

# 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 2012 we celebrate 95 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. 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.

# CONGRATULATIONS!

UA PRESIDENT PATRICK K. GAMBLE

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# UNIVERSITY OF ALASKA FAIRBANKS

## COMMENCEMENT EXERCISES: MAY 13, 2012

ANDREW CASSEL (CLASS OF 2012) AND LUCAS ELLIOTT (CLASS OF 2009) WILL READ GRADUATES' NAMES AS THEY CROSS THE STAGE

PROCESSIONAL

GRAND MARCH

FACULTY

Regent Freitag; President Gamble; Chancellor Rogers;  
Provost Henrichs

Jim Dixon, *Class of 1990 & 1991*

Kirsten Hutchinson, *Class of 2012*  
Walter Fourie, *Class of 2005 & 2012*

**ENSEMBLE 64.8 (UAF PERCUSSION GROUP)**  
Director: Morris Palter

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.

Justin M. Cannon, College of Engineering  
and Mines ..... *orange and black chevron*  
Sacha Dwyer, College of Liberal Arts ..... *fuchsia and white*  
Hailey Chacon, College of Natural Science  
and Mathematics ..... *golden yellow*  
Ruth Osborne, College of Rural and

ACADEMIC DEGREE  
ABBREVIATIONS

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	Certificate
Gr. CERT	Graduate Certificate
M.A.	Master of Arts
M.A.T.	Master of Arts in Teaching
M.B.A.	Master of Business Administration
M.C.E.	Master of Civil Engineering
M.Ed.	Master of Education
M.E.E.	Master of Electrical Engineering
M.F.A.	Master of Fine Arts
M.N.R.M.G.	Master of Natural Resources Management and Geography
M.S.	Master of Science
M.S.E.	Master of Software Engineering
Ph.D.	Ph.D.

## GRADUATION WITH HONORS

Associate and baccalaureate degree students who graduated with honors in August and December 2011 and candidates for graduation in May 2012 wear a gold honor cord. Cumulative grade point averages required for graduating with honors are:

*summa cum laude* ..... 3.9 or higher with no grades lower than an A-  
*magna cum laude* ..... 3.75 – 3.8 • *cum laude* ..... 3.5 – 3.74

## HONORS PROGRAM

The Honors Program graduation designation indicates completion of this program, which requires exceptional aptitude, academic performance and achievement in a challenging course of study. Honors students must complete 12 or 27 credits in specially designed courses and an honors capstone/senior thesis in their major. Students may also earn honors credits by studying abroad, through thesis credits, contracts, independent study agreements or through state, national or international internships. Graduating Honors Thesis Scholars have earned 12 honors credits and wear a long blue-trimmed and striped gold sash with a single blue and gold honor cord. University Honors Scholars have earned 27 honors credits and wear the same sash with a double blue and gold honor cord.

## G

# THE CLASS OF 2012

## CERTIFICATES, ASSOCIATE, BACCALAUREATE AND MASTER'S DEGREES

### BACCALAUREATE DEGREE

---

**Lisa Mae Anders**

B.S., Electrical Engineering: Computer  
Engineering

**David E. Apperson**

B.S., Mechanical Engineering: Aerospace  
Emphasis

**Lyle Jordan Axelarris**

*magna cum laude*, B.S., Civil Engineering

**Jason William Bell**

B.S., Electrical Engineering: Communications

**Edward Charles Gabriel Bergeron**

B.S., Mechanical Engineering

**Patrizia Bolz**

*magna cum laude*, B.S., Geological Engineering.



**Steven M. Gieryic**

*cum laude*, B.S., Petroleum Engineering

**Amanda L. Green**

*cum laude*, B.S., Civil Engineering

**Russell W. Grieve \*\***

B.S., Civil Engineering

**Lin Gu**

B.S., Petroleum Engineering

**Kelsey Rose Hallford ,r (E)186)8@350256)76)146)5040104-256)8gTJT11\_1 Tf0.028 Tc -0.028 Tw 8 0**

B.S., Mechanical Engineering

**Justin Harvey**

B.S., Computer Engineering

**Jennifer Christine Holland \*\***

*summa cum laude*, B.S., Civil Engineering

**Adele Frances Hople**

*cum laude*, B.S., Civil Engineering. Golden K(e)b7 0 0 2A(e)-12(r61 Tfl 490.007 Tc -0.007(, B)-\*)30439(,)-3G8(e)-2(e r)18(e)-5(

\* Summer degree recipient

\*\* December degree recipient

**Amy L. Steiner**

B.S., Civil Engineering

**Kyle Robert Teegardin**

B.S., Electrical Engineering

**Tadeusz Casimir Tomasic**

**BACCALAUREATE DEGREE**

---

**Aaron Albert Acevedo**

B.A., History

**Antonio D. Adlesperger \*\***

B.A., Justice

**Jessica Lynn Adlesperger**

*cum laude*, B.A., Social Work

**Keva Gay Alexander**

B.A., Communication

**Laverne L. Alexander**

B.A., Social Work

**Jessica Lynn Allard**

B.A., English

**Chloe Susanne Allen \*\***

B.S., Nutrition and Community Wellness:  
Interdisciplinary Program

**Taylor Marie Altenburg**

B.A., Psychology

**Ali Daniel Amhaz-Strickland \*\***

*magna cum laude*, B.A., Philosophy; Political  
Science.

---

\* Summer degree recipient

\*\* December degree recipient

**Kelsey Ace Bearden**

*magna cum laude*, B.A., Foreign Language:  
Single Language: Spanish; Biological Sciences.  
*University Honors Scholar*

**Christopher Ray Behnke**

B.A., Northern Studies

**Sarah Jean Belmont**

*cum laude*, B.A., Journalism: Broadcast  
Journalism

**Adeline Maria Bernal \***

B.A., Psychology

**Michael Stephanie Berrie**

B.A., Art

**Kendall Christine Bethune**

B.A., Justice

**Veronica Dale Bjorkman**

B.A., English

**Emily R. Blurton**

*magna cum laude*, B.A., Art. *Golden Key Honor  
Society*

**Angelina Isabel Bolton**

B.A., Foreign Language: Single Language:  
Spanish

**Jon-Kiefer Bowne \*\***

B.A., Theatre: Design/Technical Theatre

**Steven P. Bridwell \*\***

B.A., English

**Kimrah Nicha Brotherson \*\***

B.A., Journalism: Broadcast Journalism

**Abigail Darden Brown \*\***

B.A., Linguistics

**Heather Marie Bryant**

**Chelsea Rae Fillingim**

B.A., Social Work. *Student Ambassador*

**Carlo Emilio Finucci**

B.A., Communication

**William Morris Forsko**

B.A., Philosophy

**Kaitlan Elizabeth Fournier \*\***

B.A., Justice

**Rachel Marie Frame**

*magna cum laude*, B.A., History; Foreign

Language: Single Language: German. *University*

*Honors Scholar*

**Caleb Joseph Frazier**

*magna cum laude*, B.A., English. *ROTC*

*Commissioned Cadet*

**Matt Ray Freel \*\***

B.A., Japanese Studies

**Danah Elizabeth Frey**

B.A., Social Work

**Kathleen Anne Frost \*\***

*cum laude*, B.A., Psychology

**Raymond Escobar Ganacias**

B.A., Communication. *ROTC Commissioned Cadet*

---

\* *Summer degree recipient*

\*\* *December degree recipient*

**Joel D. Isaak**

B.F.A., Art: Sculpture

**Yasunari Izaki**

*summa cum laude*, B.F.A., Art: Sculpture. *Golden Key Honor Society. Phi Kappa Phi Honor Society*

