



UNIVERSITY
OF COLORADO
at Colorado Springs

Commencement
May Twenty-Second
Nineteen Hundred and Eighty

THE REGENTS
OF THE
UNIVERSITY OF COLORADO

Chairman
Byron L. Johnson
Denver

Jack Kent Anderson
Denver

Louis F. Bein
Berthoud

Richard J. Bernick
Denver

Fred M. Betz, Jr.
Lamar

Peter C. Dietze
Boulder

Sandy F. Kraemer
Colorado Springs

Mrs. Rachel B. Noel
Denver

David Sunderland
Colorado Springs

PROJECTIONS

Universities play a unique and apparently contradictory role in society. On the one hand, they serve as an anchor of stability in a shifting environment whose new forms are not clearly perceived. Thus, a university will preserve and convey humanistic values and scientific truths that have been confirmed by centuries of human experience and scholarly research. In this sense, the university provides a perspective and a mechanism for critical evaluation that protects society against fads based ideology, fear, or simply erroneous information.

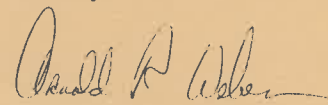
On the other hand, the university must mirror and adjust to change if it is to play a leadership role in the society that it purports to serve. New ideas challenge fixed concepts, public attitudes may alter the mission of higher education, and student preferences provide a continual assessment of the relevance of the university's offerings to the individual's needs. The history of higher education in the United States vividly demonstrates this capacity to adapt to the special requirements of the American environment. Many of the early colleges in the United States focused on the training of clergymen who could provide continuity and reassurance while the nation embarked on a great experiment in social and political development. The land grant college, in turn, embraced the novel notion that higher education should help enhance the skills necessary to sustain a high level of economic growth. The public university served this need brilliantly while achieving the democratization of opportunity so vital to a free society. And following the unparalleled demand for higher education in the post World War II period, we saw the emergence of the "multiversity" offering a wide array of educational services to a diverse clientele. From Cotton Mather to Clark Kerr, the genius of the American university has been its capacity to respond effectively to the changing environment.

The current decade will test these attributes on the part of higher education in general and the University of Colorado in particular. After nearly three decades of sustained expansion, higher education must cope with economic austerity and a declining student population base. New problems, such as energy sufficiency, the preservation of environmental values, and the restoration of economic stability command our attention and resources. Significant shifts have taken place in student preferences, increasing enrollments in engineering and business while resulting in declines in other areas. The legislature has demanded greater accountability and restraint in public expenditures, a posture which has had a significant impact on the amount of resources available to higher education.

To continue to serve the people of Colorado, the University must adjust to these new circumstances in the same manner that we prepare our students for a lifetime of constructive change and growth. However, the capacity for adaptation of both the University and the student will be enhanced to the extent that we preserve the basic structure and values of higher education. This means a willingness to invest in teaching and research that go beyond immediate market demands and a recognition of the need to preserve an outstanding educational institution. In coming to terms with the present we should not repudiate the past.

Together, the four campuses of the University embrace the achievements and promise of Colorado. The Denver campus represents our commitment to help solve the special problems of urban development. Colorado Springs integrates the concepts of liberal education with the requirements of high technology. Boulder affords leadership in the basic disciplines and professional education which contributes to activities as varied as space exploration and rational land use here on earth. The Health Sciences Center combines science with deep traditions of humane service. With the support of the people of the state, the University and its graduates can view the necessity for change as the occasion for opportunity rather than adversity.

Sincerely,



Arnold R. Weber
President
University of Colorado

ORDER OF EXERCISES
Professor Richard P. Francis, Presiding

Processional*

Invocation

Margaret C. Trexler

The National Anthem

Dr. A. Paul Ballantyne

Welcome

Chancellor Donald Schwartz

Address

President Arnold R. Weber

Conferring of Honorary Degree
William Gould Dow

Doctor of Science, *honoris causa*

University of Colorado Medal
Robert C. McHugh

University of Colorado Distinguished Service Award
Gladys Ray Bueler
Judith Mitchell Noyes
Richard Hall Noyes

