

# COMMENCEMENT

S , M 26, 2012

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QVOD BONVM FELIX FAVSTVMQUE SIT INLVSTRISSIMO PAUL LEPAGE GVBERNATORI CONSILIARIIS ET SENATORIBUS QVI LITTERIS REI PVBLICAE MAINENSIS PROPRIE PRAESVNT SOCIISQVE CVRANTIBVS COLLEGI BOWDOINENSIS HONORANDIS ATQVE REVERENDIS CLARISSIMO BARRY MILLS PRAESIDI TOTI SENATVI ACADEMICO ECCLESIARVM PASTORIBVS VENERANDIS CVNCTIS DENIQVE VBIQVE GENTIVM HVMANITATIS FAVTORIBVS HASCE EXERCITATIONES IVVENES IN ARTIBVS INITIATI HVMILLIMI DEDICANT

HABITAS IN COMITIIS COLLEGI BOWDOINENSIS BRVNSVICI IN RE PVBLICA MAINENSI ANTE DIEM VII KAL IVN ANNO SALVTIS MMXII RERVMQUE PVBLICARVM FOEDERATARVM AMERICAE POTESTATIS CCXXXVI

# DEGREES

## TWO HUNDRED SEVENTH COMMENCEMENT OF BOWDOIN COLLEGE

May 26, 2012

COMMENCEMENT MARCH Chandler's Band

## OPENING OF THE COMMENCEMENT EXERCISES Jean M. Yarbrough Gary M. Pendy Sr. Professor of Social Sciences and College Marshal

INVOCATION The Reverend Mary E. Baard

## CONFERRING OF HONORARY DEGREES B M President of the College

MARGARET W. CONKEY, DOCTOR OF HUMANE LETTERS Citation by James A. Higginbotham Danielle Alexandra Abrams Anna Helena Ackerman Shazeda Irene Ahmed Chelsea Brooke Albright Charles William Aldrete William Marvin Alexander III Cristobal Alvarez Jr. Michelle Burns Zachary Meyer Bush

**Tommy Cabrera** Fernando Miguel Cantu **Thomas Wade Carter** Alexander Wittman Casbara Nicholas Michael Cataldo Elisa Norma Cecere James Charles Chen Chikako A. Cheng Morgan Elizabeth Chessman Grace Cheung Daniel John Chin Samantha Ark Chin Alexandra Mary Chlebeck Elizabeth Kay Christiansen Caroline MacKenzie Ciocca Barry Wattell Clarke Elizabeth McEachern Clegg Kaitlin Marie Clifford Calli Ann Coffee Anthony Daniel Colabella •11 Courtney Therese Colantuno Amy Elizabeth Collier Craig Alexander Comen Alexander Weston Conant Chelsea Alexandra Connon Nicole Lynn Coombes Amie Javne Corso John Bliss Coster Matthew Simon Cowin Lucia Morgan Cowles Samuel Joshua Cranin Zachary Tate Crawford Justin Coker Hannay Cree Chantal Elisabeth Croteau Sasha Ivanna Cruz Zhenghao Cui Michael Cody Cummings Michele Mala Cupid Eleanor Claire Curren Christina Curtin Andrew Hollis Cushing Hannah Lee Cyrus

Mayra da Rocha Erin Nicole D•Agostino Nicholas Joel Daniels Physics Hampton, New Hampshire **Biology and Mathematics** Cottonwood Heights, Utah English and Sociology; Minor: Spanish Boston, Massachusetts Biochemistry; Minor: Physics Brunswick, Maine Psychology; Minor: History Toms River, New Jersey Music-Environmental Studies; Minor: Phildscollogn, Montana Walpole, Massachusetts Economics English and Visual Arts Chester, New Jersey Milton, Massachusetts Biochemistry Mathematics; Minor: Economics and Final Tradego, Japan Gender and Womenes Studies Sidney, Maine Asian Studies and Government and LegalaStudiesConnecticut Biochemistry and French; Minor: English Arlington, Massachusetts Asian Studies; Minor: Biology Seattle, Washington History; Minor: Religion Mendota Heights, Minnesota **Biology-Environmental Studies** Whitefish Bay, Wisconsin Biology; Minor: Sociology Wellesley Hills, Massachusetts Government and Legal Studies New York, New York German and Government and Legal Studilessison, Ohio Chemistry; Minor: Psychology Augusta, Maine Biochemistry Old Lyme, Connecticut Woodbridge, Connecticut Philosophy Psychology; Minor: Anthropology Marblehead, Massachusetts History; Minor: Italian Washington, District of Columbia Chemistry and Music Hamden, Connecticut Biology; Minor: French Kensington, Maryland Biochemistry; Minor: Spanish Dana Point, California Economics and Sociology Simsbury, Connecticut **Chemistry-Environmental Studies** Bend, Oregon **Computer Science and Mathematics** Cairo, Egypt **Economics** Hampden, Maine Saint Paul, Minnesota English Psychology; Minor: Music New York, New York German and Government and Legal Studiles Orleans, Louisiana Classical Studies; Minor: Economics and Brindshore New York Psychology Amherst, New Hampshire Biology and Spanish Bro(Hamilton, MoiuSTJ T\* [(Mendota Heights, milt Economics; Minor: Chemistry Bru-10()scio, Washington al Studies[(Quincyensingto Mathematics; Minor: Economics and Finance Psychology; Minor: Visual Arts History Government and Legal Studies and Latin American Studies History-Environmental Studies English and Spanish

Spanish; Minor: Teaching Neuroscience and Visual Arts Government and Legal Studies; Minor: Gender and Women•s Studies

