

# Tradition and renewal

Tradition holds that for untold generations, Tanana Athabascans used the ridge the Fairbanks campus is built on to pick wild potato, *h'eddha'*. It was a meeting place and a place of sustenance, and it is still a place where people work together and find intellectual nourishment.

The University of Alaska Fairbanks is proud of the students here today who have continued this tradition of collaboration and learning. Commencement is a special time for graduates and their families and friends who come to share this momentous occasion. This ceremony represents an ending, a time of reward for academic endeavor successfully completed. In another sense it is truly a commencement, a beginning, for the learning process is an unending one, to which the years of formal schooling are only a prelude.

On May 3, 1917, Alaska Territorial Gov. John Strong signed the bill accepting a land grant from the U.S. government for the creation of a college in Fairbanks. In 2013 we celebrate 96 years of progress in higher education in Alaska.

Along with our graduates, the University of Alaska Fairbanks acknowledges with pride the contributions of those who will receive honorary degrees or a Meritorious Service Award. The university also expresses gratitude to the dedicated faculty and staff who are retiring this year. Each has made a distinct contribution to the quality and reputation of this institution.

In today's 91st commencement ceremony, more than 500 students will cross the stage to receive a certificate or degree, and overall more than 1,000 graduates will be recognized for their success. Other UAF campuses and learning centers in Bethel, Circle, Dillingham, Kotzebue, Nome and Tok will honor their graduates with separate commencement activities.

We honor you, the Class of 2013, for your achievement today.

Congratulations!

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UNIVERSITY OF AL

Regent Powers; President Gamble; Chancellor Rogers;  
Provost Henrichs

Jim Dixon, *Chair* 1990 & 1991

Rebecca File, *Chair* 2013

Executive (University Faculty Group)

Director: Bonnie Whiting Smith

Audience members are kindly requested to remain in their seats until the graduates have completed the recessional. Those seated on the second and third levels may exit the building through the second-floor doors.

Please join us for a reception in the Arthur Buswell Pioneer Room immediately following the ceremony, sponsored by the Fairbanks chapter of the UAF Alumni Association.

Rebeka Tsigonis, College of Engineering

and Mines. . . . . *Chair and Vice Chair*

Liza Jane Taylor, College of Liberal Arts. *Chair and Vice Chair*

Rachel DeWilde, College of Natural Science

and Mathematics. . . . . *Chair and Vice Chair*

Alice Joseph, College of Rural and

Community Development. . . . . *Chair and Vice Chair*

Sara Jacobson, School of Education. . . . . *Chair and Vice Chair*

Anna Deveraux, School of Fisheries

and Ocean Sciences. . . . . *Chair and Vice Chair*

Chris Piech, School of Management. . . . . *Chair and Vice Chair*

Ayshe Yeager, School of Natural Resources

and Agricultural Sciences. . . . . *Chair and Vice Chair*

Patricia Jacobson, *Chair* Kodiak

Kirk Wickersham, *Chair* Anchorage

Michael Powers, *Chair* Fairbanks

Jyotsna Heckman, *Chair* Fairbanks

Dale Anderson, Juneau *Chair* Mari Freitag, Fairbanks

Timothy C. Brady, Anchorage *Chair* Mary K. Hughes, Anchorage

Fuller A. Cowell, Anchorage *Chair* Gloria O'Neill, Anchorage

Kenneth J. Fisher, Juneau *Chair*

*Chair and Vice Chair*

A D  
A

A.A. .... Associate of Arts  
A.A.S. .... Associate of Applied Science  
A.S. .... Associate of Science  
B.A. .... Bachelor of Arts  
B.A.S. .... Bachelor of Arts and Sciences  
B.B.A. .... Bachelor of Business Administration  
B.E.M. .... Bachelor of Emergency Management  
B.F.A. .... Bachelor of Fine Arts  
B.M. .... Bachelor of Music  
B.S. .... Bachelor of Science  
B.T. .... Bachelor of Technology  
Cert. .... C .

# G H

Associate and baccalaureate degree students who graduated with honors in August and

# e Class of

C , A , B  
M , D

C E M

Dr. Douglas J. Goering, Dean

## Baccalaureate Degrees

---

- Matthew Brian Anctil  
B.S., Mechanical Engineering
- Alex James Arneson \*  
B.S., Mechanical Engineering
- Beau Z. Berryman  
B.S., Computer Science
- Wade Collier Boman  
cum laude B.S., Petroleum Engineering. Golden  
Key Honor Society
- Jean Yves Boumbe Boumbe  
B.S., Petroleum Engineering
- Patrick Stiver Brandon  
magna cum laude B.S., Civil Engineering.  
Golden Key Honor Society
- Robert William Burdick  
cum laude B.S., Civil Engineering
- Joseph Lee Campbell \*\*  
B.S., Civil Engineering
- Russell Clyde Carroll  
magna cum laude B.S., Electrical Engineering:  
Communications
- Matthew Joseph Chacho  
B.S., Civil Engineering
- Gareth Alan Stoltzfus Chesley  
cum laude B.S., Computer Science
- Dustin Caleb Cozby \*\*  
B.S., Petroleum Engineering
- Chengyu Deng  
B.S., Petroleum Engineering
- Je rey Alan Dolena  
B.S., Civil Engineering
- Samuel N. Dye  
cum laude B.S., Mechanical Engineering. Golden  
Key Honor Society
- Michael David Elbert  
B.S., Electrical Engineering: Power and Control
- Dalton Brian Ellingson  
B.S., Electrical Engineering: Power and Control
- Kyle David Emery \*\*  
B.S., Mechanical Engineering
- Anastasia A. Filippova  
B.S., Petroleum Engineering
- Tae Cherie Freeman \*\*  
B.S., Civil Engineering
- Travis Matthew Gephardt \*\*  
B.S., Electrical Engineering: Power and Control
- Timothy Lee Grediagin  
B.S., Computer Science
- Scott Allan Hall  
B.S., Mechanical Engineering
- Kayla Christine Harrison  
B.S., Electrical Engineering: Communications
- Robert A. Hartshorn  
B.S., Computer Science
- Justin Harvey \*  
B.S., Computer Engineering
- Eli Elumpik Holt \*\*  
B.S., Mechanical Engineering
- David L. Hooper  
B.S., Mechanical Engineering
- Heather C. Hopkins  
cum laude B.S., Civil Engineering. Golden Key  
Honor Society
- Jian Huang  
B.S., Petroleum Engineering



omas C. Hughes \*\*  
B.S., Civil Engineering

Joseph David Hunner  
B.S., Mechanical Engineering. Golden Key Honor  
Society

Isaac John Jackson \*  
B.S., Civil Engineering

Christophe Emile Johnson  
B.S., Mechanical Engineering

Nicholas William Kellie  
B.S., Mechanical Engineering

Nicholas W. Konefal  
B.S., Mechanical Engineering

Tyler S. Kornfeld  
B.S., Mechanical Engineering

Ebisso Girma Kurfessa  
B.S., Petroleum Engineering

Jack Amadeus LaSota  
magna cum laude  
B.S., Computer Science.  
University Hon4



## Baccalaureate Degrees

---

Deirdre Danay Adams  
magna cum laude



Chelsea Rochelle Holt  
magna cum laude B.A., Political Science  
Heather Marie Holt \*\*  
B.A., Political Science  
Stephanie Ann Holt  
B.A., Sociology  
Sophia Nicole Holton

Shannon Maureen Mertes  
B.A., Psychology

William Alexander Miller  
B.A., English

Natalia Stacey Moore \*  
B.A., Psychology

Madeleine Nicole Morales-Stanley  
B.A., Psychology

Alexandria V. Morris  
cum laude B.A., Psychology



**Cori Dawn Bender \***

M.A., Anthropology. B.A., University of Calgary (Canada), 2010.

**Sarah Betcher**

M.A., Cross-Cultural Studies. B.S., Evergreen State College (Washington), 2009.

**Kaylee Rose Bonatakis**

M.A., Music: Performance. B.M., University of Central Florida, 2011.

**Laura Jeanette Crawford \***

M.A., Anthropology. B.A., Creighton University (Nebraska), 2009.