Campus Presentations

Teaching Award
Staff Award
Chancellor's Award

Barbara R. Swaby
Ruth Westcott
James A. Null

Conferring of Baccalaureate Degrees
Recognition of Outstanding Graduates

College of Letters, Arts and Sciences
College of Business and Administration
School of Education
College of Engineering and Applied Science

Charles E. Baumgardner
Brenda K. Thomas
Michelle M. Fry
Michael D. Lahey

Conferring of Advanced Degrees
Recognition of Outstanding Graduates

Graduate School of Business Administration
Graduate School of Public Affairs
Graduate School

Doris L. Marron
Mickey L. Crist
Richard J. Calvert (Engineering)
Jennifer L. Caughlin-Carver (Psychology)
Judy E. Peters (Sociology)
Helen L. Williams (Education)

Initiation of Graduates into Alumni
and Friends Association

Verd J. Rasmussen

Charge to Graduates

President Arnold R. Weber

Alma Mater Hail, 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.!

Dr. A. Paul Ballantyne

Recessional*

* The audience will please be seated during the processional and recessional.

CANDIDATES FOR DEGREES
COLLEGE OF LETTERS, ARTS AND SCIENCES

James A. Null, Dean

THE DEGREES BACHELOR OF ARTS AND BACHELOR OF SCIENCE

Carmen B. Abeyta, Sociology
Margaret L. Abbott, Geography and
Environmental Studies
Susan J. Aldrich, Biology
With distinction in Biology
Anne J. Allen, Psychology**
Zakiyyah A. Ammatullah, Psychology**
Karen A. Anderson, Political Science
Magna cum laude
Michael L. Anderson, Economics
Magna cum laude
Joy Beth Bormann Arnott, Geography
and Environmental Studies**
Cum laude
Rebecca L. Atkinson, English**
Magna cum laude
Lillian L. Banks, Distributed Studies
Leon Bassett, Jr., Sociology
Charles E. Baumgardner, English
Summa cum laude, with highest distinction in English
Edward E. Beedle, Chemistry (Bachelor of Science)
Alinda S. Berrocales, Psychology/Sociology
Pamela R.K. Bettis, Political Science
Mary B. Bigelow, Psychology
Christina M. Blake, History
Magna cum laude, with high distinction in History
Judy K. Bontrager, Distributed Studies
Cum laude
Grover J. Brittain, Psychology*
Theresa O. Browne, Political Science
Magna cum laude
Loryn H. Brucato, Distributed Studies
Barbara M. Bundgaard, Psychology
With distinction in Biology
James A. Bundy, Political Science
Frederick A. Burr, Sociology
May S. Bush, Psychology**
Nancy L. Bushnell, English
Michael A. Campbell, Sociology**
Judith A.M. Candelaria, Sociology
Edward M. Carrigan, History*
Elisabeth H. Caruolo, Psychology/Sociology**
Victoria Claude, Sociology**
Debra I. Clifton, Biology*
Dana K. Colon, Psychology/Sociology**
Derrick W. Copper, Psychology
Pamela L. Cooper, Psychology**
With high distinction in Psychology
Elizabeth A. Crawford, Distributed Studies
Christine C. Crupper, Geography
Debra R. Damerst, Psychology
Magna cum laude
Shannon C. Davis, Fine Arts
Cum laude
Susan C. Davis, Psychology
Gordon J. Davitt, Economics/Sociology
Cum laude
Susan D. Deering, Biology/Chemistry**
John B. Demers, History
Magna cum laude, with high distinction in History
Patricia E. Donovan, Sociology**

