

UMF SYMPOSIUM

April 16, 2003

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 16th.**

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The Fifth Annual UMF 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 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 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 war in the Iliad to Microbiology. An attendee can follow a thread of ideas from venue to venue, or stay in one place and learn all about recent scandals in the corporate world from ENRON and WorldCom to Martha Stewart. How do existing laws affect business practices? Interestingly, you will find quite a number of presentations addressing these corporate scandals. Or visit the UMF Art Gallery, view the works of graduating seniors, and listen to them talk about it. How would you like to view a screening of a locally produced movie? This year we also include auditions for the senior speaker at this spring's graduation.

On this 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!

Symposium 2003 Schedule

Please note that the scheduled times do not always match up exactly with the time intervals in this block schedule. Check the Abstracts for the exact start time.

	Venue 1 NDH-A <i>Alt Energy</i>	Venue 2 NDH-B <i>Hum/Edu</i>	Venue 3 NDH-C <i>Misc</i>	Venue 4 CR 123 <i>Reading/Photos</i>	Venue 5 Student Ctr. Lobby <i>Posters/SET</i>	Venue 6 Roberts C23 <i>Psych/Math</i>	Venue 7 Roberts C131 <i>Misc</i>	Venue 8 Art Gallery <i>art</i>	Venue 9 Thomas Auditorium <i>science</i>
9:00	Erb <i>et al</i>	Biello <i>et al</i>	K. Swan <i>et al</i>	Exhibit of Photographs	Gies - SET Tounney	Heller <i>et al</i>	Posters Hea 100	Gallery Open All Day	Aft Award (9:00)
9:25	Densmore <i>et al</i>			and	Posters up for viewing	Geraw (9:15)	Bryant		Hagenbuch <i>et al</i> (9:10)
10:00	Stancioff	Reeves	Beam <i>et al</i>	all day English composition reading		Godbois (9:30)	Darrohn <i>et al</i>		Pontbriand <i>et al</i>
10:25	Moore Seachange	Glass							Later <i>et al</i> (9:40)
11:00	Uphadyaya <i>et al</i>	Robert	Duncan <i>et al</i>		Poster Presenters available for questions and discussion	Derochers <i>et al</i>			Atwood <i>et al</i>
11:15	Roundtable					Psych Research class	Senior Speaker Auditions		Stetkis <i>et al</i> (10:15)
11:25		Deschaine <i>et al</i>							Blackstone <i>et al</i>
11:30									Nielsen and Meak
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH		Pescosolido <i>et al</i> (11:15)
1:00	Phy 100 Posters	Easler	Eng 310 reading	English comp continues	Posters up for viewing	Hardy <i>et al</i>	McShane <i>et al</i>	Senior art students present	Haywood
1:25		Bousquet <i>et al</i>							
2:00	Clawson <i>et al</i>	Clawson <i>et al</i>	Clawson <i>et al</i>			Woodcock			Brewster <i>et al</i>
2:25			Rosen and Coffin			Shorty			Swan
									Brown
									Russell

LUNCH: You are invited to "Almost a Free Lunch!" from 12:00-1:00, in South Dining Hall. Tickets will be on sale outside the doors of the dining hall starting at about 11:30. The price for the tickets is \$2.00.

	Venue 10 Ricker 14 <i>comp. sci</i>	Venue 11 Ricker Stair <i>Geology</i>	Venue 12 Ricker 15 <i>Bus/eco I</i>	Venue 13 Ricker 22 <i>Bus/eco II</i>	Venue 14 Ricker 207 <i>Bus/eco III</i>	Venue 15 Ricker 217 <i>Health</i>	Venue 16 Nordica Auditorium <i>music</i>	Venue 17 Alumni Theatre <i>Theatre</i>	Venue 18 The Commons <i>Theatre</i>
9:00		Geology Time Line (all day)	Cormier <i>et al</i>	Dickson <i>et al</i>	Picott <i>et al</i>				
			Perkins <i>et al</i> (9:20)						
9:25			LaHaye <i>et al</i>	Paine <i>et al</i>	Davis			Baymore <i>et al</i> (9:30) "Return Engagements"	
10:00			Mailhot <i>et al</i>	Nile <i>et al</i>	Swanson <i>et al</i>	Agreste <i>et al</i>			
10:25			Anthony, Russell Dave <i>et al</i>	Olivadoti <i>et al</i>	Hall	Lisa, Josh Yoshi and Heather			
10:50			Kelley <i>et al</i> (10:55)						
11:00	Teece		Zhang (11:10)	Picott <i>et al</i>	Mawhinney <i>et al</i>	Cavacas <i>et al</i>	Pane <i>et al</i>		
11:15									
11:25			Callahan <i>et al</i> (11:35)	Hill <i>et al</i>	Olivadoti	Albert <i>et al</i>			
12:00	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:15			Giles <i>et al</i>	Castle <i>et al</i>	Wandell	Brittill <i>et al</i>	Gutekunst <i>et al</i>		
1:00		Geology Time Line (all day)	Mitchell <i>et al</i> (1:15)	Kelley <i>et al</i>					
			Neault <i>et al</i> (1:30)	Dufort <i>et al</i> (1:35)	Poulin	Genest <i>et al</i>			
1:25			Willard (1:45)						
			French	Nile	Scerbo				
2:00				Kittrege	Pulkkinen				
2:25									
3:00									Marenburg <i>et al</i> (2:30) "Stars Falling"
4:00									

Venue 1: North Dining Hall – A Alternate Energy Forum

9:00 - 9:25

Wind Energy-A renewable resource

Katherine Erb, Tracie Morrow, Ellen Randall, and Wendy Witham

Although the use of wind as a source of power is not a new concept, it is becoming an ever more appropriate option for electricity. With the current situation in the Middle East, alternative sources of energy need to be more regularly utilized. Being a non-polluting, free, renewable resource, energy generated from the wind is promising to be a more suitable alternative to other highly polluting energy sources. Wind power has met with some opposition ranging from concerns about death of birds to loss of aesthetic qualities in the areas of wind farms. Join us in assessing the availability, usefulness, and opponents, as well as other issues involved with power from the wind.

9:25 - 9:50

Hydrogen: The energy source of the future.

Abigail Densmore, Mandy Damon, Mandy Wood, Ben Blood, and Nate Galeota

The hydrogen fuel cell is a revolutionary technology that many national and international companies are exploring as a means of energy production. In our presentation, we plan to examine the technology behind the production of the hydrogen fuel cell, its advantages and disadvantages as an energy source, use inside and outside the U.S., and its feasibility as a resource in the state of Maine. Hydrogen fuel cells are a renewable energy source that may help increase self-sufficiency by reducing fossil fuel use. The utilization of fuel cells may in fact help reduce pollution and help transition to more sustainable methods of energy production.

10:00 - 10:20

Energy for Space Heating: What Does "Efficiency" Really Mean?

Paul Stancioff

Usually "efficiency" is defined as the simple ratio of the output to input of a device. For example, an electric motor uses a certain amount of electrical power to perform a task that requires some amount of mechanical power. The efficiency is defined as "Efficiency = (Power out/Power in)". According to the law of conservation of energy, this efficiency can never exceed 100%. In the case of real electric motors the efficiency is typically 90-95%, which sounds pretty good. However, when considering energy uses in our everyday lives the simple definition of efficiency tells only part of the story. What is the "global efficiency" of energy usage? For every 1000 BTU's in the raw form of crude oil or coal in the ground, how many make it to the electric motor? We will show that while an electric heater is 100% efficient in the first sense it is less than 10% efficient in the "global" sense.

10:20 - 10:30

Energy Usage in the New Education Building

Ryan Moore

We will give a brief overview of the energy systems in the planned education building. The systems will be described and some of the results of the architect's models will be presented.

