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A special section of FOCUS EMU

## Sipes make Undergraduate Symposium a family affair

By Tricia Couture

Unlike most students, Dera Sipe doesn't have to rely on email, instant messaging or the telephone to keep in touch with her mother.

Dera's mom, Rebecca Sipe, professor of English language and literature, is just an elevator ride away to her office at Pray-Harrold.

Now the pair are a part of this year's Undergraduate Symposium. Dera is presenting a paper and Rebecca Sipe nominated Phillip Pittman, one of her students, to present a paper.

"Obviously I'm just as proud as can be," Rebecca Sipe said.

"(Dera's) done a marvelous job here," the proud mother said. "It's terrific because she's only a junior and it's generally an honor to present."

Dera Sipe, a junior philosophy major, was nominated to present a paper on Plato's



**LIKE MOTHER, LIKE DAUGHTER:** Rebecca Bowers Sipe (left), an assistant professor of English, discusses the paper her daughter, Dera, will present at the Undergraduate Symposium. Professor Sipe is sponsoring one of her students, Phillip Pittman, in the symposium. Dera Sipe, an EMU junior majoring in philosophy, will present a paper on Plato's and Aristotle's views of women.

and Aristotle's views of women for her "History of Philosophy-Ancient" class taught by Michael Carlsen-Jones.

"I talked about their basic misogyny and how they thought women were natu-

rally inferior," Dera Sipe said. "I wanted to know why they questioned other things, but didn't question that."

Rebecca Sipe was scheduled to present at a national

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## Hratchian emcees Undergrad Symposium

By Shaun Horrigan

Hrant Hratchian is no stranger to the Undergraduate Symposium. In past years, the Eastern Michigan University senior has presented two posters and one oral presentation. This year, he will not only make another oral presentation — he will be the event's emcee.

Hratchian said the nervousness of emceeing the event comes and goes, but he is honored and looking forward to it.

"The Undergraduate Symposium perpetuates an atmosphere of undergraduate participation in the learning process," Hratchian said. "The key to Eastern's success is not having a symposium as much as that, day to day, our students have more interaction with faculty than they would at other institutions. Our students get to perform in professional arenas that allow a deeper understanding of material."



**Hratchian**

Emcees are selected by a committee on merits of having presented at the Undergraduate Symposium in previous years and who exemplify the type of student that presents at the event, said Wendy Kivi, coordinator of the Undergraduate Symposium.

"About five years ago, we started a tradition of having a student emcee with the luncheon," Kivi said. "First, it gives the deserving student extra recognition for being part of the Undergraduate Symposium and second, because it is a student event. It's only natural to increase the student roles that are connected with the day's activities."

Hratchian is sponsored by Maria Milletti, a professor in the chemistry department. Hratchian has done more research than is normally conducted by a student at this stage of his education and he started earlier in his collegiate career than most students, Milletti said. Milletti added that Hratchian was a good student, very involved on campus and takes initiative in class.

"At this stage in somebody's research career, it's very hard to come up with new ideas," Milletti said. "His presentation for this year was his idea. It's very unusual for somebody to do that. Usually, it's the adviser that presents the students with ideas."

Hratchian's presentation, entitled, "Theoretical Determination of <sup>99</sup>Ru (ruthenium) Magnetic," deals with his study of determining the electronic structure around an atom by looking at its magnetic properties. To determine that structure, Hratchian said he's focusing on a bond between a ruthenium atom and a silicon atom. He said he's trying to determine what that bond looks like, what makes it good, and what makes it weak. His goal: to determine if the outcome correlates with the results of prior studies.

"There haven't been very many studies out there in the literature that are like this, so it's a new way to look at it," Hratchian said.

Originally, Hratchian was a pre-medicine major, with plans of attending University of Michigan's Medical School. But he became interested in chemistry and changed majors.

Hratchian's future plans include attending graduate school and getting a Ph.D. in chemistry. He also said he wants to teach at a mid-sized university.