Denise S. Draxton, Biology
With distinction in Biology
William M. Eddins, History
Debbie J. Edgerton, History
Thomas R. Eisenman, Biology
Leonard R. Elfervig, History*
Beth Ann Ellingwood, English
E. Wendell Engle, History
Cum laude
Brian Esch, Geography and
Environmental Studies*
Ronda A. Eshnaur-Carmical, Distributed Studies
Ruth A. Fons, Political Science/Sociology
Margaret P. Foster, Psychology/Sociology*
Michele C. Foster, Psychology**
Peter H. Fredrickson, Biology
With distinction in Biology
Terence M. Freymuth, Biology**
Steven K. Frost, Biology/Geography
and Environmental Studies**
*With distinction in Geography
and Environmental Studies*
David B. Fullen, Psychology
Karen E. Gale, Psychology*
Jose F. Garcia, Economics**
Glenda G. Garrett, Fine Arts
Marci J. Garrison, Biology**
With distinction in Biology
Mary R. Gillum, Anthropology
Kristan C. Goschen, Geography
and Environmental Studies**
Robert K.W. Golden, History
Summa cum laude
Joe O. Guerin, Sociology**
John R. Hardy, Psychology
Linda H. Harford, Geography and
Environmental Studies
Fred L. Heath, Psychology
John C. Herath, History**
Susan J. Herdeman, Sociology**
Sherry R. Hoepfner, History
Shirley J.L. Houser, Psychology**
Cum laude
Sidney Howell, History
Jeffrey C. Hulsey, History/Biology
Mary E. Huneke, Sociology
Sandra L. Iverson, Distributed Studies**
James L. Jackson, Biology
William E. Jackson, Biology
Magna cum laude, with highest distinction in Biology
Holly F. Johnson, Psychology
Summa cum laude
Lawrence A. Johnson, Geography and
Environmental Studies
Marilyn E. Jones, Fine Arts**
Sandi Y. Jones, Distributed Studies
Jaqueline J. Kahanic, Psychology**
Cum laude
Elizabeth M. Kapka, Fine Arts
Carol E. Kauffman, Distributed Studies

Jeanne L. Kearney, Political Science
Katherine S.B. Kersey, Biology
David J. Keating, Distributed Studies*
Kerry A. Keck, English**
Magna cum laude
Alan A. Kelley, History*
Shawna M. Kelly, Psychology/Sociology*
Loni J. Kinder, Psychology
David L. Koets, Chemistry
Carol L. Lane, Sociology
Vera L. Langley, History*
Robert D. LaRue, Jr., Political Science
Anne L. Leckie-LaBombard, Geography
and Environmental Studies**
Betsy D. Leek, Sociology*
John M. Lewis, English/Sociology**
Nancy E. Lewis, Sociology
Carol B. Linville, Distributed Studies
Cum laude
John A. Long, Psychology
Manuel A. Lopez, Spanish**
Cum laude, with highest distinction in Spanish
William A. Luke, Psychology**
Michael D. Mahon, Psychology
Helmut Maile, Biology
Gayle L. Marple, Sociology*
Sally Martin, Psychology
Fran C. Martinez, Sociology
Nancy E. Martinez, Sociology**
Virginia I. Maynard, Economics**
With highest distinction in Economics
James E. McAfee, History**
Richard C. McBride, Distributed Studies**
Max R. McCarthy, Anthropology
Magna cum laude
Mary E. McCready, Anthropology
Kathryn T. McDowall-Chittenden, Sociology
Darcy A. McIntire, Fine Arts*
William E. McIntire, Political Science**
Dorothy L. McLaurin, Sociology**
Patricia E. McMillen, Spanish**
Marcheta L. McMillian, Psychology*
James S. Meador, Jr., Chemistry**
Devin A. Mikles, Biology**
Magna cum laude, with highest distinction in Biology
Elizabeth Miller, Biology*
Christopher Millius, Psychology
Myrtice J. Moeglein, Fine Arts
Nancy M. Mondragon, Spanish
With distinction in Spanish
Gary A. Morgan, Sociology
Roger L. Mounts, History
Lisa A. Muehlbauer, English
Dena D. Murray, Economics
Robert F. Mutu, Psychology**
Janet L. Myers, English/History*
Magna cum laude
Sally J. Myers, English
Michael D. Neal, Distributed Studies
Manette M. Needles, Geography and
Environmental Studies*
Michelle D. Nelson, English*
Margaret L. Nevins, Philosophy**
Lawrence K. Nutter, Distributed Studies
Michael A. O'Neill, Sociology/History**
Andrew P. Ongstad, Chemistry (Bachelor of Science)
Cum laude, with distinction in Chemistry
Constance T. Ongstad, Spanish*
With distinction in Spanish