10:30 - 11:00

Alternative Energy Roundtable Discussion

UMF SEACHange

Members of UMF student group, SEACHange, will host an open discussion of the world energy future, based on the discernable potential of alternative and renewable fuels, and stimulated by the connection between international politics and global oil dependency. Information presented in the previous evening's Biodiesel Fuel lecture by Don Hudson of Chewonki Institute will be drawn upon, and reference will be made to other Symposium presentations in the Alternative Energy venue. Audience participation will be encouraged, with the goal of identifying strategies to shift society away from over-reliance on fossil fuels.

11:05 - 11:15

Presenting the Internet Home of UMF's Green Campus Consortium

Pratigya Uphadyaya & Ryan Moore

A tour of the new website, "Green Explorations," the internet home of UMF's Green Campus Consortium. On these pages you'll find information about upcoming events and recent developments in campus sustainability as well as specific information about our campus, green buildings and green government.

11:15 - 11:45

Using the New Education Building as a Teaching Tool

Roundtable Discussion

How can the "green design" of the new education building be used as a teaching tool?

1:00 - 2:00

Alternative Energy: Which Way to the Future?

The students of Foundations Physics

Students in the three sections of Foundations Physics will make group poster presentations on various alternative energy modes. Topics will include wind power, natural gas, photovoltaic cells, hydropower, geothermal energy, hydrogen fuel cells, solar heating, and nuclear fusion. (*Posters will be up all day. Students from the class will be available during the 1:00 to 2:00 hour*)

2:00 - 2:25

Internship, Student Teaching, and the Senior Portfolio

Mellisa Clawson, Mandy Davis, Amy Porter

In three simultaneous sessions (North Dining Hall rooms A, B, C), a panel of current interns/student teachers will describe their teaching semesters and the development of their senior portfolios. Early Childhood Education (Birth to 5) is featured in Session A, Elementary and ECE (K-3) in Session B, and Middle/Secondary Education in Session C. Sample portfolios will be available to view, and panelists will offer insights into what students can do early in their academic careers to enhance the teaching and portfolio experiences.

Venue 2: North Dining Hall – B

Humanities/ Education

9:00 - 10:00

Perspectives on War and Human Life in the Iliad

Peter Biello, Travis Lowe, Stephanie Macuga, Erin Sproul, Laurel Tomanio

A panel of short papers on the Iliad, examining topics such as rage against the gods, Achilles's realization of his weakness and mortality, the idea of a good or noble death in battle, and the interplay between human and divine forces at the end of the poem. Since the Iliad is western culture's first attempt to grapple with war and the meaning of human life in a sustained way, the papers may have some relevance to our current situation. The panel will conclude with "The Anger of W.," a poem about the conflict with Iraq written in the style of the Lattimore Iliad

10:00 - 10:25

UMF Wartime Sentiment

Seabren P. Reeves III

This symposium presents and analyzes UMF student opinions on the Iraq War and compares the findings with the views held by other college campuses, our nation, and our past generations. While recent wartime polls conducted by the Gallop Organization have shown a significant percentage of Americans support of the Iraq War, the opinion on college campuses across the country appears much different. How do the opinions of UMF students compare with those held at colleges throughout the United States? How do UMF students compare with our very national opinion? How do these trends compare with public and collegiate sentiment during the Vietnam War?

10:25 - 10:50

Spanish Immersion Program in Cuernavaca, Mexico

Raymond Glass, Traci Demuth, Melissa Gray, Chris Monaco, Tessa Parmenter, Matt Thomson, Aishah Williams

This past winter-term, seven UMF students and one faculty member participated in a two-week Spanish immersion program in Cuernavaca, Mexico. Participants will describe various aspects of the experience including the home-stay program, daily language instruction, visits to cultural sites, and plans for a similar trip next January.

11:00 - 11:25

Hawaiian Slide Show

Mike Robert

I spent the fall semester on the North Shore of Oahu, Hawaii. While I was on the island I surfed, traveled around and took many pictures. This presentation is a slide show of some of my pictures set to music. Come sit back, relax, and enjoy the sights of Hawaii.

11:25 - 12:00

The Le Mans Experience, How to survive and thrive in a foreign culture.

Rebecca Deschaine, John Rodney, Phoebe Plourde-Rogers, Jennifer McNamee, Patrick Quinn

Highlights of our experience studying abroad in Le Mans, France. With powerpoint, we will use a series of photos and stories to illustrate our multifaceted explorations and discoveries of european culture. Open discussion will follow the presentation.

1:00 - 1:25

Gender Differences in Middle Level Education

Jonathan Easler

Simply put, boys and girls learn differently! This presentation will explore the biological differences between young adolescence girls and boys. Using that information, ideas will be offered on how middle level schools and classrooms should set up in order to maximize learning for both boys and girls.

1:25 - 1:50

Civic Engagement and Elementary Education

Stephannie Bousquet and Kerry Boulanger

The Youth Vote Coalition Website contains information on the statistics of college age voter turnout in past elections. The Coalition has found a disturbing trend of diminishing numbers of college age voters who have an interest in voting. This could be a potentially devastating problem, and as future educators we are concerned. We as educators need to make a conscious effort to encourage interest in civics and government at an early age in order to reverse this growing trend of disinterest. However, engagement in civics and government instruction is a sadly neglected part of the curriculum for elementary students. With this presentation we hope to demonstrate that this can be a vital and important part of the elementary curriculum.

2:00 - 2:25

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Venue 3: North Dining Hall – C

Miscellaneous Topics

9:00 - 9:50

Girls Talk and Teen Voices Mentoring Program

Kirsten Swan, Laurie Tranten, Lynne Eustis

The University of Maine at Farmington's GIRLS TALK and TEEN VOICES programs are humanities based reading and discussion programs. They partner student leaders from UMF and professional women from the Kingfield and Phillips communities with girls in grades 5 through 8 at Kingfield Elementary School and grades 5 and 6 at Phillips Elementary School. These programs have received national recognition for their innovative and collaborative approaches. During this presentation we will share how one can replicate this program in

other communities, how to use literature to address themes important in the lives of young adolescents, how to finance these programs and how these programs relate to the Maine Learning Results standards. This will be a panel discussion format and you will hear from some of the Kingfield and Phillips mentees.

10:00 - 10:50

Students' Point of View: Service-Learning at UMF

Jamie Beam, Danielle Bourassa, Marian LeDoux, Christine Mangiapia, Michael Praschak, Matthew Prindiville

"It held my attention unwaveringly; it was challenging, yet worthwhile at all times." -UMF Student in HTY 104
"I see how one person can make such a difference." -Education Major
The students on our panel have all done Service-Learning as part of one or more of their courses. They will share their experiences with the audience and discuss how Service-Learning has embellished class learning, met a community need, and contributed to their personal growth. At the end of the presentation the panel will be open for questions and answers. This is a great presentation for students and faculty interested in Service-Learning as well as for those who may never have heard of it.

11:00 - 11:50

Telling Their Stories: Successful Women Business Owners in Western Maine

Alison Duncan, Crystal Hawley, Christine Mangiapia, Shelli-Jo Peltier, Marge Adams

The Telling Their Stories project is a partnership between UMF's Women's Studies Program, Western Mountains Alliance, and Coastal Enterprises, Inc. This year it has sent six students out into the Western Maine region to gather stories from women who run successful businesses, including newspaper publication and a holistic health practice. The oral histories the students are writing will contribute to the production of a book, a website and a statewide conference on the contribution of women business owners to the economic and social landscape of Maine. The students' multimedia presentation will introduce their audience through words and images to the remarkable women collaborating with them on this project.

1:00 - 1:55

A Story To Tell: Advanced Fiction students from Fall 2002 read their work.

ENG 310 Students

Presented by Pat O'Donnell and five members of English 310. Five students will each read part or all of a story written that semester.

