

Monday, April 21**Schedule of Events**

7:30 - 4:30	Student Presenter, Moderator and Judge Check-in	CSU Ballroom Lobby
	Coffee and Snacks Available	CSU Ballroom North
7:45 – 5:30	Site Judges Gathering Room Open	CSU 256
8:00 – 9:45	Session 1 Art	CSU 201
8:00 – 10:00	Session 2 Civil Engineering, Computer Science, Electrical & Computer Engineering & Technology, Mathematics & Statistics, and Mechanical & Civil Engineering	CSU 284
8:00 - 10:00	Session 3 Business, Economics, Law Enforcement and Political Science	CSU 253/4
10:00-12:00	Poster Session A College of Allied Health & Nursing, College of Education, and College of Social and Behavioral Sciences	Ballroom South/Center
10:00-12:00	Session 4 Biological Studies, Chemistry & Geology, and Physics & Astronomy	CSU 202
10:00 - 12:00	Session 5 Women’s Studies and Speech Communication	CSU 204
12:00 - 1:00	Lunch (on your own)	
1:00 - 2:30	Session 6 Women’s Studies	CSU 202
1:00 - 3:30	Session 7 English, Humanities, Music, and Speech Communication	CSU 204
1:00 - 3:00	Poster Session B College of Science, Engineering & Technology	Ballroom South/Center
3:00 - 4:30	Session 8 Women’s Studies	CSU 201
3:30-4:30	URC Performance Presentation Theatre and Dance	Ostrander Auditorium

Tuesday, April 22 Schedule of Events

7:30 - 12:30	Presenter Check-in	CSU Ballroom Lobby
	Coffee and Snacks Available	CSU Ballroom North
8:00 -12:30	Site Judges Gathering Room Open	CSU 256
8:15 - 10:30	Session 9 Psychology	CSU 202
8:30 – 10:15	Session 10 Automotive Engineering Technology	CSU 204
8:30 – 10:30	Session 11 Anthropology, Ethnic Studies, and History	CSU 253/4
10:30 – 12:15	Session 12 Family and Consumer Science, Human Performance, Nursing, Aviation, and Speech Communication	CSU 201
10:30 - 12:00	Session 13 Social Work, Sociology, Special Education, and Speech Communication	CSU 255
1:00 - 2:00	URC Luncheon and Award Ceremony	Ballroom South/Center

Wednesday, April 23 Schedule of Events

7:00 pm	URC Creative Works Exhibit Gallery Opening	CSU Ballroom Lobby
---------	---	--------------------

Art

Absence of Presence

Lindsay Roth (Department of Art)

Brian Frink, Faculty Mentor (Department of Art)

*Recipient of Undergraduate Research Conference Small Grant

Printing Three-Dimensionally: Merging Printmaking and Sculpture

Matthew J. Olson (Department of Art)

Erik Waterkotte, Faculty Mentor (Department of Art)

*Recipient of Undergraduate Research Conference Small Grant

Impact of Combining Traditional Printmaking with Contemporary Digital Print

Harumi Okoshi (Department of Art)

Erik Waterkotte, Faculty Mentor (Department of Art)

*Recipient of Minnesota State University, Mankato Foundation Grant

Amer, Al-Ani, and Tuggar: Reconstructing the Construction of Contemporary Islamic Identity

Gina Hunt (Department of Art)

Alisa Eimen, Faculty Mentor (Department of Art)

Pushing the Limits of Clay: Sculpting with Ceramic Glaze

Chad Gunderson (Department of Art)

Todd Shanafelt, Faculty Mentor (Department of Art)

*Recipient of Undergraduate Research Conference Large Grant

The Tarot: History and Execution

Andrea Brummund (Department of Art)

Eric Waterkotte, Faculty Mentor (Department of Art)

*Recipient of Undergraduate Research Conference Small Grant

The *Saqqa-khaneh* School of the 1960s: Creating a National Iranian Art Identity

Marria Thompson (Department of Art)

Alisa Eimen, Faculty Mentor (Department of Art)

*Recipient of Minnesota State University, Mankato Foundation Grant

Civil Engineering, Computer Science, Electrical & Computer Engineering & Technology, Mathematics & Statistics, and Mechanical & Civil Engineering

Swarm Robotics and Java-based Development Tools

J.C. Grooms (Department of Computer Science and Psychology)

Brian McMahon (Department of Philosophy)

Brighton Peterson (Department of Computer Science)

Joshua Vander Hook (Department of Computer Science)

Steven Case, Faculty Mentor, (Department of Computer Science)

Aperiodic Tilings: The Relationship between Spectrum and “Bubbles”

Ashley Rand (Department of Mathematics and Statistics)

Brian Martensen, Faculty Mentor (Department of Mathematics and Statistics)

Testing the Validity of the Logistic Link Function in Lung Cancer Data

Harrison Quick (Department of Mathematics and Statistics)

Mezbahur Rahman, Faculty Mentor (Department of Mathematics and Statistics)

The Effect of Corrosion and Cracks on the Safety of Steel Bridges

Christopher M. Marr (Department of Mechanical and Civil Engineering)

Karen Chou, Faculty Mentor (Department of Civil Engineering)

*Recipient of Undergraduate Research Conference Small Grant

Develop a Matlab based Mode Solver for Asymmetric Nano-Scale Void Slab Slot Waveguides.