**Dustin Earl James**

B.T., Interdisciplinary Studies: General Studies

**Lora Lee Janneck \*\***

B.A., Art

**Eric C. Johnson \*\***

B.A., Japanese Studies. *Golden Key Honor Society*

**Gabrielle Monique Johnson \*\***

B.A., Art

**Leif William Johnson \*\***

B.A., Sociology

**Max J. Johnson**

B.A., Political Science

**Erica Joyce**

*magna cum laude*, B.A., English

**Jared K. Karr**

B.A., Justice

**Brianne Alessandra Kimberlin**

B.A., History

**Rajeeyah Lashawn King**

B.A., Psychology

**Robert Charles Kinnard III**

B.A., Justice. *Leadership Distinction*

**John Taylor Kirkland \*\***

B.A., English

**Joseph Klecka**

B.A., Journalism: Broadcast Journalism

**Lindsey Lorene Jane Kline**

B.A., History of Art: Interdisciplinary Program

**Amy Elizabeth Knight**

B.A., Anthropology

**James Michael Koepfel**

B.A., English

**Kathryn C. Koerner \***

B.A., Psychology

**Monica Elzbieta Kunat**

B.A., Political Science

**Emily Renee Kurpuweit**

B.A., Art

**JoAnna Marie LaBelle \*\***

*magna cum laude*, B.S., Anthropology. *Golden Key Honor Society*

**Danielle Franesca Lafon \***

B.A., Social Work

**Molly Maqpee Lane**

B.A., Journalism: News-Editorial

**Wendy Jo Langton**

*cum laude*, B.A., Psychology

**Steven Alexander Laszloffy**

B.A., Art

**Qian Li**

B.A., Journalism: Broadcast Journalism

**Amanda Kay Lindholm**

B.A., Social Work

**Kelly Allison Lowry \*\***

*summa cum laude*, B.A., Art

**Aftan LeeAnn Lynch**

B.A., Interdisciplinary Studies: General Studies

**Klara Roselynn Maisch**

*cum laude*, B.F.A., Art: Printmaking

**Jesse William Manchester \*\***

B.A., Foreign Language: Single Language: Spanish. *Golden Key Honor Society*

**Jacob Albert Mannix**

B.A., Justice

**Arthur Ivan Martin**

B.A., Political Science

**David P. Matheny**

B.A., Political Science

**Kelly Rose McCarthy**

B.F.A., Art: Painting

**Ben J. McDaniel**

B.A., History; Communication

**Kayley E. McDevitt \*\***

B.A., Justice

**Andrea Christine McLaughlin**

B.A., Psychology

**Jennie Lynn McLean \*\***

B.A., Interdisciplinary Studies: General Studies

**Alfred D. Mendoza Jr \***

B.A., Art

**Victoria Lane Middelstadt**

*cum laude*, B.A., Journalism: Photojournalism

**Lindsey Raven Miller**

*cum laude*, B.A., Foreign Language: Single Language: Spanish

**Bruce Anthony Benjamin Molnia**

B.A., Philosophy

**Jordyn Elizabeth Montgomery**

*summa cum laude*, B.A., Psychology

**Peter James Moore \*\***

B.A., Justice

**Kathleen S. Nava**

B.A., Women and Gender Studies: Interdisciplinary Program

**Holly Nicole Neal \*\***

B.A., Social Work

**Catelyn Amanda Neason**

B.A., Psychology

**Joshua Thomas OBrien \***

B.A., Political Science

**Erik Gardiner Ofelt \***

B.A., English

**Emma Irene Olanna**

*cum laude*, B.A., Social Work

**Heather Marie Olson**

*cum laude*

**Travis M. Payton**

*cum laude*, B.A., Japanese Studies. *Golden Key Honor Society*

**Mackenzie Renee Jung Ah Peeler**

B.A., Psychology

**William Robert Pendleton**

B.A., History; Political Science

**Lisa Jo Pennoyer**

B.A., Social Work

**Jessica Anne Peterson**

B.A., Social Work

**Kimberly A. Plante**

*cum laude*, B.A., Social Work. *Phi Kappa Phi Honor Society*

**Melishsa Ann Prine**

B.A., Rural Behavior Health: Interdisciplinary Program

**Cory Hamilton Pringle**

B.A., Interdisciplinary Studies: General Studies

**Eric Dean Prowker**

B.F.A., Art: Sculpture

**John Eric Fronias Quiliza**

*magna cum laude*, B.A., Journalism: Broadcast Journalism

**Carol M. Randall**

B.A., Interdisciplinary Studies: General Studies

**Derick Allen Rhodes**

B.A., Psychology

**Keane Sky Richards**

B.A., Political Science. *University Honors Scholar*

**Michelle Bernadette Risse \***

*magna cum laude*, B.A., Psychology

**Matthew Johnson Robinson**

*cum laude*, B.A., History. *Golden Key Honor Society*

**Jordan E. Rodgers \*\***

B.A., Social Work

**Angelo Norberto Rolando \*\***

B.S., Anthropology

**Mindy Mae Ruehling**

B.A., East Asian Studies: Interdisciplinary Program

**Omar Rutledge**

*cum laude*, B.S., Psychology

**Ginger L. Ryan \*\***

B.A., Interdisciplinary Studies: General Studies

**Katia Victoria Salazar**

B.A., Justice

**Jonathan Clark Sallows**

*cum laude*, B.A., English

**Veronica Angelica Samaniego \***

B.A., Psychology

**Larina Marie Santos**

B.A., Social Work

**Dustin James Sather \*\***

B.A., Communication

**Rachel Gertrude Saylor \***

B.A., Journalism: Photojournalism

**Eric W. Schaetzle**

B.A., Philosophy

**Madeline Amber Scholl \*\***

B.A., Music

**Shalom K. Schrader \***

*cum laude*, B.A., English

**Jeremia Lucas Schrock**

B.A., History

\* Summer degree recipient

\*\* December degree recipient

**Tonya Louise Uptegraft**

B.A., English

**Carly J. Varness**

*magna cum laude*, B.A., Anthropology

**Amber J. Vinegar**





**Miriam L. Braun \*\***

B.S., Geology

**Kyra Ann Brown**

B.S., Chemistry: Forensic Chemistry

**Kelcy Noelle Brunner**

B.S., Applied Physics: Atmospheric Physics

**Alesha Mae Castner**

*cum laude*, B.S., Chemistry

**Kayla Michelle Chardon**

B.S., Wildlife Biology and Conservation

**Mark T. Chase**

*magna cum laude*, B.A., Mathematics. *Golden Key  
Honor Society*

**Alyssa Luvena Crawford**

B.S., Biological Sciences

**John Joseph Curran \*\***

B.S., Mathematics

**Jayne Sue Currie \*\***

*cum laude*, B.A., Biological Sciences

**Samantha Kelsey Davis**

*cum laude*, B.S., Geology

**Kit Dalton Dawson \*\***

*magna cum laude*, B.S., Applied Physics. *Phi Kappa*

**Megan G. Richards**

*cum laude*, B.S., Physics; Mathematics. *University Honors Scholar. Golden Key Honor Society*