**Andrew Joseph Dallemolle \*\***

M.A., Administration of Justice. B.A., University of Alaska Fairbanks, 2006.

**Daniel Jade Darrow \***

M.A., Applied Linguistics: Second Language Acquisition Teacher Education. B.A., California State University - Fresno, 1992.

**Emerson William Eads**

M.A., Music: Performance. B.M., University of Alaska Fairbanks, 2011.

**Megan Grace Ellicott \***

M.A., Anthropology. B.A., California State University - Stanislaus, 2009.

**Heather Deanne Fries**

M.A., Professional Communication. B.S., East Tennessee State University, 2011.

**Irmelin Gram-Hanssen \***

M.A., Northern Studies: Individualized. B.A., Roskilde University (Denmark), 2010.

**Hannah Lee Harrison**

M.S., Environmental Ethnography:  
Interdisciplinary5-12(n)2(t)-27(a)-44(I E)-11(t)-42(h)-31(ne4n0-24(a)-1o99021 18437(l)an)-13m.4n0-2\* [(T)61



# C N S M

Dr. Paul W. Layer, Dean

## Baccalaureate Degrees

---

- Jonathan E. Aarhus \*\*  
B.S., Physics
- Caleb E. Aronson  
B.S., Geoscience: Geology
- Chelsea Eve Arthur  
B.S., Mathematics
- Morgan L. Bender  
magna cum laude B.S., Biological Sciences
- Katelyn R. Bennett \*  
B.S., Mathematics
- Mattie Kathleen Bly  
B.S., Biological Sciences
- Jessica Marie Bodle  
B.S., Wildlife Biology
- William Joseph Bostwick III  
B.A., Biological Sciences
- Colleen Rebecca Bue \*\*  
magna cum laude B.S., Biological Sciences
- Shelby Cavallaro  
B.S., Biological Sciences
- Renee Clare Cramer \*\*  
B.S., Biological Sciences
- Kristen Rose Dullen  
B.S., Biological Sciences
- Jerad Paul Flynn  
B.S., Geoscience: Geology
- Mark Arthur Gilbertson  
B.S., Biological Sciences. Golden Key Honor Society
- Lynn M. Goddard  
cum laude B.S., Biological Sciences
- Anthony A. Haas  
B.S., Biological Sciences
- Jeremiah E. Harrington  
magna cum laude B.S., Mathematics. University Honors Scholar
- Martin Jeffrey Harrington  
B.S., Physics. University Honors Scholar. Golden Key Honor Society
- Kevin Daniel Haston  
B.S., Mathematics
- Caitlin Marie Hawthorne  
B.S., Biological Sciences
- Katheryn Suzanne Hayden \*  
B.S., Biological Sciences
- Sarah Harrison Heinichon \*\*  
B.S., Geology
- Kathleen Teresa Hetrick \*\*  
B.S., Biological Sciences
- Conner Lawrence Hite  
B.S., Geology
- Richard A. Ho man  
B.S., Wildlife Biology
- Bryant Gregory Hopkins  
B.S., Mathematics. Honors Thesis Scholar  
Leadership Distinction Phi Kappa Phi Honor Society
- Heather C. Hopkins  
cum laude B.S., Biological Sciences. Golden Key Honor Society
- Sarah Nell Howenstein  
B.S., Wildlife Biology and Conservation
- Amelia M. Hunt  
B.S., Wildlife Biology and Conservation
- Kimberly Lynnette Johnson \*\*  
B.S., Biological Sciences
- Erin Lindsey Johnston  
B.A., Biological Sciences
- Jennifer Janice Klejka  
B.A., Biological Sciences
- Sara Marie Klingensmith  
cum laude B.S., Wildlife Biology. Golden Key Honor Society
- Nicholas W. Konefal  
B.S., Biological Sciences
- Rebecca Leigh Konieczny  
B.S., Biological Sciences
- Michael E. LaDouceur \*\*  
B.S., Geology
- Jeremiah Ronald La eur  
B.A., Earth Science
- Travis Lawrence Lapointe  
magna cum laude B.S., Wildlife Biology and Conservation
- Terilyn Koehler Lawson  
cum laude B.S., Chemistry: Biochemistry/  
Molecular Biology. Golden Key Honor Society
- Elizabeth Lo on  
B.S., Biological Sciences
- Kathleen Marie Mackey \*  
B.S., Geology
- Erin Nicole May \*  
B.A., Biological Sciences
- Kaitlynn Louise Cozzini McKirgan \*\*  
cum laude B.S., Biological Sciences
- Sarah Lynn Meierotto  
magna cum laude B.S., Biological Sciences
- Devan William Moody  
B.S., Biological Sciences

\* Summer degree recipient

\*\* December degree recipient

Edward Robert Motyka III \*\*

B.S., Wildlife Biology

Samuel John Murphy \*

B.S., Geology

Corwin Kent Nielson \*\*

cum laude B.S., Biological Sciences

Meghan A. O'Leary

B.A., Biological Sciences

Kyoko Okano \*\*

magna cum laude B.S., Biological Sciences.

University Honors Scholar

Corey Allan Oldham

B.S., Biological Sciences

Margaret Gudny Oliver \*\*

B.S., Wildlife Biology and Conservation

Gary Gordon Olsen-Saville

B.A., Biological Sciences

Emily Kay Olson

B.S., Chemistry: Forensic Chemistry

Michael Scott Ortego

B.S., Biological Sciences

Keith W. Oster

B.S., Wildlife Biology and Conservation

Erin Leigh Ostrowski

B.S., Biological Sciences

Levi Donald Overbeck

B.S., Applied Physics. Golden Key Honor Society

Meredith Rose Park

B.S., Biological Sciences

Okkar Pe

B.A., Physics

Daniel Lee Pfaller

B.S., Biological Sciences

Kurt J. Porritt \*

B.S., Geology

J66.18Tm [(K)1(u)-23(r)-33(0 Tc-33(S)-27(.)-11(, G)-27(e)-22(o)-8(l)-7(o)-3)-16(2T )]TJ n(K)1(t)-24(t \*)

**Cameron J. Bodily \***

M.S., Space Physics. B.S., Utah State University, 2008.

**Sophie M. Chowdhury \*\***

M.S., Biology. B.S., University of Alaska Fairbanks, 2008.

**Kevin E. Colson**

M.S., Wildlife Biology and Conservation. B.S., University of Utah, 2007.

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M.S., Veterinary Neuroscience: Interdisciplinary Program. B.S., University of Alaska Fairbanks, 2008.

**Michelle Leigh Deal \*\***

M.S., Geology: Economic Geology. B.S., Eastern Washington University, 2010.

**Amy Catherine Denney \***

M.S., Physics. B.S., Morehead State University (Kentucky), 2003.

**Casey Lynn Denny**

M.S., Geology: Remote Sensing. B.T., Morrisville State College (New York), 2001.

**eodore F. Fathauer \***

M.S., Atmospheric Sciences. B.A., University of Chicago (Illinois), 1968.

**Angelica Lynn Floyd \*\***

M.S., Geology: Remote Sensing. B.S., University of Alaska Fairbanks, 2010.

**Johanna Ruth Herron**

M.S., Community Nutrition: Interdisciplinary Program. B.S., University of Alaska Fairbanks, 2004.

**Brita K. Irving \***

M.S., Atmospheric Sciences. B.S., University of Alaska Fairbanks, 2010.

**Michael Jaramillo**

M.S., Chemistry. Golden Key Honor Society. B.S., University of Alaska Fairbanks, 2006.

**Keegan Marcus Keplinger \*\***

M.S., Physics and Neuroscience: Interdisciplinary Program. B.S., University of Alaska Fairbanks, 2008.

**Neil S. Lehner \*\***

M.S., Wildlife Biology and Conservation. B.S., University of Alaska Fairbanks, 2007.