Murtaza Hathiwala (Department of Electrical and Computer Engineering and Technology)

Abidhusein Esmail (Department of Electrical and Computer Engineering and Technology)

Gayan Wijeratne (Department of Electrical and Computer Engineering and Technology)

Qun Zhang, Faculty Mentor (Department of Electrical and Computer Engineering and Technology)

On the Eigenvalues of Bipartite Graphs

Brendon Watts (Department of Mathematics and Statistics)

In-Jae Kim, Faculty Mentor (Department of Mathematics and Statistics)

Instrumentation to Monitor Bridge Foundation on the Crosstown Project

Brian Welch (Department of Mechanical and Civil Engineering)

Aaron S. Budge, Faculty Mentor (Department of Mechanical and Civil Engineering)

Business, Economics, Law Enforcement, and Political Science

A Comparative Approach to Understanding the Determinants of Social Policy Retrenchment in the United Kingdom and Spain.

Justin Ludwigson (Department of Political Science)

Tomasz Inglot, Faculty Mentor (Department of Political Science)

Trends and Volatility: Measuring the Housing Market Using the GARCH Model

Jonathon Euerle (Department of Economics)

Ken Park, Faculty Member (Department of Economics)

How do individuals make investment decisions?

Amin Abdul-Mohomed (Department of Economics)

Kwang-Woo (Ken) Park Faculty Mentor, (Department of Economics)

*Recipient of Undergraduate Research Conference Small Grant

Determinants of Traffic Fatalities in the U.S.

Hanna Stapleton (Department of Economics)

Kwang Woo (Ken) Park, Faculty Mentor (Department of Economics)

*Recipient of Minnesota State University, Mankato Foundation Grant

Personal Use Policies

William Meyer (Department of Management)

Kathy Dale, Faculty Mentor (Department of Management)

Occupational Values

Amber Herbst (Department of Accounting & Business Law)

Jane Baird, Faculty Mentor (Department of Accounting & Business Law)

*Recipient of Undergraduate Research Conference Small Grant

Institutional Arrangements Make the Difference: A Comparative Study of Health Care Policy and Provision in the Netherlands and France

Nathan J. Madden (Department of Political Science)

Tomasz Inglot, Faculty Mentor (Department of International Relations/Political Science)

College of Allied Health and Nursing, College of Education, and College of Social and Behavioral Sciences

The Use of Social Cognitive Theory to Predict Strength Training Behavior

Bethany Anderson (Department of Recreation, Parks, and Leisure Services)

James B. Wise, Faculty Mentor (Department of Recreation, Parks, and Leisure Services)

Qualitative Research of Selected Language Skills of Individuals with Down Syndrome

Natasha B. Agha (Department of Communication Disorders)

Bonnie B. Lund, Faculty Mentor (Department of Communication Disorders)

Qualitative Research of Selected Language Skills of Twin Boys with Autism

Ann Strommer (Communication Disorders Program, Department of SHRS)

Bonnie Lund, Faculty Mentor (Communication Disorders Program, Department of SHRS)

The Effect of Aerobic Conditioning Versus Resistance Training on Resting Metabolic Rate

Rachael L. Quast and Patrick B. Wilson (Department of Family Consumer Science and Department of Human Performance)

Susan B. Fredstrom, Faculty Mentor (Department of Family Consumer Science)

Mary F. Visser, Faculty Mentor (Department of Human Performance)

*Recipient of Undergraduate Research Conference Large Grant

The Relationship between the strength and fatigability of the back extensors and the flexibility of the hamstrings and hip flexors

David Quammen (Department of Human Performance)

Patrick Sexton, Faculty Mentor (Department of Human Performance)

*Recipient of Undergraduate Research Conference Small Grant

Practices of Childbirth: Getting What Women Want? Women's Desire for Childbirth and the Realities of Contemporary Care.