Neuroscience Government and Legal Studies Government and Legal Studies History History; Minor: Art History Philosophy and Visual Arts; Minor: Film Studies Biology **Biology-Environmental Studies** Anthropology; Minor: Biology Economics; Minor: Government and Legal Studies Economics and Government and Legal Studies History; Minor: Mathematics Government and Legal Studies Neuroscience Biochemistry; Minor: Music Government and Legal Studies; Minor: Education Studies Chemistry-Environmental Studies and Earth and Oceanographic Science

Economics; Minor: Visual Arts Economics; Minor: Government and Legal Studies Economics and Mathematics Economics; Minor: Mathematics Economics and Mathematics Biology-Environmental Studies Computer Science; Minor: Economics Government and Legal Studies; Minor: English A icana Studies and Biology; Minor: English History; Minor: Teaching Biochemistry; Minor: Spanish Biology-Environmental Studies Biology; Minor: Economics Biology; Minor: Chemistry English

CRcD Minor: Chemistry

Allen Fauntleroy Garner Elijah Janka Garrard Amanda Dorea Gartside Aisha Yvonne Geerings •11 Caroline Dunn Geoghegan Hope Kittredge Gimbel Brian Joseph Gladstone Sarah Katharine Glaser •11 Jeffrey Fox Goodrich Kathleen May Gordon Nathaniel Tabor Gordon Ellery Elizabeth Gould Malachi McLaughlin Graham Peter Lawrence Griesmer Angelica Guerrero •11 Cristina Guerrero Katherine Jane Townsend Guttenplan

Amy Katherine Hackett Peter Armstrong Hamberger Kristin Joyce Hanczor

William Joseph Hanley Samuel Hollingsworth Hanson •11 Tariq Nadeem Haq Craig Nathaniel Hardt Rasha Armon Harvey Erin Elizabeth Hatton Andrea Everdawn Heaston Felicia Marie Heider Jillyan Margaret Henrikson Clare Elizabeth Henry Kimberly Dorothy Herlach •10

Kathryn Stearns Herter Rachel Marie Herter Matthew William Hillard John Kurt Hilzinger Economics and ReligionDenver, ColoradoPsychology; Minor: Education StudiesTokyo, Japan

Classical Studies and Philosophy; Minor: Grestmourhitist, Massachusetts Government and Legal Studies and Sociologyns, New York History; Minor: Anthropology New Haven, Connecticut **Mathematics** Madison, Connecticut Classics; Minor: Film Studies Old Orchard Beach, Maine Biology; Minor: Theater Edmunds Township, Maine Biology; Minor: Art History Vassalboro, Maine Psychology; Minor: Government and LegalaStoudies, Massachusetts Biology Chattanooga, Tennessee Government and Legal Studies; Minor: Italiaford, North Carolina Economics and Government and Legal Styciesgi-do, Seoul, Republic of Korea

Chemistry and Mathematics; Minor: PhysBasgkok, Thailand Mathematics; Minor: Teaching Devon, Pennsylvania Government and Legal Studies; Minor: Sociologyce, Rhode Island Economics and Physics; Minor: Spanish Old Greenwich, Connecticut English-Environmental Studies Coronado, California Economics and Mathematics Cape Elizabeth, Maine **Economics and Spanish** Dover, Massachusetts Mathematics and Physics Sharon, Massachusetts English; Minor: Art History Jama MiyhPline Massachusetts Government and Legal Studies; Minor: Economicas Neuroscience Government and Legal Studies; Minor: Chinese Enalish **Economics** Psychology; Minor: A icana Studies **Biochemistry; Minor: Mathematics** Anthropology Latin American Studies and Spanish Economics and Physics; Minor: Chinese Government and Legal Studies; Minor: Economics Gender and Women•s Studies and Sociology Biology and French; Minor: Chemistry Government and Legal Studies Chemistry; Minor: Physics French; Minor: Chemistry Sociology; Minor: Economics Neuroscience; Minor: Chemistry **Biology and History** Biochemistry and Latin American Studies; Minor: Spanish Government and Legal Studies-Environmental Studies; Minor: Economics French and Government and Legal Studies; Minor: **Economics** Psychology; Minor: Theater Art History and Visual Arts; Minor: Anthropology Economics; Minor: Mathematics French-Environmental Studies; Minor: English Biology; Minor: English

Katelin Nord Sarah Elizabeth Nott Justin Christopher Nowell Georgia Mary-Anne Nowers

Talhia Nuñez Lonnie Dayton Nunley IV

Anna Titherington Nutter •11

Katharine June O•Brien Aaron John O•Callahan Rose Elisabeth O•Connell Ryan Durkin O•Connell Erin Elizabeth O•Donnell Colin Brooks Ogilvie Erik Peter Olson Christopher Rodriguez Omachi Lucas Michael O•Neil Olivia Heshima Orr Tiffany Dawn Orue •11

Samuel Barnaby Packard Molly Rebecca Pallman Jennifer Yee-Hwah Pan SoonHo Park •09 Tawanda Pasirayi Avinash Anant Patel Tyler Gregory Patton Jordan Lindsey Payne Daniel John Peckham Oscar Pena Rebecca Elena Perez Zachary Blas Perez Tamara Rachele Perreault Caleb Paul Pershan Noah McClellan Perwin Laura Beth Peterson Christina Rose Pindar Melanie Celine Pinette Samuel Berliner Plattus Daniel Alan Polasky Kelly Jeanne Pope Alexander Nolan Porter Nicholas Scott Powell William McLaurin Pugh

Shanthi Naidu Purushotham Emma Katharine Pyle

Matthew John Ramos Katherine Suzanne Rawden Tyler Douglas Reichert Miguel Alberto Reyes-Zaragoza Government and Legal Studies; Minor: Italiamer, Colorado Visual Arts Bronxville, New York English and Government and Legal Studiess Cob, Connecticut Student-Designed: Educational Psychology, MitooOntario, Canada Mathematics Romance Languages; Minor: PsychologySanta Ana, California Government and Legal Studies and RomaRicenhamtguages; a Minor: Economics History; Minor: A icana Studies Houston, Texas