**Nicole A. McConnell \***

M.S., Biological Sciences. B.S., MichigB.s98(i)-5(ht)-15(r6(. 33(r)-5(Tc -0.021 Tw T\* [(20)-11(08)-U))-7(r24(y2

## Certificates

---

Emily Anne Ahern \*\*

Community and Technical College, Culinary Arts

Emily Anne Ahern \*\*

Community and Technical College, Baking and Pastry Arts

Pansy Bonnie Alakayak

Interior-Aleutians Campus, Rural Human Services. Golden Key Honor Society

Abraham Naqtuu Albert

Interior-Aleutians Campus, Construction Trades Technology

Dawn Mariah Albright

Community and Technical College, Health Care Reimbursement

Shannon Duewand Winterhawk Allen

Community and Technical College, Diesel/Heavy Eq-13((mu1\_0 11(e) 36 397.-3(m)-1(mu)-a)7(w)-15(k A)-35(l)-33(l)-4(e)-8(n ))TJ /T1\_1 1 Tf 0.012 Tc -0.01

Lorna Rae David  
 Interior-Aleutians Campus Cert., Construction  
 Trades Technology

Janesther A. Daway Bennett  
 Community and Technical College Cert., Medical  
 Assistant

Janesther A. Daway Bennett  
 Community and Technical College Cert.,  
 Medical/Dental Reception

Katelyn Rose Dayton  
 Interior-Aleutians Campus Cert., Rural Human  
 Services

Susan Agnes Dayton \*  
 Community and Technical College Cert., Medical  
 Assistant

Verna Lee Demoski \*\*  
 Community and Technical College Cert.,  
 Accounting Technician

Blayne Lydia Dillard-Bennett \*  
 Community and Technical College Cert., Medical  
 Assistant

Elena A. Dock \*\*  
 Kuskokwim Campus Cert., Rural Human  
 Services

Dinashay Janelle Easton \*  
 Interior-Aleutians Campus Cert., Construction  
 Trades Technology

Sara Regina Edelen \*  
 Community and Technical College Cert.,  
 Medical/Dental Reception

Sara Regina Edelen \*  
 Community and Technical College Cert., Medical  
 Assistant

Lureena Lee Ellingson \*\*  
 Community and Technical College Cert.,  
 Accounting Technician

Rebecca Daphne Erhart  
 Community and Technical College Cert., Applied  
 Business Management

Rosario Guerreo Estrada  
 Community and Technical College Cert., Baking  
 and Pastry Arts

Norma Andrea Evan  
 Kuskokwim Campus Cert., Community Health

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\* Summer degree recipient

\*\* December degree recipient

**Eunice E. James**  
 Interior-Aleutians Campus Cert., Rural Human Services

**Brian William John**  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Charles E. John**  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Michael Shane John**  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Ben F. John Jr**  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Michael Franklin Jordan**  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Sean Kelly \***  
 Community and Technical College Cert., Airframe and Powerplant

**Mark T. Koehler \*\***  
 Community and Technical College Cert., Airframe and Powerplant

**Marilyn Marie Konukpeok \*\***  
 Bristol Bay Campus Cert., Community Health

**Evan Donald Layhew**  
 Community and Technical College Cert., Automotive Technology

**Staci M. Lester**  
 Community and Technical College Cert., Applied Business Management: General Business, Marketing

**Shannon Elaine Lowry \***  
 Community and Technical College Cert., Health Care Reimbursement

**Jolene Rose Malamute**  
 Community and Technical College Cert., Instrumentation Technology

**Leonard Wayne Mark \*\***  
 Interior-Aleutians Campus Cert., Construction Trades Technology

**Michael J. Mattie \***  
 Community and Technical College Cert., Information Technology Specialist

**Desiree Naheana Maxey \*\***  
 Community and Technical College Cert., Culinary Arts

**Desiree Naheana Maxey**  
 Community and Technical College Cert., Baking and Pastry Arts

**Randy Allen Mayo**  
 Interior-Aleutians Campus Cert., Tribal Management

**Jason Paul McDaniel \***  
 Community and Technical College Cert., Airframe

**David N. McGraw \*\***  
 Community and Technical College Cert., Information Technology Specialist

**Jeni Lynn Meadows**  
 Community and Technical College Cert., Applied Business Management: General Business

**Heqing Wang Metzner \*\***  
 Community and Technical College Cert., Accounting Technician

**Tyler S. Milliken**  
 Community and Technical College Cert., Automotive Technology

**Jeremy R. Millington \***  
 Community and Technical College Cert., Automotive Technology

**Samantha Anne Mulvaney \***  
 Community and Technical College Cert., Medical Assistant

**Martha M. Napoka \***  
 Kuskokwim Campus Cert., Community Health

**Suzann R. Nicolai**  
 Community and Technical College Cert., Accounting Technician. Golden Key Honor Society

**Natasha Monique Nielsen \*\***  
 Community and Technical College Cert., Pre-Nursing Quali cations

**Ted D. Ochoa \*\***  
 Community and Technical College Cert., Airframe and Powerplant

**Anna Vladimirovna Ovchinnikov**  
 Community and Technical College Cert., Pre-Nursing Quali cations

**Barbara Jean Pacheco**  
 Community and Technical College Cert., Pre-Nursing Quali cations

**Brennan D. Palmer**  
 Community and Technical College Cert., Instrumentation Technology

**Adeline Marie Panruk**  
 Kuskokwim Campus

Christopher W. Redmond  
Community and Technical College  
Cert., Baking and Pastry Arts

Dustin Shawn Reed  
Community and Technical College  
Cert., Diesel/

Michelle Mary Van Dyke  
Interior-Aleutians Campus





Cody Ray Carver \*\*  
 Community and Technical College A.S.,  
 Emergency Services: Municipal Fire Control

Cody Ray Carver \*\*  
 Community and Technical College A.S.,  
 Paramedicine

David A. Cassino \*\*  
 Community and Technical College magna cum  
 laude A.A.S., Process Technology

Alicia Marie Chagluak \*\*  
 Community and Technical College A.

Andrew Joseph Chamberlain \*\*  
 Community and Technical College magna laude  
 A.A.

Melissa A. Charlie  
 Community and Technical College A.S.,  
 Paralegal Studies

Alexandra B. Chartier \*  
 Kuskokwim Campus A.A.S., Human Services  
 with Rural Health Services Certificate:  
 Addictions Counseling

Jacob Craig Cheek  
 Community and Technical College A.S.,  
 Emergency Services: Municipal Fire Control

Abraham Peter Christenson  
 Community and Technical College A.S., Diesel  
 Equipment and Technology: Interdisciplinary  
 Program. Golden Key Honor Society

Charmaine June Christiansen  
 Community and Technical College A.

Charlene Louise Church  
 Community and Technical College A.

Kenneth Robert Cline  
 Community and Technical College A.S.,  
 Applied Business: Management

Timothy James Coalter  
 Bristol Bay Campus A.A.

James Christopher Cook  
 Community and Technical College magna cum  
 laude A.A.S., Information Technology Specialist:  
 Network and System Administration

Paris L. Cooper \*  
 Community and Technical College A.S.,  
 Applied Business: Management

Erika Dayana Copeland  
 Community and Technical College A.S., Early  
 Childhood Education

Kevin Crandall  
 Community and Technical College A.S.,  
 Process Technology

---

\* Summer degree recipient

\*\* December degree recipient

Alberto Fullosco Espejo III  
Community and Technical College  
magna cum laude A.A.S., Process Technology

Rosario Guerreo Estrada  
Community and Technical College  
A.S., Culinary Arts

Chasity Renee Evanov  
Community and Technical College  
A.S., Early Childhood Education

Rixa Marie Evershed  
Community and Technical College  
A.S., Early Childhood Education

Johanny Nairyn Felix Bonilla \*\*  
Community and Technical College  
magna cum laude A.A.S., Applied Business: Health Care Management

Douglas J. Finney \*\*  
Bristol Bay Campus  
A.S., Community Health

Stephanie Jo Fitzgerald \*\*  
Community and Technical College  
A.S., Medical Assistant

Zachary Alexander Forshaw  
Community and Technical College  
A.S., Process Technology

Helen eda Foster \*\*  
Community and Technical College  
magna cum laude A.A.S., Applied Business: Management

William E. Fox \*\*  
Community and Technical College  
A.S., Drafting Technology

Fabian B. Frank  
Interior-Aleutians Campus  
A.S., Applied Business

Sharon Alene Freeman  
Community and Technical College  
A.

