group will find what topics the employees think are most prevalent to them. These topics may include things such as cancer, stress management, and smoking cessation. The next phases of ECHO's project consists of implementing a work site wellness program, and then do a series of evaluations.

11:00 - 11:50      At Your Cervix Campaign

Stacey Miller, Devon Giles, Hannah Simpson, Karrie French

Our project developed from our Health Education Planning class, Hea 411. The purpose of our symposium is to report on our project, At Your Cervix Campaign. The projects aim was to increase awareness of the Health Center services and the availability of Plan B, emergency contraception, using the PROCEDE/PRECEED model of planning.

1:00 - 1:50      HEA 100 Assessment Tool

Steven P. Johndro, Michelle Veayo, Bethany McCallum, and Megan Woodcock

PowerPoint presentation discussing the need for HEA 100 on the UMF campus and assessment tool created to analyze the knowledge of HEA 100 students prior to their entrance into HEA 100.

2:00 - 2:50      R.A.Y.S. Recognizing and Approaching Youth Suicide

Megan Lane, Jenna Smith, Erin Rogers, and Sue LeDoux

Please come and join the UMF prevention promoters to discuss, create, and understand youth suicide and depression. As Health 411 students at UMF, we will be presenting a session on teenage suicide prevention through

a role playing scenario in which students will identify at risk behavior for suicide and depression. The role playing scenario will follow a 10 minute discussion/information session about suicide and depression. As a closing activity, we will be having students express feelings and emotions in relation to the topic by cutting out words and pictures from magazines and other materials.

3:00 - 3:50      Dude I am so T.R.A.S.H.E.D. (Taking Real Approaches to Safe and Healthy Educated Drinking)

Sarah Dranchak, Rachel Smallidge, and Danielle Morin

The group T.R.A.S.H.E.D. will be presenting a video that they have compiled to be shown in the HEA 100 classes and for the S.H.A.R.E program. The video will take the approach to show the second-hand effects of alcohol (people baby-sitting, someone puking in your car, someone trashing your place). The video was made to give the students a different look at how alcohol does not just affect the person drinking but others around them.

### Venue 13: Ricker 202

### Early Childhood Education

9:00 - 9:25      How To Care For Your Colicky Baby

Bonny Decker, Julie Gauvin, Amber Mitchell

This parenting workshop will provide information on how to care for your colicky baby. We will explain what colic is, offer ways to soothe and comfort your colicky infant, and provide helpful information on how to get through this stressful time. This workshop will be interactive and will include a question and answer session.

9:25 - 9:50      Raising Your Child in a Violent World

Stacey Augustine, Janice Bouford, Heather Gaudet, Sarah Wishart

We are holding a workshop that provides both parents and teachers with resources and information on how to deal with violence within our society. There will be discussions on various aspects of violent situations that children may be exposed to.

10:00 - 10:25      Creating the Family Store: A Service Learning Project by the Students in ECE 440

Nicole Bazinet, Angela Blaise, Nicky Cayford, Jennifer Champion, Mellisa Clawson, Tonia Cohn

Students enrolled in the Fall 1991 course, Families and Child Care, wished to apply their learning and address the difficulties faced by adolescent parents and their children. A collaborative relationship was developed with Kerr House, a local facility that provides housing, education, and parenting assistance to teen mothers. Kerr House wished for an on-site store which would (a) help residents learn financial management and (2) provide residents with clean clothing, quality books and toys for children, and other supplies. In response, students engaged in tasks such as fund-raising, construction, interior design, furniture repair, clothing preparation, and book and toy selection. During this seminar, students will describe their learning from this project and use slides, photographs, and video to demonstrate how they created The Family Store.

10:30 - 10:40 Little Politicians

Callie Brown, Tina Bonnevie, Sara Michaud, and Sarah Rideout

As students in the Social Science for the young Child class (ECE 232), we did a Service Learning project with a Government theme. We began by allowing the children to develop their own appropriate rules for the group and their definitions of respect. They joined us for a puppet show based on the book, *We Share Everything*, by Robert Munsch. They created their own puppets with several different materials. WE also had story and circle time. Our goal was to encourage the development of cooperative learning skills through interaction with each other.

10:40 - 10:50 Economics in Everyday Life for the Young Child

Liz Anthony, Stephani Hebert, Beth Lewis, and Linda Wyman

This semester for ECE 232, we developed a Service Learning project involving eleven children from surrounding communities covering economics. To help children learn about economics, we read a book that introduced a few basic concepts related to our topic. The children continued with a "wants and needs" board, and ended with a creative connection to the book. We based all activities on the Maine Learning Results for kindergarten and first grade.