Fatah Ahmed, Fardosa Ali, Emberly Khoonsrivong, Urgen Tsomo, Mercy Warriari, and Hanna Youssouf (School of Nursing)

Mary Regan, Faculty Mentor, (School of Nursing)

Prevalence, Attitude, and Knowledge of College Students at Minnesota State University, Mankato Regarding Oral Piercings

Kayla Janssen (Department of Dental Hygiene)

Brigitte Cooper, Faculty Mentor (Department of Dental Hygiene)

TBI: One Child's Road

Amber Elliott (Department of Communication Disorders)

Bonnie Lund, Faculty Mentor (Department of Communication Disorders)

Impact of Statewide Smoking Ban on College Students' Use of Smokeless Tobacco

Jessica Beaulieu (Department of Dental Hygiene)

Angela Monson, Faculty Member (Department of Dental Hygiene)

Winter Decomposition Rate of Submerged Bodies in Cold Weather Climates

Jason Hamond (Department of Anthropology)

Katherine Blue, Faculty Mentor, (Department of Anthropology)

A Qualitative Study of the Impact of Down Syndrome on Personal and Family Life

Allison Greene (Department of Communication Disorders)

Bonnie Lund, Faculty Mentor (Department of Communication Disorders)

Rates of slope erosion near the new Sears Dormitory on the campus of Minnesota State University, Mankato

Neil Gessner, Dan Krumwiede, and Dan O'Connor (Department of Geography)

Forrest Wilkerson and Ginger Schmid, Faculty Mentors (Department of Geography)

*Recipient of Undergraduate Research Conference Large Grant

Priming the Bicultural Mind

Miwako Fujikata (Department of Psychology)

Vinai Norasakkunkit, Faculty Mentor (Department of Psychology)

*Recipient of Undergraduate Research Conference Small Grant

Self and emotional experience: A study of socially engaging and disengaging emotions and their relation to the self using explicit and implicit measures

Dan Ellis (Department of Psychology)

Vinai Norasakkunkit, Faculty Mentor (Department of Psychology)

Cross Cultural Adolescent Reinforcers

Kari Ek (Department of Psychology)

Daniel Houlihan, Faculty Mentor (Department of Psychology)

The Significance of Red Ochre Found on Skeletal Remains Excavated at the Helget Site (21BW82), Brown County, MN

Marcy Voelker (Department of Anthropology)

Kathleen Blue, Faculty Mentor (Department of Anthropology)

Asperger's syndrome Qualitative Study

Alisa Titze (Department of Speech, Hearing, and Rehabilitation Services)

Bonnie Lund, Faculty Mentor (Department of Speech, Hearing, and Rehabilitation Services)

The Reliability of Acoustic Measures of Speech Analyzed Using PRAAT

Heidi Berens, Allison Greene, Jennifer Ireland, and Ann Strommer (Department of Speech, Hearing, and Rehabilitation Services)

Patricia Hargrove, Faculty Mentor (Department of Speech, Hearing, and Rehabilitation Services)

Rebecca Bates, Faculty Mentor (Department of Computer Science)

Examining the Relationship between Perfection, Control and Anxiety

Katey Scheller (Department of Psychology)

Barry Ries, Faculty Mentor (Department of Psychology)

A cross-cultural study between Japan and the United States examining how culture influences what categories of Emotions are Valued.

Julie Poyzer (Department of Psychology)

Vinai Norasakkunkit, Faculty Mentor (Department of Psychology)

Identifying Differences across Computer Users

Casey E. Painter (Department of Psychology)

Barry Ries, Faculty Mentor (Department of Psychology)

Coding of Emotions and Logic When Making Decisions

Cassie Nieman (Department of Psychology)

Emily Jax (Department of Psychology)

Emily Stark, Faculty Mentor (Department of Psychology)

Effective Motivational Techniques That Successful Leaders Use in an Organization

Justin K. Spio (Department of Psychology)

Andrea Lassiter, Faculty Mentor (Department of Psychology)

Nutrition Education for Weight Control Programs for Children 6-12 years old.

Heather Stueven and Brenna Waack (Department of Family Consumer Science)

Susan Fredstrom, Faculty Mentor (Department of Family Consumer Science)

*Recipient of Undergraduate Research Conference Small Grant

The Role of School Nurses Regarding Mental Health for School Aged Children

Angela Herrig (School of Nursing)

Norma Krumwiede, Faculty Mentor (School of Nursing)

*Recipient of Undergraduate Research Conference Small Grant

Understanding Attitudes Toward Drug Use

Erin Salonek (Department of Psychology)

Emily Stark, Faculty Mentor (Department of Psychology)

College Students' Attitudes, Thoughts, and Beliefs towards Marijuana Use

Kaley VanDenBerg (Department of Psychology)

Emily Stark, Faculty Mentor (Department of Psychology)

Biological Sciences, Chemistry & Geology, and Physics & Astronomy

The Effects of *Potamogeton crispus* Senescence on Zooplankton Populations and Planktivorous Fish Diets in Shallow Southern Minnesota Lakes

Anthony Sindt (Department of Biological Sciences)

Shannon Fisher, Faculty Mentor (Department of Biological Sciences)

The Absolute Magnitude Distribution of F-Turnoff Stars

Jacob Simones (Department of Physics & Astronomy)

Paul Eskridge, Faculty Mentor (Department of Physics & Astronomy)

Effects of Impaired Aldosterone Secretion on Hypertension Development in the Spontaneously Hypertensive Rat (SHR).

