Winter Creative Activities and Research Days

www.radford.edu/wintercard

RADFORD UNIVERSITY

Dec. 4, 2019 Noon to 6 p.m. Kyle Hall 340

Office of Undergraduate Research and Scholarship

Winter CARD Coordinators in OURS

Joe Wirgau, Director Maggie Pate, Associate Director Alyssa Thompson, Administrative Assistant Zoe Millard, Graduate Assistant Sam Doncaster, Executive Student Assistant Jillian Rauch, Executive Student Assistant

The following individuals and officers are acknowledged for their contributions:

Jeff Aspelmeier, Chair of Psychology

Roann Barris, Professor of Art

Ann Elliott, Director of The Center for Gender Studies

David Horton, Assistant to the Dean of Artis College

Jonathan Mayer, Assistant Manager Printing Services

Hannah Moses, Media Designer University Relations

Meghan Spraker, Dir Digital Communications, University Relations

Ellen Taylor, Assistant Director Career and Talent Development

Jeff Willner, Professor of Psychology

Josh Wimmer, Graphic Production Tech Printing Services

Welcome:

It is my pleasure to welcome you to the Inaugural Winter Creative Activities and Research Days at Radford University. Building on the tradition of successful events such as the Student Engagement Forum in the spring and seven years of the Psychology and Gender Research Symposium, Winter CARD represents multiple events for students to disseminate their knowledge during the last week of the Fall semester. In total across three days and four buildings over 500 students will be presenting their original work. As much as the students working on these projects are changed from the experiences, their numbers and the need to create events to present their hard won accomplishments represents the transformative changes that continue at Radford University. We believe that these events truly reflect "Embracing the Tradition and Envisioning the Future" and couldn't agree more with President Hemphill that "there is no limit to what the future holds and what we can achieve together as one Radford family." –With Highlander Pride, Dr. Joe Wirgau, Director of the Office of Undergraduate Research & Scholarship

Winter CARD Events

December 3rd Psychology and Gender Research Symposium

Session 1 Oral Presentations	Heth 022	4:00 – 6:00 pm
Session 2 Poster Presentations	Heth 014	4:00 – 5:00 pm
Session 3 Poster Presentations	Heth 014	5:30 – 6:30 pm

African Art Exhibit Mentored by Dr. Roann Barris, Professor of Art History 2:00 pm December 3rd Reception with music and light refreshments in Porterfield 205

Haitian Vodou Drapo Flag - Damballah

Presenters: Savannah Penven

Les Vrai Femmes D'Algers: Baya Mahieddine and her Works Presenters: Sidney Ripley

Haitian Altar in Reverence to Ayida Weddo and Damballah Presenters: McKenna Bevins

Basotho Painted Houses

Presenters: Lanie Boyd

Haitian Sequin Bottle

Presenters: Robert Milby

Haitian Vodou Bottle

Presenters: Hannah ODell

December 4th Kyle Hall 340 Schedule of Events:

Session I	12:00 – 12:50 pm	pages 2-4
Session II	1:00 – 1:50 pm	pages 5-6
Session III	2:00 – 2:50 pm	pages 7-9
Session IV	3:00 – 3:50 pm	pages 10-12
Session V	4:00 – 4:50 pm	pages 13-14
Session VI	5:00 – 5:50 pm	pages 15-17