Phillis M. Orgill, Fine Arts
Cum laude
Linda M. Ortmann, Distributed Studies
Valerie J. Ottinger, Sociology*
Scott P. Overmyer, Psychology**
Craig T. Palmer, Geography and
Environmental Studies/Antropology
Cum laude
Ki Rae Park, Political Science*
Michael G. Parks, Geography and
Environmental Studies**
Thomas M. Pavilina, Chemistry**
Kenneth D. Plaisted, Psychology
With high distinction in Psychology
Gertrude Pollok, Sociology**
Sara M. Pontillo, Geography
Cum laude
David L. Posey, Psychology**
Cum laude
Curt A. Poulton, Geography
Magna cum laude
Laura A. Rasmussen, Fine Arts
With high distinction in Fine Arts
Marjie A.G. Reece, Distributed Studies
With high distinction in Sociology
Larry W. Reedy, Psychology
Cecil B. Renfro, English
Magna cum laude
Deborah R. Richardson, English
Patricia J. Rodriguez, Mathematics
David L. Rose, Distributed Studies
Marilyn W. Rothschild, Distributed Studies
Cum laude, with high distinction in Fine Arts
Walter S. Sand, III, Distributed Studies**
Robert J. Sandlin, Spanish**
Antonio Santistevan, Sociology/Spanish
Student Achievement Award
Susan M. Scanlan, Biology
Cum laude, with distinction in Biology
Leanne S. Schreiner, Psychology
Cum laude
Mary R. Schwarz, Mathematics
Joan M. Scott, Distributed Studies
Shelly L. Seyfried, Psychology
James E. Shatto, History
Cum laude, with high distinction in History
Mary P. Shea, English
Jeri D. Shepherd, Economics/Political Science
With distinction in Political Science
George S. Shock, Jr., Psychology/Sociology**
Gregory P. Siewers, Geography and
Environmental Studies
Betty H. Smith, Distributed Studies**
Dennis K. Smith, Political Science**
Douglas C. Smith, Fine Arts
Cum laude, with highest distinction in Fine Arts
Robert W. Spotts, Distributed Studies*
Raymond L. Stoffel, History*
Bonnie L. Strong-Olson, Fine Arts
Modeena M.H. Stultz, Distributed Studies*
Cum laude
Jeweldine F. Taylor, English
Robin McClurg Taylor, Sociology
Cum laude, with high distinction in Sociology
Joseph P. Thompson, Psychology
Charles A. Tomkins, Psychology
Alfred J. Toopkema, Sociology**
Nancy L. Tromble, English
Cum laude
Isabel D. Trujillo, Sociology

David M. Tunnell, Psychology
 Ryoji Ueno, English**
 Sylvia D. Vaughan, Fine Arts*
Cum laude
 Michael G. Vetrano, English
 Felipa B. Vigil, Sociology/Spanish**
Magna cum laude, with highest distinction in Spanish
 Donald C. Vohlken, Distributed Studies**
 Connie M. Walker, Psychology
 Katrina Walker, Psychology
 Therese M. Walker, Sociology**
 Jane Y. Wallace, Spanish*
With highest distinction in Spanish
 Kathleen J. Ward, Psychology
 Charles W. Warner, Biology
 Joan G. Weinert, Psychology
With distinction in Psychology
 Dixie L. Weiss, Political Science**
Magna cum laude, with highest distinction in Political Science
 Marian G. Whitaker, History
With high distinction in History

Barbara K. White, Geography and
 Environmental Studies**
*Magna cum laude, with distinction in
 Geography and Environmental Studies*
 Edward T. White, Anthropology
 Lynn E. Wilhelm, English
 Mary L. Williams, Geography and
 Environmental Studies*
 John G. Wiseman, History
 Tina S. Wood, Geography and
 Environmental Studies**
Cum laude
 Robert M. Woodruff, Political Science
 Micheal D. Worley, Distributed Studies**
 Beverly D. Wright, Psychology
Cum laude
 Richard F. Yanda, Distributed Studies
 Rosemarie Yergensen, Psychology
 Berneice J.W. Yoder, Psychology/Sociology
Cum laude

SCHOOL OF EDUCATION

Richard Turner, Dean, Jack E. Sherman, Associate Dean

THE DEGREE BACHELOR OF SCIENCE (EDUCATION)

John M. Anderson
 Janet M. Andrews
 Aurelia Arguello
 Catherine L. Barbier
 Nancy B. Baschleben
 Barbara J. Berry
 Fay K. Bomia
 Elizabeth A. Brookman
With special honors
 Amelia E. Byrd
 Mary E. Chamberlain
 Jane M. Chambers
 Kathleen R. Freeburg-Galvin
 Michelle M. Fry
With honors
 Connie N. Gair*
 Mary A. Garduno
With honors