Erica Moore (Department of Biological Sciences)

Penny Knoblich, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Testing for an Allelopathic Interaction between *Typha latifolia* and *Typha x. glauca*

Kayla Kiecker and Janet Wood (Department of Biological Sciences)

Bradley J. Cook, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Comparison of a:Si and c:Si Photovoltaic Cells in Southern Minnesota

Robert Freiderich (Department of Physics & Astronomy)

Hai-Sheng Wu, Faculty Mentor (Department of Physics & Astronomy)

*Recipient of Undergraduate Research Conference Small Grant

***Bacillus cereus* and its Resistance to the Antimicrobial, Nisin**

Kristy Felske (Department of Biological Sciences)

Dorothy Wrigley, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Characterization of Fall Leaves as a Source of Cellulosic Ethanol

Justin Burum (Department of Chemistry & Geology)

James E Rife, Faculty Mentor (Department of Chemistry & Geology)

RNA Silencing of Novel Gene Required For B Cell Development

Michael Witthaus (Department of Biological Sciences)

John Colgan, (Department of Internal Medicine), University of Iowa Carver Medical College

Marilyn Hart, Faculty Mentor (Department of Biological Sciences)

Protein-Protein Interactions of the $\beta 1$ and $\beta 2$ Forms of Actin Capping Protein

Kevin Y. E. Strehler (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

*Recipient of Minnesota State University, Mankato Foundation Grant

Women's Studies and Speech Communication

The Portrayal of Women in Contemporary Alcohol Advertisements

Gail Baker (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Getting Different Global Perspectives through Newspaper

Eva Guthrie (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Sexual Assault Services for People with Disabilities

Angela Losasso (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor, (Department of Women's Studies)

Ms., Mrs., Mr.: Gendered Language in Wedding Invitations

Tavis Riederer (Department of Speech Communication)

Rachel Droogsma, Faculty Mentor (Department of Speech Communication)

Deconstructing the Slut: Contemporary definitions of female sexuality amongst Midwestern college students

Stacy Huntington Scofield (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

The Man Behind the Dress

Zeke Sorenson (Department of Speech Communication)

Leah White, Faculty Mentor (Department of Speech Communication)

Fear of Independence Stereotypes of People with Intellectual Disabilities in Film

Amanda Wilcox (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor, (Department of Women's Studies)

Women's Studies

Sex, Gender, and IT: The Lasting Effects of Gender Bias in Information Technology Customer Service

David Domask (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Restroom Politics

Brad Freihoefer (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

MSU Students' Attitudes and Beliefs towards Vaccinating Youth against Human Papillomavirus

Kathryn Kamerud (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor, (Department of Women's Studies)

Self Defense Classes: Teaching Women to Submit

Jessica Soebbing (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Redefining the Victim: Domestic Violence Shelters for Different Genders

Erin Crabtree (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Here Comes the Bride: Analyzing Bridal Magazine Portrayals of American Brides

Erin Trytten (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Portrayals of Masculinity in Contemporary Romantic Vampire Literature

Amanda Miller, (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

English, Humanities, Music and Speech Communication

Re-Emerging Pietism: The Emerging Church as Postmodern Pietism

Tysen Dauer (Department of Humanities and German)

Cecilia Pick, Faculty Mentor (Department of Modern Languages)

Parents as Students: Assessing the Childcare Needs of Nontraditional Students at Minnesota State University, Mankato

Nicole Goebel, Benjamin Heath, Andria Monnens, and Nicholas Rice (Speech Communication)

James Dimock, Faculty Mentor (Speech Communication)

*Recipient of Undergraduate Research Conference Small Grant

History of the Minnesota State University, Mankato Music Department

Rebecca Unetic, (Department of Music)

John Lindberg, Faculty Mentor (Department of Music)

Political Agendas in the Letters of Hildegard of Bingen

Anne Sweeney (Department of English)

Cecilia Pick, Faculty Mentor (Department of German)

Cigarette Advertisements in the MSU Reporter

Ali Ramsey (Department of Technical Communications)

Gretchen Haas, Faculty Mentor Department of Technical Communications)

Systemic Racism of the UNICEF Germany's Ads Depicting Children in Blackface

April M. Larson (Department of Speech Communication)

Rachel M. Droogsma, Faculty Mentor (Department of Speech Communication)

College of Science, Engineering, and Technology**Protein-Protein Interactions of the $\beta 1$ and $\beta 2$ Forms of Actin Capping Protein**