2:00 - 2:25

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2:30 - 2:55

Homelessness and ME

Dora Rosen and Amanda Coffin

This workshop focuses on causes of homelessness and how homelessness is present in Maine. Participants will become better aware of what causes homelessness through an interactive activity and discussion. They will also learn more about homelessness in our state and our community through a short PowerPoint presentation.

Venue 4: Student Center 123 *Readings/Exhibit*

All day Composition Writers Read

English Composition Students

A day of readings by Composition students. Come and listen to essays that raise honest questions about life, philosophy, literature, the way people think, and more.

Exhibition Exploring Light

Tyson Bourassa, Lauren Conohan, Bradley DuBois, Sam Dy, Morgan Hann, Eric Hathaway, Aleana Hooper, Rachel Mooney, Aaron Wallace, Elizabeth Zeigler

Students in FIA 277 have been investigating the physical properties and aesthetic impact of light in both natural and artificial light situations. We are pleased to present an exhibition of black-and-white photographs featuring some of our work. (*This exhibit will remain on display in CR123 well after the symposium*)

Venue 5: Student Center Lobby *Posters and SET Tournament*

All Day The Second Annual UMF SET tournament

Paul J Gies

SET is a game of pattern-recognition that has already gained a significant following among UMF students, faculty and staff. Success at SET requires concentration, the ability to spot patterns quickly, and the ability to keep track of four different types of pattern at once. The format for the tournament will be single elimination, with first-round byes if necessary decided by lot. Each game will match two players against each other, and will be overseen by a dealer who will also be the judge of what's a set. A prize, paid for out of the pocket of Paul J Gies, will be awarded.

All Day
Academic Work Creative Uses of Computer Center Services: Surprising Ways in Which We Support

Heather Ahern Huish and Lisa Poulin

Come find out some of the creative ways in which faculty and students are using existing Computer Center services in their academic work. From student web projects to field trips with digital cameras to consultations, you'll be able to learn who's done what and how.

Poster #1 Oxygen Isotope Analysis of Snowfall in Farmington, Maine

Jessica Baldwin, Ruth Hill, and Alex Longoria

Abstract: Understanding present climate mechanisms helps make sense of past climate records and may enable us to predict future climate changes. In the atmosphere, the isotopic components of water are fractionated due to physical, chemical, and biological processes. Analysis of stable isotopes in precipitation is a useful tool for understanding snowstorm events. Data obtained from the ratio of heavy (O18) to light (O16) oxygen isotopes may be indicative of the moisture source, vapor pressure and temperature during storm formation. Snow samples were taken at the following locations: 1. Hourly over a single storm event at Holly Road. 2. All storm events from two snowpits on Mosher Hill (elev. 610 m) 3. and two snowpits at Prescott Field-UMF (elev. 110 m) Due to adiabatic effect we anticipate finding fractionation between differing elevations and variations between layers. The isotopic signals obtained may reveal temperature changes throughout storm events. These isotopic signals should reflect known climate records.

Poster #2 Global Climate Change: Indications from Local Tree Records

Mark Russell, Richard Hosford, Jennifer Elliott

In order to gain a thorough understanding of past climate change, it is necessary to review data from a long range of time (past few hundred years to millions of years). This study involved data collection by examining cores removed from trees (birch, white pine, hemlock) found at the Flint Woods and Mosher Hill areas of Farmington. Since age of a tree and environmental conditions of the generative year determine width of a tree ring, we are interested by widths and dates of rings from the samples. Comparing ring date with ring width can provide insight into the climate record for any particular year. From the tree core data graphs were constructed to compare and correlate the gathered information. Through this method of interpretation we can see the variance in tree growth which may be representative of alterations in temperature and available moisture during that period of time.

Poster #3 Distribution, Petrography and Chemistry of Rapakivi Feldspars in the Mt. Waldo Pluton, Coastal Maine

Michael Choate and David Gibson

The distribution, petrology and chemistry of the rapakivi feldspars distributed throughout the Mt. Waldo Pluton was analyzed in this study in order to determine their petrogenesis and the evolution of the pluton itself. The formation of rapakivi feldspars has been assigned to a number of processes such as 1) decompression during magma ascent, 2) syneusis 3) megacrystic growth and 4) magma mixing. The distribution of rapakivs in the Mt. Waldo pluton and their composition may suggest that they were formed as a result of repeated thermal inputs at lower levels in this magma chamber. An exposed example of a rapakivi forming environment is present in the co-mingled zones observed in the lower parts of the Vinalhaven pluton (Wiebe and Hawkins, 2000) where rapakivi feldspars are particularly abundant. Rapakivi feldspars (and enclaves) were subsequently distributed throughout the chamber by thermally induced convection.

Poster #4 Origin Of Garnets From The Peraluminous North Jay Pluton, West-Central Maine. Magmatic Or Xenocrystic?

Day, Krystle J. and Gibson, David

The North Jay Pluton (NJP) is located in west-central Maine and crops out over an area of approximately 30km². The preliminary bedrock map of the Farmington 7.5 minute quadrangle (Pankiwskyj, 1978) suggests that the NJP is post-tectonic as it crosscuts the local Silurian country rocks (Sangerville formation). Garnet occurs as a minor phase in many of these two-mica granitoids, including the North Jay, the focus of this study. The garnets in the NJP could have originated from a number of possible sources. They could be metamorphic, xenocrysts, or xenoliths representing deeper crustal levels, and therefore restite in nature. Electron microprobe data, including compositional maps and profiles for garnets from the NJP, its pegmatites and xenoliths along with data for the country rocks and geothermometry calculations should help us constrain their origin.

Poster #5 Paths of Polar Wandering

Peter Biello

What would happen if the north and south poles suddenly moved if earth suddenly started rotating on a different axis? Some scientists think that the earth used to rotate on a different axis due to polar wandering. What are their arguments? What are the alternatives? What would earth have looked like?

Poster #6 Experiments in Physiology

Chris Bailey, Ken Baker, Deena Bean, Peter Brigham, Keith Farr, Paul Harriman, Karen Lamay, Carol Later, Andy Marble, Brian Trogon

Students in BIO 323 General Physiology have been conducting laboratory experiments as a means of exploring various course concepts. Working in small groups, the students have prepared four posters summarizing their experimental findings: Compound action potentials in the frog sciatic nerve Properties of skeletal muscle: frog gastrocnemius Neural control of crayfish claw closer muscle Electrical and mechanical activity of the frog heart

Venue 6: Roberts C23 Psychology (am) / Math (pm)

9:00 - 9:15 Are False Memories Easier to Implant in People with High Self-Esteem?

HELLER, S. L., GODBOIS, S. B., & BILLINGSLEY, A. J.

The DRM procedure is commonly used to elicit associations between the recall of words on a presented list and related words not on the list (false memories). Typically, participants report equivalent levels of confidence for words not presented than for those that are. In addition, people who score higher on measures of self-esteem have demonstrated inflated confidence of their own abilities, self-attributions in particular. This study attempts to describe the relationship between self-esteem and both the frequency of and confidence in the incidence of false memories.

9:15 - 9:30

Seeing vs. Hearing: The Effects of Stimulus Modality on False Memory

Geraw, A. E., Zimmerman, H. D., & Chase, B. A.

Visual and auditory stimuli are commonly reported to be processed differently by the human memory, especially in short-term-memory. However, little is known about the storage of information in long-term-memory by modality. Research using the DRM procedure infers that the organization of long-term memory is accessed by word recall of related lures. The present study examines the effects of presentation modality (visual vs. auditory) on the incidence of false memories in a sample of college students.

9:30 - 9:45

The Relationship Between Self-Esteem, False Memory and Presentation Modality

Godbois, S. B., Geraw, A. E., Heller, S. L., Zimmerman, H. D., Billingsley, A. J., & Chase, B. A.

