



**UNIVERSITY OF
COLORADO
at COLORADO SPRINGS**

Commencement

**May Twenty-Sixth
Nineteen Hundred and Eighty-Seven**

**THE REGENTS
OF THE
UNIVERSITY OF COLORADO**

Chairman
Dr. Charles M. Abernathy, Jr.
Montrose

Mr. Richard J. Bernick
Denver

Mr. Robert E. Caldwell
Colorado Springs

Mr. Peter C. Dietze
Boulder

Mr. Lynn J. Ellins
Longmont

Mr. Hugh C. Fowler
Denver

Mr. Sandy F. Kraemer
Colorado Springs

Mr. Norwood L. Robb
Littleton

Dr. Roy H. Shore
Greeley

PROJECTIONS

To the Class of 1987:

On behalf of the University of Colorado, I am pleased to extend congratulations upon your achievement. Your graduation is a special milestone in your life, and in the life of the University.

It is customary on these occasions to speak of the opportunities in your future. At this commencement, however, I prefer to dwell, however briefly, upon the University's educational task and the problems you will face in the coming decades.

The University is committed to missions in education, research, and public service. Of these, education is generally most visible through classroom teaching. Much more is involved in the pedagogical process, however. During the past several years, the University has endeavored to equip you with the knowledge and skills required to lead intelligent, productive lives in the coming decades. That is a basic component in our mission, but it is only the beginning. It is more important that you also have a sense of those societal and ethical values which have guided humankind in its noblest hours. Courage in the face of adversity, perseverance in times of difficulty, creativity under limits of constraint these are some of the traits you must learn in confronting the problems and challenges of the future. They are functions of personality and experience, and cannot be taught in a classroom. You can, on the other hand, bring to these challenges the knowledge of human experience, and inherent in that experience is the accumulated wisdom of civilization. This is, and should be, your most influential source of learning. Once filtered through your own experience, consideration, and values, this knowledge may guide you in directing the future.

It is your obligation, of course, to consider all appropriate factors in any decision. I urge you to temper knowledge with compassion, to balance immediate gain with farseeing wisdom, and to promote at all times the common good, not self-interest. These are your true obligations to your society, your fellow-citizens, and the future.

The University of Colorado has, I trust, imparted to you an important quantity of knowledge and an appreciation of certain societal and ethical values. It is now your obligation to extend and develop your knowledge and values, and to direct these toward the common good, toward creating a better future. You will face unprecedented challenges requiring heroic efforts. Society's hopes rest with you.



E. Gordon Gee
President

ORDER OF EXERCISES

Dr. Robert E. Camley, Commencement Marshal
(1986 UCCS Outstanding Teacher)

Processional (audience will please remain seated)

Posting of the Colors

Invocation

America the Beautiful¹

Welcome

Address

Conferring of Honorary Degree
Joanne Greenberg

Distinguished Service Award
Roger A. Sanborn

Distinguished Service Award
Judge Albert J. Tomsic

Legislative Award
Jeffrey M. Wells

Regent Emeritus Award
David K. Sunderland

Conferring of Baccalaureate Degrees
Recognition of Outstanding Graduates

College of Letters, Arts and Sciences
Natural Sciences
Social Sciences
Humanities

College of Business and Administration

College of Engineering and Applied Science

Conferring of Advanced Degrees

Initiation of Graduates into Alumni and
Friends Association

Charge to Graduates

Alma Mater²

Recessional (audience will please remain seated)

¹O beautiful for spacious skies,
For amber waves of grain,
For purple mountain majesties
Above the fruited plain!
America! America!
God shed His grace on thee
And crown thy good with brotherhood
From sea to shining sea!

UCCS ROTC Color Guard

Dr. Joan Fairchild

Dr. Paul Ballantyne

Chancellor Dwayne C. Nuzum

President E. Gordon Gee

Doctor of Humane Letters,
honoris causa

Mary Arreola
Sara Pollock
Eva Pokorny

Susan Jean Moore

Mark C. Woods

James P. Easton

Interim Vice Chancellor Joan E. Klingel

Dr. Paul Ballantyne

²Hail, all Hail our Alma Mater!
Ever will our hearts be true
You will live with us forever
Loyal we will be to you.
We will sing forever your praises,
Ever more our love renew,
Pledge our whole devotion to you,
Dear Old C.U.!

