

SOUTHWEST MINNESOTA STATE UNIVERSITY

Wednesday, November 29, 2017

Starting at 8:30 a.m. SMSU Conference Center

PROGRAM

Welcome and Keynote

SMSU Conference Center Upper Level

8:30...... Dr. Connie J. Gores, SMSU President, Opening Remarks

8:45...... Wokil Bam, SMSU Alumnus, Class of 2012

Envrionmental Science and Chemistry majors.

Oceanography PhD student at Louisiana State University.

Keynote Address: Active Learning- making the most of a college experience through research

Denotes research projects related to SMSU's 50th Anniversary

ORAL SESSION A

SMSU Conference Center Upper Level
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Agronomy, Biology, Creative Writing, Environmental Science
9:45 Justin Hill, Environmental Science, Using gravestones as a means to estimate the growth rates of <i>Dimelaena oreina</i> and <i>Xanthoria elegans</i> lichens in Southwest Minnesota
10:00Beau Swenson, Environmental Science, Differences in invertebrate populations as influenced by water quality at four locations in Lake Titow, Sibley County Minnesota
10:15Brayden Anderson, Environmental Science, Distribution of Lichen on Granite Outcrops in the Minnesota River Valley
10:30 BREAK
10:45 Melissa Klecker, Environmental Science, Characterization of
Tree Species in the ADM-SMSU Environmental Learning Area at Southwest Minnesota State University
11:00
11:15Taylor Olson, Environmental Science, Characterization of bacterial populations in soils of different ages after land use changes
11:30 Matthew D. Steinbronn, Environmental Science, Guide to Glacial Ridge Scenic Trail, Southwest Minnesota
11:45Aditya W. Harsono, Environmental Science, Soil island development on granitic outcrops in the Minnesota River Valley
12:00-1:15 Brittni Branch, Alexandra Krohn & Kaleigh Farrelly, Creative Writing- Original Works, Telling Secrets to the Trees: A Senior Portfolio Reading
1:15 Matthew D. Steinbronn, Tou Soua Vue & Courtney Popowski, Biology, Comparison of Lyme Disease Incident Rate in Lyon County and Hennepin County, Minnesota

1:30Taylor Olson & Matt Mattson, Biology, Comparison of goldenrod plant height and biomass from two soil types
1:45Lauren Kerr, Margaret Provo & Alan Zimmerli, Biology, Comparing Plant Density in a Restored Prairie vs. Old Field in the SMSU Wildlife Area
2:00Paige Hendrickson, Selena Herr & Anthonia Ameho, Biology, Comparison of Earthworm Densities in a Deciduous and a Coniferous Forest in the SMSU Wildlife Area
2:15Michelle Williams, Taylor Holicky & Beau Swenson, Biology, Comparison of macroinvertebrates in a coniferous versus deciduous forest in the SMSU wildlife area
2:30 Matt Mattson, Environmental Science, Trends in soil temperature of different habitats through time at the ADM-SMSU Environmental Learning Area Marshall, MN
2:45Troy Filzen, Javin Medenwaldt & Stephan Ameyaw, Biology, Comparison of Aerial Insects in a Prairie vs. a Wetland in the SMSU Wildlife Area 3:00BREAK
3:15 Chelsea Wiese & Mckenzie Besel, Biology, Animal densities of a wetland and a field habitat based on road kill
3:30 Brayden Anderson, Easton Popma & Steven Yang, Biology, Using Bird Strikes to Determine Bird Diversity on the SMSU Campus During Fall Migration
3:45Jakob Hicks, Agronomy, On site soil sampling and GIS analysis of accuracy
4:00Arthur Baur, Agronomy, The use of cover crops 4:45Awards Ceremony

ORAL SESSION B

Charter Hall 201

Agronomy, English, History, Literature, Political Science, Sociology and Theatre

10:00	Ryan Koopman, Political Science, Wins and Losses: Community Involvement and School Referendum Outcomes in Southwest
	Minnesota
10:15	Jenna Miller, Theatre, Quick Change Makeup: The Art of Becoming
	Multiple People On Stage
10:30	BREAK
10:45	Jakob Hicks, Agronomy, Efficacy and Affordability of Dicamba
	Adjuvant Packages
11:00	Ashlie Weber, Agronomy, Assessing the Variability of Extractable
	Phosphorus
11:15	Jakob Hicks, Agronomy, <i>Z. mays</i> Host Plant Resistance to <i>D.</i>
	virgifera