The present study examines the relationship between self-esteem, false memory and presentation modality.

10:00 - 10:50

Computer Animation -- A Variety of Learning Applications -- Flash

Kate Derochers, Mike Hughes, Candace Beesley, Marilyn Shea

Computer animation was used to illustrate stories and to help students learn numbers in a second language. Flash MX from Macromedia was used to create a dual language (Chinese-English) version of Snow White and several other stories for intermediate language learning. Three on-going projects will be presented. Computer animation applied to learning problems in any field can show process, changes, and actions and include a bit of fun.

11:00 - 11:50

Got Adjustment?

Psychology Research Methods Class

Group presentations will examine variables thought to be related to college adjustment. All participants in the studies were current UMF students. Topics include personality variables, parents' marital status, Zodiac signs, and conformity. Which of these factors do you think affect your college adjustment? Come and find out!

1:00 - 2:00

Geodesic Geometry

Peter Hardy and his MAT304 class

Straight lines on the Euclidean plane are easily understood and illustrated. We will examine what it means to be "straight", or geodesic, on other geometrical surfaces such as the cone, cylinder, sphere, pseudosphere, hyperbolic plane and torus. We will then challenge some of the common Euclidean theorems concerning parallel and intersecting lines, angles and triangles.

2:30 - 2:55

Cryptography/Cryptanalysis

Sarah Woodcock

Do you know what the following secret phrase says? LXVN UNJAW JKXDC LAHYCXPJYQH! Have you ever wondered how countries secretly communicated with their allies during times of war? Are you intrigued by the Morse Code? Have you heard of the windtalkers? Would you like to learn how to encrypt a message for a

friend? If all this interests you then please come listen to a presentation about cryptography by Sarah Woodcock on Symposium Day.

2:00 - 2:25 A Borrowing We'll Go, A Borrowing We'll Go, Heigh-Ho the Dairy-O, A Borrowing We'll Go

Luke Shorty

There are n people arranged in a circle. Some have credit (a positive number) some have debt (a negative number). If people with debt earn enough to cover their debt from each of their neighbors will we ever reach a time when no one has debt (If Borris is at -5 and earns 10 he is now at 5 but each of his neighbors is down by 5)? Come and find out at this exciting and breathtaking talk, it will be a good time had by all!

Venue 7: Roberts C131 *Health/Health Posters/UMF Academic Integrity Code/*
Speaker Auditions/ Film

Poster Display Personal and Global Health Issues in the 21st Century

Health 100 Class

On behalf of instructors and students in HEA 100 this semester, we invite all members of the UMF community to view one requirement of this Foundation course. This assignment presented during Symposium Day illustrates just one example how the use of Blackboard technology can assist in the course's ability to nurture intellectual interactions among small groups of students despite HEA 100's total student enrollment. Approximately 350 students will be presenting poster board displays located in Lincoln Auditorium and North Dining Hall. Throughout this semester, groups of approximately 3-5 students each have been engaging in weekly, online research discussions using the latest Blackboard Technology. Research topics have addressed issues relative to the field of public health, critical for the promotion of personal and global health and prevention of disease. Selective group topics include: Alcoholism, Alzheimer's Disease, Anemia, Anorexia, Arthritis, Asthma, Bipolar Disorder, Breast Cancer, Bulimia, Cervical Cancer, Colon Cancer, Deforestation, Depression, Diabetes, Emphysema, Fetal Alcohol Syndrome, Heart Disease, Hepatitis, HIV/AIDS, High Blood Pressure, Lung Cancer, Lyme Disease, Obesity, Osteoporosis, Ovarian Cancer, Pelvic Inflammatory Disease, Prostate Cancer, Rickets, Schizophrenia, Seasonal Affective Disorder, Skin Cancer, Stroke, Suicide, Teenage Pregnancy, Testicular Cancer, and Water Pollution. One element to their research is for each student group to apply terminology germane to the field of epidemiology, focusing mostly on data relevant to the prevention of disease. Each group is required to apply the following concepts through their poster display: (1.) Etiology of this disease, disorder or condition. (2.) Incidence and prevalence of the disease, disorder or condition (3.) Physiological or psycho/social impact of this disease/disorder to the affected individual or to society (4.) Preventive strategy(s) and cite level-primary, secondary, or tertiary, (5.) Political repercussions or costs of this disease, disorder, or condition to society (6.) Accuracy, Creativity and professional presentation and (7.) Citations (primary sources). HEA 100 students are also required to evaluate the posters displayed by their peers.

9:30 - 9:55 Results of Pretest in HEA 100- An Assessment of General Health Knowledge
Among First Year UMF Students

Dr. G. Lea Bryant

As promised during the faculty workshop for general education this past January, an assessment tool was created and administered to all 350 student enrolled in the Foundation's course, HEA 100 Health Promotion and Wellness. Reflective of major standards and principles outlined in the Maine Learning Results for the area of health education, this pretest was administered this semester on the first day of class. A total of 43 multiple choice questions were posed, examples include: "What is the most treatable form of mental illness?"; "What is the number one cause of death in the United States?"; "What days are the most fertile during a woman's menstrual cycle?"; "What is the most prevalent sexually transmitted infection in the United States?" And the ever-popular---"An infant passes through which of the following structures during childbirth?" Please attend this short session and discover the results to these and other questions to this student assessment.

10:00 - 10:50 The UMF Code of Academic Integrity: What it means for you

Chris Darrohn, Ken Orosz, Karen Barrett

On this day when we celebrate academic excellence, we unveil the new Code of Academic Integrity. In this workshop, we will explore what academic integrity means to participants and introduce a new campus-wide policy.

11:00 - 11:50 Senior Students Auditioning for Commencement Speech

Interested Senior Students

Senior students will be presenting a short 5 minute essay to be judged for commencement. Their experiences at UMF will be shared at this session.

1:00 - 2:00 "The Mesannie Wilkins Story", A Locally Produced Film

Kevin McShane and JP Fortier

Come to a screening of our locally produced film, "The Mesannie Wilkins Story". This is a 25-minute film that details the dilemma of Mesannie Wilkins of Minot, Maine in 1955. Her doctors gave her 2 to 4 years to live, her last living relative died, and the bank was about to repossess her farm. What did Mesannie Wilkins do? With true Maine gumption, she bought a reject summer camp horse and with \$32.00 in pickle harvest money, she, her horse and dog set off for California. 7,000 miles and twenty-five months later she made it to the Pacific Ocean. On the way, she met Andrew Wyeth, was proposed to by a goat herder in Wyoming, and met state's governors. She became a national heroine. This short film is meant to tease Hollywood into making a feature film about Mesannie's trek. It is suitable for any age. There will be a discussion period after the screening.

Venue 8: UMF Art Gallery

Art

1:00 - 2:30

Nine: UMF Art Seniors Present Their Work

Hillary Alger, Sarah Boss, Andrew Bourassa, Meredith Carwane, Trevor Harrington, Samantha Hunt, Joel Norris, Johanna Olivadoti, Melissa Walker

This year's graduating Art Seniors will talk about their senior shows at the UMF Art Gallery. The exhibition includes painting, sculpture, photography and installation.

Venue 9: Thomas Auditorium

Science

9:00 - 9:10

The Harvey Aft Award For Excellence in Chemistry

Chemistry faculty

Each year the chemistry faculty recognizes a student who has excelled in upper-level chemistry courses, has outstanding general scholarship, has demonstrated interest in chemistry, and projects a good attitude toward the field. Please join us when we announce the winner and present the award.

9:10 - 9:20

The Degree of Effectiveness and Specificity of Bacteriophage Application to Different Isolates of *Escherichia coli*.