CANDIDATES FOR DEGREES
COLLEGE OF LETTERS, ARTS AND SCIENCES

James A. Null, Dean

THE DEGREES BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Vernon D. Ackerman, Biology
Janie O. Acord, Distributed Studies*
Cum Laude
Patti K. Allen, Anthropology/Biology
Charlotte D. Alvarenga, Physics and Energy Sciences (B.S.)**
Cherry M. Ambrose, Psychology
Susan M. Amelio-Doyle, Spanish/Anthropology**
with high distinction in Spanish
Dennis R. Anderson, Psychology*
Julia C. Anderson, Sociology**
Lester F. Anderson, Biology
William D. Antle, Psychology
Mary L. Arreola, Biology
Magna Cum Laude
Kelly A. Atler, English**
Magna Cum Laude
Sheila M. Bach, Psychology
Ronald R. Baptist, Psychology
Rhonda J. Bauerlein, Psychology**
Barry W. Beard, Psychology
Harriet A. Beasley, Psychology*
Cynthia L. Bee, English
Jean S. Bell, Fine Arts
Patricia A.B. Bell, Political Science
Cum Laude
James R. Bennett, Mathematics
Manfred A. Bereuter, History
Jill L. Bervinkle, Sociology
Kristine M. Bixler, History
Linda C. Blessing, Psychology
Christian Bloch, Geography and Environmental Studies*
Carolyn S. Boggs, Economics
Cum Laude, with highest distinction in Economics.
Mark A. Bosko, Geography and Environmental Studies**
Bridget M. Boyd, Psychology
Barbara S. Bradley, Sociology**
Leroy D. Bratz, Economics**
Cum Laude with distinction in Economics
Suzanne M. Brohman, Psychology
William J. Brown, Anthropology
Kimberly K. Brue, Sociology**
Debra J. Buckman, History**
Sarimara C. Burgos, Fine Arts
Jeffrey S. Canaday, Communication**
Bret L. Carter, English**
Laura Christensen, Biology**
Kimberly A. Clark, Communication*
Alisa S. Cohen-Van Den Bovenamp, Psychology
Cum Laude
Jeffrey B. Cole, Political Science
Cum Laude
David E. Collins, History
Jeffrey R. Conrad, Communication**
Laura A. Corr, Fine Arts*
with distinction in Fine Arts
Theodora G. Cox, Psychology
Cheryl W. Crist-Berry, Communication**
Rufus Crosley III, Political Science
Laura L. Crumley, Economics
Laura Cummings, Mathematics
Robin Cunningham, Fine Arts
Heather Curtiss, Fine Arts**
Janet C. Daugherty, English**
with distinction in English
Warren L. Davidson, Jr., Psychology**
Cynthia S. Davis, Psychology
John R. Decker, English
Paul T. Dellacroce, History
Jeanine R. Devlin, Anthropology**

Anthony E. DiCenso, Distributed Studies
Laurie A. Dickenson-Butcher, Biology
Kimberly I. Disnute, Biologyj
Jan C. Drewry, Mathematics*
Lance P. DuMond, Psychology**
Karen M. Eells, Psychology
Gennefer S. Eldredge, Chemistry
Martin R. Emmons, Communication**
Wallace H. Erickson, Distributed Studies*
Cum Laude
Michael D. Esch, Fine Arts
Magna Cum Laude
Ken P. Evans, Physics and Energy Science (B.S.)
C. Leigh Falkner, Psychology
Margo A. Farra, Psychology**
Ronald M. Fitz, Distributed Studies
Gary L. Fleming, Mathematics
Robert F. Foster, History
Cliffon J. Fredericks, Distributed Studies
John W. Fresh, Communication
Marie E. Freymuth, Spanish
with highest distinction in Spanish
Stacy M. Frost, Psychology/Sociology**
Deborah L. Gannon, Chemistry**
Mark A. Geiger, Mathematics
Magna Cum Laude with high distinction
Liza A. Glommen, Psychology/Sociology
Lisa M. Goodman, Biology
Joyce E. Green, Psychology
Karen D. Gulya, Mathematics**
Christopher P. Hamm, Political Science
Kathleen K. Hare, Anthropology/Geography and Environmental Studies**
Magna Cum Laude
Barbara J. Harris, Geography and Environmental Studies
Cum Laude
Denise C. Hartbauer, Psychology
Christina C. Hathaway, Economics
with highest distinction in Economics
Linda S. Heath, Fine Arts/Sociology
David S. Heberly, Distributed Studies
Michael T. Heedt, Mathematics
David M. Henning, History
Christian S. Hernandez, Chemistry
Gloria S. Hernandez, Sociology/Spanish
with highest distinction in Spanish
Jerry T. Hicks, Jr., History
Ellen F. Hodges, Psychology
Donald B. Hoffman, Psychology
Magna Cum Laude
Michael K. Houser, Psychology
Kelly S. Howard, Biology*
Jean Humes, Sociology
Marilyn D. James, History
Robert M. James, Communication
Andrea S. Johnson, Psychology
Cum Laude
Barbie L. Johnson, Mathematics
Elizabeth P. Jones, Sociology
James L. Joyner, Chemistry (B.S.)
Karol A. Kaltenbacher, Communication
Erin L. Kelly, Political Science
Pamela G. Killion, Communication**
Sandra K. King, Communication/Psychology
Magna Cum Laude
Shirley B. King, Mathematics
Gail M. Klepach, Economics**
Marianne Kozma-Tucker, Communication*
Paul A. Kuhnenn, Biology