December 5th Artis College Showcase

3:00 - 6:00 pm Various Locations in the Center for the Sciences

Dirty Mouth: Assaying the Effects of Differential Environments on Orally Collected Bacteria			
Presenters:	Jordanne Rolan Bridget Ward	Lucy Smith	Jordan Reddy
Faculty Mento	9	Biology	
Clean Mouth	: Testing Bacterial Growth on	a Toothbrush	
Presenters:	Courtney Streeby Gage Rippel	Makenzie Lewis	Maddie Yancey
Faculty Mento	r: Jason Davis	Biology	
Your Feet are	e Gross: The Effects of Sugar,	Salt and Heat on Fo	oot Bacterial Growth
Presenters:	Kate Sundie Kirbie Conner	Trinity Haynes	Destiny Austin
Faculty Mento	r: Jason Davis	Biology	
Bacterial Gro	wth on Hand: The Effects of '	Temperature, Salt, a	and Sugar
Presenters:	Alayna Johnson Wakilah Turner	Kate Mullins	Bobbi Ferguson
Faculty Mento	r: Jason Davis	Biology	
Effects of He	at, Salt, and Sugar on Growth	of Bacteria Isolated	from a Laptop
Presenters:	Emily Cha Sarah Lambert	Hannah Hylton	Grace Brady
Faculty Mento		Biology	
A Tree-Ring	Analysis of <i>Pseudotsuga men</i>	<i>ziesii</i> Growing in Wy	yoming
Presenters:	Olivia Ligon		
Faculty Mento	r: Stockton Maxwell	Geospatial Science	
Racial Differ	ences and the Causes of Wron	gful Convictions	
Presenters:	Valente Perez III Andrew Dillon	Olive Wimmer	Quentasia Johnson
Faculty Mento	r: Margaret Pate	Criminal Justice	
How Campus	s Size Affects the Perception o	of Policing	
Presenters:	Austin White	Hunter Hill	Edward Weaver
Faculty Mento	r: Margaret Pate	Criminal Justice	
Social Attitud	les Towards Mass Shootings		
Presenters:	Megan Wright	Phoebe Markwood	Eric Dorsey
Faculty Mento	r: Margaret Pate	Criminal Justice	

WINTER CARD: SESSION I 12:00 PM – 12:50 PM

Presenters:	Overcrowding And Safety Of Ian O'Connor r: Margaret Pate	Prisoners/ Guards Mack Delgadillo Criminal Justice	Zhabre Price
The Effects (of pH On Probiotic Bacteria		
Presenters:	Janee Knight	Kayla Snyder	Autumn Brown
	r: Tara Pelletier	Biology	
Liquid Probio	otic vs. Capsule Probiotic		
Presenters:	Emma Roberts	Alexis Williamson	Jaelyn Harris
Faculty Mento:	r: Tara Pelletier	Biology	
Probiotics: Cl	FUs in Capsules vs. Liquids		
Presenters:	Austin Schneider	Alan Le	Mariana Herrera
Faculty Mento:	r: Tara Pelletier	Biology	
A Gutty Feeli	ng		
Presenters:	Quintin Goodman	Naudia Gunn	Sierra McShaw
Faculty Mento	r: Tara Pelletier	Biology	
Finding a Dil	ution Solution		
Presenters:	Kameron Hughes	Kyeem Dicks	
Faculty Mentor	r: Tara Pelletier	Biology	
Who Did It B	etter? Kombucha vs. Capsule		
Presenters:	Nora Okes	Madisyn McCoole	
Faculty Mentor	r: Tara Pelletier	Biology	
The Effect Of	A High Acidity Environment	t On The Growth Of A Bac	teria Culture
Presenters:	Rachel Pham	Meghan McNulty	
Faculty Mento:	r: Tara Pelletier	Biology	
Oxyclean Pre	sumptive Blood Test		
Presenters:	Eric Vaughn	Benjamin Manente	Stephanie Vigil
	Kayla Condron	Dena Belanger	1 0
Faculty Mento:	-	Criminal Justice	
Women's Equ	ality in Developing Nations		
Presenters:	Emily Jenkins		
Faculty Mento:	r: Stephanie Bradley	Sociology	
Leadership of	Followership? Which One De	oes Team Sport Teach?	
Presenters:	Jared Layman	Khiana Johnson	
Faculty Mento	r: Kevin Ayers	Health and Human Perform	nance

WINTER CARD: SESSION I 12:00 PM - 12:50 PM

Should College Athletes be Compensated? California and its Impact on College Athletics

Presenters: Connor Buswell Faculty Mentor: Kevin Ayers Alyssa Snow Health and Human Performance