Richard Hagenbuch and Brian Trogon

With strains of antibiotic resistant bacteria increasing in number, bacteriophage therapy has the potential to become an effective alternate method for fighting bacterial infections in both humans and animals. This presentation will document the ability of a bacteriophage isolated from human raw sewage to infect and destroy *Escherichia coli* from the human intestine. After determining the effectiveness of the isolated bacteriophage, further analysis will assess the degree of specificity of the bacteriophage infecting variable strains of *E. coli* isolated from bovine and canine fecal matter and chicken liver. Successful eradication of cultured bacteria through the application of bacteriophages will support their potential as an alternative to antibiotics. Furthermore, by determining the specificity of the bacteriophage, conclusions can be drawn about the ability of a bacteriophage to infect multiple strains or if they are strain specific.

9:25 - 9:40

Who Are YOU Showering With?

Alyson Pontbriand and Colleen Szymczuk

Whenever there is a large population of people using common facilities, there is always a concern of bacterial related contagious disease transmission. To students, as well as other people, who on a constant basis, shower and use the bathrooms on- and off-campus, the topic of hygiene is of great concern. The overall goal of this experiment was to identify colonies of various bacteria breeding in bathroom locales and to compare the amount and types of bacteria found in different environments among the student population of University of Maine at

Farmington (UMF). Bacteria from different locales were assessed to determine which bathroom style(s) are most at risk for containing contagious and infectious agents.

9:40 - 9:55

The effects of organically produced and regular yogurt on ulcer causing bacteria

Carol Later & Ryan Moore

This experiment tested the difference between yogurt labeled organic and regular (non-organic) yogurt in the inhibition of the pathogen *Helicobacter pylori*. *H. pylori* has been established as a contributing factor in a number of chronic gastric diseases, and has been shown to respond to treatment with probiotics, such as those found in yogurt. Anecdotal evidence and contemporary marketing purport a difference in the health benefits between organic and processed yogurts. The response of cultured *H. pylori* to these products resolved whether or not yogurt probiotics are a significant factor in the treatment of *H. pylori*-related gastric conditions and if organic production techniques and ingredients result in a differential ability to resolve those conditions.

10:00 - 10:15

Comparing the Resistance of 3%Grapefruit Seed Extract (GSE) and Chlorohexidine *E.coli* Strains Against Triclosan

Emily Atwood and Pratigya Upadhyaya

The goal of this experiment is to see whether strains of *E.coli* generated to resist 3% grapefruit seed extract (GSE), the natural antibiotic reagent found in Citricidal surgical scrub, are any less likely to produce strains of resistance against triclosan than strains of *E.coli* generated to resist the chemically based antibiotic chlorohexidine. The results of this study could potentially provide an effective alternative for those who experience dermatologic sensitivities with harsher chlorohexidine based scrubs. This study could also provide supporting evidence towards the capacity of natural antibiotic products to combat the problem associated with generating super-resistant triclosan strains.

10:15 - 10:30

How Safe Is Your Salad?

Bethany Stetkis, Allyson White

The health benefits of a diet high in fresh fruit and vegetable content are well documented. The increased availability of produce in pre-cut, ready-to eat forms encourages incorporation of fresh produce into the American diet. The processing of lettuce however increases the opportunity for microbial contamination. The objective of this project was to test and evaluate the effectiveness of standard preventive control measures for the reduction or elimination of the pathogen *Escherichia coli* on whole and minimally processed lettuce. A secondary objective was to investigate the presence or absence of *E.coli* on locally available lettuce and lettuce products.

10:30 - 10:55

Bacteria Strikes Back: Is Triclosan as Bad as We Think it is or Worse?

Joshua Blackstone and Peter Brigham

Triclosan, the supposed savior of the antibacterial world is turning out to be more of a problem child than a prodigy. Previously presented research addressed the concern of whether bacteria collected from the campus environment would develop resistance to triclosan and whether or not the theory that an antibiotic cross-resistance can also occur as a side result. The study concluded that triclosan resistance can occur in different bacterial types from a range of sampling sites, even after just a single exposure to the agent. The results also presented strong evidence suggesting antibacterial cross-resistance, however, no definite conclusion could be made about these cross-resistance findings. The goal of this project was to examine the cross-resistance effects

of triclosan more closely and determine whether or not it can truly occur as a result of a bacterial strain s developed resistance to triclosan.

11:00 - 11:15

Antibacterial Resistance Found in Health Care Institutions

Bob Nielsen and Sim Meak

It is known that bacteria can develop resistance through exposure to antibacterial agents, many of which are used to disinfect health care institutions. Samples were collected from two such institutions as well as a private home and bacterial resistance to amoxycillin and triclosan were observed and compared. The results are expected to show fewer, but more resistant bacteria from health care institutions when compared to a private home.

11:15 - 11:30

The Effects of Antibacterial Soap and Regular Soap on *E. coli*

Joshua Pescosolido and Keith Farr

The overall goal of this experiment was to determine which type of hand soap (antibacterial soap vs. regular soap) was better at preventing *E. coli* growth over a four-week period. In addition to the primary objective, the supporting objectives were the following: to assess the University of Maine at Farmington on their usage of antibacterial soap; to determine the amount of *E. coli* resistant to triclosan during the initial plating; to accumulate enough data to support or reject the hypothesis that antibacterial soap is harmful to human health.

11:30 - 11:55

The Pathology of Alzheimer's Disease

Erica Haywood

Alzheimer s disease is one of the most common neuro-degenerative diseases, causing almost 50,000 deaths per year in the U.S. Both early and late-onset Alzheimer s patients suffer from progressive symptoms such as memory loss, confusion, depression, decreased mental ability, and other behavioral changes. Because of certain pathological changes in the brain, neurons and synapses are eventually lost over the course the disease, approximately three to twenty years. This presentation will offer a summary of the pathology of Alzheimer s disease, including causes and risk factors, as well as symptoms and treatment options.

1:00 - 1:25

Pandora's Box: Non-indigenous woody invasive plants in the Farmington landscape

Lauri Brewster, Annie Cox, Drew Barton, and Nancy Prentiss

We investigated the presence of non-indigenous woody invasive plants in Farmington. We found 12 invasive species and more than 7 patches per km along riparian zones, roadsides, fields, and railroad-right-of-ways. Invasive abundance increased with amount of lawn and proximity to town, suggesting a close association between local horticulture and invasive spread. Invasives were most common in riparian areas, probably due to high levels of propagule pressure. Species differed in abundance, ranging from those still dependent on planted parent trees to fully invasive populations that had spread well beyond their planted origins. Lower levels of invasiveness in Farmington are likely a result of the small human population, isolation, and forested landscape rather than low levels of invasibility. This suggests the potential for future damage, and the importance of intervention while populations can still be controlled.

1:25 - 1:50

Where is the Dog Bay Line In maine

Jonathan Swan

Where in Maine is the "Dog Bay" Line? During the Silurian period (400 million years ago!), a great precursor to the Atlantic Ocean, known as the Iapetus, separated the ancient core of North America from a piece of Gondwana. It is believed that the seafloor of Iapetus sank into the mantle, and hence there should be a suture, marking the boundary between the opposing land masses. Such a boundary has been identified in Newfoundland, and has been coined, the "Dog Bay" line. The rock sequences across the suture differ significantly. The goal of this work is to construct a multilayer GIS database to facilitate the compilation and correlation of geologic data to locate the "Dog Bay" structure in Maine's Central Basin.

2:00 - 2:25

Sandy River Bar Research Project

Ethan Brown, John Glowa

Do you live on the banks of the Sandy River? Are you interested in whether or not erosion is going to impact your house or land? This project began in 2002 and aimed to further understand the dynamic nature of the Sandy River, with particular interest in gravel bar aggradation and degradation. The long term objective of this research is to gain an understanding of the temporal and spatial evolution of the river at five designated sites. Rates of change (migration) can then be compared to historical migration rates determined through aerial photography, and can also be used as a base-line for future changes in the river's morphology. A firm understanding of channel migration will allow for informed decision making regarding human intervention on the river system.