Loretta J. Gingras
 Carla J. Green
 Gayle L. Harper
 Joanie M. Inglett**
 Jean T. Kucera
With honors
 Linda I. Legg
With honors
 Pamela J. Lemmon
 Maria D. Lewandowski
 Charlotte A. Lovejoy
 Ruth H. Mahaney
 William D. Mason*
 Sherry L. Nanneman
 Deborah S. Napper
 Regina C. Phillips
 Kathleen A. Reid
With honors

Susan J. Ritchey
 Hal B. Roberts
 Patricia L. Roberts
 Katherine A. Salaz
 Christina L.R. Sanchez
 Patricia W. Seidl*
 Kimberly A. Starkey
 Roland K. Vance
 Ada A. Vera
 Cynthia C. Walford
 Calvin E. Weiser, Jr.
With honors
 Ida M. Wheeler
With honors
 Thomas H. Wolfe II

COLLEGE OF BUSINESS AND ADMINISTRATION

W. H. Baughn, Dean, Robert A. Zawacki, Associate Dean

THE DEGREE BACHELOR OF SCIENCE (BUSINESS)

Yuko Agata
 Alan A. Anderson**
 Karen Beaver*
 Karen A. Bebout**
 Brice O. Berkeland
 Philip R. Blake**
 Michael L. Bochnak
 Dennis P. Bray
 Sally T. Brown
 Jeffrey D. Casale**
Cum laude
 Cleone L.C. Chiddix**
 Daniel W. Colvard
 Georgia A. Cooper
 Sheryl A. Court
 Kevin C. Dahlstedt**
 Frederik DeKroes
 Michael J. Dell
 Michael A. DeStefano
 Gary M. Dorobiala
 David C. Eisenstadt
 Debra S. E. Elliott*
 William F. Ellis
 Sherrie A. Fellows**
 Teresa A. Fitzpatrick
 Lisa L. Flynn
 Michel J. Fortier**
 Michael K. Fortin*
 Robin A. Frakes
 Roy E. Gardiner
 Samuel F. Gonzales
 Harold L. Goodman
 Eugene W. Gunhouse**
 Calvin T. Hamilton
 Rizk G. Hanna
 Luanne C. Harriman
 Fred B. Harrison**
 Cynthia L. Hart
 Gary L. Hathaway
 Stephen S. Hays
 Joseph M. Heffley**
 Gary O. Henkel**
Cum laude
 Elizabeth Hiner
 Anna-Liisa M. Hintgen
 Gregory G. Hodges
 Christopher M. Hurley**
 Edythe B. James
 Margaret A. Jewett
 Steven Johnson
 Paul M. Kahrs
 Katherine M. Kearney
 Steven K. Kibort
 Mark J. Kinna**
 Steven R. Klein
 Roger Kneebone*
 Mark G. Lemelin
 Merle K. Lendon*
Magna cum laude
 Victoria J. Lenhardt**
 Jeanine F.K. Linger
 Deborah S. Mack
 Norman R. Martell**
 Carole M. Martindale**
Cum laude
 Scott E. McClenathan
 Mary K. McHone
 Ann L. Meiggs
 Kathryn J. Mellberg**
 Esquiell Montoya**
 Albert L. Morse, Jr.
 John P. Morse
 Mary J. Nanninga
 Hoan H. Nguyen

Christine W. Orell
 Peggy S. O'Riley
 Jeanie G. Parks*
 Christopher D. Pavlina
 Stephanie A. Pearce
 Jacque M. Perdue
 Susan F. Peters
 Tho V. Phan
 Kathleen M. Pike**
 Robert G. Rainier
 James E. Raquet
 Cheryl L.F. Rawson**
 Cynthia A. Riley
 Helen Y. Rivera
 John M. Sabata**
 Albert Sabo, Jr.
 Howard A. Sanders
 Lawrence Satkowiak
 Bonnie C.G. Schlank*
Magna cum laude
 David O. Scott**
 Sally S. Sheets
 Gale L. Shelley*
 Franklin Shinnick**
 Judith S. Spooner
 Marc D. Staimer
 Lee Stapp
 Brenda K. Thomas
 Thanh T. Tran
 Mitchell W. Van Horn
 Linda M. Vaughn
 Kelly A. Verdun
 June C. Waller**
 Vicki L. Watson
 Pamela Washburn*
 Francs K. Werdel