Leland E. Lacy, III, Distributed Studies
Ernest N. Lagasca, Jr., Biology
Robert M. Lake, Sociology**
Jorie B. Lamb, English/Psychology
Michael D. Landess, Economics*
with distinction in Economics
Charyle Langle-Thompson, Psychology
Magna Cum Laude
Lisbeth Larsen, Sociology
Theresa C. Lebo, Communication
Robin M. Londry, Communication
Cum Laude
Sal C. Lucero, Distributed Studies
Gerald H. Martin, Communication
Magna Cum Laude
Mark W. Mathews, Economics
Mark A. Maydew, Psychology
Teresa A. McDermott, Biology
Summa Cum Laude
Thomas J. McGee, Communication
Dennis L. McKinney, Communication/Sociology
Sue A. W. McMaster, Sociology*
James L. McMullen, Distributed Studies
Dianne W. McRae, History
Michelle M. Merwin, Psychology
Leslie M. Militello, Fine Arts*
Kari-lynn W. Miller, Psychology
Lisa A. Mindykowski, English**
Clara J. Mohan, English
Magna Cum Laude
Stephen S. Montoya, Psychology*
Kevin L. Moore, Psychology**
Daniel M. Morton, Economics
Sheryl L. Mueller, Communication*
Lawrence Myers, Sociology**
Paul G. Nagy III, Psychology
Cum Laude
Casey B. O'Neil, Distributed Studies**
Cathleen L. O'Neill, Political Science
Cum Laude
Helen A. Ogden, Anthropology
David Ortiz, Jr., History
John W. Owens, Jr., Communication**
Patricia L. Painter, Philosophy**
with highest distinction in Philosophy
James R. Park, Communication**
Richard W. Parker, Psychology
Orly S. Penny, Psychology
Cum Laude
Tony L. Peterson, Chemistry (B.S.)
Michael E. Petit, English
Nicole A. Phillips, Spanish
Magna Cum Laude with highest distinction in Spanish
Phillip M. Pike, Biology*
Eva Pokorny, Fine Arts
Summa Cum Laude
Sara R. Pollock, Psychology**
Summa Cum Laude
Bret E. Poole, History
Ralph E. Popham, English**
Vonceil D. Porter, English**
Michael A. Pound, Economics*
Daniel M. Prater, Physics and Energy Sciences (B.S.)*
Nona M. Pryor, Sociology**
Linda W. Pyfrom, Mathematics*
Shirley T. Quigley, History*
Jana L. Ramsey-Cross, Sociology*
Polly S. Roberts, Communication

Valeda K. Rohrbaugh, History**
Pamela J. Roop, Distributed Studies
Cheryl S. Royston, Communication**
Phillip R. Ruminski, Communication
Lisa C. Rusiewicz, Communication
Bonita G. Rummage, Sociology
Paul W. Safford, Biology/Philosophy
Christine S. Schehr, Psychology/Sociology**
Lisa J. Schore, Psychology
Cum Laude
Robert M. Schroetke, II, Biology
Magna Cum Laude
Allyn J. Sedgwick, Sociology**
Kathleen G. Seifert, History
John W. Shea, Chemistry (B.S.)*
Eric D. Sieben, Communication**
Jeff A. Sievers, Mathematics
Cum Laude
Lisa M. Skrzynecki, Chemistry (B.S.)
Karen A. Smalley, Psychology/Sociology
Magna Cum Laude with highest distinction in Sociology
Rebecca L.H. Smoldt, Anthropology/History
Jefferson Spencer, History**
Susan M. Spencer, History
Daniel K. Starch, Psychology
Dianne Sterling, Communication/English**
Roberta L. Sticka, Psychology
Lindy G. Stone, Jr., Communication
Elizabeth N. Strandberg, Anthropology**
Eileen M. Taylor, Distributed Studies**
Alice J. Thomas, Communication/Geography and Environmental Studies
Magna Cum Laude
Leslie A. Throckmorton, Sociology**
Barbara G. Thompson, Distributed Studies**
Martha A. B. Tirk, Distributed Studies
Lisa A. Titus, Communication
Joann Totoro, Psychology
Steven D. Traynor, Physics and Energy Sciences (B.S.)*
Kenneth W. Tucker, Communication*
David S. Turnbull, Geography and Environmental Studies
Magna Cum Laude
Debra A. Uhrich, English
Magna Cum Laude
Beth A. Vanderpool, Biology*
Richard L. Van Dyke, Geography and Environmental Studies
Cum Laude
Erica M. Vann, Economics
Rema M. Vescosi, Communication**
Valerie J. Vranish, Fine Arts**
Paula L. Wagner, Economics**
Theresa A. Ward, English
Catherine L. Warnock, Political Science
Colleen K. Webb, Psychology*
Jean L. Wegner, Biology
Judith L. Wendell, Distributed Studies
Michael P. Wesley, Communication
David L. Westerman, Distributed Studies**
Kelly J. White, Communication
Stephen J. White, Communication**
Alan T. Whitney, Distributed Studies
Catherine E. Wilson, Communication
Deborah F. Woldruff, Geography and Environmental Studies**
Stephen J. Yellstrom, Chemistry**
Emily L.K. Young, Sociology**
Mark V. Zabolotny, Communication
Kathleen Ziegler, Economics
Robin Zook, Biology
Magna Cum Laude

COLLEGE OF BUSINESS AND ADMINISTRATION

Dean Edward A. Johnson; Resident Dean James T. Rothe

THE DEGREE BACHELOR OF SCIENCE (BUSINESS)

James H. Agee**
James L. Allen
Alison Angus**
Michael A. Ballou
David Barela, Jr.
Susan E. Basse
Penny R. Beardslee
Theresa A. Bender**
Theresa R. Berriman
Elizabeth A. Bonczek**
Jeffrey R. Brent
Daniel M. Brewster**
Luanne Buchnowski
Tracey A. Carroll
Caroline Chavez**
Diane V. Collier**
Michael J. Coltharp
Daniel L. Cooper
Michael D. Crandell**
Virginia C. Cullen**
Annette M. Darling**
Cyriel J. DePestel**
Judine E. Duncanson**
Richard V. Dutton
Raymond N. Eatman
Scott J. Eicher*
Robert L. Elliott
Cum Laude
Patricia J. Evans**
Karen L. Ezzell**