### SCHEDULE OF EVENTS

**Undergraduate Symposium schedule, Friday, March 30:**

- 8:30 a.m.-12:45 p.m. - Student presentations, McKenny Union
- 9 a.m. - 12:30 p.m. - Poster presentations, Guild Hall
- 1-2:30 p.m. - Luncheon, McKenny Union Ballroom

### INSIDE

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- Student Government President observes gender interaction, PAGE 3

## STUDENT PRESENTATIONS

## SESSION A

**Alumni Room  
2nd Floor  
Moderator:  
Walter Moss**

8:30 a.m.  
**SIMONE DUHME**  
Professor Jeff Armstrong  
The Role of Exercise as a Preventative and Therapeutic Aid in Osteoporosis.  
Health, Physical Education, Recreation and Dance

8:45 a.m.  
**JESSICA BADER**  
Professor Betty Barber  
Homelessness: A Crisis to be Resolved.  
Teacher Education

9:00 a.m.  
**ANNALISA KNUDSVIG**  
Professor Veronica Grondona  
Language and Culture in India.  
English Language and Literature

9:15 a.m.  
**DAVID J. MANZA**  
Professor Walter Moss  
The Russian Empire's Jewish Question.  
History and Philosophy

9:30 a.m.  
**RON YEO**  
Professor Barbara Bilgé  
Hip-Hop Graffiti  
Sociology, Anthropology, and Criminology

**Tower Room  
2nd Floor  
Moderator:  
Howard Booth**

8:30 a.m.  
**ERIC S. BUSHROW**  
Professor Howard Booth  
The Use of a Color Reward System in Determining Color-blindness in Octopus vulgaris.  
Biology

8:45 a.m.  
**SHAUN BEIER**  
Professor Maria C. Milletti  
Nucleophilic Addition of 4-phenyl-2-(1-propenyl)-5-oxazolidinones.  
Chemistry

9:00 a.m.  
**HRANT P. HRATCHIAN**  
Professor Maria C. Milletti  
Theoretical Determination of  $\sigma_{\text{H}}$  Magnetic Properties for a Series of Transition Metal-substituted Base-stabilized Silylene Complexes.  
Chemistry

9:15 a.m.  
**NOELLE M. OCHOTNY**  
Professor Steven J. Pernecky  
Investigation of the Biochemical Mechanisms that Prevent Autoimmune Diseases.  
Chemistry

9:30 a.m.  
**MICHAEL C. JONES**  
Professor James J. Carroll III  
Measuring the Characteristics of a Plasma.  
Physics and Astronomy

**Faculty Lounge  
2nd Floor  
Moderator:  
David D. Reid**

8:30 a.m.  
**NELL STILLMAN**  
Professor Mary Zdrojowski  
Humans: The Omitted Variable in

Caloric Restriction Research.  
English Language and Literature

8:45 a.m.  
**THOMAS KASPER**  
Professor Norbert Vance  
Project Dark-Sky: Educating Michigan's Youth about Light Pollution.  
Physics and Astronomy

9:00 a.m.  
**JASON ALFONSO RUIZ**  
Professor David D. Reid  
Interstellar Space Flight.  
Physics and Astronomy

9:15 a.m.  
**MATT WALKER**  
Professor Ernie Behringer  
The Transmittance of Aqueous Solutions of Blue Food Coloring.  
Physics and Astronomy

9:30 a.m.  
**TRACEY TYLER MONTGOMERY**  
Professor Erik Lokensgard  
Effects of Particle Size and Solvent Chemicals on the Extractions of Phthalate from Polyvinyl Chloride.  
Industrial Technology

**Reception Room  
2nd Floor  
Moderator:  
Ellen Schwartz**

8:30 a.m.  
**TIMOTHY METHRIC**  
Professor Ellen Schwartz  
Stretching God's Word: Following the Influence of the Last Judgment Motif in Twelfth Century Art.  
Art

8:45 a.m.  
**JAMES PLANTENGA**  
Professor Richard Rubinfeld  
Outsider: Self-Taught Art and the Politics of Exclusion.  
Art

9:00 a.m.  
**ALISON LABARRE**  
Professor Kelley Altese  
The Economic Realities of Women in Professional Sports.  
Economics

9:15 a.m.  
**JAN SOCHOR**  
Professor Roger Peterson  
Integration of Former Warsaw Pact Countries into the European Union.  
Marketing

9:30 a.m.  
**MELANIE F. PETTEE**  
Professor Nina Nabors  
Medical Decision Making: The Case of Fibroid Tumors.  
Psychology

**Intermedia Gallery  
1st Floor  
Moderator:  
Thomas Vosteen**

8:30 a.m.  
**CRAIG LINDERMAN**  
Professor Richard Fairfield  
Multiple Copies of Multi-colored Prints.  
Art

8:45 a.m.  
**MICHELLE GRIMSLEY**  
Professor Joseph Csicsila  
The Irreconcilability of Counterforce in American Literature.  
English Language and Literature

9:00 a.m.  
**LAURA JAWORSKI**  
Professor James Knapp  
To Show a Story and Tell a Picture: Blending the Line Between the Visual and Verbal.