The Three Signs of a Miserable Job: What They are and How Managers Can Avoid Them

Presenters: Tyler Malamisura Faculty Mentor: Kevin Ayers

Health and Human Performance

Transformational vs. Transactional Leadership Styles for College Coaches

Presenters: Will Holladay Faculty Mentor: Kevin Ayers Kyle Altizer Health and Human Performance

Good Bacteria

Presenters: Grace Akoto Faculty Mentor: Tara Pelletier Anisa Hughes Biology Kendra Sloane

WINTER CARD: SESSION II 1:00 PM – 1:50 PM

Bioassessment of Radford's Stormwater Ro	emediation Wetland		
Presenters: Biol 131 students			
Faculty Mentor: Ariel Firebaugh	Biology		
Cultural Genocide of the Uyghur Minority	in Xinjiang, China		
Presenters: Jonathan Nester			
Faculty Mentor: Iuliia Hoban	Political Science		
China's Social Credit System as a Violation	n of Human Rights		
Presenters: Haley Nunez			
Faculty Mentor: Iuliia Hoban	Political Science		
Searching Darkness: A Theoretical Approa	ch to International Collaboration		
Presenters: Sebrena Williamson			
Faculty Mentor: Ji-Eun Lee	Dance		
Computational Assessment of the Ecologic	cal Niche of <i>Ursus maritimus</i> Usir	ng Future Climate	
Models			
Presenters: Sir Nottingham			
Faculty Mentor: Tara Pelletier	Biology		
My Favorite Protein Project			
Presenters: Biol 231 students			
Faculty Mentor: Tara Phelps-Durr	Biology		
West Nile Virus			
Presenters: Ethan Peggins	Steven Lane	Alan Cuoto	
Faculty Mentor: Kathleen Poole	Health and Human Performance		
Nipah Virus			
Presenters: Brooke Johnson	Ashawntia Richardson		
Faculty Mentor: Kathleen Poole	Health and Human Performance		
What is Power When it Comes to Leadersh	ip and Motivation of Workers?		
Presenters: Caleb Brown	-		
Faculty Mentor: Kevin Ayers	Health and Human Performance		
Indoor Professional Volleyball: Opinions for Americans to Play Overseas			
Presenters: Morgan Goodman			
Faculty Mentor: Kevin Ayers	Health and Human Performance		
Ebola			
Presenters: Colton Miles	John Zilk	Austin Wolfe	
Faculty Mentor: Kathleen Poole	Health and Human Performance		

WINTER CARD: SESSION II 1:00 PM – 1:50 PM

Lyme Disease

Presenters: Mary Beth Saunders Faculty Mentor: Kathleen Poole

Cholera

Presenters: Dilara Beg Faculty Mentor: Kathleen Poole

Dengue Fever Presenters: Bobbi Black Faculty Mentor: Kathleen Poole

Chagas

Presenters: Patricia Schaal Faculty Mentor: Kathleen Poole

Zika

Presenters: Musavyimana Marietta Faculty Mentor: Kathleen Poole

Plague

Presenters: Kayla Bishop Faculty Mentor: Kathleen Poole Michell Hernandez-Garcia H Health and Human Performance