David J. Faulkner**
Gina E. Flatt
Cynthia L. Francis
Julie A. Friedell
Charles L. Gardner**
Craig W. Gordon
Pamela J. Gorrell
Cum Laude
Glenard E. Goschen**
Magna Cum Laude
Julie A. Grandpre
Benjamin B. Greenlee
Edward M. Gregory
Jean L. Hadad
Thomas J. Hanken
Bradford W. Hardman
Lori L. Hatchell
Thomas E. Hemmings**
Marla J. Hinners
Kenneth W. Hoffacker**
Anna E. Hotson**
Cum Laude
Finnies C. Houtz
David L. Janitell
Kelly Y. Jenkins
Timothy F. Kaup
John C. Keller, III**
Steven R. Kelly
Magna Cum Laude

Marcia G. Kilcrease
Magna Cum Laude
Michelle M. Korn
Barbara J. Langton
Gary W. Leak
Marlene L. Lechner
Debra E. Ledford
Carmella L. Leineweber**
James D. Long
Keith W. Longwell
Robert M. Mackell**
Carol A. Malone
Sean G. Marting
Diana C. May
Michelle A. McDonald
Robert E. McMaster
Kenneth D. Meisinger
Magna Cum Laude
Scott A. Mills
Virginia A. Moffitt**
Jeffrey W. Molden**
Susan L. Mone
Susan J. Moore**
Magna Cum Laude
Carl A. Nelson**
Amy M. Nold**
Susan M. Nusbaum
Roxanne J. O'Bryant**
Magna Cum Laude
Beverly R. O'Connell**

Terri J. Olsen**
Cum Laude
Steven J. O'Rourke
Donna M. Olalde
Carol H. Palmen**
Karin A. Parrott
Mary K. Patchen**
Rebecca Pena*
Cathryn J. Perry
Sharon L. Perry**
Kenneth L. Pesavento
Cum Laude
Virginia A. Phipps
Nadine M. Pierce
Scott M. Poague**
Scott D. Popovich
Laura L. Provenzano
Cynthia G. Raine
Mark A. Richwine**
Errol F. Ricketts
Cum Laude
Shirley A. Rogosich
Magna Cum Laude
John M. Rondeau
Eric J. Ruggles
Joanne C. Sanders
David A. Sarton
Cheryl L. Schauer
William N. Schill
Wendy L. Schuhrke
Linda L. Schwartz

Michelle R. Sebben
Charles C. Shivvers**
Magna Cum Laude
Randal L. Simpson
Monique D. Smith*
Armelia L. Snyder**
Timothy G. Staab
Karen S. Standiford
Elizabeth J. Sterk
Justin J. Strange**
Tammy D. Symanski
Ruth M. Tate
James R. Themel**
Carol S. Thomas
Lisa A. Thunberg*
Michael A. Tremaroli**
Mary C. Treska*
Evelyn G. Trimarchi*
Mark R. Ulrich
Robert W. VanCura
Merl A. Wallace
Robert E. Warren, Jr.**
Penny K. Wart*
Peter Chao-En Wei**
James D. Wells**
Lisette R. Westberg**
Mary E. Wilson
Leslie S. Wood
Sally R. Wood
Cum Laude
Joyce E. Yates**

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

Acting Dean John D. Norgard

THE DEGREE BACHELOR OF SCIENCE

Steven W. Abele, Electrical Engineering*
Cheryl L. Abendschan, Electrical Engineering*
Michael H. Alonso, Computer Science**
Liseann H. Andersen, Electrical Engineering*
Richard Aschert, Electrical Engineering*
with honors
Alex M. Beecher, Computer Science**
Robert S. Berg, Computer Science
Jeanne M. Blackman, Computer Science
Polly A. Blount, Computer Science
Patrick F. Brohman, Computer Science
Pamalee J. Brown, Applied Mathematics
Kimberly K. Bunck, Computer Science**
Michael D. Carpenter, Computer Science
with special honors
Stuart J. Clough, Computer Science
with special honors
Michael D. Cochran, Electrical Engineering
Rodrick D. Copeland, Electrical Engineering**
Steven L. Cox, Electrical Engineering**
Lynda S. Douglas, Electrical Engineering
David M. Easterling, Electrical Engineering
Ronald S. Edsall, Electrical Engineering**
Mark C. Evensen, Computer Science
Jill E. Faaborg, Applied Mathematics**
David J. Faulkner, Electrical Engineering**
Ronald W. Gallegos, Electrical Engineering*
Andrew K. Gallogly, Electrical Engineering
Douglas W. Garvie, Electrical Engineering**
Lisa A. Gertcher, Computer Science

Gregory J. Gilman, Electrical Engineering**
David W. Hagerty, Computer Science**
Dale L. Hjermstad, Computer Science
Robert J. Holstine, Computer Science
William D. Hoozeboom, Computer Science**
Mark R. Hutchinson, Electrical Engineering
David M. Jones, Electrical Engineering**
Randy E. Kath, Electrical Engineering
Michael D. Krenzin, Computer Science
Mark C. LaMourey, Electrical Engineering
Michael K. Lechner, Applied Mathematics
Ronald A. Lee, Computer Science
Mark F. Lewis, Electrical Engineering**
Gregory J. Mann, Electrical Engineering
Timothy P. Maxwell, Computer Science
Paul D. McCallon, Computer Science
Gordon P. McManus, Electrical Engineering
Timothy T. Miller, Computer Science**
Robert L. Monroe, Electrical Engineering
Kirk M. Moore, Computer Science**
Timothy T.D. Nguyen, Electrical Engineering
Thong V. Nguyen, Electrical Engineering
David L. Nixon, Computer Science*
Jonathon D. Nordby, Computer Science
Gary V. Nordyke, Electrical Engineering
Gary M. Owens, Electrical Engineering
Harry F. Padubrin, Electrical Engineering
Connie J. Parrish, Applied Mathematics
Cynthia A. Pasley, Computer Science**
Robert A. Pettis, Electrical Engineering