Biochemistry and Eurasian and East Europaerabri Steudidessachusetts Government and Legal Studies; Minor: PSychology inois Gender and Women•s Studies and Socidlogywell, Massachusetts Government and Legal Studies: Minor: Sbosioildray Massachusetts Economics; Minor: English Winchester, Massachusetts **Biochemistry and Mathematics** Hopedale, Massachusetts Classical Studies and Government and Lediala Studiessota Art History Wilmette, Illinois English and Theater; Minor: Teaching South Portland, Maine Sociology; Minor: Music Hancock, Michigan Wichita Falls, Texas Biology

Government and Legal Studies; Minor: Historytown, Massachusetts History; Minor: Government and Legal Studiesel, Indiana Asian Studies; Minor: Biology Ypsilanti, Michigan Economics and Government and Legal StephiesRepublic of Korea Economics and Mathematics Harare, Zimbabwe **Economics and Mathematics** Natick, Massachusetts Portland, Oregon **Economics-Environmental Studies** Government and Legal Studies and Sociology and Park, Kansas Economics-Environmental Studies; Minorklesplawsh, Connecticut Economics: Minor: Italian Miami, Florida Biology-Environmental Studies; Minor: MBsidand, Oregon Government and Legal Studies; Minor: Theatenton, Massachusetts Asian Studies and Biology Timonium, Maryland English: Minor: Gay and Lesbian StudiesHamden, Connecticut Philosophy and Religion Miami Shores, Florida Sociology; Minor: History Chelsea, Maine Biochemistry and Latin American Studies Mountainside, New Jersey Physics; Minor: Economics Cape Elizabeth, Maine **English and Theater** New Haven, Connecticut Chemistry; Minor: Mathematics Arden Hills, Minnesota Spanish; Minor: Sociology Beverly, Massachusetts Government and Legal Studies: Minor: Stastishartford, Connecticut German; Minor: Philosophy Enfield, New Hampshire Government and Legal Studies and Russiameboliophorth Carolina French Neuroscience; Minor: Spanish Honeoye Falls, New York Art History; Minor: Visual Arts Bronxville, New York

Earth and Oceanographic Science and PW/gsicsn, MassachusettsBiochemistry and FrenchDarien, ConnecticutGovernment and Legal Studies; Minor:VBsoud/ABtsook, New JerseyNeuroscience; Minor: FrenchBoulder, Colorado

Morgane Richert	Government and Legal Studies and HistoryShanghai, People's Republic of		
		China	
Sherrone Michelle Ricks	English and Religion	Baltimore, Maryland	
Mary Elizabeth Ridley	Psychology; Minor: Italian	Portland, Maine	
Nicholas Newhall Riker	Visual Arts	Piedmont, California	
Carlos César Rios	Latin American Studies and Spanish; Minot/Telathing, Texas		
Alexander Michael Roberts-Pierel	Earth and Oceanographic Science-Environmental Staidies		
Atilano Rodriguez	Mathematics and Sociology	Chicago, Illinois	
Kristin Rogers	Psychology and A icana Studies; Minor: To	-	
Ellen Miller Rogoz	Art History; Minor: Psychology	Lincolnwood, Illinois	
Chelee Telesha Ross	Art History and Visual Arts	Saint Ann, Jamaica	
Catherine Foster Rountree	Gender and Women•s Studies and History	New York, New York	
Peter Malcolm Routh	Government and Legal Studies	Alexandria, Virginia	
Lily Nelson Rudd	English	New York, New York	
Alexandra Foy Rupp	Government and Legal Studies; Minor: Art	: <b>Nesstòny</b> rk, New York	
Christine Mia Rutan	English-Environmental Studies; Minor: Japal/esteinn, Oregon		
Charlotte Hamilton Ryan	German and Government and Legal Studi	els/estmount, Quebec, Canada	
Thomas Grosvenor Ryan	Visual Arts	Portland, Maine	
Jonathan Michael Ryss	Chemistry; Minor: English	Saint Paul, Minnesota	
Lawton Phillips Salley	History	Washington, District of Columbia	
Estefania Sanchez Art History and Archaeology; Minor: Anthropedagg, Mexico			
Coral Jean Sandler	Psychology	South Portland, Maine	
Sage Jennings Santangelo	Government and Legal Studies; Minor: Biologyporte, Colorado		
Christopher Menzies Sanville	English and Government and Legal StudiesWhite Bear Lake, Minnesota		
Anna Caterina Schember	Art History; Minor: Italian	San Francisco, California	
Rachel Elizabeth Beard	Neuroscience	Oakland, California	
Schwemberger			
Toby Douglas Sedgwick	Government and Legal Studies; Minor: Ecolmoliaircaspolitisch Indiana Finance		
Lily Bo Shapiro	Student-Designed: Aesthetics of Performa	<b>rivber</b> w York, New York	
Nadja Camille Shaw	Sociology and Spanish	New York, New York	
Robert Douglas Shaw	Biochemistry and Economics	North Reading, Massachusetts	
Robert John Shea III	Economics and Government and Legal St		
Stephen Andrew Doherty Shennan	Classics; Minor: History	Dover, Massachusetts	
Samir Dinesh Sheth	English and Psychology; Minor: Teaching		
Arseniy Sheydvasser	Mathematics and Physics	Southborough, Massachusetts	
Emily Anne Shoemaker	Economics	Houston, Texas	
Jacob Thomas Shorty	Biology; Minor: Philosophy	Gorham, Maine	
David Edward Shuck	History; Minor: Film Studies	Centennial, Colorado	
Graham Hutchings Sisson	Government and Legal Studies	Chesterfield, Missouri	
Joseph Henry Smith	English	Wilton, Connecticut	
Hillary Margaret Smyth	•		
		Anchorage, Alaska	
Elizabeth Verges Spalding	Asian Studies and Economics	Manchester, Massachusetts	
Elizabeth verges opaiding			
	French and Government and Legal Studie	-	
	Economics; Minor: Mathematics	Houston, Texas	
	French and Government and Legal Studie		
	Neuroscience; Minor: Chemistry	Cupertino, California	
	Government and Legal Studies	Arlington, Massachusetts	
	Biology; Minor: Economics	DeKalb, Illinois Birmingham, Alahama	
	A icana Studies	Birmingham, Alabama	
	Biology and Economics	Wellesley, Massachusetts	
	Biology	Wayland, Massachusetts	
	Government and Legal Studies: Minor: Vis	SIDSHID (ANKONS) IN (AN/Y (N°K	