11:30Kaitlyn Leach, Psychology, Adoption: The Impact it has on Fam Relationships	ily
11:45	ung
12:00LUNCH BREAK	
12:30-1:20 Sara DeSmet, English, Prewriting in Middle School English	
Nicole C. Berning, English, The Importance of Connecting Read and Writing in a Middle School English Classroom	ding
Shelby Taylor, English, Motivating Adolescent Writers	
Emily Williamson, English, Effective Strategies to Provide Feed and Grade High School Students' Writing	back
1:30 Caleb Herrlich, Literature, The Prevalence of Philosophical Tho	ught
in Classic Literature and Its Changes Over Time	
1:45 Maggie Meyers, Kendra Jasso-Chukwuyem, Cody Sleiter & Tay	
Laabs, Sociology, Do Reality TV Shows About Teen Pregnancy	
Have Any Effect on The Actual Statistics?	
2:00	те
History of Minnesota	
2:15Lucas Freeman, History, The Hadley Buttermakers and the	
Minnesota Town Ball Tradition	
2:30- 3:15 Poems from the Poetry Workshop, English	
Desiree Bauer	
Emily Duchert Danielle Crowell	
Selina McCool-Kamstra	
Thalia Otero	
Austin Rusch	
McKenzie Swanson	
Sophia White	
3:30 Sarah Hunter & Ashley Wulkan, Nursing, There's No Room in the	ne
Inn: The Need for Community-Based Behavioral Health Care	
The results community based behavioral reduct out	

POSTER PRESENTATION SESSION A

SMSU Conference Center Lower Level Posters displayed 8:30 am to 5:00 pm

Accounting, Agribusiness, Agronomy, Biology, Chemistry, Computer Science, Environmental Science, Exercise Science Mathematics

(Time listed is when author will be present at the poster.)

1	Carter Barker, Mathematics, Derangement: Abnormal Permutation?
	12:30-2:00
2	Taylor Holicky, Riology, Why the honor hadger is unaffected by

3	
4	
	Formal 1:00-1:30, Informal 11:00-11:30, 1:30-2:00
5	Ashley Hoehne, Ashton Bartlett, Tanner Luebke & Alexander
	Jorgensen, Exercise Science, Landing Mechanics between
	Dominant and Non-Dominant Legs, Ashley 10:00-11:30, Ashton
	11:00-12:30
6	Jessie Janisch & Jordan Flinn, Exercise Science, Mirror training and
	functional movement in hemi-plegic stroke victims, Jessie 1:00-
	2:30, Jordan 2:00-3:30
7	
	Exercise Science, Landing Mechanics in non-ACL and ACL
	Repaired Individuals, Tanner 1:00-2:30, Alex 2:00-3:30
8	Alison Radunz, Exercise Science, No Effects of a Companion
	Animal on Physical Activity, 9:30-11:00
9	
	4:00
10	
	3:30
11	
	of Exercise on Wheelchair User's Trunk Mobility and Flexibility
	Using a Wall Goniometer, Hannah 2:30-4:00, Sarah 10:30-12:00
12	Greta Geist & Carter Kirk, Exercise Science, Menstrual Cycle
12	Effects on Volleyball Related Performance, Greta 9:30-11:00, Carter
	2:30-4:00
13	
10	Certified Public Accountants? 3:30-4:30
11	
14	Science, Skin Proprioceptive Effects on Wrestlers' Reaction Time,
	Taylor 10:00-11:30, Antonio 1:00-2:30, Landyn 11:30-1:00
15	Erin Kamann, Tyler Lothert & Chase Onken, Exercise Science,
15	
	Flexibility and Balance in Active and Sedentary College Students,
40	Erin 10:30-12:00, Tyler 12:30- 2:00, Chase 2:30-4:00
	Okony Onyongo Agwa, Agronomy, Organic Farming, 10:30-12:00
18	Abhishek Shrestha, Computer Science, Image Translation Android
	Application, 12:30-12:00
19	Breanna Houselog, Agronomy, Temperature Effects on Corn Seed
	Germination, 10:00-11:30
	Ty Bird, Computer Science, Zombie Dash, 10:30-12:00
	10:30-11:30