Sondra S. Pierce, Electrical Engineering**
Stephen R. Porter, Electrical Engineering
Scott T. Pottorff, Electrical Engineering
Timothy T. Raskob, Computer Science**
Daniel L. Reed, Electrical Engineering
with special honors
Leonard G. Renoux, Computer Science
Tony Romano, Computer Science
Stephen M. Rusinko, Jr., Electrical Engineering
Cheryl L. Russell, Computer Science**
Paul T. Sawyer, Electrical Engineering**
Curtis J. Schaap, Electrical Engineering
Mindy J. Schulke, Applied Mathematics
with honors
Richard J. Shick, Electrical Engineering*
Edward H.T. Smith, Electrical Engineering
Richard K. Stratton, Computer Science
Kimberly A. Tannehill, Electrical Engineering
Gregory A. Tarca, Computer Science**
Keith R. Venes, Electrical Engineering**
Chuong V. Vu, Electrical Engineering
Curtis J. Walsler, Computer Science
Kirk R. Wiess, Electrical Engineering**
Ronald J. Wilkinson, Computer Science
Mark C. Woods, Electrical Engineering
with special honors
Randolph W. Yergert, Electrical Engineering**
Bert P. Young, Computer Science**
Gary A. Zallar, Computer Science

GRADUATE SCHOOL

Hunter R. Rawlings, Dean; Joan M. Fairchild, Resident Dean

THE DEGREE MASTER OF ARTS

Debra A. Ackley, Education**
Karen J. Alpern, Education
Katheryn L. Anderson, Education*
Frances H. Armstrong, Education
Pamela J. Armstrong, Education
Debbie L. Arseneau, Education
Jim H. Ayers, Education**
Barbara S. Badgett, Education*
Priscilla A. Barsotti, Education
Jane Z. Berry, Education
Kathleen C. Bloom, Education
Linda J. Boles, Education**
Paige D. Borofsky, Education*
Pamela A. Bowen, Education**
Vivian D. Bowen, Education
Catherine A. Bradshaw, Education*
Michael O. Branson, Education
Susan V. Brock, Education*
Harriet J. Broeckelman, Education*
Michael R. Burns, Education**
Helen L. Callaway, Education
Fred L. Carter, Education*
Jane A. Casper-Briggs, Education**
Rilla L. Cheesman, Education
Jerilynn J. Ciletti, Education
Charles W. Clark, Education*
Katherine A. Cook, Education
Alvin J. Corbin, Education
Cynthia B. Costanza, Education
Mary M. Coupens, Education*
Christopher A. Cowles, Psychology**
Melody L. Daigle, Psychology**
Verna J. DeBoer, Education
Andrew E. Dickens, Education
Patricia A. Domier, Education
Charlotte H. Donat, Education
Janice D. Driscoll, Education
Maryruth Eaves-Herrera, Psychology
Lisa B. Elkin, Education
Xavier J. Figueredo, Education
Lydia J. Fransk, Education**
Charlotte R. Gagne, Education**
Victoriano I. Galvan, Education**
Valerie E. Garcia, Education*
Leonard L. Gauthier, Jr., Education
James B. Giffin, Education*
Anita S. Grana, Psychology**
Amy M. Gustafson, Education**
John C. Guthrie, Education
Julia M. Harmon, Education**
Sandra K. Harrison, Education*
Mary A. Henry, Education
Jacqueline M. Hergenreter, Education
Sandra M. Hill, Education*
Sheryl T. Hobbs, Education
Mary T. Jay, Education**
Kathy N. W. Jefferson, Education
Leanne H. Johnson, Education*
Gail M. Kinsey, Education**
Gretchen A. Kirstel, Education*
Connie W. Klein, Education

Beverly A. Kuehl, Education**
Judith A. Lang, Education
Claudia M. Lange, Education**
Donald LeVack, Psychology**
Barbara G. Litzelman, Education
Margarita Lopez, Education
Omar C. Lown, Education**
Karen L. Lungu, Education**
Kelton F. Lustig, Education*
Kevin M. Martin, Education*
Michelle L. Mastrini-McAteer, Education**
Lisa A. Mathews, Education
Levi B. McAlexander, Education
Morreen J. McArdle, Education*
Cindy L. McBride, Education
Jane D. McCarthy, Education**
Margo J. McCoy, Education
Doris F. Mengel, Education*
Jan F. Noble, Education
Deborah A. Odell, Education**
Milton R. Ooley, Education
Miriam B. Owens, Education
Patricia Parkhill, Sociology*
Douglas A. Parro, Psychology
Kathye G.R. Pebley, Education*
Ronald W. Place, Education*
Elizabeth R. Porter, Education
David M. Powell, Education**
Ed Quesada, Education**
Anita L. Racht, Education
Scharlotte A. Rich, Education*
Mark R. Richardson, Education
Stan A. Richardson, Education
Gary S. Romjue, Education
Larry J. Russell, Education
Lorrie S. Russell, Education
Rhonda L. Rzepka, Education*
James E. Schneider, Education*
Janet L. Schuetz, Education*
Jane A. Scott, Sociology*
Aldo A. Sebben, Education*
Christina P. Shattuck, Education*
Ann C. Smith, Education*
Jane R. Sumner, Education
Barbara T. Swanson, Education
Carolyn E. Taylor, Education**
Sandra K. Thorpe, Education**
Joan H. Tieman, Education*
Marilyn J. Tiernan, Education*
Lauri E. Tiilikainen, Education
Susan Trainer, Education
Judy K. Veneris, Education**
Karen T. Wagner, History
Gene A. Warneke, Education*
LaVonne A. Weinbender, Education
Joyce A. White, Education**
Joyce L. White, Education
Terese A. Whittemore-Dills, Education*
Mary Wickwar, Education
Carolyn S. Wilfong, Education*
Margaret S. Williams, Education*
Susan G. Witter, Education**