2:25 - 2:50

The Clay-Silica Interaction in the Preservation of Raindrop Impressions

Mark Russell

Throughout the geological record there are a series of rocks containing raindrop impressions. Since sands lack cohesion there must be impurities in the form of clays, which account for the preservation of the impressions in the rock record. Testing three different clays (kaolinite, montmorillonite, and illite) in quartz sand showed a linear relationship between the clays and the lowest weight percent clay that preserved easily recognizable impressions. Possible interaction schemes and reasons behind them, as well as clay properties will be highlighted.

Venue 10: Ricker 14 (Computer Lab) ***Computer***

11:00 - 11:30

Overclocking: Push Your PC to the Edge

Matthew Teece

Pushing the limits of the typical PC: -explore and manipulate CPU clock frequencies/voltages -explore and manipulate RAM clock frequencies -explore and manipulate System Bus speeds -explore and manipulate AGP Video GPU & Memory frequencies Overclocking a PC is the fastest, least expensive way to upgrade a computer. Often overlooked by many people upgrading or purchasing a new computer because of how complicated overclocking seems. Computers are based on simple frequencies and clocks set within the BIOS on the motherboard. By manipulating basic parameters one can push their computer's speed from 15% to 50% faster than before with ease and little difficulty. Topics will include; basic bus/CPU mathematics, core voltages RAM memory speeds, and active cooling.

Venue 11: Ricker, East Stairwell

Geology

Time Line Large geologic time scale

GEY 132 - Earth History

A vertical time scale showing major events of the past 600 million years, with attention to the geologic record for Maine. This will be a self-guided display in the east stairwell of Ricker Hall.

Venue 12: Ricker 15

Business/Economics I

9:00 - 9:15 AOL and Time Warner

Allison Cormier and Mandy Lamson

Many companies merge because they think that they are going to gain a competitive edge in their industry, while cutting cost. In some cases this is accurate. However, when AOL and Time Warner merged soon became a financial fiasco. The technology bubble brought the companies together but once the bubble burst this well publicized merger came to an end. Come and learn about Ted Turner's reaction to the merger and its effect on CNN. Other topics to be discussed include what problems led to their failure, why the companies should not have merged, and the downside of Synergy.

9:20 - 9:30 Questionable Accounting Practices

Timothy Perkins and Frank Hoesa

Symposium Abstract Main Street and Wall Street have been shocked by dishonest corporate practices. Enron with assistance from Arthur Anderson had resorted to questionable accounting practices leading the company to a questionable boost of earnings, revenues, and stock prices. This boost was artificial and done without public knowledge since 1996. We will show how Arthur Anderson abused its license and portrayed a situation that was non-existent in their realm of operations. The firm employed 85,000 during 2001 and just 1,000 the following year. What went wrong? Are the CEOs the root of the problem?

9:30 - 9:55 Adelphia Scandal

Matt LaHaye & Chad Place

Adelphia Communications Corporation, a leader in the cable industry since 1952, is one of the many companies responsible for an internal scandal. John J. Rigas and his family borrowed more than \$3 billion from the company without informing the shareholders. This scandal forced the company into bankruptcy, led to a major financial crisis on Wall Street, and played a major role in temporarily destroying the public perception of cable. This presentation will focus on how and why Adelphia had problems, as well as the results for the company, shareholders, and the cable industry.

10:00 - 10:25 Jack Grubman: Telecommunications Analyst Was he responsible for the burst of the telecommunications 'bubble'?

Kelly Mailhot and Megan Mathieu

Former Solomon Smith Barney telecom analyst Jack Grubman resigned in August of 2002. Companies such as Global Crossing and WorldCom crumbled under the misleading advice Grubman gave to them. However, he felt as though his resignation was fueled by being singled out by the consequences for the downfall of the telecommunications market. Our focus will be to analyze the effects of Grubman's decisions based on the reactions of the marketplace.

10:25 - 10:50 Enron Corp.

Anthony, Russel Dave, Maccaferity

During the first part of our symposium, we will talk about Enron Corp. old management strategy that made them end up filling for bankruptcy. We will explain the reason why this management strategy was not efficient in the past few years. The second part of our symposium will be about how Enron Corp. is going to reorganize its organization so that they can become efficient again. Managers will Reorganize this corporation by creating new plans such as retaining pipelines and creating new pipelines business with a new management strategy...Etc...

10:55 - 11:10 An examination of Martha Stewart's Business Practices

mike kelley and adam imbriglio

This presentation will examine the controversy with Martha Stewart's alleged insider trading of ImClone stock. We will explain her indictment status and explain some of the hindrances of high profile stock trading. We will also be describing the fraudulent activities that Miss Stewart is being accused of and the consequences of each. Martha Stewart is in controversy because she sold 4000 shares of ImClone stock before a major change happened in the company. She is being accused of taking insider information from the CEO and for dumping her stock with that illegal information. ImClone was rejected by FDA for a new anti-cancer drug that they were going to be producing in the next year. The impact this could (and does) have on Miss Stewart's company is that her stock price of her own company has dropped significantly due to the bad publicity (true or not).

11:10 - 11:35 FINANCIAL SHENANIGANS & SARBANE-OXLEY ACT OF 2002

Amy Zhang

Accounting fraud is the major reason for many business scandals. Companies have squirreled away revenue in a cookie jar for later use, arranged round-trip deals in which services swapped between partners were counted as sales, or stuffed the channels by booking revenue on goods and services that have not yet been sold. Based on the book Financial Shenanigans by Howard Schilit, this presentation is going to discuss various types of accounting gimmicks in financial documents and some basic skills to detect those frauds. Some major provisions of the Sarbane-Oxley Act of 2002 will also be introduced along with their impact on the accounting profession.

11:35 - 12:00

The WorldCom Scandal and Bernard Ebbers

Katie Callahan, Amanda Young, Amy Green

This presentation will outline the largest bankruptcy of \$104 Billion filed in the history of the United States. We will include a brief history about WorldCom and the scandal they created. We will also talk about the man that attempted to cover it up, Bernard Ebbers.

1:00 - 1:15

Maine Laws every college student should know, Minors and Alcohol

Loring Giles, Morgan Hann

There are a considerable amount of laws every college student is required to abide by. This symposium presentation is designed to give fellow college students valuable information regarding laws that pertain to the rights and regulation of alcohol related offenses. I was told as a freshman that a possession charge would lead to the loss of my license. It is our hope to dispel rumors. College students have the right to know the REAL consequences of alcohol related offenses.

1:15 - 1:30

Maine Laws every college student should know, OUI

Erik Mitchell, Noah Peet

There are a considerable amount of laws every college student is required to abide by. This symposium presentation is designed to give fellow college students valuable information regarding laws that pertain to the rights of people arrested for operating under the influence of alcohol. There are many serious penalties for OUI and many laws that benefit the defendant that many people are unaware of. It is our duty to make these laws known to all UMF students.

1:30 - 1:45

Maine Laws every college student should know, Tennant Laws

Josh Neault and Donny Cleary

There are a considerable amount of laws every college student is required to abide by. This symposium presentation is designed to give fellow college students valuable information regarding laws that pertain to the rights and regulation of landlords and tenants (renters). We feel it is important that college students know their rights to avoid be taken advantage of!

1:45 - 2:00

The Law of Finance

Cooper Willard

A power point presentation on the text Finance and E-Commerce, The online legal environment. There are eight chapters in the presentation, which will be an overview of the interdisciplinary relationship between the law and finance. Specifically The online legal environment, finance, and E-commerce.

2:00 - 2:15

How the Law Helps Shape Strategic Advantage

Keith French

This will be a 15 minute presentation discussing what a strategic advantage is, steps to follow when developing one, and how the law fits into this process.