Jene Gabriella Fricks-Culbreath \*  
Community and Technical College  
magna cum laude A.A.S., Culinary Arts

Jodi Lynn Friend  
Community and Technical College  
A.

Bryan Milton Fritze \*\*  
Community and Technical College  
A.

Kacie L. Gallagher \*  
Community and Technical College  
magna cum laude A.A.S., Medical Assistant

Jennifer Lynn Garcia \*  
Community and Technical College  
A.

Virginia Gard  
Community and Technical College  
A.S., Applied Business: Health Care Management

Adrian Kristin Gianì \*\*  
Community and Technical College  
A.S., Paramedicine

Holly N. Gibbens  
Community and Technical College  
magna cum laude A.A.S., Applied Business: Health Care Management

Kelsey Lynn Gilbert  
Community and Technical College  
A.S., Medical Assistant

Alicia Marie Ginnaty \*  
Community and Technical College  
magna cum laude A.A.S., Applied Business: Administrative Management

Joshua David Gomez \*\*  
Community and Technical College  
A.S., Ex4munity and T

Wassilie John Henry  
Kuskokwim Campus A.A.

Misty Marie Herlehy \*  
Community and Technical College  
A.A. magna laude

Zachary T. Hetrick  
Interior-Aleutians Campus A.S.

Lauren C. Hickey  
Community and Technical College  
A.A.S., Applied Business. Golden Key Honor  
Society

Hunter Mitchell Hicks  
Community and Technical College A.S.,  
Construction Management

Samantha Gail Hightower \*\*  
Community and Technical College A.S.,  
Aviation Maintenance

Kayli Camille Hildebrand  
Community and Technical College A.

Kristin Elizabeth Hinman  
Community and Technical College A.S., Early  
Childhood Education

Elizabeth Holcomb  
Community and Technical College A.S., Dental  
Hygiene

Haley Elisabet Leah Holland \*\*  
Community and Technical College A.S.,  
Applied Accounting

Brandon Leigh Houston \*  
Community and Technical College A.

Stacey Ann Howdeshell  
Community and Technical College A.

Catherine E. Hoyos  
Community and Technical College A.S.,  
Medical Assistant

Crystal R. Hu man  
Community and Technical College  
A.A.S., Applied Business: Management,  
Entrepreneurship

Faren Raenette Humble \*\*  
Community and Technical College magna cum  
laude A.A.S., Information Technology Spu-067Communitye, Tw 2.292 0 TN3(e)e0 8 3641T1\_-6ck 28(, )JTJ2(

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\* Summer degree recipient

\*\* December degree recipient

Jack Allan Lanam Sr  
Community and Technical College A.S.,  
Information Technology Specialist: Network and  
System Administration

Gladys C. Landlord  
Community and Technical College A.S., Early  
Childhood Education

Eleanor M. Lariono  
Community and Technical College A.

Lisa Jo Larson  
Community and Technical College A.S.,  
Human Services: Addictions Counseling

Lisa Jo Larson \*\*  
Community and Technical College A.

Barbara A. Leder \*\*  
Community and Technical College A.S.,  
Paramedicine

Heather Danae Lee \*\*  
Community and Technical College A.

Maxine D. Lerner Tie2(ni)2(t)Acce)-7(r)]TJ /T1\_1 1 Tf 0.012 Tc27.044 0 Td [(,)2007 Tw8l)-82-5(

Applied Business A14(u)-ic , A.A.S., l(s)-12(-1001)-5(l1001)- T

Steph M. Lester)-4(n)-8(d)12( T)73(r)S(c)-4(h)-2(ni)-4(c)-1102l College

Community and Technical College A.S.,  
Applied Business: Management, Computer  
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Kayla D. Sanders  
Community and Technical College  
A.A.S., Applied Business: Management

Jonathan Franz Widman \*  
Community and Technical College A.S.,  
Aviation Maintenance

Pamella Sue Wilcox  
Interior-Aleutians Campus A.S., Early  
Childhood Education

Katherine Mary Wilmoth  
Community and Technical College magna cum  
laude A.S., Applied Business: Management.  
Golden Key Honor Society

Evan J. Wojtanek  
Community and Technical College magna laude  
A.A.S., Process Technology

Samantha Lynn Wolters  
Community and Technical College magna laude  
A.A.S., Applied Business: Entrepreneurship

Nicholas James Wood  
Community and Technical College A.S.,  
Paramedicine

Stephanie Anne Woodard \*\*  
Community and Technical College A.

Lisa Lynn Yancey \*  
Community and Technical College A.S.,  
Medical Assistant

Andrea Waltraud Zupanc \*  
Community and Technical College A.S.,  
Medical Assistant

## Baccalaureate Degrees

---

Denise Araceli Benavides  
Community and Technical College A., Child  
Development and Family Studies: Curriculum  
and Teaching

Harriet C. Brouillette  
B.A., Rural Development: Tribal and Local  
Government Administration

Nicole Sara Bruckner \*\*  
B.A., Rural Development: Community Business  
and Economic Development

Brianna Rashell Cannon \*  
B.A., Rural Development: Tribal and Local  
Government Administration

Chandra L. Clack  
Community and Technical College A., Child  
Development and Family Studies: Family Support

Tamara L. De Los Santos \*  
Community and Technical College magna cum  
laude B.A., Child Development and Family  
Studies: Curriculum and Teaching

Debra Deanna Naqtaq Dommek  
B.A., Alaska Native Studies: General

Debra Deanna Naqtaq Dommek  
B.A., Inupiaq Eskimo

Lisa Lorraine Ellanna Strickling \*\*  
B.A., Rural Development: Tribal and Local  
Government Administration

Bryan Milton Fritze  
B.A., Alaska Native Studies

Kerilee Ivano  
B.A., Rural Development: Community Business  
and Economic Development

Tracey Lynn Lammer \*  
Community and Technical College A., Child  
Development and Family Studies: Curriculum  
and Teaching

Niki Nicole Mercado \*\*  
B.A., Child Development and Family Studies:  
Curriculum and Teaching

eres Gail Milette \*\*  
Community and Technical College A., Child  
Development and Family Studies: Family Support

Russell Nelson  
Bristol Bay Campus S.A., Rural Development:  
Community Business & Economic Development

Sondra Lee Shagino -Stuart \*\*  
B.A., Alaska Native Studies: Language

Davina Jasmine Sunkel \*  
Community and Technical College A., Child  
Development and Family Studies: Curriculum  
and Teaching

Melissa J. Tabor  
B.A., Rural Development: Rural Health and  
Human Services Management

Marjorie Linne Tungwenuk Tahbone \*\*  
B.A., Alaska Native Studies: General

Chelsea K. Tappen  
Community and Technical College magna cum  
laude B.A., Child Development and Family  
Studies: Curriculum and Teaching. Phi Kappa Phi  
Honor Society

Alyce Christine Todd  
Bristol Bay Campus S.A., Rural Development:  
Land, Resources and Environmental  
Management

Bryan Michael Uher \*\*  
Interior-Aleutians Campus S.A., Rural  
Development: Community Business and  
Economic Development

Victoria Le Walton  
Community and Technical College A., Child  
Development and Family Studies: Family Support

Marvella Darleen Webster  
Community and Technical College magna cum  
laude B.A., Child Development and Family  
Studies: Curriculum and Teaching

Sherry Ruth Wesner  
Community and Technical College magna cum  
laude B.A., Child Development and Family  
Studies: Curriculum and Teaching. Golden Key  
Honor Society

Juliana Zacharof-Wagner \*\*  
B.A., Rural Development: Community Business  
and Economic Development

\* Summer degree recipient

\*\* December degree recipient

## Master's Degrees

---

Julie Ann Emslie \*\*

M.A., Rural Development. B.A., Olivet Nazarene University (Illinois), 2007.

Frances Marion Gage

M.A., Rural Development. B.A., Western Washington University, 2004.