English Language and Literature

9:15 a.m.  
**JULIA SMITH**  
Professor Heather Neff  
The American Identity of Morrison and Faulkner.  
English Language and Literature

9:30 a.m.  
**LAURA ELIZABETH ANDERSON**  
Professor Thomas Vosteen  
1990s Society in West and North Africa.  
Foreign Languages and Bilingual Studies

**Main Lounge  
1st Floor  
Moderator:  
Mary Pratt Cooney**

8:30 a.m.  
**JESSICA JOY**  
Professor Kathy Stacey  
Analysis of CloseUp Theatre Troupe Effectiveness.  
Communication and Theatre Arts

8:45 a.m.  
**ANGELA GIRNYS, KRISTIN LAY, ROBERT MOORE and DEREK PIERCE**  
Professor Mary Pratt Cooney  
"Death On Rave Row"  
Communication and Theatre Arts

9:00 a.m.  
**AMY COLEGROVE**  
Professor Pat Williams-Boyd  
The Structure of American Government.  
Teacher Education

9:15 a.m.  
**DREW DRUMMOND**  
Professor Pat Williams-Boyd  
The 1960s: From Civil Rights to American Cultural Representation.  
Teacher Education

9:30 a.m.  
**PATRICK VOGLE**  
Professor Pat Williams-Boyd  
The Mongols: Conquest, Innovation, Genocide, the Struggle for Power, and the Decline of an Empire.  
Teacher Education

**Salon  
2nd Floor  
Moderator:  
John Dorsey**

8:30 a.m.  
**KRISTINA SCHMIDT**  
Professor Garik Pedersen  
A Sociological and Historical Look at Women Composers.  
Music

8:45 a.m.  
**PHILLIP WAGNER**  
Professor Diane Winder  
"Prelude" from J.S. Bach's Suite IV in E-flat Major.  
Music

9:00 a.m.  
**ADRIENNE HUMES**  
Professor Glenda Kirkland  
"Ouvre ton Coeur" by Georges Bizet.  
Music

9:15 a.m.  
**AMANDA WILTON**  
Professor Daniel Foster  
"Violin Concerto in E minor" by Julius Conus.  
Music

9:30 a.m.  
**JENNIFER LOHRER**  
Prof. Kimberly Cole Luevano  
"Premiere Rhapsodie" by Claude Debussy.  
Music

9:45 a.m.  
**CHIHARU YOKOO**  
Professor Dady Mehta  
"Variations in G-Major, K. 455" by W.A. Mozart.  
Music

## SESSION B

**Alumni Room  
2nd Floor  
Moderator:  
Joe Ohren**

10:00 a.m.  
**BILLIE N. SPURLIN II**  
Professor Pedro Sanchez  
COBOL sorting versus QUICKSORT.  
Finance and Computer Information Systems

10:15 a.m.  
**BRENDA J. ANDERSON**  
Professors Bette Warren and Irene Duranczyk  
Another Door to Learning Mathematics: Technology.  
Mathematics

10:30 a.m.  
**WILLIAM GEMPEL**  
Professor Ernest Behringer  
Interactive Web-based Tutorial about Lock-in Amplification Using Physlets.  
Physics and Astronomy

10:45 a.m.  
**HARDY SHAH**  
Professor Diane Jacobs  
Einstein: The Man of the Century.  
Physics and Astronomy

11:00 a.m.  
**ANN MANN**  
Professor Joe Ohren  
The Impact of Online Quizzes and Review Sessions on Student Performance in an American Government Class.  
Political Science

**Tower Room  
2nd Floor  
Moderator:  
Richard Douglass**

10:00 a.m.  
**KYLIE B. CRAWFORD**  
Professor Chris Wood Foreman  
Applied Lessons in Student Leadership Positions.  
Communication and Theatre Arts

10:15 a.m.  
**KATI M. LASZLO**  
Professor Richard Douglass  
In the Business of Healthcare: Strategic Management Concepts for Health Services Managers.  
Associated Health Professions

10:30 a.m.  
**JANELL GERSTNER**  
Professor Richard Douglass  
Telemedicine: A Future of Promise or Pitfalls.  
Associated Health Professions