Donovan Pittman Health and Human Performance

Cole Houchins Health and Human Performance

Brett Ronyces Health and Human Performance

Jamison Cook Health and Human Performance

Brennen Richardson Health and Human Performance Elise Jarema

Jordan Spence

Kelly Bryant

Sandra Brackett

Trya Sharpe

WINTER CARD: SESSION III 2:00 PM – 2:50 PM

Selective Grov	vth Of Lactobacillus Present	In Probiotic Supplements	
Presenters:	Katie Price	Taylor Smoot	Taquon Thaniel
	Tehya Fuqua	Thomas Lyttle	
Faculty Mentor	:: Sarah Foltz	Biology	
Probiotics in t	he Digestive System		
Presenter:	Emma Bradley		
Faculty Mentor	:: Sarah Foltz	Biology	
Probiotics La	b		
Presenters:	Virginia Ozolins	Georgia Hardy	Alexis Ritter
	Jadon Williams	Jared Miller	
Faculty Mentor	:: Sarah Foltz		
The Effect of	Sugar Levels on Probiotic Co	olonies	
Presenters:	Alison Gebhard	Marion Nanney	Allison Lowie
	Kaitlyn Einreinhof	-	
Faculty Mentor	•	Biology	
The Influence	of Climate on Tree Stomata	Density	
Presenters:	Bryan White	Lauren Rodgers	Victoria Raulerson
	Amanda Bowman	John Rasnick	
Faculty Mentor	:: Christine Small	Biology	
Our Campus '	Trees and Their Stomata		
Presenters:	Gigi Burns	Arvin Nguyen	Affiba Beke
	Ashanti Turner	0,1	
Faculty Mentor	:: Christine Small	Biology	
Quantifying S	tomata Based on Leaf Size		
Presenters:	Abi Naughton	Lyndsie Cruz	Sean Villedrouin
	Isaiah Copeland	<u> </u>	
Faculty Mentor	:: Christine Small	Biology	
Differences in	Leaf Stomata Density betwe	en Evergreen and Deciduo	us Trees
Presenters:	Chasity Tompkins	Alexa Price	Loren Albergottie
i resenters.	Mikayla Jones		Loren misergotae
Faculty Mentor	:: Christine Small	Biology	
Faculty Mentor	. Christine Sinan	Diology	
The Effect of	Region of Origin on Stomata	Density in Radford Univer	sity Campus Trees
Presenters:	Parker Edmonds	Will Cecil	Mia Bialobreski
	Olivia Ramsey		
Faculty Mentor	:: Christine Small	Biology	

Does Leaf Si	ze Affect Stomata Density?		
Presenters:	Monica Genova Wallington Dresslar	Nii Abraham	Olivia Tyson-Price
Faculty Mento	Wellington Dressler or: Christine Small	Biology	
Observed Sti	gma Around Speech and Inte	lligence	
Presenters:	Kati Poole	Anna Wheeles	Audra Jessee
Faculty Mento	or: Joe Wirgau	OURS	
Effects of a S	tudents' Sense of Belonging		
Presenters:	Noa Powell	Elizabeth Dudley	Evan Wood
Faculty Mento	or: Joe Wirgau	OURS	
Cognitive Be	nefits of Early Childhood Mu	sic Education	
Presenters:	Grant McDonel	Jared Williams	Nashaly Sasso
Faculty Mento	or: Joe Wirgau	OURS	
The Detrime	ntal Effects of Shark Finning		
Presenters:	Elise Simmons	Sierra Felty	William Carpender
Faculty Mento	or: Joe Wirgau	OURS	1
Calculating 7	fime of Death Using Forensi	c Entomology	
Galculating	mie of Death Come I ofensi		
Presenters:	Kaitlyn Sisk	Gracie Osborne	
•	Kaitlyn Sisk		
Presenters: Faculty Mento	Kaitlyn Sisk or: Joe Wirgau	Gracie Osborne OURS	
Presenters: Faculty Mento	Kaitlyn Sisk	Gracie Osborne OURS	
Presenters: Faculty Mento Exo Suit Tec	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney	Gracie Osborne OURS and into Society	
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau	Gracie Osborne OURS and into Society Spencer Phillips	
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento Not Just Cop	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving!	Gracie Osborne OURS and into Society Spencer Phillips OURS	Andrew Hill
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau sing, Thriving! Markel Wiggins	Gracie Osborne OURS and into Society Spencer Phillips	Andrew Hill
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Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento Not Just Cop Presenters: Faculty Mento Meme Tours	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving! Markel Wiggins or: Joe Wirgau im Now Trending	Gracie Osborne OURS and into Society Spencer Phillips OURS Brooke Baumgarten	Andrew Hill
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento Not Just Cop Presenters: Faculty Mento Meme Tours Presenters:	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving! Markel Wiggins or: Joe Wirgau	Gracie Osborne OURS and into Society Spencer Phillips OURS Brooke Baumgarten	
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento Not Just Cop Presenters: Faculty Mento Meme Tours Presenters:	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving! Markel Wiggins or: Joe Wirgau im Now Trending Benjamin Owen	Gracie Osborne OURS and into Society Spencer Phillips OURS Brooke Baumgarten OURS	
Presenters: Faculty Mento Exo Suit Tec Presenters: Faculty Mento Not Just Cop Presenters: Faculty Mento Meme Tours Presenters: Faculty Mento Faculty Mento	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving! Markel Wiggins or: Joe Wirgau im Now Trending Benjamin Owen or: Anita Zatori	Gracie Osborne OURS and into Society Spencer Phillips OURS Brooke Baumgarten OURS Recreation, Parks and To	urism
Presenters: Faculty Mentor Exo Suit Tec Presenters: Faculty Mentor Not Just Cop Presenters: Faculty Mentor Meme Tours Presenters: Faculty Mentor Faculty Mentor Faculty Mentor	Kaitlyn Sisk or: Joe Wirgau hnology: Out of the Movies a Coleen Maloney or: Joe Wirgau ing, Thriving! Markel Wiggins or: Joe Wirgau im Now Trending Benjamin Owen or: Anita Zatori	Gracie Osborne OURS and into Society Spencer Phillips OURS Brooke Baumgarten OURS Recreation, Parks and To	urism F estival