Hannah B. Loon \*\*

M.A., Rural Development. B.A., University of Alaska Fairbanks, 2007.

Leslie Freeman Simmons

M.A., Solid Waste Management in Alaska: Interdisciplinary Program. B.A., University of Maine, 1982; M.S., University of Alaska Fairbanks, 1984.

# S E

Dr. Allan Morotti, Dean

## Baccalaureate Degrees

---

Megan Ashley DeRuyter

magna cum laude B.A., Elementary Education

Krystal Duval

B.A., Elementary Education

April Rose Fellman

summa cum laude B.A., Elementary Education.  
Phi Kappa Phi Honor Society

Chelsea Loren Freeman

B.A., Elementary Education

Megan C. Gilmore

cum laude B.A., Elementary Education

Lillian Sisualik Gordon

B.A., Elementary Education

Emily Anne Gray

B.A., Elementary Education

Sally Beth Guzman

B.A., Elementary Education

Jamie R. Hallberg

B.A., Elementary Education

Molly Teresa Hautman

B.A., Elementary Education

Brittany Ann Hayes

cum laude B.A., Elementary Education

Elisha Joanne Howard

cum laude B.A., Elementary Education

Samantha Mae Lamphier

B.A., Elementary Education

Emily Rose McCarthy

B.A., Elementary Education

Jessica Rynae McCormick

cum laude B.A., Elementary Education. Golden Key Honor Society

Amanda Renee Mcklveen

B.A., Elementary Education

Kevin M. Morden

B.A., Elementary Education

Samantha Ann Rogers

B.A., Elementary Education

Kelley R. Ryan

B.A., Elementary Education



Darci Ann Hanson  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure

Karen Leigh Harris  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure

Matt R. Heaney \*\*  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure

Brent L. Hostetter \*  
Gr. Cert., Secondary Education

Natali Lee Jones  
Gr. Cert., Counseling

Patricia A. Keon \*  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure

Jessica Chase King  
Gr. Cert., Secondary Education

Stephanie Nicole Knaebel  
Gr. Cert., Secondary Education. Phi Kappa Phi  
Honor Society

Lisa Marie Kozarik  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure. Golden Key Honor Society

Stephanie E. Nafpliotis \*\*  
Gr. Cert., Post-Baccalaureate K-12 Special  
Education Licensure

Olga Anatolyevna Napolilli  
Gr. Cert., Guidance and Counseling

Stacey J. Paniptchuk

- Iris Avila Hartshorn**  
M.Ed., Education: Secondary Education. Golden Key Honor Society. B.S., University of Alaska Fairbanks, 2010.
- Judy Wanjiru Harun Muhando**  
M.Ed., Counseling: Community Counseling. B.A., Moi University (Kenya), 2003.
- Seth J. Hawkins**  
M.Ed., Counseling: Community Counseling. B.A., University of Alaska Fairbanks, 2008.
- Kara Nicole Haymond**  
M.Ed., Counseling: School Counseling Secondary. Phi Kappa Phi Honor Society, University of Central Arkansas, 2008.
- Jesse M. Hensel**  
M.Ed., Education: Secondary Education. B.L.A., Sarah Lawrence College (New York), 2006; M.F.A., San Francisco Art Institute (California), 2008.
- Jimie Horath \*\***  
M.Ed., Education: Secondary Education. B.S., University of Alaska Fairbanks, 2006.
- Kelly Lynne Houlton \***  
M.Ed., Education: Curriculum and Instruction. B.S., University of Alaska Fairbanks, 1988.
- Lauren M. Johnson**  
M.Ed., Education: Secondary Education. B.A., California State University - Fullerton, 2007.
- Samantha R. Johnson**  
M.Ed., Counseling: School Counseling Secondary. B.S., University of Alaska Fairbanks, 2011.
- Angela Euphala Jones \*\***  
M.Ed., Counseling. B.S.O.E., Wayland Baptist University (Texas), 2002.
- Annie Marie Krenzer**  
M.Ed., Education: Elementary Education. Golden Key Honor Society. B.A., University of Alaska Fairbanks, 2006.
- Alysa Jean Klisto Loring**  
M.Ed., Education: Secondary Education. B.A., Western Oregon University, 1999; M.A., University of Alaska Fairbanks, 2007.
- Veronica Lee Mays**  
M.Ed., Education: Secondary Education. B.A., Rhode Island College, 1983.
- William Stephen McCulloch \*\***  
M.Ed., Counseling: School Counseling Secondary. B.S., Troy State University - Dothan (Alabama), 2004.
- Mary Isabel McFetridge \*\***  
M.Ed., Education: Secondary Education. B.A., University of Alaska Fairbanks, 1994.
- Tina Louise Michels-Hansen**  
M.Ed., Education: Cross-Cultural Education. B.A., Sheldon Jackson College (Alaska), 2001.
- Karaline Mae Naegele**  
M.Ed., Counseling: School Counseling Secondary. Golden Key Honor Society. Phi Kappa Phi Honor Society. B.A., University of Alaska Fairbanks, 2009.
- Stephanie E. Nafpliotis**  
M.Ed., Special Education. Phi Kappa Phi Honor Society. B.A., University of Alaska Fairbanks, 2001.
- Suzanne Kathleen Nolan**  
M.Ed., Education: Secondary Education. B.S., University of Idaho, 1998.
- Heather M. Olson \*\***  
M.Ed., Education: Secondary Education. B.A., University of Alaska Fairbanks, 2011.
- Beth M. Ott**  
M.Ed., Counseling: School Counseling Secondary. B.A., University of Puget Sound (Washington), 1996.
- Susan Elaine Comeaux Powell**  
M.Ed., Counseling: Community Counseling. Phi Kappa Phi Honor Society. B.A., Boston College (Massachusetts), 2006.
- Wanda Lee Reams**  
M.Ed., Education: Language and Literature - Native Language Education. B.A., Seattle Pacific University (Washington), 1988.
- Leah Denise Sansone \***  
M.Ed., Special Education. B.S., Southern Connecticut State University, 1991.
- Jacqueline Bouvier Schmidthans**  
M.Ed., Special Education. B.S., University of Alaska Fairbanks, 2001.
- Karina Elise Selby**  
M.Ed., Education: Secondary Education. B.S., University of Hawaii -Manoa, 2003.
- Natasha Skinner**  
M.A., Social Development of Preadolescent Females: Interdisciplinary Program. B.A., City University of New York, 2006.
- Christie Dawn Sloan**  
M.Ed., Education: Elementary Education. B.A.S., University of Alaska Fairbanks, 2006.
- Melodee Anne Sonnenberg**  
M.Ed., Special Education. B.A., University of Alaska Fairbanks, 2009.
- Michelle JoAnn Spillane**  
M.Ed., Education: Secondary Education. Golden Key Honor Society. B.A., University of Alaska Fairbanks, 2003.
- Danika A. Stephens**  
M.Ed., Counseling: Community Counseling. Golden Key Honor Society. B.A., University of Alaska Fairbanks, 2008.
- Emily E. Stolarski \***  
M.Ed., Education: Secondary Education. B.F.A., Shepherd University (West Virginia), 2000.
- Giselle Mae Stone**  
M.Ed., Education: Secondary Education. B.A., Whitworth University (Washington), 2010.
- Heather Lauren Stump**  
M.Ed., Special Education. B.A., Mount Union College (Ohio), 2010.
- Jodi A. Swanson \*\***  
M.Ed., Education: Secondary Education. B.A., Columbia College (Illinois), 1992.