22	Christopher Berg, Cody Friedges, Nona Meunsy, Biology, The Allelopathic Effects of Green Tea Extract On Growth of Tomato
	Plants, Nona/Chris 2:00-2:45, Cody 2:45-3:30
23	Ryan Riebel, Agronomy, Comparing the Universal Soil Loss
	Equation (USLE) to the Revised Universal Soil Loss Equation
	(RUSLE), 10:30-12:00
24	Haruki Nagata & Olympia Lala, Computer Science, Find my tutor,
	10:30-12:00
25	Michaela Fassler, Mathematics, A Curious Proof of Fermat's Little
	Theorem, 11:30-1:00
26	Ashlie Weber, Breanna Houselog & Marissa Mattson, Biology,
	Allelopathic effects of orange (Citrus sinesnsis) peel extract on
	basil 'mammoth' (<i>Ocimum basilicum</i>) height and dry weight,
	Ashlie/Breanna 1:00-1:45, Marissa 10:15-11:00
27	Abby Einck and Nick Schmitz, Agro Economics, Economic
21	Development, 3:00-4:30
20	•
20	Aaron Wollschlager, Computer Science, Developing Space
00	Defender, 10:30-12:00
29	Tawnni Slagel, Amber Tjaden & Angie Wenning, Exercise
	Science, Interval Training Effects on Arterial Stiffness in Middle-
	Aged People, Tawni 10:30-12:00, Amber 2:00-3:30, Angie 12:30-
	2:00
30	Spencer Petrich, Agronomy, Effects of Soil Compaction on Corn
	Yields, 10:30-12:00
31	Shawn Griffin, Hayden Acker & Noah Sander, Biology, The
	Allelopathic Effects of Orange Peel Extract on Corn Growth,
	Shawn 11:00-11:45, Hayden/Noah 2:45-3:30
32	Fadumo Ismail, Hayley Gerdes, Anthonia Ameho & Katie
	Boerboom, Biology, Allelopathic Effects of Ferulic Acid on Sweet
	Corn, Anthonia/Katie 9:45-10:30, Fadumo/Hayley 2:00-2:45
33	Trenton Draeger, Agronomy, Germination Rates of Conventional
	Corn at Different Temperatures, 10:30-12:00
34	Zachery Doose & Annie Samuelson, Chemistry, Computational
•	Characterization of Intermediates in the Electrochemical
	Reduction of Triazine Herbicides, 2:30-4:00
35	Justin Hill & Garrett Wee, Environmental Science, Field Guide to
35	
00	the SMSU-ADM Environmental Learning Area, 1:30-3:00
36	Anthony Angrimson, Computer Science, Counting Bacteria
	Colonies Using Image Recognition, 1:00-2:30
37	Kristen Bosveld, Mathematics, Mathematical Permutations of
	Musical Scales, 3:00-4:30
38	Alana Christianson, Mathematics, Statistical Analysis of the
	SMSU Women's Basketball Team, 1:00-2:30
39	Daryn Thompson, Computer Science, VR Game Demonstration,
	1:00-2:30

POSTER PRESENTATION SESSION B

Student Center Upper Level (SC 216)
Posters displayed 8:30 am- 5:00 pm
Culinology, History, Hospitality Management,
Justice Administration, Sociology, Theatre
(Time listed is when author will be present at the poster.)