Government and Legal Studies; Minor: VisuBabekritysh, New York

Margaret Cable Williams Teona Mercedes Williams William Kent Winingham Valerie Anne Wirtschafter Aaron Bernard Wolf Andrew Yee Won Kathryn Suzanne Woo Nicole Tomiye Woo Anna Gould Wright

Yojin Yoon Samuel Richard York Daniel Yuan Government and Legal Studies; Minor: VisuablArts/lassachusettsHistory-Environmental Studies; Minor: A iddata iStudies District of ColumbiaGovernment and Legal StudiesCarmel, IndianaHistory and Latin American Studies; MinotevSplathishs, CaliforniaPhysics and Visual ArtsChicago, IllinoisEconomics; Minor: Visual ArtsDix Hills, New YorkPsychology; Minor: Visual ArtsGroton, MassachusettsGovernment and Legal Studies; Minor: MathterRaticsna, CaliforniaEnglish; Minor: SociologyDallas, Texas

History; Minor: French Biochemistry and Physics Biology Saint Paul, Minnesota Freeport, Maine Nashua, New Hampshire

## HONORARY APPOINTMENTS

## SUMMA CUM LAUDE

John McBride Bunke Hannah Butler DeBlois Amanda Dorea Gartside Malachi McLaughlin Graham Anirudh Sreekrishnan Benjamin Heifetz Stein Brittany Renee Strohm Caroline Rogers Tory Kathryn Skyler Walley Alexander Henry Williams

Annabel Clair BoekeBenjamin Kevin JohnsonChristine Constance BucklandPornchai KaewsapsakElizabeth Kay ChristiansenHeather Margaret KinnearHannah Lee CyrusAllison Leah KuriloffErin Nicole D-AgostinoMichelle Miriam LawsonTarara Faith Deaned Kiradit austrij 7 0 0 7 80.29a60wtj 7 0 0 7 112.7.701 tm (Aapuni) tj 10 051.201 tm (D) tj (L) tj 7 0 0 7 310 04A0 7 te6.701 tm (RINFinothy Walter FarleySamuel Ehlers FrizellLindsey Marie HorowitzSamuel Ehlers Frizell

#### CUM LAUDE

Morgan Richard Andersen LAURA HILLIARD ARMSTRONG Emily Welsh Barr BENJAMIN ASHER BERG AUDREY BLANCHE BERGERON DEREK CINADER BROOKS Daniel John Chin Samantha Ark Chin CALLI ANN COFFFF CRAIG ALEXANDER COMEN JOHN BLISS COSTER MATTHEW SIMON COWIN LUCIA MORGAN COWLES JUSTIN COKER HANNAY CREE CHANTAL ELISABETH CROTEAU MICHAEL CODY CUMMINGS ANDREW HOLLIS CUSHING Kefi Maiotky Dietz RYAN VICTOR ERSKINE

Jessica Leigh Everett Allen Fauntleroy Garner ERIN ELIZABETH HATTON RACHEL MARIE HERTER JOHN HENRY HOAGLAND HANNAH ABIGAIL HOERNER WILLIAM FREDERICK MOSES HOLLAND JADE DIANA HOPKINS JENNIFER HORNG ELIZABETH LIGHTMAN HUPPERT Brittany Mae Johnson DAVEN KARP LAURA WEINMAN KERRY TANU KUMAR Christian John Larochelle SCOTT ALDEN LONGWELL Dominique Dolores Lozzi RACHEL ELIZABETH McDonald KATHERINE SARVIS MCNEIL

EMMA DIAMOND NATHANIEL GEORGIA MARY-ANNE NOWERS KATHARINE JUNE O'BRIEN NOAH MCCLELLAN PERWIN Alexander Nolan Porter Kristin Rogers THOMAS GROSVENOR RYAN LAWTON PHILLIPS SALLEY CHRISTOPHER MENZIES SANVILLE LILY BO SHAPIRO STEPHEN ANDREW DOHERTY SHENNAN Emily Anne Shoemaker ANNE IRENE SNEED ANNE THAYER STREETMAN STEPHEN KAAPUNI WAGNER JENNIFER LYNN WENZ Kathryn Suzanne Woo

### PHI BETA KAPPA

LAURA HILLIARD ARMSTRONG ANNABEL CLAIR BOEKE CHRISTINE CONSTANCE BUCKLAND JOHN MCBRIDE BUNKE Samantha Ark Chin ELIZABETH KAY CHRISTIANSEN CALLI ANN COFFF JUSTIN COKER HANNAY CREE CHANTAL ELISABETH CROTEAU HANNAH LEE CYRUS ERIN NICOLE D'AGOSTINO Tarara Faith Deane-Krantz HANNAH BUTLER DEBLOIS Samuel Ehlers Frizell Amanda Dorea Gartside Malachi McLaughlin Graham