10:45 a.m.  
**KATHERINE JEANNE CARVER**  
Professor Mary E. Vielhaber  
Do Business Students Believe a "Glass Ceiling" Exists in the Workplace?  
Management

11:00 a.m.  
**LINDA DE LEON**  
Professor Howard Booth  
Chemical and Bacterial Pollutant Variations in Pastureland and Cropland Branches of Mill Creek.  
Biology

**Faculty Lounge  
2nd Floor  
Moderator:  
Steven T. LoDuca**

10:00 a.m.  
**ROBERT S. HART, JR.**  
Professor Robert B. Mancell  
Geographic Aspects of Tsingtao Beer Production.  
Geography and Geology

10:15 a.m.  
**SUSAN C. LESKO**  
Professor Steven T. LoDuca  
Morphometric Analysis of Extant Taxa of the Green Alga Order Dasycladales.  
Geography and Geology

10:30 a.m.  
**MELISSA SUE SOULE**  
Professors Mark Higbee and Roger King  
The Detroit Race Riot of June 1943 and the Michigan Press.  
History and Philosophy

10:45 a.m.  
**SCOTT DUIMSTRA**  
Professor Andrea Kaston  
Homosexuality in Oscar Wilde's "The Picture of Dorian Gray".  
English Language and Literature

11:00 a.m.  
**SCOTT STILL**  
Professor Andrea Kaston  
Thomas Hardy's Nature: Romantic or Deterministic?  
English Language and Literature

**Reception Room  
2nd Floor  
Moderator:  
Weidian Shen**

10:00 a.m.  
**LIGOR MANUSHI**  
Professors Arthur S. Howard and Maria Milletti  
Synthesis and Stereochemical Analysis of 3-isobutyl-7a-methyl-dihydro-1H-pyrrolo[1,2-a]imidazole-2,5(3H,6H)-dione.  
Chemistry

10:15 a.m.  
**MICHAEL J. WALOCK**  
Professors Weidian Shen and Peter Barnes (Auburn University)  
Thermal Conductivity Measurements of Silicon Using a Thermally Bridged Solution with the 3 $\omega$  method.  
Physics and Astronomy

10:30 a.m.  
**YANA GRONDZIAK**  
Professor Dennis Delprato  
A Brief History of the Diagnostic and Statistical Manual of Mental Disorders (DSM) and its Resemblance to the Biological/Medical Model.  
Psychology

10:45 a.m.  
**MARIA DUQUE, KRISTEN GIACINTO, MICHELE HAGAN, REBECCA TAUB, and AMY TILLER**  
Professor Martha Baiyee  
Teacher-made Test.  
Teacher Education

**Intermedia Gallery  
1st Floor  
Moderator:  
Pat Williams-Boyd**

10:00 a.m.  
**SHELLY BAHR**  
Professor Sandy Morey Norton  
The Negotiation of Maggie Tulliver in George Eliot's "Mill on the Floss".  
English Language and Literature

10:15 a.m.  
**BRYAN STANBRIDGE**  
Professor John Dorsey  
The Nightingale - An Historical and Percussive View.  
Music

# Student Gov't president observes gender interaction

By Shaun Horrigan

Paying close attention to the actions, reactions and non-verbal communication between men and women in organizational settings was Kylie Crawford's duty as EMU Student Government president. Her observations were also noted for her Undergraduate Symposium presentation.

Crawford, a senior from Dayton, Ohio and a double major in communication and French, will present an oral presentation, "Applied Lessons in Student Leadership Positions." The presentation will focus on observations she made between members of the opposite sex during organizational interactions she attended as student body president. Crawford said her presentation will go into details of gender, different levels of hierarchy,

and occupational structure.

"The presentation will be pulling theories from the classes that I took from Dr. Foreman," Crawford said.

Crawford is sponsored by associate professor Chris Foreman of the communication and theatre arts department. Crawford took "Gender Communication" and "Organizational Communication" with Foreman, who said Crawford's work in both courses was excellent.

"When she would write papers, she really could touch upon, in a very

critical and analytical way, the dynamics of what's going on in organizational life," Foreman said. "There isn't going to be this one right way to communicate and she always touched upon that."

"In our society, we do 'do gender,'" Foreman said. "It's one of the first things we see about each other and we make assumptions based upon that. This is going to be one woman's perspective on how gender has an influence on either behaviors or actions, if there are any (in organizations)."