	Hannah Redmond, Miranda Giese, Kayla Wartner, Shane Ratkovich & Courtney Mulder, Justice Administration, "School to Prison Pipeline": The Impact of Zero Tolerance Policy on Students of Color, Miranda/Kayla 11:30-12:30, Hannah/Courtney/Shane 12:30-1:30
	Rose Schmit, History, Clara Ueland's Path to Leadership in the Minnesota Woman Suffrage Association, 1:00-2:30
42	Haley Bennett, Stacey Vue, Morgan Tyndall, Amelia Marroquin & Sushma Bakhunchhe, Hospitality Management, SMSU fan and student satisfaction on concession stands at SMSU football games, Amelia/Morgan/Stacey 9:30-10:30, Haley/Sushma 10:30-11:30
	Mari West, Yangi Sherpa, Samantha Mehus, Devon Lyons & Britta Iverson, Hospitality Management, Revisit to the Performance of SMSU Dining Services: comparison with the previous year, Samantha/Mari 9:30-10:30, Devon/Britta 10:30-11:30
44	Athena Golling, Alexandra Krohn, Laxmi Shova Rana Magar & Cody Tavarez-Curtis, Hospitality Management, Observing motivating factors of students in choosing off campus or on campus dining options, Alexandra/Laxmi 9:30-10:30, Athena/Cody 10:30-11:30
45	Caitlin Schmidt, Theatre, Changes in Stage Makeup Uses and Applications Over the Last 50 Years, 11:30-1:00
46	Jordan Stangeland, Theatre, Prosthetics in Film and Television (1967-2017), 2:00-3:30
47	Muna Mohamed, Dylan Beatty, Zach Beaumaster, Jacob Broberg & Nicholas Esping, Justice Administration, Law Enforcement and The Use of Body Cameras, Muna/Nick 11:30-12:30, Dylan/Jacob 1:00-2:00, Zach 3:00-4:00
48	Gage Backman, History, The Farmers' Holiday Association in Southwest Minnesota 1932-1933, 1:00-2:30
49	Sariah Cheadle, Fine Arts and Communication, The SMSU Writing Center: Then and Now, 1:00-2:30
50	Paul Ragan, Theatre, Changes in Makeup Products from 1967-2017, 2:30-4:00
	Peyton Sanders, History, The Duluth Lynchings of 1920, 2:00-3:30 Sophie Johnson, History, The O'Connor Layover Agreement, 11:30-12:30

53	Tamara Hellendrung, History, Dakota War of 1862, 1:00-2:30
	Mandy Harris, Chanelle Helmers, Michael Dombrowski & Brittany
	Ference, Sociology, Pink, Blue, or Yellow: Can You Raise Children
	Gender Neutral? 1:30-2:45
55	Brianna Krumwiede, History, Jane Grey Swisshelm: A Contradiction,
	10:00-11:30
56	Taylor Krogman, History, Black Box: The Sue Cochran Kidnapping
	and Free Love in the 1970's, 1:30-2:30 50
57	Shay All Runner, Culinology, Preventive Controls for Human Food
	and How It Keeps our Food Safe, 10:00-11:30
58	Clarissa Geisel, Culinology, Development of Gluten-free Pie Crusts
	with Good Freeze/Thaw Stability, 2:00-3:30
59	Morgan Benson, Theatre, Vogue Cover Makeup From 1967 To
	Present, 10:00-11:30
60	Raxson Rax, Theatre, The History of the Black Box, 2:00-3:30
	Leah Graham, Theatre, Old Age Makeup: A Process, 10:00-11:30
	Danny McDonnell, Theatre, Lighting Techniques of The Past 50
	Years, 10:00-11:30 50
63	Jaylee Schanus, Theatre, The Changes in Theatre Sound Technology
	over 50 years, 1:00-2:30 3
64	Michelle Stoner, Sociology, Dating Behaviors of International
	Students at SMSU and ECU, 1:00-2:30
65	Josh Falk, History, Causation of the Dakota War, 10:30-12:00
66	Thomas Knudson, Theatre, The Time Around Under Milk Wood,
	11:00-12:30
67	Whitney McCamish, Theatre, Shakespeare at Southwest Minnesota
	State University, 12:30-2:00
68	Becca Green, Theatre, Musicals of 1967 and How They Represent
	the Time Period, 1:30-3:00 🖸
69	Megan Schultz, Culinology, Development of pulse flour-based pasta,
	10:00-11:30
	Rachel Stender, History, The Dakota 38, 9:30-10:30
71	Rachel Stender, History, The Howard Lake POW Camp: 1944-1945,
	10:30-11:30
72	Zachary Gritmacker, Kaitlyn Leach, Danielle Lohse & Nick Santos,
	Justice Administration, Environmental Injustice: What It Is and Who Is
	Impacted, Zach/Kaitlyn 1:30-2:30, Danielle/Nick 2:30-3:30
73	Avianna McFarquhar, Theatre, The Student Center's Changes
	Through 50 Years, 10:30-11:30 🖸