LINDSEY MARIE HOROWITZ Benjamin Kevin Johnson Pornchai Kaewsapsak DAVEN KARP HEATHER MARGARET KINNEAR Allison Leah Kuriloff MICHELLE MIRIAM LAWSON Zoë Eliza Darling Lescaze Gina Lynn Lonati SCOTT ALDEN LONGWELL ALEXANDER ZACHERY LUCYK Mikel John McCavana SEAN PATRICK MCELROY Octavian Mihai Nfamtu RICHARD D. C. NERLAND Sarah Elizabeth Nott

Molly Rebecca Pallman Alexander Nolan Porter Mary Elizabeth Ridley Lily Nelson Rudd Jonathan Michael Ryss Lawton Phillips Salley Arseniy Sheydvasser Anne Irene Sneed Anirudh Sreekrishnan Brittany Renee Strohm Caroline Rogers Tory Kathryn Skyler Walley Jennifer Lynn Wenz Alexander Henry Williams

Students elected to Phi Beta Kappa wear green and white ribbons on their academic gowns.

Margaret W. Conkey,

her scholarship and leadership. From 1986 to 1995 she was a member of the College's Board of Overseers. She holds a J.D. degree om the Columbia University School of Law. Throughout her career, McFadden has covered many stories, including human rights abuses, interviews with world leaders, and coverage of important social issues that o en go unreported in news media outlets. The list of topics includes the American government's attempt to secure "loose" nuclear material worldwide, international tra cking in women and children, the forced sterilization of American citizens during World War II, groundwater contamination in two California towns,

# HONORS IN MAJOR SUBJECTS

## AFRICANA STUDIES

High Honors

WYATT ALEXANDER LITTLES

ALEXANDRA LEIGH FAHEY E ects of Temperature and pH on Skeletal Growth, Thickness and Ca/Mg Ratio in the Green Sea Urchin Strongylocentrotus droebachiensis

JULIA ERIN FISKE The E ects of Investigator Disturbance on Growth and Stress Responses in **Oceanodroma leuCbitksa** 

KATHERINE JANE TOWNSEND GUTTENPLAN Temperature and Size Dependent Growth in Strongylocentrotus droe Peach Grossish Rates Shi to Lower Temperatures with Increasing Size

CATHERINE KELLEY JOHNSTON Assessing Ecosystem Recovery: Vegetation Cover and Alosid Diet in a Recovering River System

SIENNA CHUNG KURLAND Pyrokinin Excites Gastric Mill Neurons in the Stomatogastric Nervous System of the American Lobster

HANA ELISABETH LITTLEFORD Characterizing the Genomic Regulation of dlx2buring Zebrafish Tooth Development

GINA LYNN LONATI Simultaneous Comparison of Green Sea Urchin Growth in the Field and Lab Using Fluorochrome Markers

TAMARA RACHELE PERREAULT Predation Response Behavior of the Luminescent Scale Worm Harmothoe imbricata

JACOB THOMAS SHORTY Intertidal Microhabitat Selection of the Rock Gunnel (Pholis gun) allads to Range along the U.S. East Coast

WILLIAM CHARLES STAFSTROM The Photoprotective Role of Anthocyanins in Coleus

ELIZABETH EDMONDSTON TARR The E ect of the Parasite Eastern Dwarf Mistletoe on the Branch-Scale Photosynthesis of Its Host, White Spruce

MICHELLE LEIGH WELLS An Analysis of Enhancer Action in Trans Between Transgenes at Non-homologous Positions

DANIEL YUAN Investigation of the Metabolic Pathways of Synthetic Antibiotic Consuming Bacteria

#### CHEMISTRY

#### Honors

KAITLIN MARIE CLIFFORD The Synthesis of a Sterically Hindered Metallocene Catalyst Рописная Каеwsарзак Eradicating Helicobacter рудіонія Immune-System-Recruiting Phosphine Warheads

DANIEL ALAN POLASKY Elucidation of a Putative Enzyme-Catalyzed Methylation Reaction

Jonathan Michael Ryss

## ECONOMICS

#### **High Honors**

ZHENGHAO CUI Food for Thought: Do Countries Benefit om Adopting Genetically Modified Crops? A Welfare Analysis Using GTAP

CURTIS STEWART MORRILL Wind Power in Maine: Quantifying Economic and Environmental Trade-o s

#### Honors

MATTHEW JAMES BEZREH Working Financial Capitalists into the Marxian Class Framework: An Empirical Analysis of a Financial Squeeze of Profits

MATTHEW SIMON COWIN Is There an Economic Reason for Billionaires to Buy Sports Franchises?

#### ENGLISH

#### Honors

Lucia Morgan Cowles ADA/M

SAMUEL HOLLINGSWORTH HANSON The Gi : A Collection of Short Stories

### ENVIRONMENTAL STUDIES

#### Honors

ANDREW HOLLIS CUSHING "A degeneracy of the old New England stock": Northern New England's Poor Farms in the Nineteenth and Twentieth Centuries

ANNE IRENE SNEED

## HISTORY

#### Honors

ANNABEL CLAIR BOEKE "Hombres de bien, de honor y de conciencia": Medical Authority in the Buenos Aires Anti-tuberculosis Campaign, 1900–1930

AMY ELIZABETH COLLIER A "Gi to the People of the United States": The Role of Tourism and Philanthropy in the Establishment of Acadia National Park

HANNAH BUTLER DEBLOIS "And Satan Came Also Among Them": The Changing Role of Spirit Possession in Medieval Christianity

ANDREW ONGKEKO DEL CALVO Biographical Representations of Fidel Castro

KIRIN CYNTHIA JESSEL The Other Immigrants: Paraguayan and Bolivian Immigration to Argentina during the Dirty War and the Return to Democracy (1976–1989)

SEAN PATRICK MCELROY The Art of Appropriation: George Orwell and Conservatism in Cold War America