Foreman said she has had students incorporate their jobs or positions on campus into their class work, but this is the first time one of her students will make a presentation at the Undergraduate Symposium combining ob-

servations from a campus position with class studies. This is the seventh time Foreman has sponsored a student in the symposium.

This will be Crawford's first year as a presenter, but she said she attended some of the sessions last year.

"It was really interesting to see. I get closed up in my own little world of communication and it was nice to see other departments' works," Crawford said. "Eastern has done a really good job with highlighting undergraduate work and giving opportunities to show accomplishments."

Crawford continues to perform her presidential duties as her term is coming to an end. She is currently



Crawford

SEE CRAWFORD, page 4

## STUDENT PRESENTATIONS

10:30 a.m.  
**HOLLY BAILEY**  
Professor Pat Williams-Boyd  
Transformational Geometry.  
Teacher Education

10:45 a.m.  
**MATTHEW BOWER**  
Professor Pat Williams-Boyd  
Algebra for 8th Graders.  
Teacher Education

11:00 a.m.  
**JAMES DAVIS**  
Professor Pat Williams-Boyd  
Acids and Bases.  
Teacher Education

**Main Lounge**  
**1st Floor**  
**Moderator:**  
**Geoffrey Hammill**

10:00 a.m.  
**KYUNGHEE CHOI**  
Professor Alice Jo Rainville  
Korean Food Habits and Demonstration of Sushi Rolls.  
Human, Environmental and Consumer Resources

10:15 a.m.  
**JOEL M. DEVONSHIRE**  
Professor Michael Carlsen-Jones  
Plato's "Republic": An Examination of Liberty and Justice.  
History and Philosophy

10:30 a.m.  
**JUAN FLORENCIA**  
Professor Barbara Bilgé  
Marijuana Subculture.  
Sociology, Anthropology and Criminology

10:45 a.m.  
**THOMAS MORGAN**  
Professor Geoffrey Hammill  
Power vs. Freedom: The State and the Media in Macedonia.  
Communication and Theatre Arts

11:00 a.m.  
**TANYA L. SHELLEY**  
Professor Geoffrey Hammill  
Reality TV: Conventions and Ideology.  
Communication and Theatre Arts

### SESSION C

**Alumni Room**  
**2nd Floor**  
**Moderator:**  
**Bette Warren**

11:30 a.m.  
**SANDRA E. BECKER**  
Professor Bette Warren  
The Math of Election 2000: Did Anyone Really Win?  
Mathematics

11:45 a.m.  
**EMILY MORGAN BONNEAU**  
Professor Jeffrey Bernstein  
What is New in the News: The Internet as a Political News Source.  
Political Science

12:00 noon  
**KAITLIN A.L. CLARK**  
Professor Barry Pyle  
Electoral College: To Abolish or Not to Abolish.  
Political Science

12:15 p.m.  
**ELIZABETH DAHL**  
Professor Rhonda S. Kinney  
The Effects of News Media Coverage on the 2000 Presidential Primaries.  
Political Science

12:30 p.m.  
**HEATHER ONDERCIN**  
Professor Jeffrey Bernstein  
What it Takes to Produce a Gender Gap in Senate Elections.  
Political Science

**Tower Room**  
**2nd Floor**  
**Moderator:**  
**Barry Pyle**

11:30 a.m.  
**S. J. SALETTA**  
Professor Abdullah Dewan  
Private Monetary Systems: Applications in Ecommerce.  
Economics

11:45 a.m.  
**DONNA J. ALLEN**  
Professor J. Engwenyu  
The Power of Strikes and Organized Labor in French West Africa.  
History and Philosophy

12:00 noon  
**NICOLE PORTER and VICTORIA WARD**

Professor Barry Pyle  
Congress and the Supreme Court's Budget: Is Court Funding Based on Need or Politics?  
Political Science

12:15 p.m.  
**KATHERINE JEANNE CARVER**  
Professor Linda M. Woodland  
Are Business Students' Ethical Evaluations Affected by the Business Curriculum?  
Accounting

12:30 p.m.  
**MELANIE JOHNSON**  
Professor Rao Tummala  
Supply Chain Management. Finance and Computer Information Systems

**Faculty Lounge**  
**2nd Floor**  
**Moderator:**  
**David Geherin**

11:30 a.m.  
**ANDREW ANGLIN**  
Professor Sheila Most  
"Mourning Becomes Electra": The House of Arctus in New England as Explored by Eugene O'Neill.  
English Language and Literature