**Sayde Kay Ridling**

*cum laude*, B.S., Biological Sciences

**Jordan Charles Ross**

B.S., Chemistry: Biochemistry/Molecular Biology

**Catherine Elizabeth Rubin**

*magna cum laude*, B.S., Wildlife Biology. *Honors Thesis Scholar*

**Jenna Celine Schmidt**

*cum laude*, B.S., Biological Sciences. *University Honors Scholar. Leadership Distinction*

**Timothy Paul Sharp \*\***

*cum laude*, B.S., Wildlife Biology

**Shona R. Snater**

B.S., Wildlife Biology

**Kristen Michelle Sparling \*\***

B.A., Biological Sciences

**Ethan Stewart Stephens**

B.A., Biological Sciences

**Elias Sanford Sturm**

B.S., Biological Sciences

**Nicholas Bryant Traxler \*\***

B.S., Geology

**James Riley Ward**

B.S., Biological Sciences

**Levi J. Wegner \*\***

B.S., Biological Sciences

**Enzo Erik Wendler**

*cum laude*, B.S., Physics; Mathematics

**Andrew Thomas Winkelman**

*cum laude*, B.S., Physics. *Golden Key Honor Society*

**Grant McCoy Wright \*\***

B.S., Chemistry: Biochemistry/Molecular Biology

**Carrie Lynn Yardley**

B.S., Geology

**GRADUATE CERTIFICATE**

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**Jennifer K. Roach \*\***

Gr. CERT, Statistics

**ANNE'S DEGREE**

---

**Spencer D. Audie**

M.S., Biology. *Golden Key Honor Society.*

\* Summer degree recipient

\*\* December degree recipient

**Jozef Alexander Slowik \***

M.S., Biology. *B.S., Metro State College of Denver (Colorado), 2001.*

**Lisa K. Smith**

M.S., Molecular Mechanisms of Infectious Disease: Interdisciplinary Program. *B.S., University of Alaska Fairbanks, 2008.*

**Srikamal Jaganraj Soundararajan**

M.S., Physics. *B.S., University of Madras (India), 2003; M.S., Bharathidasan University (India), 2005.*

**Kevin P. Stack**

M.S., Geology: General Geology. *B.S., University of Wisconsin Oshkosh, 2008.*

**Jean Kirsten Karns Talbot \*\***

M.S., Atmospheric Sciences. *B.A.S., Lewis and Clark College (Oregon), 2007.*

**Joel D. Vonnahme \*\***

M.A., Chemistry. *B.S., University of Alaska Fairbanks, 2008.*

**Ashley N. Wallace**

M.S., Environmental Chemistry. *B.S., Millersville University (Pennsylvania), 2008.*

**Patrick Dylan Wallace**

M.S., Physics.



**Tamara Lynn Grass \*\***

*Community and Technical College, CERT, Health Care Reimbursement*

**Sugar Ray Greist**

*Interior-Aleutians Campus, CERT, Construction Trades Technology*

**Crystal Ann Gumlickpuk**

*Bristol Bay Campus, CERT, Community Health*

**Melissa Gayle Hacker**

*Community and Technical College, CERT, Diesel/Heavy Equipment*

**Lorna C. Hale**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Rachel Vivian Hanft \*\***

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Shannon Elyse Haywood \***

*Community and Technical College, CERT, Applied Business Management*

**Nicole Dawn Hoblet**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Kendra C. Hoffman**

*Kuskokwim Campus, CERT, Rural Human Services*

**Tracy M. Horn**

*Kuskokwim Campus, CERT, Rural Human Services*

**Constance Lee Huizenga**

*Community and Technical College, CERT, Safety, Health and Environmental Awareness Technology*

**Angela Loretta Hutwagner**

*Community and Technical College, CERT, Pre-Nursing Qualifications*

**Ruth B. Ingalrea**

*Kuskokwim Campus, CERT, Rural Human Services*

**Leanna Kaligtok Isaac**

*Kuskokwim Campus, CERT, Rural Human Services*

**Anthony J. Jackson**

*Community and Technical College, CERT, Power Generation*

**Michael B. Jackson**

*Kuskokwim Campus, CERT, Rural Human Services*

**Jon L. James**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Jeremy W. Jeffries**

*Bristol Bay Campus, CERT, Community Health*

**George Alexander Jensen**

*Community and Technical College, CERT, Diesel/Heavy Equipment*

**Lee Joe Jr \*\***

*Interior-Aleutians Campus, CERT, Construction Trades Technology*

**Amy J. Johnson \*\***

*Community and Technical College, CERT, Safety, Health and Environmental Awareness Technology*

**Maronda Sue Johnson \***

*Community and Technical College, CERT, Dental Assistant*

**Ulyius L. Johnson**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Megan Ann Jones**

*Community and Technical College, CERT, Accounting Technician*

**Mitchell Andrew Jones \*\***

*Community and Technical College, CERT, Airframe and Powerplant*

**Stacey Chong Jones**

*Community and Technical College, CERT, Health Care Reimbursement*

**Sarah Iris Jowers**

*Community and Technical College, CERT, Accounting Technician*

**Toni Marie Kadish \***

*Community and Technical College, CERT, Medical Assistant*

**Julie Marie Kaiser**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Marie Teresa Katcheak \*\***

*Northwest Campus, CERT, High Latitude Range Management*

**Adina Maria Keirn**

*Community and Technical College, CERT, Drafting Technology: Civil Drafting*

**Virginia Pearl Kelly**

*Kuskokwim Campus, CERT, Rural Human Services*

**Noel Analese Kitselman**

*Community and Technical College, CERT, Medical Assistant*

**Justine Jason Klein \*\***

*Community and Technical College, CERT, Pre-Nursing Qualifications*

**Scott Richard Kranenburg \*\***

*Interior-Aleutians Campus, CERT, Construction Trades Technology*

**Johanna Rose Kukes**

*Interior-Aleutians Campus, CERT, Community Health*

**Sherry Ann Kulukhon**

*Interior-Aleutians Campus, CERT, Rural Human Services*

**Jessica Lynn Martin**

*Community and Technical College, CERT,  
Accounting Technician*

**Kathleen Migan Mathers \*\***

*Community and Technical College, CERT, Applied  
Business Management: Computer Applications*