ANNA TITHERINGTON NUTTER A Di erent Kind of Scarlet Letter: New England Slavery through the Lens of Sexual Politics

MOLLY REBECCA PALLMAN Presidential Reach in a Nuclear Age: A Re-Assessment of Cold War Policy Formation

LAWTON PHILLIPS SALLEY Walter Rodney and the Development of the Postcolonial Anti-Imperial Struggle

DAVID EDWARD SHUCK A erimages of an Incomprehensible World: Understanding Seventeenth-Century Experimental Science through Medieval Optics

VALERIE ANNE WIRTSCHAFTER "Get 'em Saved, Get 'em Baptized, Get 'em Registered": The Cold War Origins of the Religious Right

### LATIN AMERICAN STUDIES

### Honors

KRISTOPHER ANTHONY KLEIN Ugly Bettyd Four Latina Narratives of Identity

## MATHEMATICS

#### Honors

Arseniy Sheydvasser Functional Analysis and Quantum Theory

## NEUROSCIENCE

#### Honors

BENJAMIN ASHER BERG Regulation of a Truncated Goldfish Vasotocin Receptor A er Exposure to Pre-Ovulatory Females

JILLIAN MOLLI BERKMAN The Neuromodulatory E ects of SGRNFLRFamide on the Cardiac Ganglion of the Lobster, **Homarus americanus** 

ERIN NICOLE D•AGOSTINO Activation of Vasotocin-related Neural Circuitry by Androstenedione in Male Goldfish, **Carassius auratus** 

DIJOIA B. DARDEN Localizing the Estrogen Receptor that Mediates the Rapid Estradiol E ect on the Visually Guided Sexual Approach Behavior in Male Goldfish, **Carassius auratus** 

Katherine Sarvis McNeil Truncated Vasotocin Receptor Expression in Carassius auratus

ADAM LOUIS MORTIMER Localization of Homam CLDH and Its E ects on the Cardiac Central Pattern Generator in Homarus americanus

RACHEL ELIZABETH BEARD SCHWEMBERGER The Rapid E ects of Water-Soluble -estradiol on Retinal Responses to Light Stimuli in Male **Carassius auratus** 

ANIRUDH SREEKRISHNAN Characterization of the E ects of Pyrokinin Peptides on the Cardiac Ganglion of **Homarus americanus** 

ABISHAG SURESH The Identification of the Pyrokinin-Family Neuropeptides in Homarus americanus Immunohistochemically Guided Approach

ALEXANDER HENRY WILLIAMS Capturing the Spontaneous Dynamics of the Crustacean Cardiac Ganglion in a Population of Conductance-Based Model Networks

## PHILOSOPHY

### High Honors

Јони McBride Bunke Words and Objects: Carnap and Quine on Metaontology

## PHYSICS

#### **High Honors**

#### MICHELLE BURNS

Design, Construction, and Calibration of a System to Precisely Measure Mechanical Properties of Mutable Collagenous Tissue and Exploring Models of Viscoelastic Materials

#### Honors

NOAH ALEXANDER KENT Experimentally Observing the Onset of the Fractional Quantum Hall E ect

## PSYCHOLOGY

#### Honors

KATHLEEN MAY GORDON The Terms of Negotiation: The Influence of Language on Negotiation and Persuasion

DOUGLAS NEWTON JOHNSTON Two Potential Cognitive Correlates of Creativity: Latent Inhibition and Conceptual Complexity

ANTONIO MONTEZ WATSON Slim Pickings: Internalized Homonegativity, Social Possibilities, and Psychological Well-Being in Straight, Gay, and Bisexual College Students

## SOCIOLOGY

#### Honors

NADJA CAMILLE SHAW Beyond the Monolith: Problematizing the Unitary Black Student/White Campus Narrative at Bowdoin College

# STUDENT DESIGNED AESTHETICS OF PERFORMANCE

#### Honors

LILY BO SHAPIRO Lullaby the Production and Aesthetics of Performance

# STUDENT DESIGNED EDUCATIONAL PSYCHOLOGY

#### Honors

GEORGIA MARY-ANNE NOWERS The Right Answer: Understanding Mathematics in a Fi h Grade Classroom

## APPOINTMENTS, PRIZES, AND AWARDS

## COMMENCEMENT AWARDS

Goodwin Commencement Prize WILLIAM MARVIN ALEXANDER III •12

Class of 1868 Prize CHANWOONG BAEK •12

DeAlva Stanwood Alexander Prize First Prize Anu Kumar •12 Second Prize Na Helena A

## Classics

#### Hannibal Hamlin Emery Latin Prize Allen Fauntleroy Garner •12

Nathan Goold Prize Stephen Andrew Doherty Shennan •12

J. B. Sewall Greek Prize Caitlin Emma Hutchinson Maddox •14

J. B. Sewall Latin Prize JOSEPH LOUIS RUSSO •14

## **Computer Science**

Computer Science Senior-Year Prize Octavian Mihai Neamtu •12

Allen B. Tucker Computer Science Research Prize HARRY ADAM KALODNER •14

#### Earth and Oceanographic Science

Earth and Oceanographic Science Book Award Delger Erdenesanaa •15, Rachel Elspeth Haynes •15, Margaret Ruth Lindeman •15

#### Arthur M. Hussey II Prize in Earth and Oceanographic Science Amy Marie Anderson •12

#### **Economics**

Paul H. Douglas Prize

Joseph Stanley Durgin •13, Nathan Louis Meyers •13, Benjamin Drew Ziomek •13

A. Myrick Freeman Prize for Exceptional Performance in Economics Richard D. C. Nerland •12, Benjamin Heifetz Stein •12, Alisha Jannel Turak •12

Noyes Political Economy Prize Zhenghao Cui •12, Curtis Stewart Morrill •12

#### Education

Bowdoin Teacher Scholars Ixtla Renee Arceo-Witzl •12, Chanwoong Baek •12, W Philo Sherman Bennett Prize Tarara Faith Deane-Krantz •12