POSTER PRESENTATION SESSION C

BA Library Plaza (BA 272)

Posters displayed 8:30 am- 5:00 pm Nursing, Political Science, Psychology

(Time listed is when author will be present at the poster.)

74	. Bethany Block, Ashley, Bohlsen, Olive Jones & Edna Masese,
	Nursing, Hand Washing and the Spread of Clostridium Difficile,
	11:00-12:30
75	. Danna Steffen &Tenae Ashton, Nursing, Lice in Schools: Nit or Not,
	12:00-1:30
76	. Megan Vangsness, Teresa Haase, David Haase & Jennifer Jager,
	Nursing, Breastfeeding: Benefits, Tools and Resources, 10:30-12:00
77	. Darci Aslesen, Myckenzie Sefkar & Josie Loll, Nursing, Fall
	Prevention in Long-Term Care, 1:30-3:00
78	. Sarah Blom & Lindsay Mitlyng, Nursing, Mandating influenza
	vaccines for healthcare workers and its effects, Lindsay 10:30-
	12:00, Sarah 12:30-2:00
79	. Kayla Moser, Kim Anderson, Liz Bunjer & Sheena St. Aubin,
	Nursing, Keeping it at the bedside, Kayla/Kim 10:00-11:30, Liz/
	Sheena 11:00-12:30
80	. Austin Olson, Political Science, Affordable Housing Shortage in
	Greater Minnesota, 2:00-3:00
81	. Muna Mohamed, Political Science, Police Training and Immigrant
	Contact in Southwest Minnesota, 1:00-2:30
82	. Saul Eugene, Political Science, Disparities in Handling of Petty
	Crimes in Marshall, Minnesota, 2:30-4:00
83	. Katherine Lee, Political Science, No Vacancies: Addressing
	Southwest Minnesota's Childcare Shortage, 12:30-2:00
84	. Gage Backman, Political Science, Mental Health Care Workforce
	Shortage in Greater Minnesota, 2:30-4:00
85	. Deewan Bajracharya & Pushpa Chhantyal, Psychology,
	Developmental Disabilities Due to Fetal Alcohol Spectrum Disorder,
	1:00-2:30
86	. Sarah Mayfield & Hannah Palmeter, Psychology, The Fall 2017
	Inclusive Fitness Programs' Effects on Participants' Depression,
	Aggression, and Self-Esteem Levels, Hannah 11:30-1:00, Sarah
	2:30-4:00
87	. Amanda Hartmann, Tyler Punke, Mady Sowle & Zachairley Eisden,
	Psychology, The Influence of Level of Extroversion on Time
	Perception, 11:00-12:30
88	. Emily Buchert, Quinn Swenson & Kaitlin Vos, Psychology, Time
	Perception among "Gamers" vs. Non-"Gamers" 11:00-12:30

89	. Dawa Rai & Tara Thapa Magar, Psychology, Impact of Parental
	Divorce on Child Development, 2:30-4:00
90	. Jacob L. Benson, Amanda L. Johnson & Crystal R. Yearous,
	Psychology, Attention From Dot-to-Dot, 11:00-12:30
91	. Brooke Thompson, Jenifer Willemssen, Jada Hill, Samantha
	McNeel, Psychology, Time Perception and Memory for Complex
	and Simple Paintings, 11:00-12:30
92	. Andrea Fuerstenberg, Elias Mensah & Tegen Thon, Psychology,
	The Effect of Emotion on Time Perception, 11:00-12:30
93	. Sherry Helleksen, Nursing, How Does Management Affect Nurse
	Retention? 11:00-12:30