WINTER CARD: SESSION III 2:00 PM – 2:50 PM

Bacteria And Stomach Acid

Presenters: Torri Queen Quest Curtis Faculty Mentor: Sarah Foltz Daja Haynes Phoenix Norris Biology Wayne Henry

WINTER CARD: SESSION IV 3:00 PM – 3:50 PM

Teacher Work Sample Presenters: DaVonte Christmas Health and Human Performance Faculty Mentor: Stephen Shelton **Teacher Work Sample** Presenters: Courtney Coster Faculty Mentor: Stephen Shelton Health and Human Performance **Teacher Work Sample** Presenters: William Noe Faculty Mentor: Steve Shelton Health and Human Performance Vaughan-Bassett Furniture Company: Galax, Virginia's Industrial Savior Presenters: Danielle Walls Faculty Mentor: Mary Ferrari History Effects of pH on Plant Density and Insect Abundance Presenters: Noah Buchan Angie Holmes Sara North Katie Allen Faculty Mentor: Jamie Lau Biology Determining Whether Proximity to Roads Affects Pollutant Concentrations, Moss Volume, and Macro-Invertebrate Abundance in Wildwood Park Presenters: April Hiett Miranda Flack Logan Platt Tony Torres Faculty Mentor: Jamie Lau Biology **Quiver Surf and Skateboards** Colby Higgerson Presenters: Faculty Mentors: Bruce Parsons & Holly Cline Interior Design and Fashion The Origins Of Juvenile Delinquency: Perceptions From The Public Presenters: Tawanna Hodge Sydney Venable Adriene De Lilly Criminal Justice Faculty Mentor: Margaret Pate The Effect Of Alcohol On Blood Stains Ian O'Connor Presenters: Stephan Ignjatic Devin Johnston Austin White Anton Jones Criminal Justice Faculty Mentor: Eric Snow The Analysis of Hydrogen Peroxide on a Presumptive Blood Test Sarai Maguire-Hernandez Rayshell Torres-Santana Presenters: Taylor Sharpe Destiny Freeman Lyric Woodward Elise Beahm Faculty Mentor: Eric Snow Criminal Justice

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WINTER CARD: SESSION IV 3:00 PM – 3:50 PM

How to Get Away with Vinegar

Presenters: Delaney Sutherland Eric VanBurger Faculty Mentor: Eric Snow

Coke? Crime Scene Cleaner?