Venue 13: Ricker 22

Business/Economics II

9:00 - 9:25

Identity Theft

Kyle Dickson, Linda Kittredge, April Sanborn

Identity theft is the fastest growing crime in the United States. According to Kevin Stack, a Postal Inspector out of Portland, Maine "If someone takes your identity, you're screwed". Learn how identity theft happens. How do you protect yourself? What do you need to do if you are a victim? Who can help you?

9:25 - 9:50

Fraudulent Healthcare Claims

Sarah Paine & Robert Warren

During our presentation we will be teaching students and staff members about false medical claims against medicaid and medicare. Included will be the types of fraudulent claims, how they are detected, how the criminals are prosecuted, and what these claims cost taxpayers. After presenting our research, the floor will be opened to students, staff, and guests for a question and answer session.

10:00 - 10:25

Fraudulent Advertising

Mike Nile and Danielle Bourassa

In such an industry as advertising that is so highly dependent upon innovative ways of attracting consumers attention, there are bound to be advertisements that push the limits of society's norms and values. This interactive presentation will focus on fraudulent advertising schemes, particularly contest mailings and political smear campaigns, along with their subsequent societal impacts.

10:25 - 10:50

Why/How Financial Fraud Pays Off For Some

Trevor Olivadoti, Tristan Swanson

There are many different types of fraudulent behavior in today's society that cross different boundaries of responsibility whether it is social or legal. We have chosen to explore the illegal activities that surround the world of investment. We will discuss different types of investment and accounting fraud that will explain in detail real cases that have prosecuted individuals involved in insider trading and manipulation of financial statements. We will spend a considerable portion of our presentation discussing the actions that surround the fraudulent behavior of people such as Boesky and Milken. We will also examine the actions taken by the SEC to deter and punish those caught with fraudulent earnings.

11:00 - 11:25

Corruption in the United States Congress

Rebecca Picott, Roy Wandell, Mike Dunn

This will be a presentation about some of the corrupt practices of U.S. Congressmen. Topics that will be discussed include bribery, improper campaign finance, and governmental payroll schemes. The presenters will also discuss what is happening to these Congressmen as a result of these crimes.

11:25 - 11:50

Koffee Konnection

Heather Hill, Linda Kittredge, April Sanborn

After studying the process of launching a new business venture we developed a feasibility study and a business plan. The end result: Koffee Konnection. Come view our powerpoint presentation presented as if we were actually seeking financial support for our Internet Cafe. Peruse our business plan and ask questions.

1:00 - 1:15

Insurance Fraud

Nick Castle and Jared Archilles

Our presentation will discuss the many ways that insurance fraud takes place every day. Our presentation will include famous sacandals that were caught as well as way you can try to protect yourself from this massive crime. We will also discuss what exactly insurance fraud is and give people an understanding of how much our economy suffers because of it.

1:15 - 1:30

Olympic Fraud

Mike Kelley, Inga skilings, kevin

In our symposium presentation we will discuss the subject of Olympic Fraud. We will concentrate on talking about the bribery that goes on during the pre-olympic setup and also somewhat about the bribery of the actual officials. We plan on discussing why this bribery happens and about how much it actually happens. Research into the subject was actually disgustingly shocking. We will have examples of the fraud and perhaps ideas on how to fix or change it so that it does not occur constantly like it does now. An example would be the bribing of the Olympic committee to get the actual games on your country s turf.

1:35 - 2:00

Insider Trading

Adam Dufort and Al Glossian

The topic of our symposium presentation is "insider trading". In our presentation we will outline what constitutes insider trading, as well as current and past legislation that is of significance. We will examine a number of important cases that have taken place over the years, along with some recent and currently pending cases. These include the case involving Martha Stewart and cases arising from the happenings of September 11th. Next we will look at the punishments of these acts, examining whether or not they fit the crime, and look at if the laws seem to act as a deterrent to those thinking of committing such acts. Lastly, we will conclude with why this issue is one of importance, and why society, including UMF students, should be concerned about insider trading.

2:00 - 2:25

Marine Corps Managment

Michael Nile

I will be comparing the style of management that the U.S. Marine Corps uses vs. the business world of today. I hope to share that many of these styles used by the Marines could be carried over to the business world.

2:25 - 2:50

Using Novels to Teach Free Market Principles

Linda Kittredge

There is a new and growing trend in introductory economics classes, using novels to supplement textbooks. Novels are a painless way to master economic theories that are difficult. Novels bring free market principles to life. After a brief discussion of four novels, three Henry Spearman mysteries; *Murder at the Margin*, *A Deadly Indifference* and *The Fatal Equilibrium*, written by Marshall Jevon and *The Invisible Heart*, a romance novel by Russell Roberts it is time to play Economics Jeopardy. Watch an Industrial Organizations Economics class play one round of Jeopardy using categories for each of the four books along with a general category. Can you answer the final Jeopardy question?

Venue 14: Ricker 207

Business/Economics III

9:00 - 9:25

The Mechanics of Financial Statement Analysis

Rebeca Picott, Dennis Wood

The Mechanics of Financial Statement Analysis will be conducted in power point format. The presentation will be an informative lecture consisting of various vocabulary, techniques and stages that are integral to the financial statement analysis. This presentation will be beneficial to all those who interested in attaining a broad base knowledge of the concepts related to this presentation.

9:25 - 9:50

Managing Diversity

George E. Davis

This presentation will give an overview of how diversity has been managed throughout history. As well as a look at how companies manage diversity today, and how companies use a diverse workforce to benefit the organization. Also there will be a focus on the challenges of managing a diverse workforce and what to do to overcome these factors.

10:00 - 10:25

Six Sigma

Tristan Swanson and Sam Whitener

For our presentation, we will be focusing on the management topic, Six Sigma. Six Sigma is a new and important idea that has revolutionized the production of quality products and services. Six Sigma is a concept of reducing the number of defects in a product while at the same time increasing production number. GE developed this form of quality management, which is being used by many companies in to day s business environments. We will present examples, and have a Power Point presentation to clarify the topic.

10:25 - 10:50

Stealth Marketing

Justin Hall

I will be presenting my symposium on stealth marketing, product placement, and subliminal perception. These are all new techniques that businesses are using besides traditional marketing (commercials, billboards, and

ads). I will talk about the different ways that companies use these and how we, the consumers, might not even realize that we are being advertised to. I will have a power point to go along with my presentation.

11:00-11:25

UMF Business/Economics Service Learning Group-Consulting for The Kora Temple Shrine

Brian Mawhinney, Justin Groshon, Inga Skilins, Sarah Dailey, David McCafferty

For the past two years a select group of UMF Business/Economics students have met with some of the high ranking Shriner Nobles from the Kora Temple Shrine located in Lewiston, Maine. The objective of these bi-monthly meetings were for the UMF students to critically analyze the Shriners areas of concern, including the utilization of their Temple, concerns pertaining to creating and maintaining membership, and the financial success of their annual Circus. The goal for each of these pertinent topics was for the students to make analyses to help improve the organizations efficiency and financial outcomes. This symposium project will outline the entire process, from analysis to implementation, of the past years work.

11:25 - 11:50

The Patriot Act: An Overview

Trevor Olivadoti

The presentation will start with an overview of some of the new abilities and leniencies bestowed upon law enforcement officers. I will discuss some of the legal cases that have been brought against the government for the passing of the act and its possible infringement on civil liberties in doing so, point out some sections of the bill that seem to directly violate specific amendments written in the constitution.

1:00 - 1:25

Legal Logic: The Fallacies

Roy Wandell

This will be a detailed explanation of the Fallacies within logic and argument, as explained by heavily respected Justice Ruggero J. Aldisert in his book on critical legal thinking. It involves the uses of poor argument structure and the improper arrival of conclusions based on particular premises. It gives philosophical and legal background to many of these Fallacies, and it also explains how to avoid using them and accepting them as valid argument.