## History

Dr. Samuel and Rose A. Bernstein Prize for

Elbridge Sibley Prize Allison Leah Kuriloff •12

## Theater and Dance

Bowdoin Dance Group Award Andrea Everdawn Heaston •12

Award for Excellence in Dance Performance LILY BO SHAPIRO •12

Abraham Goldberg Prize JENNIFER YEE-HWAH PAN •12

Masque and Gown Student-Written One-Act Play Prize, Best Playwright David Edward Shuck •12

William H. Moody •56 Award

Hannah Lee Cyrus •12, Malachi McLaughlin Graham •12, Jade Diana Hopkins •12, Jennifer Yee-Hwah Pan •12

George H. Quinby Award Caroline Carmen Ferguson •15, Evan Andrew Horwitz •15

## FACULTY PRIZE

Sydney B. Karofsky Award for Junior Faculty MICHAEL P. DANAHY, LECTURER IN CHEMISTRY

### NATIONAL AWARDS

Austrian Government Teaching Assistantship in English Derek Cinader Brooks •12, Zachary Tate Crawford •12, Nicholas Scott Powell •12

Davis Projects for Peace Grant KRISTOPHER ANTHONY KLEIN •12

Deutscher Akademischer Austausch Dienst (DAAD) Graduate Study Scholarship ELLEN C. S. KIMBALL •11

Deutscher Akademischer Austausch Dienst (DAAD) InternXchange SAMUEL EHLERS FRIZELL •12

Deutscher Bundestag International Parliamentary Scholarship (IPS) BRYCE CAMERON LEDNAR •11

Fulbright English Teaching Assistant Grant Laura Hilliard Armstrong •12, Elijah Janka Garrard •12, Daniel W. Jeong •12

National Science Foundation Graduate Research Fellowship Alex Edward Carpenter •10, Sarah Palmer Luppino •10 Udall Scholarship (Honorable Mention) Shannon Rebecca Grimes •14, Sheela Phansalkar Turbek •13

U.S. Department of State Critical Language Scholarship SARAH HELENKA SIWAK •13

Thomas J. Watson Fellowship TEONA MERCEDES WILLIAMS •12

# UNDERGRADUATE STUDENT RESEARCH AWARDS\*

Beckman Scholarship Ketura Corinne Berry •13, Scott Alden Longwell •12, Alexander Henry Williams •12

Berkley-Tyre Environmental Fellowship Matthew Evan Gamache •13, Michele Bartlett Kaufman •13, Teresa Jean Withee •15

James Stacy Coles Summer Research Fellowship in Chemistry and Ba11 0 (G)Tj TD (E)Tj 7.7 0 0 7.7 60.4131.09r Freedman Summer Research Fellowship in Computer Science JESUS NAVARRO •13

Gibbons Summer Research Internship Alexandra Sichel Brown •13, John Butterworth III •14, Sether Borden Hanson •13, Richard Andres Hopkins •13, Min Sun Lee •14, Somya Artidiang Mawrie •14, Alexander Robert Pensavalle •14, Rachel Nicole Pollinger Nikuradse-Matthews Summer Public Interest Fellowship FAITH Michael Francis Micciche III Memorial Award Anirudh Sreekrishnan •12

#### **Bowdoin Orient Prize**

Eric Richard Binswanger •12, Garrett Thomas Casey •15, Samuel Ehlers Frizell •12, Brian Wood Jacobel •14, Samuel Jason Weyrauch •14, Katharine McGrath Witteman •15

President•s Award La•Shaye A. Ervin •12

Franklin Delano Roosevelt Cup AMAR J. PATEL •13

Student Employee of the Year CHELSEA ELIZABETH NOBLE •12

Paul Andrew Walker Prize Nicholas Joel Daniels •12, Zoe Eliza Darling Lescaze •12

### ATHLETIC AWARDS

Academic Achievement Award for Men Richard D. C. Nerland •12

Academic Achievement Award for Women Allen Fauntleroy Garner •12

Annie L. E. Dane Trophy for Outstanding Leadership Amy Katherine Hackett •12, Jillyan Margaret Henrikson •12

The Harvey Award for JV and Club Sports Leadership CAROLINE MACKENZIE CIOCCA •12

Outstanding First-Year Female Student Athlete ERIN JEANNETTE SILVA •15

Outstanding First-Year Male Student Athlete SAMUEL BREWSTER WHITE •15

Outstanding Male Athlete WILLIAM JOSEPH HANLEY •12

Lucy L. Shulman Award for Outstanding Female Athlete ELEANOR CLAIRE CURREN •12, ELSA LINNEA MILLETT •12

Wil Smith Community Service Award ELLERY ELIZABETH GOULD •12

Society of Bowdoin Women Award GINA LYNN LONATI •12

Frederick G. P. Thorne •57 Award for Outstanding Leadership IAN MICHAEL EDWARDS •12

Sidney J. Watson Award Kathryn Stearns Herter •12

#### Baseball

Francis S. Dane Baseball Trophy TIMOTHY JOHN WELCH •12

#### Basketball

William J. Fraser Basketball Trophy THOMAS WADE CARTER •12, WYATT ALEXANDER LITTLES •12

Paul Nixon Basketball Trophy WILLIAM JOSEPH HANLEY •12

Women•s Basketball Alumnae Award JILLYAN MARGARET HENRIKSON •12

Women•s Basketball Best Defense Award AMY KATHERINE HACKETT •12

Women•s Basketball Bowdoin Pride Award ALEXA LANG BARRY •12

Women•s Basketball Most Improved Award ALESSEANDERARENEE PISCINA •14

#### Football

•Boiled OwlŽ Football Award Thomas Patrick Noone III •12

Winslow Robinson Howland Football Trophy Daniel Stuart Evans •12, Peter Maurice Troubh •12