**Maureen A. Mayo**

*Community and Technical College, CERT, Applied  
Business Management: Human Resources*

**Janet Elaine McDaris**

*Community and Technical College, CERT, Applied  
Business Management: Office Administration*

**John D. McDermott \*\***

*Community and Technical College, CERT, Airframe  
and Powerplant*

**Jessica Yvonne McGinty \*\***

*Interior-Aleutians Campus, CERT, Community  
Health*

**Michele A. McLean-Rose \***

*Bristol Bay Campus, CERT, Environmental Studies*

**Nicole Elizabeth McWhirter**

*Community and Technical College, CERT, Medical/  
Dental Reception*

**Danielle Angilaq Mendenhall**

*Kuskokwim Campus, CERT, Rural Human Services*

**Kyle William Miller**

*Community and Technical College, CERT, Diesel/  
Heavy Equipment*

**Franklin P. Murphy**

*Kuskokwim Campus, CERT, Rural Human Services*

**Lisa Mary Murray**

*Community and Technical College, CERT,  
Accounting Technician*

**Chad Brett Nanuk**

*Community and Technical College, CERT, Diesel/  
Heavy Equipment*

**Paula M. Napoka**

*Kuskokwim Campus, CERT, Community Health*

**Thomas Neil Nayokpuk**

*Bristol Bay Campus, CERT, Community Health*

**Sidney Daniel Nelson \*\***

*Bristol Bay Campus, CERT, Environmental Studies*

**Amanda Joline Nethken**

*Community and Technical College, CERT, Health  
Care Reimbursement*

**Amanda Joline Nethken**

*Community and Technical College, CERT, Medical/  
Dental Reception*

**Amanda Joline Nethken**

*Community and Technical College, CERT, Medical  
Assistant*

**Suzann R. Nicolai**

*Community and Technical College, CERT,  
Accounting Technician*

**Natasha Monique Nielsen**

*Community and Technical College, CERT, Pre-  
Nursing Qualifications*

**Antonio Noursworthy \*\***

*Community and Technical College, CERT, Drafting  
Technology: Architectural Drafting*

**Donna Marie Northway \*\***

*Interior-Aleutians Campus, CERT, Educator: Para-  
Professional*

**Jessica June Nottingham**

*Community and Technical College, CERT, Health  
Care Reimbursement*

**a6(2)n)6(JT11 TcJ0.015 T250 Tc 0 Tw 8 0 0 417 4**

\* Summer degree recipient

\*\* December degree recipient







**Garrett Joseph Burgett**

*Community and Technical College, A.A.S., Process  
Technology*

**Agrita Butterfoss \***

*Community and Technical College, cum laude, A.A.*

**Nathan Allen Carey**

*Community and Technical College, A.A.S.,  
Emergency Services*

**Norman C. Carlo Jr \*\***

*Community and Technical College, A.A.S., Process  
Technology*

**Carolyn Lucy Cason**

*Community and Technical College, A.A.S., Human  
Services: Behavioral Health*

**Tod Alan Chambers**

*Community and Technical College, cum laude,  
A.A.S., Emergency Services*

**Amber Dawn Champagne \*\***

*Community and Technical College, A.A.S., Applied  
Business: Computer Applications*

**Eric Wayne Chandler \*\***

*Community and Technical College, A.A.S., Process  
Technology*

**William E. Fox**

*Community and Technical College, A.A.S., Drafting Technology*

**Tisheena Katie Frank**

*Community and Technical College, A.A.*

**Karesa Louise Fraser**

*Community and Technical College, A.A.S., Applied Accounting*

**Savanna Lee Frederick**

*Community and Technical College, A.A.S., Medical Assistant*

**Courtney Danae Freel**

*Community and Technical College, A.A.S., Applied Business: Finance*

**Travis Luc Fricks-Culbreath**

*Community and Technical College, cum laude, A.A.S., Culinary Arts*

**Joshua J. Fritts \***

*Community and Technical College, A.A.S., Emergency Services: Emergency Medical Services*

**Jay Michael Fulk \***

*Community and Technical College, A.A.S., Applied Business: Finance*

**Marilyn Kathryn Fye**

*Community and Technical College, cum laude, A.A.S., Construction Management. Golden Key Honor Society*

**Jennifer Marie Gamerdinger**

*Community and Technical College, A.A.S., Paralegal Studies*

**Christina Lynn Gasparini**

*Community and Technical College, A.A.S., Medical Assistant*

**Desiree Erika Gauges**

*Community and Technical College, A.A.S., Paralegal Studies*

**Audre Marie Gifford**

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

**Derek Rene Gilbertson \***

*Community and Technical College, A.A.S., Construction Management*

**Carmill Ann Goldsberry**

*Community and Technical College, A.A.S., Applied Business: Management*

**Wilson Sam Green**

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

**Barrie J. Greenfield**

*Community and Technical College, cum laude, A.A.*

**Kelsey Lynn Greenup**

*Community and Technical College, A.A.*

**Delores Jane Gregory**

*Community and Technical College, A.A.*

**Marlies Nicole Guest \*\***

*Community and Technical College, A.A.S., Paralegal Studies*

**Christie Brock Hampton**

*Community and Technical College, magna cum laude, A.A.S., Paralegal Studies*

**Elona Hanson \*\***

*Community and Technical College, A.A.S., Medical Assistant*

**Vernon P. Harling**

*Community and Technical College, A.A.S., Human Services: Interdisciplinary Concentration*

**Ada L. Hawkins \*\***

*Community and Technical College, magna cum laude, A.A.S., Applied Accounting*

**Courtney Goins Hawks**

*Community and Technical College, A.A.*

**Shannon Elyse Haywood \***

*Community and Technical College, magna cum laude, A.A.S., Applied Business*

**Christina Ann Elizabeth Heaps**

*Interior-Aleutians Campus, A.A.S., Human Services with Rural Health Services Certificate: Addictions Counseling*