10:50 - 11:00 A Geographical World

Jamie Beam, Amanda Fowlie, Heather Holman, Nichole Page, and Amanda Seavey

Five members of ECE 232, Social Sciences for the Young Child, used knowledge from the Maine Learning Standards, to present a group of children with the fundamentals of Geography. The children were introduced to the seven continents through stories, songs, and interactive activities. By becoming involved with children from the community, much was learned about the facilitation of classroom discussions to promote social studies.

11:00 - 11:10 An Exploration of Children's Histories

April Mosher, Tia Sidelinger, Erin Clyatt, Crystal Higgins, Jes Lord, and Kelly Hebert

During our Service Learning project for ECE 232, we collaborated with children to document their histories of growth and change. The children created short autobiographies, collages of "then and now", and explored different age and career related clothing. Come learn about our Saturday Express experience of teaching children their histories.

11:15 - 11:45 Creative Activities for Young Children (Held in UMF Nursery School)

Danielle Brisbois, Mellisa Clawson, Mandy Davis, Lacey Palmer, Brianne Pascal,

Creativity in young children should be valued and promoted. However, creativity often is stifled early in life, as children are given structured crafts in which uniformity and following directions are emphasized. Creativity is enhanced only when activities are hands-on, process rather than product oriented, open-ended, individual, and fun. This interactive seminar combines these criteria of creativity with the fine arts. Participants will engage in active learning by trying various creative activities involving visual art, music, and movement.

1:00 - 1:25 Talking to your children about sex.

Amelia Morehouse, Amanda Emery, Teasha Bell, Melanie Ward

The topic of sexuality in young children can be uncomfortable for parents and educators alike. This workshop is designed to provide information about the following topics; appropriate touch, where babies come from, nudity, masturbation and teaching children words for their body parts.

1:25 - 1:50 Reading With Young Children

Angela Harvey, Susan McFarland, Kristy Phinney, and Alison Ridley

Parents, teachers, and many other people interact with children through books. This presentation is about reading with children and will address the following: benefits of early reading, when to begin reading with children, selecting age appropriate books, follow up activities, tips, advice, and resources.

## Venue 14: Ricker 205

## Health/Rehabilitation

9:00 - 9:25 In Your Best Interest

Diane Bell

This presentation will cover involuntary commitment treatment and restraints. Recipient's rights written to protect and give persons with mental illness rights until the "experts" decide to take them away.

9:25 - 9:50 Just Say YES to Psychotropic Drugs

Nicole Nadeau

There are many reasons that people with mental illness may act in an aggressive manner. The presentation will show that psychotropic drugs are prescribed to stabilize or improve mood, mental status or behavior.

10:00 - 10:25 The ABCs of Fragile X.

Marjorie Hanson

This presentation will give information about the most inherited cause of mental retardation; Fragile x. It affects both males and females and can be detected even before a child is born.

10:25 - 10:50 Recreation and Rehabilitation: The Silent Partners

Levi Staples

Adventure and Recreation Therapy are two types of rehabilitation for persons with disabilities. The activities prescribed by counselors and therapists can have lasting effects on people. This presentation will discuss the ever-lasting effects of recreation and its therapeutic values.

11:00 - 11:25 àhta nēva nēkti witakéhkimekew. àhtama† àhtama†

Kristen L. Flagg

Exclusion of cultural aptitude in academics promotes disconnection with education. This presentation will show how cultural omissions inhibit some Native American students from thriving academically.

11:25 - 11:50 Just Do It...Early!

Bryana Chamberlin

This presentation will explain why it is important to intervene at an early age with children who are autistic. Late intervention can hinder the child developmentally, and it can also hinder the family unit.

1:00 - 1:25 Sexual Encounters: Lasting Impressions

Devon Giles and Jean Morse

Sexual partners can leave a lasting impression, especially when Sexually Transmitted Infections (STI's) are involved. This presentation will focus on the transmission, symptoms, prevalence and treatment of Chlamydia and Genital Herpes. The goal of our presentation is to educate people about the importance of using preventive methods, identifying the signs of STI's, who is at risk, and who should seek medical attention. We will talk about behavioral change methods needed to facilitate a reduction in the prevalence of STI's among college students.

1:25 - 1:50 Breastfeeding: The Whole Picture

Carolyn Greeley, Stacey Miller, Karrie French

This presentation will describe the benefits of breastfeeding, and the programs available in Maine which support and promote breastfeeding.

2:00 - 2:50 Date Rape

Lisa DeCesare and Crystal Hicks

This presentation will describe the substances used in date rapes including MDMA, GHB, Ketamine, ecstasy and alcohol. The effects of these drugs will be described, both when used alone and in combination with other drugs, as well as street cost and availability. There will be information about prevention of date rape, including party precautions. Legal issues and statistics will be included.