## Baccalaureate Degrees

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Morgan L. Bender  
magna cum laude B.S., Fisheries

Michael Bryan Courtney  
magna cum laude B.S., Fisheries

Mark D. Evans \*\*  
B.S., Fisheries

Joshua Isaac Frazier \*\*  
B.S., Fisheries

Elizabeth Kandror  
B.S., Fisheries

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\* Summer degree recipient

\*\* December degree recipient

## Baccalaureate Degrees

---

Spencer T. Abrams \*\*

Colin Jeremy Olnier

B.B.A., Accounting

Aubray Marie Onderik \*

B.B.A., Business Administration: Management

Ondrej Palecek

summa cum laude B.B.A., Business

Administration: Finance. University Honors

Scholar

Elizabeth Noel Partlow

B.B.A., Accounting

Kathryn Sue Petersen

B.B.A., Business Administration: General

Business

Sara Katherine Phillips

B.B.A., Accounting

Crystal Denali Pitney

B.B.A., Business Administration: General

Business

Funglada Pungfeung

B.B.A., Business Administration: Marketing

Heather Rose Sacora

B.B.A., 6(o)-2(rm(a)14(t)-14(i)14(o)17(n)2(:)21( M)4(a)-15(r)12(k)5(et)-14(i)-11(n)8(g))TJ /T1\_1 1 Tf 0 Tc 0 Tw 8

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\* Summer degree recipient

\*\* December degree recipient

- Jamie K. Hansen**  
M.S., Resource and Applied Economics. B.A., Earlham College (Indiana), 2003; M.A., Georgetown University (District of Columbia), 2007.
- Adam Jared Henderson**  
M.B.A., Business Administration: Capital Markets. B.B.A., University of Alaska Fairbanks, 2012.
- Claire E. Ho man**  
M.B.A., Business Administration: General Management. B.S., Washington State University, 2005.
- Shana Michelle Ingebrigtsen**  
M.B.A., Business Administration: General Management. B.B.A., University of Alaska Fairbanks, 2004.
- Kyle Harrison Jones**  
M.B.A., Business Administration: Capital Markets. Phi Kappa Phi Honor Society. S., Oklahoma State University - Stillwater, 2009.
- Lyazzat Zhanabilevna Khamzina**  
M.B.A., Business Administration: General Management. B.S., University of Alaska Fairbanks, 2011.
- Patryce D. McKinney**  
M.B.A., Business Administration: General Management. B.A., University of Alaska Fairbanks, 2010.
- Temuujin Munkhjargal**  
M.B.A., Business Administration: General Management. B.B.A., National University of Mongolia School of Economics, 2007.
- Hans Phillip Odegard**  
M.B.A., Business Administration: General Management. Golden Key Honor Society. B.B.A., University of Alaska Fairbanks, 2011.
- Lawana Jean Pacheco**  
M.B.A., Business Administration: Capital Markets. Golden Key Honor Society. B.B.A., University of Alaska Fairbanks, 2012.
- David Pelunis-Messier \*\***  
M.B.A., Business Administration: General Management. B.S., Cornell University (New York), 2008.
- Natasa Raskovic**  
M.B.A., Business Administration: Capital Markets. B.S., University of Alaska Fairbanks, 2011.
- Sierra Sadler \*\***  
M.B.A., Business Administration: Capital Markets. B.B.A., University of San Diego (California), 2011.
- Carrie Lee Santoro**  
M.S., Resource and Applied Economics. B.A., Point Loma Nazarene University (California), 1981.
- Karl Weston Schulz**  
M.B.A., Business Administration: General Management. B.A., Seattle University (Washington), 2009.
- Maryalice Grace Short**  
M.B.A., Business Administration: General Management. B.B.A., American InterContinental University (Illinois), 2005.
- Jescia Raenelle Sigh \*\***  
M.B.A., Business Administration: General Management. B.B.A., University of Alaska Fairbanks, 2009.
- Sean Oliver Sigh \*\***  
M.B.A., Business Administration: General Management. B.B.A., University of Alaska Fairbanks, 2011.
- Juella T. Sparks**  
M.B.A., Business Administration: General Management. B.B.A., University of Alaska Fairbanks, 1984.
- Zachary Carl Woodbury**  
M.S., Resource and Applied Economics. B.A., University of Nevada, Reno, 2009.
- Hanna Lynn Zerr**  
M.B.A., Business Administration: General Management. B.A., Kansas State University, 2009.



# e Class of

D P D

C E M

Dr. Douglas J. Goering, Dean

Abhijit Chatterjee \*\*

Ph.D. Engineering: Environmental Engineering

B.S., Calcutta University (India), 2000; M.T., Jadavpur University (India), 2004.

thesis: Modeling Biosorption of Cadmium, Zinc, and Lead onto Native and Immobilized Citrus Peels in Batch and Fixed Bed Reactors

Biosorption by citrus peels removed cadmium, lead and zinc in batch and fixed bed reactors. The investigation included competition by other metals and calcium, treatment of mining effluent, alginate-immobilization of peels, acidic desorption of saturated column, and modeling breakthrough curves considering external mass diffusion, intra-particle mass transfer and/or surface reaction.

Major Professor: Dr. Silke Schiewer

Yanhong Gu \*

Ph.D. Engineering: Mechanical

B.E., Luoyang Institute of Technology (China), 1999; M.E., China University of Geosciences, 2002.



Christopher Raye Hecker \*

Ph.D. Computer Security: Interdisciplinary Program

B.S., University of Alaska Fairbanks, 1997; M.S., University of Alaska Fairbanks, 2007.

thesis: A Methodology for Intelligent Honeytrap Deployment and Active  
Engagement of Attackers

This research effort provides a methodology to dynamically generate context-  
appropriate honeynets. The honeynet conforms to the target environment using

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\* Summer degree recipient

\*\* December degree recipient

Alisha Susana Drabek \*\*

Ph.D. Indigenous Studies

B.A., University of Arizona, 1994; M.F.A., University of Arizona, 1996.

esis: Liitukut Sugpiat'stun (We Are Learning How To Be Real People):







Nicole DeRoin \*\*  
Ph.D.



Ryan P. Kovach \*\*

Ph.D. Biological Sciences: Wildlife Biology

B.S., University of Montana, 2008.

esis: Salmonid Phenology, Microevolution, and Genetic Variation in a Warming Alaskan Stream

A critical question in ecology is how populations will respond to climate warming. Long-term demographic, genetic, and environmental data were used to determine the patterns, mechanisms, and consequences of climate-induced changes in salmon migration timing. Migration timing shifted substantially, partially due to evolution, but abundances and genetic diversity were stable.

Major Professors: Dr. David Tallmon and Dr. Mark Lindberg

Dominick Joseph Lemas \*\*

Ph.D. Biochemistry and Molecular Biology

B.S., University of Vermont, 2006.

esis: Gene-By-Diet Interactions and Obesity Among Yup'ik People Living In Southwest Alaska

An investigation of gene-by-diet interactions that modified genetic risk of developing obesity in Yup'ik people used genetic markers in obesity candidate genes and nitrogen stable isotope ratios of red blood cells as a biomarker for marine-derived n-3 polyunsaturated fatty acids intake to evaluate changes in obesity-related phenotypes.

Major Professor: Dr. Bert Boyer

Taryn M. Lopez

Ph.D. Environmental Chemistry

B.S., University of Wisconsin - Eau Claire, 2003; M.S., Michigan Technical University, 2006.

esis: Characterization and Interpretation of Volcanic Activity at Redoubt, Bezymianny and Karymsky Volcanoes through Direct and Remote Measurements of Volcanic Emissions

Volcanic emissions measurements can be used to characterize eruptive activity and infer subsurface processes at active volcanoes. This dissertation uses direct and remote volcanic emissions measurements to: (1) quantify emissions from Redoubt Volcano, (2) detect magma ascent at Bezymianny Volcano, and (3) remotely characterize diverse activity at Karymsky Volcano.

Major Professor: Dr. Catherine Cahill

Xuanye Ma \*\*

Ph.D. Space Physics

B.S., University of Science and Technology (China), 2008.

esis: Kelvin-Helmholtz Instability and Magnetic Reconnection at the Earth's Magnetospheric Boundary

Entropy can strongly increase only for small ionospheric plasma beta conditions. A field-aligned current can be generated by a guide magnetic field, a perpendicular shear flow, and inclusion of Hall physics. Magnetic reconnection is strongly modified by mutual interaction with Kelvin-Helmholtz modes for southward interplanetary magnetic field conditions.