**Alex Deputy Helsell \***

*Community and Technical College, A.A.S., Aviation Maintenance*

**Mary J. Hill \***

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

**Jimi H. Hochstetler \*\***

*Community and Technical College, A.A.*

**Crystal Doreen Maver Hoffman**

*Kuskokwim Campus, A.A.*

**Nicholas David Hoffmann**

*Community and Technical College, A.A.*

**Steffanee Ann Holt \***

*Community and Technical College, A.A.*

**Jessica Jo Huf**

*A.A.S., Renewable Resources*

**Aimee Jeannette Hughes**

*Community and Technical College, A.A.S., Apprenticeship Technology*

**Tobias Humphrey \*\***

*Community and Technical College, magna cum laude, A.A.S., Applied Accounting*

**Violet M. Huntington \*\***

*Community and Technical College, A.A.S., Applied Business: Administrative Management*

**Joneva Krystal Huwe**

*Community and Technical College, A.A.*

**Kathryn Mary Ishnook \*\***

*Bristol Bay Campus, A.A.S., Applied Accounting*

**Anthony J. Jackson**

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

**Jamie Teresa James**

*Community and Technical College, A.A.S., Applied Accounting*

**Jason DeVon Johnson**

*Chukchi Campus, A.A.*

**Pamela Lynn Jones**

*Community and Technical College, A.A.*

\* Summer degree recipient

\*\* December degree recipient

**Rebecka Anne Jones \*\***

*Community and Technical College, A.A.S., Applied  
Business: Applied Management*

**Samantha Nicole Jones**

*Interior-Aleutians Campus, A.S.*

**Katrina Elizabeth Miller \*\***

*Community and Technical College, cum laude,  
A.A.S., Applied Business: Entrepreneurship*

**Davin Clifford Mitchell**

*Community and Technical College, A.A.S.,  
Professional Piloting*

**Benjamin R. Moore**

*Community and Technical College, A.A.S.,  
Emergency Services: Emergency Medical Services*

**Melissa Susan Moore \*\***

*Community and Technical College, A.A.S., Applied  
Sociology*

**Jason Stephen Morgan \*\***

*Interior-Aleutians Campus, A.S.*

**Patty E. Mulcare**

*Community and Technical College, summa cum  
laude, A.A.S., Applied Accounting*

**Bruce Ryan Nelson**

*Interior-Aleutians Campus, A.A.S. ) - 3 ( 93 / T 1 ( i [ ( C 93 ( , 2 2 ( m ) - 6 0 1 s )*

**Sarah N pple**

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\* Summer degree recipient

\*\* December degree recipient



**Jeremy L. Wegner \*\***

*Community and Technical College, summa cum laude, A.A.S., Applied Business: Human Resources*

**Stefan Gabriel Weingarth**

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

**Ian David Weir \*\***

*Community and Technical College, A.A.*

**Angela Dawn Wheeler**

*Community and Technical College, A.A.*

**James P. Williamson**

*Community and Technical College, A.A.S., Information Technology Specialist: Computer Technology Support*

**Amy Michele Hatfield Wilson \*\***

*Community and Technical College, A.A.*

**Mark Dennis Wojcinski**

*Community and Technical College, A.A.*

**Sarah Renee Wood**

*Community and Technical College, A.A.*

**Danielle Renee Woodard \*\***

*Interior-Aleutians Campus, A.S.*

**Kala Marie Workman**

*Community and Technical College, A.A.S., Emergency Services: Emergency Medical Services*

**Georgia Louisa Young \*\***

*Community and Technical College, cum laude, A.A.S., Paralegal Studies*

**Paul Donald Young Jr \*\***

*Community and Technical College, A.A.S., Emergency Services: Municipal Fire Control*

**Hongkai Zhang \***

*Community and Technical College, A.A.S., Applied Accounting*

**Donald Fredric Zigga \*\***

*Community and Technical College, A.A.S., Applied Business*

**William D. Zimmer**

*Community and Technical College, A.A.S., Paralegal Studies*

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**BACCALA  E DEGREE**

**Virginia Ruth Baim**

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\* Summer degree recipient

\*\* December degree recipient

# SCHOOL OF E



**Mia R. Peterburs**

Gr. CERT, Elementary Education

**Rafael Ramirez-Ruiz**

Gr. CERT, Teaching Credential-Secondary Education

**Peter James Leroy Reed**

Gr. CERT, Secondary Education

**Peter James Leroy Reed**

Gr. CERT, Secondary Education

**Leah Denise Sansone**

Gr. CERT, Post-Baccalaureate K-12 Special Education Licensure

**Sarah N. States**

Gr. CERT, Secondary Education

**Meagan Joy Sykes**

**Francine Renee Kazenoff**

M.Ed., Education: Secondary Education. *Golden Key Honor Society. B.A., University of Alaska Fairbanks, 2002.*

**Elizabeth Ann Keech**

M.Ed., Counseling: Community Counseling. *B.A., Colgate University (New York), 1998.*

**Song Hui Kim**

M.Ed., Education: Secondary Education. *B.A., University of Washington, 2009.*

**Virginia Rose Tschanz Kinne**

M.Ed., Counseling: School Counseling K-12. *B.A., University of Alaska Fairbanks, 2005.*

**Alexandra Elizabeth Lower**

M.Ed., Education: Secondary Education. *B.A., University of Alaska Anchorage, 2009.*

**Kenneth J. Mach \*\***

M.Ed., Education: Secondary Education. *B.A., Drake University (Iowa), 2000.*

**Eugenia Alejandra Merrifield \***

M.Ed., Education: Secondary Education. *B.A., University of California Berkeley, 1991.*

**Kalea Marie Myers**

M.Ed., Education: Secondary Education. *B.A., University of Alaska Anchorage, 2006.*

**Misty Dawn Nelson**

M.Ed., Education: Cross-Cultural Education. *Phi Kappa Phi Honor Soci2 1 Tf 1 Tf 1 Tf 1 2T1-6( 1 2T1-6( 1 2) -6(f A)-19(l)-14(a)-36(sk)-23(a F)7(a)-13(i)5(r)-10(b)-8(a)-13(n)-10*

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*B.A., University of Alaska Anchorage, 2006.*  
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# SCHOOL OF FISHERIES AND OCEAN SCIENCES

*Dr. Michael A. Castellini, Dean*

**B**

**D**

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**' D**

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# SCHOOL







# SCHOOL OF NATURAL RESOURCES AND AGRICULTURAL SCIENCES

*Dr. Carol E. Lewis, Dean*

# THE CLASS OF 2012

DOCTOR OF PHILOSOPHY DEGREES



COLLEGE OF ENGINEERING AND MINES

*Dr. Douglas J. Goering, Dean*

**Walter Johannes Fourie \*\***



**Zhenhua Rui \*\***

**Ph.D. Energy and Mineral Engineering Management: Interdisciplinary Program**

*B.S., Nanjing Normal University (People's Republic of China), 2004; M.S., University of Alaska Fairbanks, 2009; M.B.A. University of Alaska Fairbanks, 2011.*

**Thesis: Comprehensive Investigation into Historical Pipeline Construction Costs and Engineering Economic Analysis of Alaska In-State Gas Pipeline**

This study analyzes historical cost data of 412 pipelines and 220 compressor stations in terms of various parameters to provide a reference for the pipeline industry. On the basis of this analysis, the study also evaluates the feasibility of an Alaska in-state gas pipeline using Monte Carlo simulation techniques.