Presenters: Anna Mohrmann Hunter Hill Faculty Mentor: Eric Snow

Ammonia Synthetic Blood Test

Presenters: Alexis Harris Jamaica Woodford Faculty Mentor: Eric Snow

B.L.E.A.C.H.

Presenters:Jacob FilbertLuke BlackistonJordan DameronJanet AyikuFaculty Mentor: Eric SnowCriminal Justice

Carbonation to Incarceration?

Presenters: Hannah Stewart Kimber Duke Faculty Mentor: Eric Snow Kimberly Vallejos Bria Headen Criminal Justice

Lauren Folker

Savannah Widrig

Criminal Justice

Falyn Taylor

Myesha Wilson

Criminal Justice

Lance Singleton

Taylor Roberts Destinee Twitty

Joseph Baylor Keira Jones

Carrie Buchanan Zoe Moffett

Emily Shelton Richard Adams Criminal Justice Sarah Steffey

The Impact of Strength Training on Asymmetrical Tactical Loading Conditions with Basketball Players

Presenters: Tenae Washington Faculty Mentor: Chris Myers Donald Hicks Tristan Wikle Health and Human Performance

The Effects of Powerlifting

Presenters: Chris Wegner Faculty Mentor: Chris Myers Parker Franklin Health and Human Performance

Effectiveness of Flexibility Methodology: Static Stretching versus Foam Rolling for Recovery

Presenters: Joahna Bailey Faculty Mentor: Chris Myers

Effectiveness of Flexibility Methodology

Presenters: Brenden Wehrle Faculty Mentor: Chris Myers Kaylin Walston Meaghan Weitz Health and Human Performance

Krista Lancing Neil Barron Health and Human Performance

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WINTER CARD: SESSION IV 3:00 PM – 3:50 PM

Effects of Exercise on the Quality of Life

Presenters: Hannah Zeigler Faculty Mentor: Chris Myers Mary-Beth Worley Health and Human Performance

Effectiveness of Pre-Exercise Flexibility

Presenters: Logan Edwards Faculty Mentor: Chris Myers Shantia Johns Kyle Taggart Health and Human Performance

The Psychological and Physiological Effects of Tactical Training

Presenters: Elaine Morris Faculty Mentor: Chris Myers

Mikayla Bryant Health and Human Performance

Endurance Running and Its Effect on the Development of Osteoarthritis

Presenters:James ClatterbuckJacob FridleyFaculty Mentor:Chris MyersHealth and Human Performance

Mutual Effects of Strength and Flexibility Training

Presenters: Zack Grogan Faculty Mentor: Chris Myers Will Hardy Health and Human Performance

Effects of Static Stretching on Leg Power and Athletic Performance

Presenters:Jessica McPeakMalinda CooperFaculty Mentor:Chris MyersHealth and Human Performance

Flexibility Training Impacts on Strength Training

Presenters:	Jesse Lynn	Kareem Selwaeh
Faculty Mentor:	Chris Myers	Health and Human Performance

Impacts of Flexibility on Olympic Lifting

Presenters: Matt LaRue Faculty Mentor: Chris Myers Chris Rivera Health and Human Performance

The Impact of Strength Training on Asymmetrical Loading Conditions: A Review

Presenters: Brian Howell Faculty Mentor: Chris Myers Andrew Scott, Tyler Jump Health and Human Performance

Effectiveness of Flexibility Methodology

Presenters: Troy Allison Faculty Mentor: Chris Myers Jesse Draper Health and Human Performance