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

Dean Edward A. Johnson; Resident Dean James T. Rothe

THE DEGREE MASTER OF BUSINESS ADMINISTRATION

Daniel S. Akerhielm**
Keith R. Bell**
Mary A. Bena
Dale W. Birch
Leah D. Blagg**
Alan R. Bratschun**
Kenneth A. Chance**
Russell A. Crossen
John L. Curry**
Fernando A. DaCruz
Regina S. Deich*
Paula I. Desrosiers**
Gregory D. Easton

Gary H. Eschenberg
Kitty L. Fowler
Darleen G. Gray
Bruce D. Grimes**
Sharon L. Grimshaw-DaCruz
Carol R. Gruen**
Paul R. Hansen
Dale D. Harward**
David W. Haughton
Donna L. Hawk
Mark J. Hawkins*
Larry C. Henderson
Kenneth R. Hertz**

David I. Hollenbaugh
Judith G. Jager
Lauren J. Jervik**
Robert F. Jones**
Thor L. Kaumeyer
Mary K. Kimminau**
David S. Lane*
Robert J. Lane
Rebecca A. Levin
Lewis J. Lomas, III
Lynis E. McBride
Carol A. McColl
Becky L. Medved

Susan M. Moore*
Tamera A.L. Mowrey
Harry E. Owens
Gregory J. Powers**
Robert W. Smith
Arnold J. Sparmins**
Eric M. Thies*
Gary L. Thompson**
Timothy G. Timm
George D. Trennin
James R. Westkott**
Consuelo A. Williams
Diane L. Wolfert**

GRADUATE SCHOOL OF PUBLIC AFFAIRS

Marshall Kaplan, Dean; Robert Lorch, Acting Resident Dean

THE DEGREE MASTER OF PUBLIC ADMINISTRATION

Eric Bostwick
Kathryn R. Dahlberg
Edwin N. Fish
Jeffrey M. Hauck**
Maurice C. Honeycutt*
Jane V. Hook
Linda K. Kim

John P. Leofsky
Kenneth Lingle
Susan K. Mayher**
Coral J. Main**
Carol A. McMillan
Richard A. Miklich

Ronald J. Romero**
Terrence W. Rorick
Henry Rosoff
Deborah K. Rountree
William J. Shaffer**
John D. Shanahan**
Alfred C. Shea

Richard C. Smith
Richard A. Snyder
Rebecca S. Stocker*
Terrence L. Swartz
Barbara C. Trombley
Jimmie O. Williams**

THE DEGREE MASTER OF BASIC SCIENCE

Claudia M. Eley
James M. Jackson
Robert K. Littleton**

Robert P. Mason**
Garry R. Nielsen

Robert L. Stamps**
Wendy B. Thornton

THE DEGREE MASTER OF SCIENCE

Farid Akhbari, Electrical Engineering
Derryl D.J. Allman, Electrical Engineering
Jerry K. Barnett, Electrical Engineering
Michael R. Ehrlich, Electrical Engineering
Robert H. Gattis, Jr., Computer Science
Jamshid Golabi-Khoozani, Electrical Engineering**
Manoochehr Golabi-Khoozani, Electrical Engineering
John W. Gregory, Electrical Engineering**
Mary Lou Haag, Computer Science
Farzad Hashemi, Electrical Engineering
Keith R. Holstine, Electrical Engineering
Michael D. Jaeger, Computer Science**

Nancy A. Levit, Computer Science*
Amy R. McGowan, Electrical Engineering**
Harold B. Meadows, Electrical Engineering**
Gary V. Millsap, Computer Science
Enrique F. Ortega, Electrical Engineering
Gary W. Reneau, Computer Science**
Charles W. Simmons, Applied Mathematics
Douglas R. Standish, Electrical Engineering**
Edward L. Strauch, Electrical Engineering
Mark A. Taylor, Computer Science
Richard L. Woodruff, Electrical Engineering*

CANDIDATES FOR COMMISSION

Second Lieutenant, United States Army

Michael W. Jackson
Edward M. Ketchum

Richard P. McClintock
Tony L. Peterson

David S. Turnbull

HONORARY DEGREE

JOANNE GREENBERG

JOANNE GREENBERG, the internationally known author of seven novels and three collections of short stories, is most famous for her 1964 best-selling novel, "I Never Promised You a Rose Garden," which, published under the pseudonym Hannah Green, was subsequently made into a major motion picture.

Her most famous work, however, was barely the beginning of a highly successful career as a writer and humanitarian. She has published eight other works of fiction including "Founder's Praise," "A Season of Delight," "The Far Side of Victory," "In This Sign," and three highly acclaimed collections of short stories.

Her writings are often a compassionate expression of concern about human pain and care for those who cannot always take care of themselves. "In This Sign," for example, was written in response to her husband's work with mental health programs for the deaf. That novel, too, was made into a film, "Love is Never Silent."