**Major Professors: Dr. Paul Metz and Dr. Gang Chen**



**COLLEGE OF LIBERAL ARTS**

*r. Anita Hartmann, Acting Dean*

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\* Summer degree recipient

\*\* December degree recipient

**Valerie M. Gifford**

**Ph.D. Clinical-Community Psychology**

*(Awarded jointly by the University of Alaska Fairbanks and the University of Alaska Anchorage)  
B.A., University of Alaska Fairbanks, 1997; M.S.W., Yeshiva University (New York), 2001.*

# C

**Jessica Anne Coltrane**

**Ph.D. Biological Sciences: Wildlife Biology**

*B.S., Davidson College (North Carolina), 1994; M.S., University of Florida, 1998.*

**Thesis: Ecological and Physiological Adaptations of the Porcupine to Winter in Alaska**

Captive and field studies were conducted to determine the physiological and ecological adaptations of the North American porcupine (*Erethizon dorsatum*) to winter in Alaska. Porcupines were able to efficiently digest low quality forage and conserve energy by maintaining low field metabolic rates, while utilizing fat stores to conserve lean tissue.

**Major Professors: Dr. Peregrine Barboza and Dr. Donald Spalinger**

**Maegan M. Daniello-Weltzin \***

**Ph.D. Biochemistry/Molecular Biology**

*B.S., University of Alaska Fairbanks, 2006.*

**Thesis: Investigation of the Allosteric Modulators Desformylflustrabromine and 4-(2-Hydroxyethyl)-1- Piperazineethanesulfonic Acid (Hepes) Interactions on Nicotinic Acetylcholine Receptors**

Dysregulation of neuronal nicotinic acetylcholine receptors (nAChRs) can lead to pathologies including Alzheimer’s disease, autism and nicotine addiction. New therapeutic avenues are positive allosteric modulators (PAMs). This thesis investigates the PAMs desformylflustrabromine and 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES) interactions with alpha7 and alpha4beta2 nAChRs. Discoveries will facilitate the development of therapeutic ligands.

**Major Professor: Dr. Marvin Schulte**

**Matthew Langdon Drucshcshcs81p82895s 10€ 36(d29cs)T850(1030 9 5.940.4 348 702**





## **Lola Kay Oliver**

### **Ph.D. Geology**

*B.A., University of Alaska Fairbanks, 1969; M.S., University of Alaska Fairbanks, 1971.*

### **Thesis: Characterization of Permafrost Development by Isotopic and Chemical Analysis of Soil Cores Taken From the Copper River Basin and an Upland Loess Deposit in Interior Alaska**

Chemical and isotopic analyses of pore water from permafrost cores taken from the dry lake bed of ancient Lake Atna in the Copper River Basin and from an upland loess deposit northeast of Fairbanks, Alaska, reveal information about the local past environments not available by other means.

**Major Professor: Dr. Vladimir Romanovsky**

## **Santosh Kumar Panda \*\***

### **Ph.D. Geology**

*B.S., Sambalpur University (India), 2001; M.S., Indian Institute of Technology Roorkee (India), 2003.*

### **Thesis: Permafrost Distribution Mapping and Temperature Modeling Along the Alaska Highway Corridor, Interior Alaska**

The study employed a combination of field data and remote sensing techniques to generate a near-surface permafrost map for a part of the Alaska Highway corridor. It also modeled the effects of past and future changes in air temperature and winter snow precipitation on permafrost temperature and active-layer thickness.

**Major Professor: Dr. Anupma Prakash**

## **Peter G. Rinkleff**

### **Ph.D. Geology**

*B.S., Bemidji State University (Minnesota), 1996; M.S., New Mexico Institute of Mining and Technology, 1999.*

### **Thesis: Transport and Formation Processes for Fine Airborne Ash from Three Recent Volcanic Eruptions in Alaska: Implications for Detection Methods and Tracking Models**

A study of the chemistry and morphology of airborne ash collected from three

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\* Summer degree recipient

\*\* December degree recipient

**Maciej G. Śliwiński**  
*Ph.D. Geology*



**Robert Edward Wilson \***

**Ph.D. Biological Sciences: Biology**

*B.S., University of Minnesota Twin Cities, 1997.*

**Thesis: Genetic and Phenotypic Divergence Within and Between Cinnamon Teal (*Anas cyanoptera*) and Blue-winged Teal (*A. discors*)**

Heterogeneity in selection pressures resulted in morphological and genetic differentiation among South American Cinnamon Teal subspecies. The recently diverged Cinnamon Teal and Blue-winged Teal are distinct morphologically and genetically. Paraphyletic populations suggest multiple North America colonizations by Cinnamon Teal, enabling the formation of Blue-winged Teal and North American Cinnamon Teal.

**Major Professor: Dr. Kevin McCracken**

**Jiang Zhu \***

**Ph.D. Atmospheric Sciences**

*B.E.E., Southeast University (People's Republic of China), 1985; M.E.E., Nanjing Aeronautical Institute (People's Republic of China), 1988.*

**Thesis: Investigation on Cirrus Clouds by Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observation Data**

Cirrus clouds are investigated globally in terms of their macro and bulk-micro physical properties, as well as the linear depolarization ratios derived from the Cloud Aerosol Lidar and Infrared Pathfinder Satellite Observation dataset. The radiative effects of cirrus clouds are evaluated using a radiative transfer model.

**Major Professor: Dr. Kenneth Sassen**

## SCHOOL OF

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\* Summer degree recipient

\*\* December degree recipient



**Leandra de Sousa \***

**Ph.D. Oceanography: Biological**

*B.S., University of Sao Paulo (Brazil), 1997.*

**Thesis: Seabird Habitat Use and Zooplankton Abundance and Biomass in Relation to Water Mass Properties in the Northern Gulf of Alaska**

I investigated seasonal changes in seabird abundance and zooplankton biomass in the Gulf of Alaska from 1998-2003. Furthermore I investigated the association of seabird foraging guilds with oceanic and coastal domains. Lastly, I investigated climate related variability of zooplankton abundance in relation to water mass properties during May from 1998-2009.