Kevin Y. E. Strehler (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

Immunolocalization of Actin in Transgenic and Wildtype Murine Myocardium

Meghan Bohland, (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Optimizing the expression of foreign genes in *Mycobacterium smegmatis*

Ben Casey (Department of Biological Sciences)

Timothy Secott, Faculty Mentor, (Department of Biological Sciences)

*Recipient of Minnesota State University, Mankato Foundation Grant

Unstressed Corticosterone Levels of Male Rats with Surgically Induced Low Aldosterone Levels

Jillian Deets (Department of Biological Sciences)

Penny Knoblich, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

A Comparison Among Three Sampling Methods to Calculate Biotic Integrity in the Greater Blue Earth River Basin

James H. Fett (Department of Biological Sciences and Environmental Sciences)

Shannon J. Fisher, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Large Grant

Ultraviolet radiation screening effectiveness of three coniferous tree species during spring thaw events in Southern Minnesota.

Christopher M. Gardner and Daniel R. West (Department of Biological Sciences)

Christopher T. Ruhland, Faculty Mentor (Department of Biological Sciences)

Effect of Normal Polyglutamine Polymorphism on Huntington Disease Protein Function.

Daniel L. Haus (Department of Biological Sciences)

Geoffrey. M Goellner, Faculty Mentor (Department of Biological Sciences)

*Recipient of Minnesota State University, Mankato Foundation Grant

Screening for the Presence of a Transgene in Genetically Altered Mice

Der-How Huang and Brad Skrukud (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

Vasculature Regeneration Following Partial Hepatectomy in the Rat

Brittany Frank and Sarah Karalus (Department of Biological Sciences)

Michael Bentley, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Cloning and Initial Functional Characterization of Unknown Gene KIAA1946.

Kyle Jensen (Department of Biological Sciences)

Geoffrey M. Goellner, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Histological Analysis of Myocardium of Genetically Altered Mice

Joshua Kamrud (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Generation of Rabbit and Chicken Polyclonal Antibodies

Jenna Kastenschmidt (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

The Effect of Chronic Exercise on Vascular and Kidney Responses to Angiotensin II in the Wistar Kyoto rat (WKY)

Brian Lovig (Department of Biological Sciences)

Penny Knoblich, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Formulation of an X-Ray Opaque Polyurethane Material for Vascular Studies

Charalatte Mathwig (Department of Chemistry and Geology)

Michael Bentley, Faculty Mentor (Department of Biological Sciences)

Brian Groh, Faculty Mentor (Department of Chemistry and Geology)

*Recipient of Undergraduate Research Conference Small Grant

Immunofluorescent Analysis of Actin Expression in Genetically Modified vs. Wildtype Murine Ocular Muscle

Aaron C. Peck (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

Characterization of Proteins that Interact with the Alpha Subunit of Actin Capping Protein

Ryan Raver (Department of Biological Sciences)

Marilyn C. Hart, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Binding of Topical Skin Preparations to Skin

Kassandra Schleis (Department of Biological Sciences)

Michael Bentley, Faculty Mentor (Department of Biological Sciences)

Microvascular Structure of the Rat Heart

Laurie Colson, Charlotte Mathwig, and Cheryl Thompson (Department of Biological Sciences)

Michael Bentley, Faculty Mentor (Department of Biological Sciences)

*Recipient of Minnesota State University, Mankato Foundation Grant

Performance Comparison of Two Processing Techniques for New and Used Multiplate Hester-Dendy Macroinvertebrate Samplers

Justin Valenty (Department of Biological Sciences)

Shannon Fisher, Faculty Mentor (Department of Biological Sciences)

Examination of *Mycobacterium avium* subspecies *paratuberculosis* for the formation of organic films in culture.

Cody Waisanen (Department of Biological Sciences)

*Timothy Secott and Michael Bentley, Faculty Mentors (Department of Biological Sciences)**Recipient of Undergraduate Research Conference Small Grant

The Effect of Activated Charcoal on Soil Microbial Communities in Symbiotic Relationships with Invasive Plant Species.

Nisajith N.P. Welikadage (Department of Biological Sciences)

Bradley Cook and Timothy Secott, Faculty Mentors (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Large Grant

Characterization of Peripheral Neurovascular Capillary Structure

Adam W. Sudbeck and Michael W. Witthaus (Department of Biological Sciences)

Michael Bentley, Faculty Mentor (Department of Biological Sciences)

*Recipient of Undergraduate Research Conference Small Grant

Extraction and Identification of Compounds in Bitter Leaf (*Vernonia Amygdalina*)

Leonard Che Fru (Department of Chemistry & Geology)

Danae Quirk Dorr, Faculty Mentor (Department of Chemistry & Geology)

*Recipient of Undergraduate Research Conference Small Grant

Identification and Stability of Cadmium-Fluoroquinolone Antibiotic Complexes in the Presence and Absence of Clay Minerals