1:25 - 1:50

Human Resources Management

Beth Poulin

This presentation will discuss Human Resources Management (HRM) and the selection of employees in order to obtain competitive advantage. The importance of HRM in a company is to establish competitive advantage for their company through the hiring of highly qualified applicants. Competitive advantage is what sets similar companies apart from each other in the long run.

2:00 - 2:20

Database Mining and its Impact on Relationship Marketing

Christopher Scerbo

This presentation will be on the effects Information Technology (I.T.) has had on marketing research. Its focus will be on the technological advancements that have enabled marketing researches to create psychological profiles of consumers and the privacy issues created by database mining. It will conclude with examples of

software and procedures that can help to protect Internet users from excessive privacy intrusions; i.e., ways to block and delete cookies, banners, web bugs, and spam mail will be explored.

2:25 - 2:40

Consumer buying

Amanda Pulkkinen

An informative power point slide show on who and what affects consumer buying. This presentation will leave you with a basic understanding of most all the factors that affect a customer choice on a product.

Venue 15: Ricker 217

Health

10:00 - 10:25

The Sexual Healers

Kirk Agreste, Melissa Cech, Jeannine Nobert, Dan Orcutt

"The Sexual Healers" is a service learning project in HEA 411, Health Education Planning. After conducting a need's assessment "The Sexual Healers" discovered that the first year students at UMF were in need of accurate information about sexually transmitted infections and services administered at the health clinic conducive to sexual health. Our goal is to inform the first year students by constructing and building a bulletin board that will be placed next to the door to the health center. The bulletin board will include information about sexual health, the services offered at the health center, the prices of each service, a variety of informational pamphlets, and up to date pictures and qualifications that the personnel at the health center have. Having the bulletin board permanently placed will hopefully increase the awareness about the health center and also increase the number of students that take advantage of the STI testing. Ultimately we would like to have an impact on the decreasing incidence rate of STI's. STI's are silent infections that carry many stigmas and stereotypes. The issue of sex and incurable sexually transmitted infections are not easily talked about in public, therefore capitalizing the danger of contracting an STI.

10:25 - 10:50

SK8

Lisa, Josh, Yoshi, and Heather

"SK8", a service learning project in Lea Bryant's Health Education Planning Course (HEA 411), has designed an advocacy project to promote skateboarding as a healthy recreational activity within the town of Farmington. Past research into the local area has shown that a skateboard park once existed, but has since been torn down and filled in. As part of a needs assessment "SK8" has distributed questionnaires to Farmington students in the middle school, high school, and the University of Maine at Farmington. The implementation plan will depend on the results. It is the hope of the projects members that a new skateboard park be erected in the Farmington area. This project aims to lay a strong grass-roots foundation for this purpose.

11:00 - 11:25

Smiles R Us

Meagan Cavacas, Vickie Staple, & Erica Wohl

The purpose of this presentation is to share a service learning experience in HEA 411- Health Education Planning. The goal of our project is to encourage new and expecting parents through the creation of an informational video on how to ensure a foundation of good dental health for their new baby. During symposium

we will show our informational video targeting new and expecting parents. After the video, we will answer questions that parents may have regarding dental hygiene for their baby.

11:25 - 11:50

Stride into Spring 2003

Fawn Albert, Erin Dunn, Amanda Rich

The "UMF Striders", students in HEA 411 Health Education Planning, will promote the "Stride into Spring 2003" program as a service-learning project. This project is in collaboration with the Healthy Community Coalition program and UMF's Health and Fitness Center. The purpose of this presentation is to strongly encourage more UMF employees to participate. Already employees, represented across various departments, have paired up and are recording the number of miles they travel each day. The pair that covers the most miles during the month of April will win a special prize. All participants who return the April 2003 calendar will also be entered into several drawings for a chance to win exciting prizes. The "UMF Striders" invite all UMF employees to come check out what's been happening so far!

1:00 - 1:25

Healthy Snacking with the "Healthy Snack Pack"

Shauna Brittell, Alison Duncan, Kier Simmons

Health education during early childhood serves as a valuable foundation for life. The "Healthy Snack Pack" is a service learning project in HEA 411: Health Education Planning. The goal of this project is to promote healthy eating habits and physical activity through educational media and materials. The target population is 3-5 year olds and their parents at the Wilton Early Childhood Center in Wilton, ME. Weekly newsletters will be distributed containing helpful nutrition information and recipe ideas for quick, easy, and healthy snacks. On April 11, 2003, the "Healthy Snack Pack" will sponsor a morning of activities for the children and their parents.

1:25 - 1:40

Portion Control Planners

Cindy Genest, Darcy Degone & Jolie Ritzo

Portion Control Planners- Darcy Degone, Cindy Genest & Jolie Ritzo HEA 411, Health Education Planning
This purpose of this presentation is to share a service learning project, The Portion Control Planners conducted in HEA 411 Health Education Planning. Members of this project will briefly describe the process of implementing a nutritional information day for students at the University of Maine Farmington. This presentation will also make available nutritional information tables. The primary goal for the Portion Control Planners Project is to raise the nutritional awareness among UMF students. Information gleaned from a needs assessment and literature review reveals that healthy nutrition information is needed on UMF campus, particularly in the knowledge areas of appropriate portion sizes, healthy nutritional sources for balance and variety, and the consumption of soda or soft drinks.

Venue 16: Nordica Auditorium

Music

11:00 - 11:45

Day of Judgment: Brahms, Liszt and the chant sequence, Dies Irae

Steven Pane and Jason Gutekunst

The twelfth-century chant sequence, Dies Irae, depicts the Day of Judgment and is the oldest section of the Requiem Mass. The chant has attracted many composers who have incorporated it in quotation or have based entire works on its melody. For nineteenth-century composers writing in traditional major/minor tonality, the modal setting of the chant presents intriguing harmonic challenges. Among the more remarkable settings are Johannes Brahms's Intermezzo in Eb minor, Opus 118 No. 6, and Franz Liszt's Totentanz for piano and orchestra. Brahms modifies the chant to fit into the minor mode while Liszt maintains its original modal construct, creating a hybrid tonality. The presentation will begin with Jason Gutekunst singing the Dies Irae followed by a lecture-recital by Steven Pane that will include performances of the Brahms and Liszt. (If you would like to hear the original version of the Totentanz with orchestra, come to the UMF Orchestra Concert on Saturday, May 3rd at 7:30 pm.)

12:15 - 12:45

Noontime Concert / Gregorian Chants

Jason Gutekunst

A performance of Gregorian Chants, by Jason Gutekunst, joined by a small number of UMF students and community members.

Venue 17: Alumni Theater

Theatre

9:30 - 11:00

Student Advanced Directing at Theatre UMF

Jennifer M. Baymore, Andrea Southard and TUMF

To discuss the process of producing/directing/acting "Return Engagements," done as an Advanced Directing Independent Study by student director, Jennifer M. Baymore. The student director, instructor and cast will discuss the process of rehearsals and present three scenes from the play.

Venue 18: Latte Landing

Theatre

2:30 - 3:45

A Staged Reading of "Stars Falling"

Amalia Marenberg, Jesse Manson, Rebecca Beaudoin, Cody Lamontagne, Tatiana Lebedeva, Mandi Favreau, Jenima Lyon, Louisa Stancioff, Teresa Roberts and Jayne Decker

Jayne Decker's "Stars Falling" tells the story of how the war in Vietnam changed the lives of several women. The play is episodic and moves between years during and after the war. Because several stories are told, we witness those years through the experiences and perspectives of different characters—a nurse, a mother, an avid protestor, the wife of a soldier. The several male characters are played by one actor who moves between the scenes, and the stories become linked by a shared history. "Stars Falling" was a winner of the 2002 Maine Playwriting Award.