**Major Professors: Dr. Kenneth Coyle and Dr. Thomas Weingartner**

**Jason R. Gasper \*\***

**Ph.D. Fisheries**

*B.S., University of Alaska Southeast, 2002; M.S., University of Washington, 2004.*

**Thesis: Policy and Market Analysis of World Dogfish Fisheries and an Evaluation of the Feasibility of a Dogfish Fishery in Waters of Alaska, USA**

Spiny dogfish is a valuable commodity on the world market and has a global capture distribution. Results indicate that the dogfish market is adulterated, supplied by both sustainable and non-sustainable sources. Overcoming the loss of market share may require eco-labeling to inform consumers about sustainable dogfish stocks.

**Major Professors: Dr. Gordon Kruse and Dr. Joshua Greenberg**

**Peter-John Frederick Hulson**

**Ph.D. Fisheries**

*B.A., University of Pennsylvania, 2004; M.S., University of Alaska Fairbanks, 2007.*

**Thesis: Dealing with Uncertainties in Integrated Age-Structured Assessment Models**

Dealing with uncertainties in mathematical models to estimate fish abundance has become a central focus at all levels of fisheries stock assessment and management. My goal in this dissertation was to uncover the layers of uncertainty in fishery models and provide guidance on how to include and evaluate uncertainty.

**Major Professor: Dr. Terrance Quinn II**

**Mandy J. Keogh \***

**Ph.D. Marine Biology**

*B.S., Texas A&M University, 1999; M.S., San Diego State University (California), 2006.*

**Thesis: Endocrine and Immune Profiles of Immature Pinnipeds**

There is increasing interest in the health of pinnipeds due to population declines and conservation concerns. This study assessed the "health" of animals by quantifying hormones associated with fat mass, lipid and water metabolism, and growth as well as leukocyte counts and in vitro proliferation of peripheral blood

\* Summer degree recipient

\*\* December degree recipient

**Sara Elizabeth Miller \***

**Ph.D. Fisheries**

*B.A., University of Colorado Boulder, 2000; M.S., University of Alaska Fairbanks, 2007.*

**Thesis: Physical Mechanisms for Variation in Pink Salmon (*Oncorhynchus gorbuscha*) Survival Within the Upwelling and Downwelling Domains of the Northeast Pacific**

When stability was below average within Prince William Sound, the relationship between fish condition and survival was positive. Our findings were similar between the upwelling and downwelling domains, but differed by the distance offshore. Marine survival rates increased for pink salmon that experienced below-average stability on the inner shelf during early marine residence.

**Major Professor: Dr. Milo D. Adkison**

**Dion Seth Oxman**

**Ph.D. Fisheries**

*B.S., California State University Long Beach, 1987; M.S., California State University Stanislaus, 1995.*

**Thesis: Genetic and Environmental Effects on Developmental Timing, Otolith Formation, and Gill Raker Development in Pink Salmon from Auke Creek, Alaska**

The influences of incubation temperature and genetics on hatching time and development of otoliths and gill rakers were examined in native and hybrid pink salmon. Their development was influenced by temperature. Hatching had weak genetic influences. Otolith development was canalized. Hybridization prolonged development times but did not alter gill raker development.

**Major Professor: Dr. Anthony Gharrett**

**Tania Marie Spurkland \*\***

**Ph.D. Marine Biology**

*B.A., Western Washington State University, 1971; M.S., University of Alaska Anchorage, 1988.*

**Thesis: Effects of Glacial Discharge on Kelp Bed Organisms in an Alaskan Subarctic Estuary**

This study determined how changing environmental conditions due to glacial melting affect subarctic nearshore kelp bed community structure and organism fitness. Kelps showed some resilience to glacial melt stressors through phenotypic plasticity within a genetically fixed seasonal growth cycle, but overall community composition declined.

**Major Professor: Dr. Katrin Iken**

**Ashwin Sreenivasan \*\***

**Ph.D. Fisheries**

*B.S., Bangalore University (India), 1997; B.S., Florida Atlantic University, 2002.*

**Thesis: Nucleic Acid Ratios as an Index of Growth and Nutritional Ecology in Pacific Cod (*Gadus macrocephalus*), Walleye Pollock (*Theragra chalcogramma*), and Pacific Herring (*Clupea pallasii*)**

Nucleic acid ratios (RNA/DNA) were used to compare growth between fed and starved Pacific herring, and Pacific cod and walleye pollock larvae. Changes in herring RNA/DNA indicated terminal starvation and resource allocation. Colder temperatures increased RNA/DNA in cod and pollock. Cod nucleic acid patterns were used to identify growth stanzas.

**Major Professor: Dr. William Smoker**

**Nathan Lord Stewart \*\***

**Ph.D. Marine Biology**

*B.A., Carleton College (Minnesota), 1996.*

**Thesis: The Influence of Habitat Complexity, Prey Quality, and Predator Avoidance on Sea Otter Resource Selection in Alaska**

Sea otters forage selectively in a variety of nearshore habitat types in Alaska. The focus of this dissertation was to examine the influence of benthic habitat complexity, prey quality, and predator avoidance on sea otter foraging site selection in populations inhabiting the Aleutian Islands and Lower Cook Inlet.

**Major Professor: Dr. Brenda Konar**



**SCHOOL OF NATURAL RESOURCES AND  
AGRICULTURAL SCIENCES**

*Dr. Carol E. Lewis, Dean*

\* Summer degree recipient

\*\* December degree recipient

## **James Edward Powell**

### **Ph.D. *Natural Resources and Sustainability***

*B.A., Rochester Institute of Technology (New York), 1973; M.P.A., University of Alaska Southeast, 1994.*

### **Thesis: Conditions for Effective Use of Community Sustainability Indicators for Adaptive Learning**

This study sought to identify the conditions for facilitating implementation and use of community sustainability indicator programs. Through an analysis of sustainability activities in sample cities across the United States and a case study of Juneau, Alaska, conditions for effective sustainability indicator implementation and use were discovered.

**Major Professor: Dr. Gary Kofinas**

## **Aiqin Zhao \***

### **Ph.D. *High Latitude Agriculture: Interdisciplinary Program***

*B.S., Shanxi Agricultural University (People's Republic of China), 2002; M.S., China Agricultural University, 2005.*

### **Thesis: Assessment and Prediction of Potentially Mineralizable Organic Nitrogen for Subarctic Alaska Soils**

The study was to find suitable methods to predict potentially mineralizable organic N (PMN) for subarctic Alaska soils. Results showed that PMN in these soils can be estimated by a double exponential model with fixed rate constants and unknown pool size, hot (80° C) water extractable or 1 M NaOH hydrolysable organic N.

**Major Professor: Dr. Mingchu Zhang**

# EMERITI RECOGNITION

## MS. CLARA R. ANDERSON

DIRECTOR OF INTERIOR-ALEUTIANS CAMPUS, EMERITUS

Ms. Clara R. Anderson has served the University of Alaska Fairbanks with distinction from 1983 to 2012.