Aaron L. Danberry (Department of Chemistry & Geology)

Trent P. Vorlicek, Faculty Mentor (Department of Chemistry & Geology)

*Recipient of Minnesota State University, Mankato Foundation Grant

Analysis of potential chemical reactivity's between selected O-T-C and commonly prescribed drugs

Lindsey Faulks (Department of Chemistry & Geology)

Danae Quirk Dorr, Faculty Mentor (Department of Chemistry & Geology)

*Recipient of Undergraduate Research Conference Small Grant

Isomorphous replacement Ca by rare-earth elements in structure of Vanadate Apatite

Susan Gerbensky (Department of Chemistry & Geology)

Lyudmyla Ardanova, Faculty Mentor (Department of Chemistry & Geology)

The Effect of Maternal Aldosterone Levels On The Expression Of 11B-HSD Isoenzymes In Normal and Hypertensive Rat Placentae

Nicole L. Jorissen (Department of Chemistry & Geology)

Theresa Salerno and James Rife, Faculty Mentors (Department of Chemistry & Geology)

Penny Knoblich, Faculty Mentor (Department of Biological Sciences)

*Recipient of Minnesota State University, Mankato Foundation Grant

Development of a Quick SSCP Method to Detect the Common O Variant Alleles

Kul Karanjeet and Casey Malone (Department of Chemistry & Geology)

Theresa Salerno, Faculty Mentor (Department of Chemistry & Geology)

*Recipient of Undergraduate Research Conference Small Grant

Examination and Comparison of Modern Teaching Methods

Megan Munneke (Department of Chemistry & Geology)

Mary Hadley and Danae R. Quirk Dorr, Faculty Mentors (Department of Chemistry & Geology)

*Recipient of Undergraduate Research Conference Small Grant

Identification of SNPs in the Coding Region of Human mtDNA

Cassidy Punt (Department of Chemistry & Geology)

Elizabeth Smalley (Department of Chemistry & Geology)

Theresa Salerno, Faculty Mentor (Department of Chemistry & Geology)

The Comparison of Placental mRNA Expression of 11 β -Hydroxysteroid Dehydrogenases

Chihiro Yagi and Saadia Ranginwala (Department of Chemistry & Geology)

Theresa Salerno and James Rife, Faculty Mentors (Department of Chemistry & Geology)

Penny Knoblich, Faculty Mentor (Department of Biological Sciences)

Discovering the Structural Interactions Between Potential Anti-Cancer Agent NSC 652287 And Guanine

Mark Thompson (Department of Chemistry & Geology)

Danaè Quirk Dorr, Faculty Mentor (Department of Chemistry & Geology)

*Recipient of Undergraduate Research Conference Small Grant

How Guided Inquiry Classes Affect Student's Learning Chemistry

Brendan Roggow, (Department of Chemistry & Geology)

Jeffrey R. Pribyl, Faculty Mentor, (Department of Chemistry & Geology)

Mary Hadley, Faculty Mentor, (Department of Chemistry & Geology)

A Study of Raster Graphics and Image Manipulation Algorithms

Adam J. Bavier (Department of Computer Science)

Rebecca A. Bates, Faculty Mentor (Department of Computer Science)

Analysis of an Electronic Valve Diesel Engine

Jeremy Brandt (Department of Electrical Engineering Technology)

Vincent Winstead, Faculty Mentor (Department of Electrical Engineering Technology)

Automatic Analysis of Speech Prosody of Adolescents with Williams Syndrome and their Typically Developing Peers

Isaiah Houdek and Tatyana Mamchuk (Electrical & Computer Engineering & Technology)

Rebecca Bates, Faculty Mentor (Computer Science)

Patricia Hargrove, Faculty Mentor (Speech, Hearing, and Rehabilitation Services)

Improved Storm Data Processing through Parallel Computing Approaches

Shauna Smith (Department of Computer Science)

Rebecca Bates, Faculty Mentor (Department of Computer Science)

Deborah Nykanen, Faculty Mentor (Department of Mechanical and Civil Engineering)

Bringing a Van de Graaff Accelerator to Life

Olivia Rose Oliver (Department of Mechanical Engineering)

Scott Alexander Clarke (Department of Physics and Astronomy)

Arbin Timilsina (Department of Physics and Astronomy)

John Clymer (Department of Electrical & Computer Engineering & Technology)

Andrew D Roberts, Faculty Mentor (Department of Physics and Astronomy)

Women's Studies

College Women's Sexual Fantasies

Elizabeth Harders (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Betty Crocker and the Changing Role of the Homemaker

Britt Katuin (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Assessment of Women's Presence in International Relations Discourse

Laura Pinilla (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Masculinity In Maxim Magazine