Major Professors: Dr. Antonius Otto and Dr. Curt Szuberla



Jacob Raymond Mongrain \*\*

Ph.D. Geology

B.S., University of Maine, 2001; M.S., University of Alaska Fairbanks, 2006.

thesis: Depositional Systems, Paleoclimate, and Provenance of the Late Miocene to Pliocene Beluga and Sterling Formations, Cook Inlet Forearc Basin, Alaska

Investigation of the Beluga and Sterling formations of the Cook Inlet forearc basin, Alaska, revealed significant differences in depositional style. These differences are ascribed to sediment- flux changes related to the 1.8 Ma (Cà • 8 Š±0ABN'

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\* Summer degree recipient

\*\* December degree recipient

James D. Stone

Ph.D. Biological Sciences

B.A., Rice University (Texas), 2004.

thesis: Experimental and theoretical Studies of the Pollination Ecology of Gynodioecy

Gynodioecy, describing populations of females and hermaphrodites, is surprisingly common among plants. Pollination ecology helps account for this prevalence as well as the remarkable variation observed in gynodioecious sex ratios. I use theoretical and empirical approaches to describe pollinators' role in the evolution and maintenance of gynodioecy.

Major Professors: Dr. Matthew Olson and Dr. Naoki Takebayashi

Huy Nguyen Quang Tran \*\*

Ph.D. Atmospheric Sciences

B.E., Ho Chi Minh City University of Technology (Vietnam), 2004; M.S., Asian Institute of Technology (Thailand), 2008.

thesis: Analysis of Model and Observation Data for the Development of a Public PM<sub>2.5</sub> Air-Quality Advisories Tool (AQuAT)

An air-quality advisory tool that combines mobile measurements of particulate matter less than or equal to 2.5  $\mu$ m in diameter (PM<sub>2.5</sub>) with outputs of an air-quality model was developed to interpolate PM<sub>2.5</sub> measurements into unmonitored neighborhoods in Fairbanks, Alaska, and to provide a spatially differentiated public air-quality advisory.

Major Professor: Dr. Nicole Mölders

Heidi L. Weigner \*\*

Ph.D. Biological Sciences

B.S., University of Alaska Anchorage, 2001.

thesis: Freshwater Fish Biogeography in the Bering Glacier Region, Alaska

Bering Glacier, Alaska, is Earth's largest surging glacier. Surges and retreats lead to a dynamic environment for aquatic communities. Purposes of this study are to characterize fish communities and provide information relevant to their management for BLM. Given Bering Glacier's remoteness, little information exists regarding its fish communities.

Major Professors: Dr. Kris Hundertmark and Dr. Frank von Hippel

# S E

Bradley Wray Barr \*\*

Ph.D. Ocean Wilderness Stewardship: Interdisciplinary Program

B.S., University of Maine, 1977; M.S., University of Massachusetts, 1987.

thesis: Ocean Wilderness in Theory and Practice

“Wilderness” is an idea routinely linked to the land, but rarely to the sea. This research explored how wilderness is defined, how wilderness qualities of ocean waters are perceived, identified wilderness waters designated in North America, and offered recommendations regarding appropriate identification and management of future ocean wilderness areas.

Major Professors: Dr. Andrew Kliskey and Dr. Gordon Kruse

Benjamin John Daly \*

Ph.D. Fisheries

B.S., Hobart College (New York), 2003; M.S., University of Alaska Fairbanks, 2007.

thesis: Red King Crab Hatchery Culture and Ecological Requirements:

Applications for Stock Enhancement

Stock enhancement is being considered for red king crabs in Alaska. My research addresses bottlenecks associated with hatchery production and lays groundwork for developing release strategies. I demonstrate that hatchery production can be improved with specific rearing protocols and suggest that releases during the early juvenile stages may be beneficial.

Major Professor: Dr. Ginny Eckert

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\* Summer degree recipient

\*\* December degree recipient

Michael R. Garvin \*\*

Ph.D. Fisheries

B.S., University of Washington, 1991; M.S., University of Alaska Fairbanks, 2008.

thesis: Population Genetics and Mixed Stock Analysis of Chum Salmon

(*Oncorhynchus keta*) with Molecular Genetics

Genetic information from salmon caught in the marine environment is used to assign individual fish to a population of origin. This dissertation describes methods to perform these analyses and identifies possible reasons for genetic similarities among chum salmon populations in western Alaska, which are important for subsistence and commercial fisheries.

Major Professor: Dr. Anthony Gharrett

Tammy Dee Hoem Neher \*\*

Ph.D. Fisheries

B.S., Boise State University (Idaho), 1998; M.S., Boise State University (Idaho), 2002.

Kray Fleming Van Kirk \*

Ph.D. Fisheries

B.A., Linfield College (Oregon), 1987; B.S., Sheldon Jackson College (Alaska), 2001; M.S., University of Alaska Fairbanks, 2008.

thesis: Multispecies Age-Structured Assessment Modeling as a Tool of Fisheries Management in the Gulf of Alaska

A multispecies age-structured assessment model for the Gulf of Alaska is developed to assess the effects of integrating predation mortality into stock assessment efforts. Trophic structure, predator functional response, model response to flawed data and assumptions, and multispecies biological reference points and harvest control rules are examined.

Major Professor: Dr. Terrance Quinn II

S N R  
A S

Dr. Stephen D. Sparrow, Interim Dean

Peter Martin Anthony \*\*

Ph.D. Natural Resources and Sustainability

B.A., St. Olaf College (Minnesota), 1999.

thesis: Soil Fertility and Corn and Soybean Yield and Quality in a Six-Year Nitrogen and Phosphorus Fertilization Experiment

Within agricultural fields, soils differ in ability to supply nutrients to crops and crops vary in demand for nutrients. Our research quantified this variability in nutrient supply and crop demand, determining ways for farmers to apply supplemental nutrients in amounts that optimize yield while minimizing economic and environmental risk.

Major Professor: Dr. Stephen Sparrow

Carolyn K. Levings \*\*

Ph.D. Botany: Interdisciplinary Program

B.F.A., Oklahoma State University - Stillwater, 2000; B.S., University of Oklahoma, 2004; M.S., Miami University (Ohio), 2006.

thesis: Anatomical and Mechanical Characteristics of Woods Used to Manufacture Bassoons

Bassoon resonant and non-resonant woods were compared and found to be statistically different using anatomy and tapping. Two Alaska hardwoods were compared to the resonant and non-resonant woods and found to group with the non-resonant wood. Lists of resonant characters and resonant North American hardwoods (incomplete) were compiled.

Major Professor: Dr. Valerie Barber

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\* Summer degree recipient

\*\* December degree recipient

Kimberley Anne Camille Maher

Ph.D. Forest Science: Interdisciplinary Program

B.S., Boston College (Massachusetts), 1998; M.S., University of Alaska Fairbanks, 2005.

thesis: Birch, Berries, and the Boreal Forest: Activities and Impacts of Harvesting Non-Timber Forest Products in Interior Alaska

Non-timber forest products contribute to livelihoods and economies in Interior Alaska, but are poorly documented. This interdisciplinary dissertation uses survey, interview, and tree ring data to investigate harvest activities and impacts. Results show harvesting NTFPs is widespread; harvesters often seek intangible benefits; and climate change may impact NTFP availability.

Major Professor: Dr. Glenn Juday

Brian D. Young \*\*

Ph.D. Natural Resources and Sustainability

B.S., Lewis and Clark College (Oregon), 1996; M.S., University of Alaska Fairbanks, 2009.

thesis: Diversity in the Boreal Forest of Alaska: Distribution and Impacts on Ecosystem Services

Sustainable forest management requires a clear understanding of the biological diversity of forested ecosystems. In this dissertation, I examined forest diversity in terms of species richness, evenness, and structure using existing forest inventories within the boreal forest of Alaska in four distinct frameworks: Recruitment, Patterns, Predictions, and Production.

Major Professor: Dr. John Yarie

C

S

M

D

E

UAF graduate Matthew D. Emmons, '03, is one of the most successful athletes in Alaska Nanook history. A standout shooter on the rifle team, Emmons helped lead the Nanooks to four consecutive national championships, from 1999 – 2003. He also earned four NCAA individual titles along the way, and was the first and only shooter in NCAA history to claim three career NCAA smallbore championships.