Wallace C. Philoon Football Trophy JAMES EDWARD HONAN III •13

William J. Reardon Memorial Football Trophy THOMAS PATRICK NOONE III •12, IAN JONATHAN VIEIRA •12

Philip H. Soule Award Tj 11 O O 11 15O.838 Tm(Phil ip H. Soul e Award)Tj 11 •12 Women•s Ice Hockey Founder•s Award Kayte Lynn Holtz •13

#### Lacrosse

Mortimer F. LaPointe Men•s Lacrosse Award Matthew Shea Egan •12

Ellen Tiemer Women•s Lacrosse Trophy ELIZABETH MCEACHERN CLEGG •12

Paul Tiemer Men•s Lacrosse Trophy Christopher Douglas Anderson •12

Paul Tiemer Jr. Men•s Lacrosse Trophy Nathan Gregory Foote Fritts •12, Lawton Phillips Salley •12

### Nordic Skiing

Polar Bear Award for Best Female Skier Kaitlynn Barbara Miller •14

Polar Bear Award for Best Male Skier SPENCER ALLEN EUSDEN •12

## Rugby (Women•s)

Charlie Hews Spirit Award Uchechi Nkeiruka Esonu •13

Barry Honan Spirit Award Kerry Sophia Kennedy Townsend •13

Most Improved Player Back: Anita Louise Shah •14; Forward: Althea Rose Cavanaugh •13

Most Valuable Player Back: Kathleen Grace Mathews •12; Forward: Danielle Rae McAvoy •13

Outstanding First-Year Player BACK: R

# GRADUATE SCHOLARSHIPS AND FELLOWSHIPS\*

## ACADEMIC APPAREL

The formal academic attire that distinguishes faculty and graduates at academic ceremonies is a symbol at once vertical and horizontal. It stretches back into history, to the roots of academic institutions, while at the same time it forms a bond of union among contemporary academic scholars.

The gown, cap, and hood, which would certainly seem quaint today if worn on our city streets, were originally the ordinary apparel of our medieval ancestors. The gowns varied in elegance according to the rank and wealth of the owners, and the hood had the practical function of being pulled over the head for warmth. Many of the medieval universities had strict rules on the subject; at Oxford, for example, the master of arts had to swear that he owned the dress prescribed for his degree and that he would wear it on all proper occasions. Undergraduates were required to wear their gowns whenever they appeared in the public street. A er the sixteenth century in Europe di erent styles prevailed, but the older style was retained for certain legal, o cial, clerical, and, especially, academic uses.

In America the gown has been used to some extent since colonial times. It was only in the late nineteenth century, however, that widespread interest—sparked perhaps by the observance in 1886 of the 250th anniversary of the founding of Harvard—brought about several developments. In 1887 an enterprising member of the graduating class of Williams College designed academic gowns for the graduates to wear at the Commencement ceremony. The garb was significant and dignified; it was both traditional and democratic; it answered a need, and it quickly became popular. In 1895 an intercollegiate code, standardizing the design and the color of each part of the academic regalia, was accepted by nearly all American colleges and universities.

The gown is usually black, and the cut of the sleeves di ers for bachelors, masters, and doctors. In addition, the doctor's gown has panels of velvet (usually black) down the ont and on the sleeves.

The cap is generally black, with a tassel, which is either black or the color of the field of study; a doctor's may be gold. The most common style of cap is the Oxford "mortar board," with a square flat top, but some variations are permitted.

The hood is the most distinctive part of the costume. It is made of black and trimmed with velvet. Both the length of the hood and the width of the trim vary with the level of the degree, the doctor's being the longest and having the widest velvet border. The color of the velvet indicates the field of study in which the degree is earned: for example, white for arts and letters (bachelor of arts), dark blue for philosophy, brown for fine arts, golden yellow for science, scarlet for theology. The lining of the hood is the color and style of the university that confers the degree; these are all specified in the standard code of the American Council on Education. Bowdoin College's lining is white and green to symbolize the Bowdoin pines.

Whatever the degree or university, those who don the gown and hood symbolically take their places in the long procession of scholars who have pursued truth and learning and passed it on to others. The consciousness of that fellowship is at once a reward for past e orts and an inspiration for the future.

## HOOD BORDER COLORS INDICATING FIELDS OF LEARNING

Agriculture		
Commerce, Accountancy,		
BusinessDrab		
Dentistry Lilac		
Economics Copper		
Education Light Blue		
EngineeringOrange		

Fine Arts, including
Architecture Brown
Forestry Russet
Journalism Crimson
Law Purple
Library Science Lemon
MedicineGreen
MusicPink
Oratory (Speech) Silver Gray

Philosophy	Dark Blue		
Physical Education	. Sage Green		
Public Administration, including			
Foreign Service	Peacock Blue		
Public Health	Salmon Pink		
Science	Golden Yellow		
Social Work	Citron		
Theology	Scarlet		
Veterinary Science	Gray		

## RAISE SONGS TO BOWDOIN

Words by K. C. M. Sills, Class of 1901 New Lyrics by Anthony Antolini •63 Music by C. T. Burnett Arranged by Thornton W. Allen

Raise songs to Bowdoin, praise her fame, And sound abroad her glorious name; To Bowdoin, Bowdoin li your song, And may the music echo long O'er whispering pines and campus fair With sturdy might filling the air. Bowdoin, om birth, our nurturer and iend To thee we pledge our love again, again.

While now amid thy halls we stay And breathe thy spirit day by day, Oh may we thus full worthy be To march in that proud company Of poets, leaders and each one Who brings thee fame by deeds well done. Bowdoin, om birth, our nurturer and iend To thee we pledge our love again, again.