COLLEGE OF ENGINEERING AND APPLIED SCIENCE

William J. Pietenpol, Dean, Michael D. Ciletti, Associate Dean

THE DEGREE BACHELOR OF SCIENCE

Thomas G. Adams, Electrical Engineering
 Ronald D. Alderman, Electrical Engineering*
 Gregory H. Ames, Electrical Engineering
 Dale I. Barr, Electrical Engineering
 and Computer Science**
 Steven B. Curtis, Electrical Engineering
 and Computer Science
 Raymond C. Edmonds, Electrical Engineering
 Joel S. Fredrickson, Resource Systems Engineering*
With distinction
 Lawrence A. Freymuth, Electrical Engineering
 and Computer Science**
 John H. Hallauer, Electrical Engineering**
 Thomas L. Harris, Resource Systems Engineering
 Dennis W. Harvey, Electrical Engineering
 and Computer Science
 Joseph A. Hawk, Electrical Engineering
 and Computer Science

David W. Jahnke, Computer Science
 Michael N. Jessop, Electrical Engineering
 Ahmad Ali Kassak, Electrical Engineering
 Gerald H. Kind, Electrical Engineering
 and Computer Science
 Lynn M. Krapf, Electrical Engineering**
 Michael D. Lahey, Electrical Engineering
 Richard A. Miller, Electrical Engineering
 John T. Parish, III, Electrical Engineering
 David W. Perry, Electrical Engineering
 and Computer Science
 James W. Redfield, Electrical Engineering
 and Computer Science**
 Steven D. Schoenbauer, Electrical Engineering**
With honors
 Gregory S. Winters, Electrical Engineering**
 Yong C. Yang, Electrical Engineering

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

W.H. Baughn, Dean, Robert A. Zawacki, Associate Dean

THE DEGREE MASTER OF BUSINESS ADMINISTRATION

Donald A. Bastin**
 James S. Brewer**
 George F. Brown, Jr.
 Gary R. DeSpain**
 Hiroche J. Date
 Ronald E. Diel*
 Rondi E.A. DuCharme**
 William Farritor*
 Donald R. Freeman**

Robert G. Harrison**
 Russell R. Jones
 Thomas J. Kelly
 Bryan P. Klotz**
 Dorothy J. Lane
 Paul Lauck**
 Michael A. Lew**
 Eileen G. McCulloch*
 Jerry L. Macon

Doris L. Marron
 Peter W. Murray**
 Carol R. Nemeč
 Don L. Sticinski
 Kent D. Taylor**
 Stephen E. Umphress**
 William W. Weihmiller
 Eugene M. Zamecki**
 William E. Zimkus

GRADUATE SCHOOL OF PUBLIC AFFAIRS

Robert F. Wilcox, Dean, James A. Null, Associate Dean

THE DEGREE MASTER OF PUBLIC ADMINISTRATION

Gaylord A. Alberg	Virginia L. Cook	Warren I. Klein*	Roger W. Page, Jr.
Daniel S. Antkers	Mickey J. Crist	Frank P. Klotz*	Michael W. Patrick
Steven L. Ausmus**	Rhoda S. Danforth	Robert L. Kraker	Terrence M. Plunkett
Rita M. Baker	Stuart R. Driggs	Susan C. Legett*	Marion Sondermann
William J. Begert	Gregory W. Engle*	Arthur L. Majors*	Pauline L. Spinuzzi
Josef A. Benavides*	Donny D. Faust*	Lloyd D. Malone**	Albert E. Stoll*
Travis W. Bennett	Mark E. Fidrych	Irene B. Martinez	Walter R. Thompson
Mary L. Pfahl Berg*	Robert G. Green*	James P. McElderry	Michael J. Tracy
Bruce B. Bettis**	Richard W. Hatter	Dennis P. McGuirk	Jerome J. Vavrin*
Laurie A. Bolster	Philip B. Holmes*	Alfred M. Mekhail*	Floyd F. Veatch**
Marcia A. Bonifas	Emily M. Kline Inman*	Donald K. Miller*	Manuel F. Vega
Leo F. Butcher, Sr.	Fredlyn S. Karp**	Robert E. O'Rourke	Patricia A.W. Weed*
Donald G. Cain**	John P. Kelley*	Jerome M. O'Sullivan	Daniel Williams**
Kay N. Caunt**			