Joanne Greenberg is an extraordinary writer and scholar whose compassion for the handicapped, the underprivileged and the dispossessed has not only become a hallmark of her fiction, but also a driving force in her personal life.

For example, she has not only written about the deaf, but also helped establish mental health programs for the deaf throughout the U.S. She teaches sign language and is listed with the Colorado Registry of Interpreters of the Deaf.

A native of Brooklyn, New York, Joanne Greenberg has lived in Colorado for nearly 30 years, and has clearly established herself as one of our state's most distinguished literary artists-in-residence.

In recognition of her literary accomplishments and for her dedication, commitment and untiring efforts to support the disadvantaged, the Board of Regents is pleased to present Joanne Greenberg with the degree of Doctor of Humane Letters, *honoris causa*.

Distinguished Service Award

ROGER A. SANBORN

ROGER A. "SANDY" SANBORN, founder of Sanborn Western Camps, Colorado Outdoor Education Center, the Nature Place, and the Pikes Peak Research Station, has devoted his life to providing youth with outdoor experiences and an understanding of the world around them.

Along with his wife Laura, he established Sanborn Western Camps in 1948. Their goal was to use the outdoors as a living textbook for teaching the remarkable interconnections of life on this planet. Thousands of youth from throughout the world have since attended the camps, enjoying the excitement of the wilderness experience and heightened awareness of the natural world.

In 1967 Sandy Sanborn founded the non-profit Colorado Outdoor Education Center in a natural environment setting on 6,000 acres. Today, as a supplement to their schools' curriculum, elementary and secondary students from throughout Colorado come to the Center and discover the

educational opportunities provided through direct experience in the outdoors.

His most recent project, the Pikes Peak Research Station, fosters original research in both the natural and social sciences, and recently has made possible a stream sedimentation research project with the University of Colorado at Colorado Springs Geography Department.

Sandy Sanborn's deep concern for the well being of our fragile planet has manifested itself in a life-long commitment to outdoor education. He has been an inspiration to thousands of people who have been influenced by his innovative leadership.

Therefore, in recognition of his service to the State of Colorado and commitment to education, the Board of Regents is pleased to present the University of Colorado Distinguished Service Award to Roger A. "Sandy" Sanborn.

Distinguished Service Award

ALBERT J. TOMSIC

Albert J. Tomsic has had a long and distinguished career as a judge and legislator in Colorado, beginning his career as a public servant 35 years ago as a county attorney and later serving as an assistant district attorney in Walsenburg, Colorado.

He was elected to the Colorado House of Representatives in 1952, where he served as majority leader in 1957 and 1958, and as speaker of the House in 1961 and 1962. During his 10-year tenure, he was chair of the Rules and Finance committees and a member of the Legislative Council. He was once voted "Outstanding Legislator" by the capitol press corps.

He became district judge of the third judicial district in 1964, served as chief judge for 15 years, and was a past president of the Colorado District Judges Association. He retired from the bench March 1, 1986.

Before becoming district judge, he practiced law in Walsenburg for 14 years. Both his bachelor's and law degrees were earned at the University of Colorado.

In recognition of his outstanding achievements in public service and his contributions to the State of Colorado, the Board of Regents is pleased to present the University of Colorado Distinguished Service Award to Albert J. Tomsic.

RESOLUTION OF APPRECIATION

TO

DAVID K. SUNDERLAND

WHEREAS David K. Sunderland was elected to a statewide two-year term on the Board of Regents in 1978, and was re-elected to a statewide six-year term in 1980; and

WHEREAS as a Regent he contributed substantially to the effectiveness of the Board in that he served as a knowledgeable examiner of both the University and mandatory student fee budgets; urged credit transfer agreements with other state institutions; stressed teaching excellence; called for a review of opportunities in athletics at all levels, with the establishment of appropriate directions; pressed for a separate status for the CU-Colorado Springs College of Engineering and Applied Science; advocated a procedure to be used to facilitate the transition of multicampus schools and colleges to separate academic units if requested and when judged qualified; and

WHEREAS he also worked diligently to obtain funding for the Engineering building and to establish the Ph.D. degree in Electrical Engineering at CU-Colorado Springs; authored the resolution upgrading academic preparation for undergraduate admission to the University; proposed the enlarging of entering classes for the College of Business and the College of Engineering at CU-Boulder; and rendered valuable and knowledgeable advice in the development of

the CU-Boulder East Campus Research Park Project; and

WHEREAS David Sunderland will be particularly remembered as Chairman and therefore lodestar of the Board when the University did not sign the Memorandum of Understanding drafted by the Joint Budget Committee that included not only fiscal commitments but also new statewide mandatory admissions standards; as the consistent poser of the question "is it good for Colorado?"; and as the reminder to all of us, by his steadfast attendance at graduations at the four campuses, of the most important reason that the University exists; and

WHEREAS the Board and the University community will greatly miss the active and in-depth involvement of David and Brooke Sunderland in the events of the institution;

NOW THEREFORE BE IT RESOLVED that the Board of Regents expresses its deep appreciation to David K. Sunderland for his dedication, his conscientious service, and his many accomplishments on behalf of the University and the State of Colorado; and

BE IT FURTHER RESOLVED that he be granted the title of Regent Emeritus of the University of Colorado and be suitably honored at a May 1987 commencement.

JEFFREY M. WELLS

1987 LEGISLATIVE AWARD

Senator Jeff Wells is presently serving his second term in the Colorado Senate. During his tenure he has worked vigorously on behalf of higher education and the University of Colorado at Colorado Springs.