11:45 a.m.  
**CHRISTIE BREITNER**  
Professor Sheila Most  
Don't Forget the River Gods of Ancient Greece.  
English Language and Literature

12:00 noon  
**KATHERINE PATRICK**  
Professor Sheila Most  
Doomed Throughout the Ages: A Comparison of Modern and Ancient Interpretations of the Story of the Fall of Troy and Cassandra of Troy.  
English Language and Literature

12:15 p.m.  
**JUSTIN ROGERS**  
Professor David Geherin  
The Roman Gladiator.  
English Language and Literature

12:30 p.m.  
**MARGARET RUTH MADIGAN**  
Professor Ronald Delph  
Joan of Arc: Child of God, Daughter of France.  
History and Philosophy

**Reception Room**  
**2nd Floor**  
**Moderator:**  
**Rebecca Sipe**

11:30 a.m.  
**STEPHANIE L. BOLING**  
Professor Betty Barber  
The Other Victims: Children and Domestic Violence.  
Teacher Education

11:45 a.m.  
**AMY FRIGERIO**  
Professor Betty Barber  
Children Trapped Inside.  
Teacher Education

12:00 noon  
**HALEY JO VON DEYLEN**  
Professors Carol Freedman-Doan and Alida Westman  
Domain-Specific Self-Esteem as a Mediator in Female Adolescent Depression and Body Image.  
Psychology

12:15 p.m.  
**DERA SIPE**  
Professor Michael Carlsen-Jones  
An Ancient Philosophical Weakness: Unquestioned Misogyny.  
History and Philosophy

12:30 p.m.  
**PHILLIP PITTMAN**  
Professor Rebecca Sipe  
Teaching Literature: Combining Critical Theory with Experience.  
English Language and Literature

**Intermedia Gallery**  
**1st Floor**  
**Moderator**  
**John W. McHoskey**

11:30 a.m.  
**AMANDA I. KAREL**  
Professor Kathy Stacey  
Coming Out as Gay, Lesbian, or Bisexual to Close Friends.  
Communication and Theatre Arts

11:45 a.m.  
**KATHLEEN TARGOWSKI**  
Professor Cheryl Cassidy  
Are Ratings an Adequate Measure to Prevent Children's Exposure to Violent Video Games?  
English Language and Literature

12:00 noon  
**ERIN VAN VALKENBURG**  
Professor Andrea Kaston  
Pedestal or Gun Rack.  
English Language and Literature

12:15 p.m.  
**JOEL M. DEVONSHIRE**  
Professors Annmarie Cano and Norm Gordon  
Life Stressor and Violence in Romantic Relationships.  
Psychology

12:30 p.m.  
**ANGELA SOPHIA ZWICK**  
Professor John W. McHoskey  
Predicting Male Sexual Aggression Against Women.  
Psychology

**Main Lounge**  
**1st Floor**  
**Moderator:**  
**Veronica Grondona**

11:30 a.m.  
**KATHERINE BELLIEL**  
Professor Janice Terry  
Religion in Politics: The Islamic Revival in Turkey.  
History and Philosophy

11:45 a.m.  
**TOMO NAGAHARA**  
Professor Veronica Grondona  
The Ainu in Japan.  
English Language and Literature

12:00 noon  
**SILVIA PESSOA**  
Professor Veronica Grondona  
The Power of Minority Languages in Spain.  
English Language and Literature

12:15 p.m.  
**DEVON CANTERBURY**  
Professor Veronica Grondona  
The Central Yup'ik of Western Alaska.  
English Language and Literature

12:30 p.m.  
**DANIEL MICALLEF**  
Professor Doris Fields  
Barriers Involved in Intercultural Communication.  
Communication and Theatre Arts

SEE STUDENT PRESENTATIONS, PAGE 4

**SIPE, from page 1**

conference, but changed her plans when she heard that Dera was presenting at the Undergraduate Symposium.

"I wouldn't miss this for anything," Rebecca Sipe said.

Faculty sponsors for the Undergraduate Symposium have to keep their eyes out for talented students, Rebecca Sipe said.

Sipe said she chose Phillip Pittman because he is an example of teachers using cutting edge-research and finding new ways of looking at knowledge.

"He is one of the most outstanding student teachers I've watched," she said.

Pittman wrote about teaching literature for his English class, "Writing for the Writing Teacher."

Even though she and Dera share the same campus, Rebecca Sipes said she usually sees her daughter when she drops by her office.

"It's a very big campus," Rebecca Sipe said. "We're not together a lot and [Dera] lives on

campus."