GRADUATE SCHOOL

Rose-Marie G. Oster, Associate Dean, David Ballesteros, Acting Associate Dean

THE DEGREE MASTER OF ARTS

Marilyn A. Layton Ager, Elementary Education*	Linda A. Lochman, Special Education
Diana I. Allen, Secondary Education	Earl W. MacEnulty, Guidance and Counseling**
Dennis D. Ammon, Guidance and Counseling	Karen E. Madsen, Reading*
Gary A. Arthur, Special Education	Cynthia A. McFarland, Sociology
Mary S. Baltzer, Secondary Education*	Emily M. McMillen, Special Education**
Susan I. Brinley, Guidance and Counseling*	Arthur J. Mahoney, Elementary Education
Jennifer L. Caughlin-Carver, Psychology	Mary E. Hilton Mall, History
Donald T. Castle, Guidance and Counseling	Gail L. Miller, Reading**
Alice M. Chambers, Guidance and Counseling**	Sherry R. Mills, Special Education**
Michaela C. Christianson, Special Education**	Judith M. Lilly Morrill, Special Education*
Richard J. Colwell, Secondary Education**	Elaine B. Nash, Guidance and Counseling**
Rosemary C. Colwell, Reading	Barbara J. Wiley Newton, Guidance and Counseling*
Rachel A. Cressman, Secondary Education*	Lloyd J. Nies, Special Education
Anita B. Croshal, Reading	Betty J. Pegram, Reading*
James A. Cutler, Guidance and Counseling	Judy E. Peters, Sociology
Bonnie L. Dalton, Guidance and Counseling**	Gladys L. Petre, Elementary Education
Carl J. Davison, Guidance and Counseling	Phyllis J. Philp, Guidance and Counseling**
Stephen F. DeFelice, Guidance and Counseling*	Anne Owen W. Porter, Guidance and Counseling
Pamela E. DeTurk, Special Education**	Madonna M. Grow Portice, Special Education*
Dianne M.O. DuVall, Special Education*	Steven K. Rineer, Guidance and Counseling
Meredith B. Franck, Guidance and Counseling	Nancy M. Rose, Special Education
J. Raynette F. Funk, Guidance and Counseling*	Rebecca B. Schipper, Guidance and Counseling*
Nancy L. Galvin, Guidance and Counseling*	Nancy K. Schumacher, Reading
Patricia W. Giffen, Reading*	Linda L. Johnstone Seaman, Special Education**
Nadyne J. Guzman Gomez, Special Education*	Lavonne A. Sessions, Reading
James R. Greathouse, Sociology	Sarah S. Shaw, Special Education
Wolfgang R. Griesinger, Elementary Education**	Priscilla G. Sisson, Guidance and Counseling
Ronald R. Gruber, Elementary Education*	Donald R. Steele, Secondary Education**
Kent I. Hallam, Reading*	Richard A. Steffens, Guidance and Counseling
Olga L. Hock, Secondary Education	Shirley A. Stenson, Secondary Education
J.S. William Hosford, Guidance and Counseling	Martin A. Szeliga, Secondary Education
Loretta A. Jaramillo, Special Education	Terri L. Blanchard Tindal, Special Education*
Karen P. Jasman, Guidance and Counseling**	Charlott W. Tye, Special Education**
Ronald J. Jasman, Guidance and Counseling	Anna M. Grubb Vaeth, Special Education
Kathleen A. Jorstad, Guidance and Counseling	Patricia A. Walker, Sociology
LaVerne C. Kallberg, Special Education	Onda A. Waller, Guidance and Counseling
Terry L. Koprivier, Guidance and Counseling	Christine S. Wellman, Guidance and Counseling**
Kathleen H. Kuss, Secondary Education*	Lorraine L. Amorose White, Guidance and Counseling*
Paula L. Whalley Lehman, Reading*	Helen L. Miller Williams, Reading*
Ada D. Lewis, Secondary Education	Glynda G. Zane, Guidance and Counseling
Helen V. Lewis, Special Education	

THE DEGREE MASTER OF BASIC SCIENCE

Robyn D. Keithley Elliott*

THE DEGREE MASTER OF SCIENCE

Richard J. Calvert, Jr.
Thomas M. Depkovich

David L. Granteer
Steven W. Netherton

* Graduate August 1979

** Graduated December 1979

The preceding lists of candidates for degrees are not an official record that such candidates have been awarded such degrees.