In international competition, Emmons is consistently ranked among the top 10 rifle shooters in the world. He has won three medals in the last three Olympic Games: gold in 2004, silver in 2008 and bronze in 2012.

Originally from Browns Mills, N.J., Emmons now lives in the Czech Republic with his Czech-born wife, Katerina, also a rifle shooter, and their daughter, Julia.

E R

DR. CAROLA. BARNHARDT



# E R

## DR. CHARLES CRAPO

P S S , E

Dr. Charles Crapo has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1983 to 2013.

His work as a seafood scientist, professor and marine advisory specialist has had a tremendous impact on Alaska's fishing industry, and he has established an excellent level of credibility that has earned him the respect and confidence of seafood plant personnel, harvesters, fishermen, regulators and industry leaders across the State, all of whom praise him highly for his outreach projects and service to improve the quality, safety and development of their products, and for advancing the science of seafood quality and handling.

His research is informed by the needs of the industry; and he has authored more than forty peer-reviewed publications and many technical or extension bulletins focusing on seafood quality and product development, and has worked on more than one hundred many sponsored projects funded by Federal agencies.

He has, during his time at the University, developed and taught seven graduate and undergraduate classes, guided eight students toward their interdisciplinary master's degree in seafood science, and advised countless others.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. Charles Crapo for his extensive contributions to the State of Alaska and to the University.

## DR. JOEL D. IRISH

P A , E

Dr. Joel D. Irish has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1998 to 2013.

He has been an outstanding faculty member who developed the biological anthropology program, and has taught a wide range of undergraduate and graduate classes that have been both demanding and popular, earning him the award of Excellence in Teaching by the College of Liberal Arts.

His research pertaining to dental anthropology and human osteology has an impressive international scope, with extensive fieldwork conducted in Egypt, where he has been the bioarchaeologist for two expeditions, and in Alaska, where he played a key role in the excavation and recovery of the remains of one of the earliest inhabitants of North America.

His service record is substantial and varied, having served as President of the Dental





# E R

## DR. PETER P. SCHWEITZER

P A , E

Dr. Peter P. Schweitzer has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1991 to 2013.

He is a highly regarded and popular Professor of Anthropology and esteemed mentor who taught classes at both the undergraduate and graduate levels, and whose contribution to the curriculum was rich and varied, and who served as Department Head as well as Chair of more than twenty-graduate committees.

He most recently served as the Director and Principal Investigator for the Alaska EPSCoR project, which brings together research from across the Statewide system; and his own research endeavors pertaining to regional areas such as Siberia and the Russian Far East and topical matters such as the anthropology of climate change and indigenous political movements have resulted in millions of dollars of external funding and more than y published articles, six edited volumes and a co-authored book.

His professional service endeavors are equally vast, with numerous University committees as well as activities outside the institution, including President of the International Arctic Social Sciences Association, Board Member of the Arctic Research Consortium of the U.S., and a Steering Committee Member of Resources and Sustainable Development in the Arctic.

e University of Alaska Fairbanks expresses its deep appreciation to Dr. Peter P. Schweitzer for his extensive contributions to the State of Alaska and to the University.

## MS. JANSANDERSSTITT

C D M C , E

Ms. Jan Sanders Stitt served the University of Alaska Fairbanks with distinction from 1973 to 1976 and from 1981 to 2013.



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S

J C. S

With unwavering dedication, passion and wisdom, Mr. John C. Sackett has served the State of Alaska as a public servant for more than twenty years.

Mr. Sackett was born in 1944 at Old Woman's Slough, a spring camp located along the Huslia River in west-central Alaska. He attended Sheldon Jackson High School, where he graduated as class valedictorian. At the encouragement of a teacher, he made his first trip Outside to attend Ohio University, seeking a degree in finance. To alleviate the cultural shock, he spent hours in the library, studying everything he could about the state he deeply missed. After his freshman year, he transferred to the University of Alaska.

In Fairbanks, Mr. Sackett's exemplary leadership skills emerged as he became involved with Alaska Native land claim issues. At age twenty-one he became President of the recently formed. Stk k p s4-19(a s S)-1Hir6(e(e)-8(. T)84(o aR1(s)

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## G S.S

rough his more than thirty years' work in archaeology, Dr. George S. Smith has established himself as a leader in the profession, recognized on national and international levels for his holistic approach to the field. He brought cultural sensitivity to the practice, taking it beyond pure academics and technical skills to encompass aspects such as the application of law and ethics, interaction with the public, and collaborations with Native peoples.

Dr. Smith's career in archaeology began at the University of Alaska Fairbanks, where he received his master's degree in 1978. After eight years as a Research Associate in Archaeology at the University of Alaska Museum, Dr. Smith went on to work as a supervisory archaeologist with the National Park Service in Washington, D.C. From there he accepted a position at the National Park Service Southeast Archaeological Center as Division Head for the investigation and evaluation division, later becoming Associate Director and then Acting Director before his retirement in 2009. He is currently an adjunct member of the faculty with the Department of Anthropology at Florida State University.

Dr. Smith has worked with several Universities in the U.S. and Europe in regards to archaeology in higher education. He helped establish the first Society for American Archaeology Public Education Task Force and was key in making public education one of the critical elements of the SAA agenda. He has been instrumental in the formation of workshops and conferences on topics such as archaeology in higher education and cultural heritage management. He received an honorary doctoral degree from the University of South Florida in 2000, and in 2007, the Society for American Archaeology Excellence in Cultural Resource Management Award.

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P. Z

Dr. John P. Zarling's dedication to the mission of the University of Alaska Fairbanks is exemplary. He is recognized for his tenure and contributions as a professor, researcher and as an emeritus faculty member in the field of arctic engineering. Throughout his career and in retirement, he has remained an important contributor to the University, to industry in the State, and to arctic and cold-climate research.

Dr. Zarling has consistently demonstrated his support of UAF through his active participation in mentoring students, faculty and staff as well as his generous philanthropic contributions to the University. Dr. Zarling's unwavering dedication to education, to mentoring young leaders and to the University as a whole is to be commended.





# A T

For centuries, pomp and circumstance have added color and dignity to the recognition of scholastic achievement. Modern academic dress evolved from caps and gowns worn in medieval universities, which were agencies of the church. Academic gowns distinguished university personnel from townspeople who also wore gowns for daily dress. The costumes of doctors and lesser clerics were not as elaborate as those prescribed for officials, but they were distinctive nonetheless. Through the centuries, the traditional pageantry has not changed much. In ancient times, each individual scholar wore special colors, fur and fabrics, as did his students. Since the traditions began, however, official standards have been documented that allow the observer to identify more about the scholar.

## G

Three types of black gowns may be distinguished in UAF's academic procession. Certificate, associate and baccalaureate gowns have long, pointed sleeves. Master's gowns have oblong sleeves with an arc cut away in the front. Doctoral gowns are faced with velvet and have bell-shaped sleeves with three bars of velvet.

## H

UAF's master's and doctoral degree candidates will receive their hoods today, signifying they have gone beyond the bachelor's degree to a higher level of academic achievement. UAF's colors are blue and gold, and these colors line the inside of each hood. The velvet trim signifies the scholar's field of study: master of arts, white; master of business administration, drab; master of education, light blue; master of engineering, orange; master of fine arts, brown; master of science, yellow; and doctor of philosophy, dark blue.

## M

The square Oxford cap, or mortarboard, is black and has a long tassel fastened to the middle of the top. Some colleges and universities use the soft beret, but the prevailing style of cap is the traditional mortarboard. You may notice the University of Alaska regents and some of the faculty wearing soft beret-style caps. For undergraduates receiving their first degree, the tassel is customarily worn on the right side and shifted to the left after receiving the diploma. At many institutions, colored tassels are worn to indicate the candidate's school or college. At UAF, a blue and gold tassel is worn on the cap for all certificates and associate, baccalaureate and master's degrees, and gold tassels are worn for all doctoral degrees.

While you may not be able to identify the origins of each specific academic robe and hood appearing in today's commencement ceremony, you can reflect that from the certificate recipient in a simple black gown to the doctor of philosophy in a velvet