Nicole Smith (Department of Women's Studies, Mass Communications)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

College Binge Drinking Advertisements and the Perpetuation of Gender Stereotypes

Stephanie Wager (Department of Women's Studies)

Cheryl Radeloff, Faculty Mentor (Department of Women's Studies)

Theatre and Dance

Paper to Floor: Linking Space to Movement Through Printmaking and Dance

Staci Lipps (Department of Theatre and Dance)

Dancers: Nicole Curry, Danielle Friedman, Kaitlin Johnson, Kelsey McGowan, Alyssa Townsend, Staci Lipps

Brad Garner, Faculty Mentor (Department of Theatre and Dance)

*Recipient of Undergraduate Research Conference Small Grant

Psychology

Attitudes, Feelings, and Thoughts: Burning Questions About Nicotine Use Among College Populations

Jessica C. Appel (Department of Psychology)

Dawn N. Albertson, Faculty Mentor (Department of Psychology)

Emily Stark, Faculty Mentor (Department of Psychology)

The Effect of On-line Training in Teams

Ariel B. Becker (Department of Psychology)

Andrea Lassiter, Faculty Mentor (Department of Psychology)

Emotional Context Between Certified Nurses Assistants and Residents with Dementia

Jaimie Elizabeth Bell, (Department of Psychology)

Jeffrey Buchanan, Faculty Mentor, (Department of Psychology)

Individual Experiences and Subjective Effects of *Salvia Divinorum* among Recreational Users

Laura E. Grubbs (Department of Psychology)

Dawn N. Albertson, Faculty Mentor (Department of Psychology)

*Recipient of Minnesota State University, Mankato Foundation Grant

Personality and attitude measures: The differences (and lack thereof) between marijuana users, psychedelic users and abstainers

Rachel D. Hanson (Department of Psychology)

Dawn N. Albertson, Faculty Mentor (Department of Psychology)

The Effects of Positive Peer Pressure Among Adolescent Girls: Academic Achievement Motivation and School Engagement

Megan Lynn Moran (Department of Psychology)

Sarah Sifers, Faculty Mentor (Department of Psychology)

Comparison of the Efficacy of Verbal and Pictorial Priming in the United States and Japan

Whitney Mone't Schmidt, (Department of Psychology)

Vinai Norasakkunkit, Faculty Mentor, (Department of Psychology)

*Recipient of Undergraduate Research Conference Small Grant

Cortical Evidence of Misperception

Samuel Hickman (Department of Psychology)

Jonathan Page, Faculty Mentor (Department of Psychology)

*Recipient of Minnesota State University, Mankato Foundation Grant

Automotive Engineering, Technology

Analysis of Emissions Using E85 on a Two-Stroke Snowmobile for the 2008 SAE Clean Snowmobile Challenge

Dylan Brandt and Andrew Pickle (Automotive Engineering Technology)

Bruce Jones, Faculty Mentor (Automotive Engineering Technology)

E20 Materials Compatibility on Elastomers

Chris Connors (Automotive Engineering Technology)

Gary Mead and Paul Steevens, Faculty Mentors (Automotive Engineering Technology)

Small Engine Dynamometer and E85 conversion

Brian Hovey, Ethan Schauer, Matt Schmidt, and Jon Slater (Department of Automotive Engineering Technology)

Bruce Jones, Faculty Mentor (Department of Automotive Engineering Technology)

*Recipient of Undergraduate Research Conference Small Grant

Design, Construction, and Testing of the 2008 FSAE Car Chassis

Adam Barber and Michael Hubert (Automotive Engineering Technology)

Bruce Jones and Gary Mead, Faculty Mentors (Automotive Engineering Technology)

High Mileage Commuter Vehicle Project

Reed Brown, Quinten Kovanen, William Wegner, and Dan Willeart (Automotive Engineering Technology)

Craig Evers, Faculty Mentor (Automotive Engineering Technology)

Neighborhood Electric Vehicle (NEV) Plug-in Hybrid

Christopher Henney, Garrett Soukup and Sean Wimer (Department of Automotive Engineering and Technology)

Bruce Jones Faculty Mentor (Department of Automotive Engineering and Technology)

Vincent Winstead, Faculty Mentor, (Department of Electrical and Computer Engineering Technology)

*Recipient of Minnesota State University, Mankato Foundation Grant

Turbocharged E85 Engine Project

Tadd Swanlund, Thad Olson, and Tim Welch (Automotive Engineering Technology)

Bruce Jones, Faculty Mentor (Automotive Engineering Technology)

Design, Construction, and Testing of the 2008 FSAE Cars Engine

Dustin Wayne and Charles Meyers (Department of Automotive Engineering Technology)

Bruce Jones and Gary Mead, Faculty Mentors (Department of Automotive Engineering Technology)