3:00 - 3:25 MDMA and Hallucinogens

Nathan Miller and Nichole Greene

MDMA, most commonly known as 'ecstasy' is a synthetic drug that has been around since the early 1900's. In the later part of the twentieth century hallucinogens and ecstasy have become widely abused. LSD became popular among the counter culture of the sixties and MDMA has shown the same abundance of popularity in the nineties. These drugs are tested and believed to be useful for medical purposes although dangerously adverse effects can not be ignored.



## Venue 15: Ricker 207

## *Business/Economics II*

9:00 - 9:25      Product Placement on the PGA Tour

Matt LaHaye and Ricky Blouin

This presentation will focus on the various placements of products and company names on the PGA Tour. There will be discussion about their importance from the marketing perspective. The benefits for the players, companies, and the PGA Tour will also be a main focus for the presentation.

9:25 - 9:50      Marketing In Vietnam

Lianne Thompson, Vihn Le, and Amy Green

Our focus will be on Marketing in Vietnam. The presentation will be divided into three parts.

1. Basic Country facts
2. An examination of the people of Vietnam (to understand tastes and preferences)
3. Finally we will talk about the actual marketing in Vietnam, we will talk about the marketing mix of; product, price, place and distribution.

10:00 - 10:25    Business Etiquette

Allison Cormier, Mandy Lamson, and Ashley Tillson

Abstract: Our Presentation is intended to prepare college students to enter the work force. It will show proper etiquette techniques that are necessary for success in the business world. Topics to be discussed include: corporate dress, self-presence, proper conversation, and general business etiquette techniques.

10:25 - 10:50    The Job Interview and Improvisation

Corey Ellis

Many people look at a job interview with fear and dread. Although, it is important, it can be something to look forward to. By correctly marketing yourself, you can have a successful interview. Using techniques, such as improvisation, you can be prepared for that interview and, hopefully, score big!

11:00 - 11:25    Practical Business Ethics

Megan Mathieu, Tim Perkins, and Kelly Mailhot

Maslow's Hierarchy of Needs along with Kohlberg's Theory of Motivation will be used to analyze Kohlberg's concept of moral development. In theory, as one becomes increasingly self-actualized, the morality of an individual also becomes more sophisticated. Self-actualization does not constitute a higher level of education. Enron will be used, as an example, to express how education is not a guarantee of morality.

11:25 - 11:50    Baseball and Contraction: A Marketing Dilemma

Kris Garrow and Cooper Willard

The attempted contraction of the Minnesota Twins, Montreal Expos, and Florida Marlins. Based upon revenues, not quality of the teams. The uncertainty in promoting the season from January 1st up until the Minnesota court case. Baseball will be examined from the Marketing Mix perspective of product, price, place and promotion.

1:00 - 1:25      How to Create an Effective Webpage to Market Your Product

Morgan Hann and Loring Giles

This presentation focuses on how to design an effective website to market your product. Several tips, examples and methods to create a powerful webpage. Items to be included are content, user friendliness, and our top 10 webpages.

1:25 - 1:50      Customer Service as Competitive Advantage in the Banking Industry

Kristin Wurpel

The presentation will demonstrate the importance of customer service through the concepts of Michael Porter, W. Edwards Deming, and other well known business theorists: Porter's ideas of competitive advantage, Deming's Total Quality Management, and CRM and the ideas of relationship marketing. Finally, local banking shall be analyzed by their attempts to distinguish themselves from their competition.

2:00 - 2:25      The 22 Immutable Laws of Marketing by Al Ries and Jack Trout

Donald Cleary and Regina Phillips

Discussing The 22 Immutable Laws of Marketing and reasons why this book is essential in the business world. Ranging from Law of Perception to The Law of Candor. Laws that many people do not follow. Ries and Trout discuss essential Laws to follow for any successful business person.

2:25 - 2:50      Marketing Myopia: A Paradigmatic Analysis

Elena Yugai, Morgan Wallace, and Anastasia Garcia

Thomas Kuhn's Book "The Structure of the Scientific Revolutions" has had an enormous impact on almost all branches of the academia. The concept of paradigms and scientific revolutions, though intended to explain the development of science, found nearly universal applications, as they essentially dealt with the sociology of knowledge. Marketing Myopia, an article by Theodore Levitt, is analyzed using Kuhn's model; and also the applications for the field of marketing are discussed.

## **Venue 16: Ricker 217 and Computer Ctr 106      *Business/Economics III***

9:00 - 9:25      Managing Chaos

David Sithole, Ilya Bossov, James Perkolidis, and Shane Genakos

In today's fast paced environment, strategic decision makers have to cope and deal with change on a regular basis. Scientific revolutions explain the nature of ever-shifting paradigms, which can be applied to any business as they are

to the field of science. In particular, the nonlinear and linear patterns in Chaos Theory can potentially help us make decisions in the field of strategic management.