The Sipes moved to Dexter after living in Anchorage, Alaska. Dera Sipe likes living on campus because she is in close proximity to Halle Library and Pray-Harold.

"I really like it because I don't have to drive or park," she said.

Like many mothers and daughters, Dera said that she and her mom talk on the phone and go out to dinner.

"One advantage is, that if I get homesick, I can talk to her," Dera Sipe said. "A lot of people I know are distanced from their families. It's good support to have if I feel tired from school and not to feel so on my own."

Sipe is glad her daughter decided to attend Eastern Michigan.

"I'm very pleased with the education my daughter's received," Sipe said. "She's got personal attention, small classes, and lots of people to mentor her and support her."

**CRAWFORD, from page 3**

working with state appropriations in an attempt to get more funding for the University so that students' tuition costs don't have to increase.

Crawford has been named a finalist for the Truman Scholarship for graduate students. The scholarship is based on academics, leadership, and community service.

Crawford plans to spend part of this summer in France, visit her brother in Alaska and is considering going out for cross country this fall.

Crawford plans to attend graduate school and is currently considering the University of California-Berkeley, Georgetown University, Ohio State University, University of Michigan, and a few others. She said she wants to study public policy, social policy and possibly go on to law school.

Crawford said she is thankful to so many people who have helped her succeed scholastically and as a student leader.

**STUDENT PRESENTATIONS, from page 3**

12:45 p.m.  
**EBONY MONIQUE SMALL**  
Professor Victor O. Okafor  
[The Charter School Debate.](#)  
African American Studies

**Gallery I**  
**1st Floor**  
**Moderator:**  
**Barbara Bilgé**

11:30 a.m.  
**ARIANA G. RAYMOND**  
Professor Dogan Koyluoglu  
[A Study of Determinants of Privatization in Developing Countries.](#)  
Political Science

11:45 a.m.  
**RACHEL V. WIERTELLA**  
Professor Raymond Rosenfeld  
[Reforming Antitrust Policy.](#)  
Political Science

12:00 noon  
**MELISSA HENRY**  
Professor Barbara Bilgé  
[Cultural Cumulative and Din Digression: Examining Expressions in Rap and Country Music.](#)  
Sociology, Anthropology and Criminology

12:15 p.m.  
**STACY A. TCHORZYNSKI**  
Professor Barbara Bilgé  
[20WA341: Archaeological Investigations at the Worden House, Ypsilanti, Michigan.](#)  
Sociology, Anthropology and Criminology

12:30 p.m.  
**MIRO FAOUZI**  
Professor Michael Vogt  
[Economic Conditions in Mexico.](#)  
Economics

**POSTER PRESENTATIONS**

9 a.m.-12:30 p.m.  
**Guild Hall**

**COLLEGE OF ARTS AND SCIENCES****Art**

**AMY ALEXANDER**  
Professor Michelle Nelson  
[Corporate Logo Design and Standards Manual.](#)

**PETER BRISBOIS**  
Professor Patricia Williams  
[Adventures in Ikat.](#)

**JAMES HENDRICKS**  
Professor Michelle Nelson  
[A Cure for Typography.](#)

**Biology**

**CRYSTAL ABRAMS and APRIL LANGE**  
Professor Gary L. Hannan  
[Sex Allocation as a Function of Plant Size in \*Platystemon californicus\* \(Poppy Family\).](#)

**STEPHEN ATKINS**  
Professors Henry Zot and Peggy Liggitt  
[Engineering \*Chlamydomonas reinhardtii\* to Detect Environmental Estrogens.](#)

**SEAN GALLAGHER and BRENDAN TARRIER**  
Professors Robert Winning and Glenn Walker  
[Effects of Environmental Toxins on Embryonic Amphibian Development.](#)

**TOM MAST**  
Professor Henry Zot  
[Transduction of Peptides into \*Chlamydomonas\*.](#)

**MELISSA PAGE MAXWELL**  
Professor David Kass  
[Characterization of a Highly Conserved B1 Retroposon Integration.](#)

**Chemistry**

**OLUWASEUN ADETAYO and BEN COLLMAN**  
Professor Elizabeth Butch  
[Study of Protein Kinase Pathways](#)

[in Mammalian Systems.](#)

**KOREY BAHASH and ANDREW JONES**  
Professor Vance Kennedy  
[Bright Colors: Investigating Phthalocyanine Derivatives.](#)