Anthropology, Ethnic Studies, and History

Assessing the Campus Climate at Minnesota State University, Mankato (MSU)

Alicia Brush (Department of Ethnic Studies)

Kebba Darboe, Faculty Mentor (Department of Ethnic Studies)

*Recipient of Undergraduate Research Conference Small Grant

Reconciling the Past in Minnesota: The Mankato Hanging Monument and the Duluth Clayton Jackson McGhie Memorial

Jay C. Busby (Department of History)

Melodie Andrews, Faculty Mentor (Department of History)

*Recipient of Minnesota State University, Mankato Foundation Grant

Applied Cultural Anthropology and Economic Examination of Potential Mankato Area Marathon

Michael William Luoma (Department of Social and Behavioral Sciences)

Paul Brown, Faculty Mentor (Department of Anthropology)

Does it Matter that Sleeping Beauty Waited for the Prince to Come? Virtues Highlighted in French Fairy Tales

Elisha I. Peterson (Department of History)

Christopher Corley, Faculty Mentor (Department of History)

Considering Democracy “An ‘Unrealistic’ Alternative”: The Results of The 1954 American Intervention In Guatemala

Mark Viskocil (Department of Psychology)

Matthew Loayza, Faculty Mentor (Department of History)

Breaking Social Confinement: An Analysis of Eighteenth-Century Women in the French Economy

Meghan B. Turok (Department of History)

Christopher Corley, Faculty Mentor (Department of History)

When I Grow Up to Be a Man: Masculinity and the Education of French Aristocratic Boys during the Early Modern Period

Amy Waller (Department of History)

Christopher Corley, Faculty Mentor (Department of History)

Family and Consumer Science, Human Performance, Nursing, Aviation, and Speech Communication

Confidence in College Athletes

Kimberly Halpin (Department of Speech Communication)

Warren Sandmann, Faculty Mentor (Department of Speech Communication)

The Role of School Nurses Regarding Mental Health for School Aged Children

Angela Herrig (School of Nursing)

Norma Krumwiede, Faculty Mentor (School of Nursing)

*Recipient of Undergraduate Research Conference Small Grant

Relationship between Athletes and Role Models

Kaytlin M. LeMier (Department of Speech Communication)

Warren Sandmann, Faculty Mentor (Department of Speech Communication)

Does Chronic Dieting Lower Resting Energy Expenditure Below That Estimated By Predictive Equations Thereby Increasing An Individuals Risk For Becoming Overweight Or Obese

Elizabeth Retzlaff and Lynsey Wetzler (Department of Human Performance)

David Bissonnette and Mary Visser, Faculty Mentors (Department of Family Consumer Science)

*Recipient of Undergraduate Research Conference Small Grant

Health Behaviors of Somali Families

Amina Salim (School of Nursing)

Norma Krumwiede, Faculty Mentor (School of Nursing)

*Recipient of Minnesota State University, Mankato Foundation Grant

Airplane Landing Performance on Contaminated Runways and Adverse Conditions

Saroj Pradhan (Department of Mechanical Engineering)

Rajeev Shakya (Department of Manufacturing Engineering Technology)

Juna Shrestha (Department of Mathematics)

Nihad E. Daidzic, Faculty Mentor (Department of Aviation Department)

Explosive and Rapid Decompression in Aircraft Cabins

Matthew Simones (Department of Mechanical Engineering)

Nihad E. Daidzic, Faculty Mentor (Department of Aviation, Mechanical Engineering)

Athletic Directors' Perceptions of Title IX

Rusty Allison and Klarissa Swenson (Department of Human Performance)

Cindra S. Kamphoff, Faculty Mentor (Department of Human Performance)

*Recipient of Minnesota State University, Mankato Foundation Grant

Speech Communication, Special Education, Sociology & Corrections, and Social Work**Support of Alums within the Forensics Community**

Grant Anderson (Department of Speech Communication)

Leah White, Faculty Mentor (Department of Speech Communication)

A Lover's Spat: Utilizing Richard Weaver's Topics to Analyze the Debate in Book IX of *Paradise Lost*

Nicole Goebel (Department of Speech Communication)

James Dimock, Faculty Mentor (Department of Speech Communication)

*Recipient of Undergraduate Research Conference Small Grant

Future Teacher's Perceptions of Treatment for Challenging Behavior in Autism

Renee Lee (Department of Special Education)

Ockjean Kim, Faculty Mentor (Department of Special Education)

*Recipient of Minnesota State University, Mankato Foundation Grant

Narratives from the Former Soviet Union to the United States

Kimberly Maas (Department of Sociology & Corrections)

Emily Boyd, Faculty Mentor (Department of Sociology & Corrections)

Camper Council: A Meaningful Involvement Initiative

Amanda Penning (Department of Social Work)

Annelies Hagemeister, Faculty Mentor (Department of Social Work)