9:25 - 9:50      Internet Security

Chris Clark, Amanda Spry, and Tony Russel

In our Symposium we will be discussing some of the issues pertaining to Internet Security, more specifically how it relates to E-Commerce. Areas of discussion will be the major problems with Internet Security and steps being taken to solve them. Items such as Firewalls, VPN'S, and Digital Certification will be examined, along with the ever popular concern of credit card transactions over the net.

10:00 - 10:50      Steel Import Tariffs

Bo Clark and Chris Gorham

An overview of the Steel Industry and how it has changed over the past six weeks. It will analyze the terms, guidelines, and agreements of the steel tariffs that have been recently imposed by President Bush. What the short and long term effects of this public policy will be.

11:00 - 11:25      Substantive Torts & Negligence

Sarah Paine & David Sithole

We will be presenting a symposium on torts with a specific concentration on negligence. Our plans are to overview both substantive torts & negligence leading into court cases which demonstrate negligence. Presenters will be providing additional websites for further research.

11:25 - 11:50      Sexual Harassment in the Work place

Tom Peters and Steve Bazinet

This presentation will provide a brief history of the origin of Sexual Harassment in the work place and its public policy evolution. It will discuss the different forms of Sexual Harassment and policies to follow in prevention of Sexual Harassment. It will conclude with comment upon the expense of Sexual Harassment to all parties involved: employers, employee, coworkers, and the company as a whole.

1:00 - 1:25      Business Economics    Note shift of venue: *Room 106 in the Computer Center*

Nick Sayer and Derick Warner

T-V-M video presentation

This presentation will be a video demonstrating the Time Value of Money applicability using the Microsoft Excel/Spreadsheet program. A Power Point will be given to review basic formulas that we will apply to the Excel program.

## Venue 17: Merrill Hall, Nordica Auditorium

## *Music*

9:30 - 11:00 Forum Presentation: Beethoven

Steven Pane, Dan Godbout, Robert Morrison, Kate Reid, and Terrence Edwards

More than any other composer, Ludwig van Beethoven revolutionized the style, aesthetic, and role of music in society. The presentations examine Beethoven's contribution from a structural and philosophical perspective. The featured works are the *Appassionata* Piano Sonata, a duet from the opera *Fidelio*, and "An die ferne Geliebte," a song cycle for baritone and piano.

- 9:30 - 9:50 Presentation 1: "A Structural Analysis of Beethoven's Sonata in F minor, Opus 57, *Appassionata*" Speaker: Dan Godbout
- 9:50 - 10:10 Presentation 2: "Why Beethoven is not really a Romantic" Speaker: Robert Morrison
- 10:10 - 10:35 Performance 1: Beethoven's Sonata in F minor, Opus 57, *Appassionata*, Steven Pane, pianist
- 10:35 - 10:45 Performance 2: "Jetzt, Schätzchen, jetzt sind wir allein" from *Fidelio*, Kate Reid soprano, Terrence Edwards baritone, Steven Pane piano
- 10:45 - 10:55 Performance 3: "An die ferne Geliebte", Terrence Edwards baritone, Steven Pane piano

11:00 - 11:30 Student Compositions and Performances

Stephanie Davis, David DiSarro, Dan Godbout, Ramesh Goonesekere, Kate Reid, Emily Reinholdt, and Philip Carlsen

A showcase of work being done by UMF music students. Stephanie Davis, David DiSarro, Dan Godbout, and Kate Reid, students in the music theory class, will present compositions they have written for clarinet, cello, and guitar. In addition, Ramesh Goonesekere and Emily Reinholdt, piano students of Lily Funahashi, will perform solo works by Beethoven and others.

12:15 - 12:45 UMF Wind Ensemble Performs

Karen Beacham

The University of Maine at Farmington Wind Ensemble, which is comprised of approximately 50 woodwind, brass and percussion instrumentalists, will be performing a Noonday Concert, Wednesday, April 10 at 12:15 pm. The concert will be conducted by Karen Beacham. Light favorites for band such as Strike Up the Band by George Gershwin, Lassus Trombone by Henry Fillmore, and a beautiful arrangement of The Star Spangled Banner arranged by Jack Stamp are included on the program.

## Venue 18: Merrill Hall Tour

## *Art*

1:00 - 2:00 Merrill Hall Art Installations (*guided tour, see meeting location below, don't be late*)

Students of Design III

For the past month the students in ART 230 Design III have been designing and constructing site specific works of art for Merrill Hall. Please join a guided tour of the installations by the artists.

*Meet on the front steps of the Merrill Hall, If poor weather, meet in the basement hallway.*