WINTER CARD: SESSION V 4:00 PM – 4:50 PM

Presenters:	gen Content of Connelly's Ru Dorian Custer	n	
Faculty Mentor	: Kristina Stefaniak	Chemistry	
A Literature R	eview of Laccase: a Multi-Co	pper Oxidase Used to Red	uce Water Pollution
Presenters:	April Hiett		
Faculty Mentor	: Sarah Kennedy	Chemistry	
Scavengers of	Bird Carcasses and their Effe	ects on Bird-Window Collis	ion Research
Presenters:	Bradley Jones	Lauren Burroughs	
Faculty Mentor	, ,	Biology	
5		0	
Digitizing Far	nily History		
Presenters:	Chase Pilcher	Angie Juodagalvis	
Faculty Mentor	: Sharon Roger Hepburn	History	
Determination	of Chloride Ion Concentration	on and Water Hardness in	Connelly's Run
Presenters:	William Nape	Darin Rose	
Faculty Mentor	: Kristina Stefaniak	Chemistry	
Dotormining "	Frace Motels and Chlorida Co	propheticans in Soil	
e	Frace Metals and Chloride Co		
Presenters:	Branham James	Joe Peton	
Faculty Mentor	: Kristina Stefaniak	Chemistry	
Quantitative A	nalysis of Iron and Chloride	in Soil Samples From Conr	ellv's Run
Presenters:	Patrick Cahoon	Julian Wolz	j
	: Kristina Stefaniak	Chemistry	
Tucally months		Gheinistry	
Quantification	of Iron and Trace Metals in	Connelly's Run River Wate	r
Presenters:	Joseph Ratliff	Kori Brown	
Faculty Mentor	: Kristina Stefaniak	Chemistry	
D . · · · ·			
0	Water Chemistry of Water San	nples from Connelly's Run	
Presenters:	Haley Pflanzer	Charrietar	
Faculty Mentor	: Kristina Stefaniak	Chemistry	
Relating the G and Soil pH	arlic Mustard (Alliaria petiol	ate) Abundance to the Nati	ve Plants Abundance
Presenters:	Brian Ditch	Amanda Whitlock	Madison Paterniti
	Angie Leon		
Faculty Mentor	0	Biology	
-	~		

WINTER CARD: SESSION V 4:00 PM – 4:50 PM

Effects of Time of Day on Bird-Window Collisions at Radford University: Focusing on Hardest-Hit Buildings			
Presenters:	Claudia Paniagua-Ugarte	Miranda Flack	Taylor Brown
Faculty Mentor	:: Karen Powers	Biology	
	Iron and Chloride Concentrat		
Presenters:	Jonathan Gibson-Cromer	Kat Schoettinger	
Faculty Mentor	:: Kristina Stefaniak	Chemistry	
Quantifying O Decoys	Observer Variability In Bird-w	indow Collision Carcass Do	etection Using Bird
Presenters:	Jonathan Gibson-Cromer		
Faculty Mentor	:: Karen Powers	Biology	
Starry Night I	Recreation		
Presenters:	Jasmine Dudding		
Faculty Mentor	r: Roann Barris	Art	
Dorris Lee, T	hanksgiving		
Presenters:	Bryan Jewell		
Faculty Mentor	r: Roann Barris	Art	
Portraits			
Presenters:	Tannis McKay		
Faculty Mentor	r: Roann Barris	Art	
Jasper John's			
Presenters:	Joel Vasquez		
Faculty Mentor	r: Roann Barris	Art	
	al Influence on the Perception		•
Presenters:	Samantha Fernandez	Lance Singleton	Eric VanBurger
Faculty Mentor	:: Margaret Pate	Criminal Justice	