She has consistently provided high-quality educational service evidenced by exemplary connection and engagement with rural Alaska communities. With extraordinary dedication, she has championed educational success for Alaska Native students at UAF for nearly 30 years

She has been described by her colleagues as a visionary who dedicated heart and soul to the development of the Interior-Aleutians Campus. Under her leadership the campus developed numerous place-based, rural-focused degree programs to meet the needs of the students and communities IAC serves. She has demonstrated faithfulness to the University mission by successfully pursuing and receiving grant funding for several student-support projects such as the TRIO Upward Bound program.

She, throughout her career, has always believed strongly in the value of higher education to improve the lives of others, working indefatigably to fulfill her vision of self-sustaining and healthy rural communities.





# EMERITI RECOGNITION

## DR. A.J. GHARRETT

PROFESSOR OF FISHERIES, EMERITUS

Dr. A.J. Gharrett has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1976 to 2012.

He is an internationally recognized leader in his field of genetics, whose more than thirty years of research helped bring distinction to the University. His work has focused primarily on Alaska salmon and rockfish, and genetic markers within their populations. The results of these studies help guide fisheries management practices. In 2006 his excellence in research was recognized by the University when he received the prestigious Emil Usibelli Award for Research.

He has an exemplary record of producing well-prepared graduate students. He has been an integral member of the School of Fisheries and Ocean Sciences fisheries program since its inception, and has led an incredibly strong research and graduate mentoring program. His classes are demanding but invaluable to the students taking them, and his teaching is considered excellent by students and peers alike.

The culmination of one of the most outstanding service activities of his career was the construction of the UAF Lena Point Fisheries Facility in Juneau. Dr. Gharrett spent more than a decade working on various aspects of the project, serving as lead faculty member on the design and construction of the facility.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. A.J. Gharrett for his extensive contributions to both the State of Alaska and the University.

# EMERITI RECOGNITION

## DR. JOHN W. KELLER

PROFESSOR OF CHEMISTRY, EMERITUS

Dr. John W. Keller has served the University of Alaska Fairbanks with distinction in teaching, research and public service from 1979 to 2012.

He is an accomplished teacher and researcher. He was a founding member of the biochemistry and molecular biology program at the University, a program that has grown significantly since its inception in 1985. He has taught a broad range of classes, and his research program has attracted student participants from all levels, including high school students, undergraduate chemistry majors and graduate students.

His work as a researcher is revered. He has authored or co-authored twenty-four research articles related to organic chemistry in books and journals. His ability to combine the disciplines of organic chemistry and molecular biology was unique to the Department for many years.

He has a strong record of service to his Department, College and the University. He has served as Department Chair and made significant contributions to the promotion and tenure process at all levels of the University. He has been a shining example of professional leadership for many years. His commitment to high standards while maintaining a friendly and enthusiastic approach to science is highly valued by his colleagues and students alike.

The University of Alaska Fairbanks expresses its deep appreciation to Dr. John W. Keller for his extensive contributions to both the State of Alaska and the University. 🏆

# EMERITI RECOGNITION

## MS. DEBRA MOSES

ASSOCIATE PROFESSOR OF DEVELOPMENTAL MATHEMATICS, EMERITUS (POSTHUMOUS)

Ms. Debra Moses served the University of Alaska Fairbanks with distinction from 1997 to 2012.

She was an exceptional instructor, a knowledgeable advisor, and a generous and intellectual colleague. She was known as a strong and gentle soul whose kindness toward others, particularly students, will always be a part of her legacy at the University.

As an instructor, she was in turns demanding of and nurturing to her students. She was responsive to their individual needs while helping them understand the mathematical concepts they needed in order to advance. She had a love of her subject that motivated even the most reluctant student. She was not only a tireless instructor but a wise advisor, who took the time and attention to understand students' stories and help them identify and reach their goals. Her undergraduate advising twice earned her the Feist-Schamel Outstanding Faculty Advisor Award in 2007 and again in 2010.

She was also a professor of service. She served on multiple committees, giving her sage input and offering her voice of reason. She was outspoken in her support of students, especially of the underserved population at UAF, including nontraditional and developmental students.

The University of Alaska Fairbanks expresses its deep appreciation to Ms. Debra Moses for her extensive contributions to both the State of Alaska and the University.

# EMERITI RECOGNITION

**MR. LARRY N. ROBERTS**

ASSOCIATE PROFESSOR OF JUSTICE, EMERIT

CHAIR, NATIONAL ENDOWMENT FOR THE  
HUMANITIES

**JAMES A. LEACH**

ARTIST AND EDUCATOR

**DANIEL P. PIERCE**

ADVOCATE, VISIONARY AND LEADER

**H. ROBIN SAMUELSEN, JR.**

Through his leadership and vision, H. Robin Samuelsen, Jr., has committed his personal life and career to

## PATTY KASTELIC

Patty Kastelic has been an innovative and inspiring leader as a strong advocate and supporter of women's rights and causes, higher education, public broadcasting, and the arts. Over the years her numerous contributions to the University, the community of Fairbanks and the State of Alaska have been unparalleled.

Ms. Kastelic has devoted many hours working for women's rights and causes, including her involvement with the National Organization of Women and the Alaska Women's Lobby Steering Committee. She was the founding director of Women in Crisis Counseling-Assistance in Fairbanks, an organization that offers counseling and support for women who have encountered a variety of difficulties, including physical abuse.

Ms. Kastelic has worked in a variety of positions within the statewide University system, including as coordinator of student affairs at the University of Alaska Fairbanks, director of the UAF Women's Center, and executive director of human resources at UA statewide. She has remained dedicated to the University after her retirement. She championed the Ruth Lister Scholarship Fund, which provides financial assistance to single mothers attending UAF's Community and Technical College, and serves on the KUAC Leadership Council, the board of directors of the Georgeson Botanical Garden, and as a member of the UAF College of Fellows.

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# ACADEMIC TRADITIONS

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 during that time. 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.

## GOWNS

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.

## HOODS

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.

## MORTARBOARDS

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 trimmed robe and colorful hood, students and professors alike are paying homage to more than 700 years of academic tradition.

An academic legend tells of a wise old Greek who dressed his students in mason's sackcloth robes and mortarboards because "Their destiny is to build. Some will build cities; some will build lives — perhaps one of them will build an empire; but all will be builders on the solid foundation of knowledge."

## CHANCELLOR'S MEDALLION

# ALASKA FLAG SONG

MUSIC BY ELINOR DUSENBURY • WORDS BY MARIE DRAKE AND CAROL BEERY DAVIS

*(with a martial air)*

Eight stars of gold on a field of blue, Alaska's flag  
May it mean to you the blue of the sea, the ev'ning sky  
The mountain lakes and the flow'rs nearby  
The gold of the early sourdough's dreams  
The precious gold of the hills and streams



Alaska Flag Song © 1985 UA Foundation.

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