**ADAM GRACON**  
Professor Maria C. Milletti  
[Computational Analysis of the Structure of MEK's Active Site and of its Inhibitors.](#)

**STACY HAYNES and WILL THOMPSON**  
Professor Arthur Howard  
[An Approach to the Synthesis of Aza Analogs of Alkaloids Containing a Bridged Ring System.](#)

**REBECCA HIMM and JENNIFER KAPPLER**  
Professor Deborah Heyl-Clegg  
[Inhibition of Amylase by Minimal Sequence Peptides: Synthesis and Kinetic Analysis.](#)

**PATRIZIA IANNONE and TOMIYO WEMERT**  
Professors Elizabeth Butch and Scott Snyder (University of Michigan)  
[Evaluation of Epidermal Growth Factor Receptor Inhibitors as Tumor Imaging Agents.](#)

**JACINDA LISI**  
Professors Elizabeth Butch and Scott Snyder (University of Michigan)  
[In vitro Kinetic Evaluation of Cholinesterase Substrates Using Spectrophotometry.](#)

**CHRISTOPHER MARRIOTT**  
Professor José C Vites  
[Introduction of Organic Fragments into Iron Metal Clusters.](#)

**MICHAEL E. PRATT and NICOLE M. TREASE**  
Professor Heather L.S. Holmes  
[Quantitative Structure-retention Relationships for Gas Chromatography: Using Ab Initio Calculations to Model Chromatographic Retention.](#)

**DEAN ZDRAVKOVSKI**  
Professor Maria C. Milletti  
[Determination of Excitation Energies for a Series of Boron Subphthalocyanines.](#)

**English Language and Literature**

**MAUREEN COUSINO**  
Professor Nancy Allen  
[Seasonal Affective Disorder.](#)

**PATRICIA ELEKONICH**  
Professor Nancy Allen  
[American Wind Machines.](#)

**Geography and Geology**

**DEREK NESTELL**  
Professor Chris Mayda  
[Living History Through the Society for Creative Anachronism.](#)

**NELL ORSCHELN**  
Professor Maria Serena Poli  
[Glacial-interglacial Paleooceanographic Variability in the Western North Atlantic: Evidence from Benthic Foraminifera.](#)

**Mathematics**

**HOLLY BAILEY**  
Professor Joanne Caniglia  
[Manipulatives in the Secondary Mathematics Classroom.](#)

**PAUL HORVATH**  
Professor Ken Shiskowski  
[Fractal Computer Graphics Using Maple.](#)

**JOHN LUPINACCI and SHAWN RAFALSKI**  
Professor Ken Shiskowski  
[Black Holes and Other Wonders of Gravity.](#)

**Physics and Astronomy**

**WILLIAM GEMPEL**  
Professor David D. Reid  
[Embeddings of Causal Sets.](#)

**Psychology**

**JOHN COLLINS**  
Professor S. von Kluge  
[Changing Answers on Multiple Choice Exams.](#)

**CHRISTINA MORRISON**  
Professor Alida Westman  
[Looking to TV for Information About the Nature of Relationships.](#)

**Sociology, Anthropology and Criminology**

**KATE KILPONEN and NICOLE LABERDEE**  
Professor E. L. Cerroni-Long  
[American Culture.](#)

**COLLEGE OF EDUCATION****Health, Physical Education, Recreation and Dance**

**JOHN C. MC AULIFFE**  
Professor Susan Starr  
[You May be Politically Correct, But are You Anatomically Correct?](#)

**COLLEGE OF HEALTH AND HUMAN SERVICES****Associated Health Professions**

**JESSICA ALLEN, RENEE BISKNER, EVA DELSH, DEBRA ELLISON, ANDREA GOSSETT, and DEANNE RAUSCHER**  
Professor Valerie Howells  
[Rehabilitation in Forensic Psychiatry: Working Towards a New Future.](#)

**DAPHNEY D. LIVERNOIS**  
Professor Gary Hammerberg  
[Comparison of Methods for Glucose Determination.](#)

**Human, Environmental, and Consumer Resources**

**CHRISTINE PONIEWOZIK**  
Professor Judith Brooks  
[Development of a Medical Nutrition Therapy Protocol for Collegiate Athletes with Anemia.](#)

**COLLEGE OF TECHNOLOGY****Interdisciplinary Technology and Industrial Technology**

**ALAN BEESLEY**  
Professors Dave Gore and Pam Spielman  
[Provost Faculty Dinner CD.](#)