His support has taken many forms, including: increasing the funding base at UCCS, funding for capital construction, and support for the space sciences efforts of the University.

Of particular significance to the University of Colorado has been his role as a negotiator and arbitrator when critical issues in the Senate have surfaced. His personal and professional talents and skills in analyzing issues and directing

decisions toward closure were acknowledged by his colleagues when they elected him to the position of Senate Majority leader in 1987.

UCCS has benefited from Senator Wells' commitment to sound and equitable decision making, clarity in direction, and his ability to set forth alternatives on behalf of his constituents and all of the citizens of Colorado.

It is appropriate, therefore, that Senator Jeffrey M. Wells be the first recipient of the University of Colorado at Colorado Springs Legislative Recognition Award for 1987.

THE PRESIDENTIAL CHAIN OF OFFICE

The Presidential Chain of Office was created in 1980 by Mary Sartor, M.F.A., University of Colorado, Boulder, for the inauguration of President Arnold R. Weber. The Chain was a gift to the University by Mr. and Mrs. David G. Hawthorn, Class of '24.

Colorado gold and silver are used throughout the chain to symbolize the importance of those minerals to the history of the State. The gem stones chosen also consist entirely of minerals from Colorado.

Three pendants are suspended on the chain. The back pendant is the Seal of the State of Colorado surrounded by a golden ribbon representing the golden Circle of Knowledge. The top pendant in the front, the Seal of the University of Colorado surmounted by an arch set with diamond and topaz, signifies the necessary link between the search for knowledge and its practical application to the world outside the University. The Seal is supported at the bottom by the laurel wreaths found in the Seal, emblematic of honor and success.

The bottom pendant is centered with a golden topaz indicating man's quest for knowledge. The surrounding ring is paved with fragmented cubes and diamonds which suggest fragments of knowledge with brilliant breakthroughs of understanding.

The chain surrounding these pendants symbolizes the endless but ever-changing cycle of human knowledge.

THE NORLIN CHARGE TO GRADUATES

(From the baccalaureate address by President George Norlin, of the University of Colorado, June 1935.)

"You are now certified to the world at large as alumni of the University. She is your kindly mother and you her cherished sons and daughters.

"This exercise denotes, not your severance from her, but your union with her. Commencement does not mean, as many wrongly think, the breaking of ties and the beginning of a life apart. Rather it marks your initiation in the fullest sense into fellowship of the University, as bearers of her torch, as centers of her influence, as promoters of her spirit.

"The University is not the campus, not the buildings on the campus, nor the faculties, not the students of any one time—not one of these or all of them. The University consists of all who come into and go forth from her

The University of Colorado has used three different seals in its lifetime.

The present seal, adopted in 1908, depicts a classical Greek male figure seated against a pillar and holding a scroll. A burning torch framed in laurel is placed beside him. The Greek inscription means "Let your light shine."

According to Denver designer Henry Read, the classical design was used because Greek civilization "stands as the criterion of culture." The laurel symbolizes honor or success, the youth of the figure suggests the "morning of life," and the scroll represents written language.

From 1893 to 1908, a seal was used which copies Wyon's medallion, "Science Trims the Lamp of Life." The classical figure of a kneeling Greek woman was flanked by mariposa lilies, which President Baker described as "a true Colorado flower."

Before 1893, a seal was used which essentially copies the Colorado state seal. It was never adopted by the Regents.

The official seal of the University of Colorado is used only by the Regents in transmitting official business.

halls, who are touched by her influence and who carry on her spirit. Wherever you go, the University goes with you. Wherever you are at work there is the University at work.

"What the University purposes to be, what it must always strive to be, is represented on its seal, which is stamped on your diplomas—a lamp in the hands of youth. If its light shine not in you and from you, how great is the darkness! But if it shine in you, today and in the thousands before you, who can measure its power?

"With hope and faith, I welcome you into the fellowship. I bid you farewell only in the sense that I pray you may fare well. You go forth, but not from us. We remain, but not severed from you. God go with you and be with you and us."

ACADEMIC DRESS

The tradition of the academic costume apparently began during the twelfth or thirteenth century in the early European universities. Since the clergy composed the majority of the educated class, academic dress is an adaptation of the cope or mantle which was usually of silk or wool, and worn by church dignitaries in religious processions.

Through the years, great diversity in color and in style of cap, gown and hood developed. In 1896, the colleges and universities in the United States adopted a uniform code governing academic dress. Today, the black gown, hood, and mortar board worn by the graduates in most institutions follow this code.

While it is not apparent to the casual observer, the gowns worn by the recipients of the various degrees vary somewhat in design. The sleeves of the gown worn by the baccalaureate candidate are long and pointed, while the sleeves of the gown worn by the master's degree recipient are square at one end with a slit at the elbow. The doctor's gown has flowing sleeves with three bars of velvet, and a facing of velvet down the front of the gown.

Those who receive a master's or a doctor's degree from the University of Colorado wear hoods lined with the school colors, silver and gold. The hood worn by the doctor's candidate differs in design from that of the master's as it has side panels and is slightly longer. The velvet border of the hood indicated the degree and usually follows the same code as the color of the tassels.

The oxford cap, usually referred to as a mortar board, is black and has a long tassel which is fastened by a button on the top. Candidates for the baccalaureate degree wear the tassel pendant over the right front of the cap before the degree is conferred, then it is worn on the left side.

ACKNOWLEDGEMENT

Music for the commencement ceremony is provided by the Colorado Springs Concert Band.

Please, no smoking