	f CaCO₃ And Plant Density (Wildwood Park	On Deer Population Density	At Different
Presenters:	Raegan Forbes Jayla Smith	Dyna Fitzsimmons	Hunter Lauver
Faculty Mento	5 7	Biology	
	ater Pollution on Mammals a urk, Radford Virginia	nd Aquatic Insects Near Co	onnelly's Run in
Presenters:	Sierra Bragg Logan Van Meter	Lauren Burroughs	Miranda Dimas
Faculty Mento	0	Biology	
The Effects of Park	of pH Levels on the Plant De	nsity and Insect Species Rid	chness at Wildwood
Presenters:	Layne Sigmon Nicholas Murff	Selena Angel	Stephanie O. Aning
Faculty Mento	or: Jamie Lau	Biology	
Race, Memo	ry, and Eyewitness Testimor	Ŋ	
Presenters:	Rachel Ettleman Destinee Twitty	Laneeka Banks	Katlyn Girolami
Faculty Mento	or: Margaret Pate	Criminal Justice	
Social Effects	s Of Policing On Campus		
Presenters:	DawnMarie Connolly Tanner Poitras	Devin Johnston	Griffin Boaz
Faculty Mento	or: Margret Pate	Criminal Justice	
Drug Use at	Radford University: Does it (Cause Risky Behavior?	
Presenters:	Lyric Woodward Taylor Roberts	Yajaira Flores	Chloe Deel
Faculty Mento	or: Margaret Pate	Criminal Justice	
Radford Univ	versity Students' Attitudes To	owards Domestic Violence	
Presenters:	Katie Horton	Paige Kranyak	Caleb Howard
Faculty Mento	or: Margaret Pate	Criminal Justice	
Mass Media	Consumption And The Perce	eption Of Violent Crime Ra	
Presenters:	Brianne Pearson	Vicky Hanger	Madison Trail
Faculty Mento	or: Margaret Pate	Criminal Justice	

WINTER CARD: SESSION VI 5:00 PM – 5:50 PM

Gender Differ	ences in Death Penalty Supp	ort	
Presenters:	Kathleen Stiltner Dustin Sage	Allen Minnick	Kaitlyn Copenhaver
Faculty Mentor	e	Criminal Justice	
Trace Metal I	Levels Describing Connelly's	Run Soil in Wildwood Park	, Radford, Va
Presenters:	Ahyana Calloway	Austin Dean	Charles Dotson
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
Analysis of Ti	ace Metals, pH, Nitrate and	Ammonium in Soil From C	connelly's Run
Presenters:	Alexandra Mekus	Deanna Perales	
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
Chemical Ana	lysis of Iron and Calcium Ca	rbonate in Connelly's Run	
Presenters:	Samantha Powell	Jake Morris	
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
Analysis of pH Run	H and the Concentration of C	hlorides, Ammonium, and	Nitrates in Connelly's
Presenters:	Rayshell Torres-Santana	Sirmion Jenerette	
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
•	il Chemistry of Connelly's Ru	ın in Wildwood Park	
Presenters:	Sydney Fisher		
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
•	he Alkalinity, pH, and Ammo Connley's Run in Radford, Vi		rations in Soil
Presenters:	Mary Elizabeth Demmin	Mary-Elizabeth Luttrell	
Faculty Mentor	r: Kristina Stefaniak	Chemistry	
	e Golden Crownbeard Densit ng Slopes of Wildwood Park	ty and Soil Moisture Conter	nt Between the East-
Presenters:	Chantel Cook MarkBrianna Mathis	Keasia Clark	Olivia Ramsey
Faculty Mentor	r: Jamie Lau	Biology	
Comparing th	e Noise Levels in Four Wildv	vood Park Locations	
Presenters:	Justin McLaughlin	Camryn Williford	Alayna Carter
Faculty Mentor	r: Jamie Lau	Biology	
Comparing th	e Crayfish Abundance Betwe	en Connelly's Run and the	New River
Presenters:	Drew Reavis	Gabriel Hessler	Laken Waugh
Faculty Mentor	r: Jamie Lau	Biology	

WINTER CARD: SESSION VI 5:00 PM – 5:50 PM

Relating Air Temperature and Light Levels to Soil Surface and Sub-surface Temperatures in Wildwood Park

Presenters: Tyra Jackson Faculty Mentor: Jamie Lau Ashanti Turner Biology

The Impact of Iron and Calcium Carbonate on the Soil Chemistry Along Connelly's Run

Presenters: Jordan Dameron Faculty Mentor: Kristina Stefaniak

Chemistry

See you next year!

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Undergraduate Research and Scholarship