University of Colorado Honorary Degree WILLIAM GOULD DOW

WILLIAM GOULD DOW, a pioneer in physical electronics, is the man who introduced electronics courses into the electrical engineering curriculum—a primary need of the 1930s. With his textbook, "Fundamentals of Engineering Electronics," the first in its field, he emphasized the teaching of electronics at the University of Michigan and all other universities eventually followed suit.

When the United States entered World War II, Professor Dow joined the Radio Research Laboratory at Harvard and began consultant work for the Radiation Laboratory at MIT; he thus became one of the first to align research programs with the war effort. After the war he recognized that university research efforts could advance the nation's defense capability, and with others he established cooperative efforts between governmental agencies and universities.

Together with leaders of midwestern universities, Professor

Dow helped to upgrade the graduate education of engineers by combining graduate studies with research. University towns like Ann Arbor, Urbana, Madison, and Boulder became large research centers because of those efforts.

Professor Dow fought also for the creation of research institutes that are allied with but independent of universities—like ERIM, JILA, NCAR, and others—and they have conducted pure and applied research in atmospheric physics, outer space studies, solid state electronics, microwave engineering, nucleonics, and other fields. Professor Dow, who serves on the board of some of those institutes, has made dozens of scientific contributions himself.

Mr. President, in recognition of his scholarly excellence in research, his scientific and professional leadership, and his contributions to electronics, I have the honor to present William Gould Dow for the degree Doctor of Science, *honoris causa*.

University of Colorado Medal ROBERT C. McHUGH

ROBERT C. McHUGH, business executive, teacher and lawyer, has served the cause of higher education in Colorado in exceptional fashion.

The knowledge, the judgment, and the commitment in time and effort that he brought to the Colorado Commission on Higher Education in his ten years of service have been distinguished. During his tenure as a member of that Commission, he was a strong advocate of educational programs that will have far-reaching benefits to Colorado for untold years ahead. Typical of this was his support for development of a graduate level Special Education program at the Colorado Springs campus of the University.

Despite the heavy demands on his time as an attorney for the Colorado Interstate Gas Company, he has performed for the past five years in masterful fashion as an honorarium professor of business law in the College of Business and Administration. He is an authority in his discipline and receives excellent evaluations from his students. He also serves the University as a member of

the Chancellor's Advisory Council, made up of leading members of the Colorado Springs business, professional, and educational communities.

His dedication and contributions to the cause of higher education have been matched by long and effective service in other areas beneficial to the State of Colorado. He played a major role in securing the establishment within the state of the Solar Energy Research Institute, and today continues to serve in this area as an influential member of the Governor's Advisory Committee on Energy.

A graduate of the University of Colorado Law School, he has been an outstanding representative of that school in all phases of his legal career.

In recognition of his record of service and his many contributions to the welfare of his community and state, the Board of Regents is proud to present the University of Colorado Medal to Robert C. McHugh.

University of Colorado Distinguished Service Award

GLADYS RAY BUELER

Her generosity in sharing her knowledge and talents with others makes GLADYS RAY BUELER one of Colorado's outstanding citizens.

As an author and lecturer on Colorado's past and the colorful characters of the state's history, she has brought hours of pleasure and entertainment to thousands of readers and listeners.

In 1965, she created the "Crash Course in Colorado History for Fun" as an outgrowth of her interest in the Centennial state's past. Since the start of that program, offered through the Division of Continuing Education at UCCS, she has made hundreds of talks to service clubs and other organizations, as well as presenting historical slide shows to students in local schools.

During the 1976 Centennial-Bicentennial celebration, her "Colorado's Colorful Characters" became an official book for the year-long fete. She presented a weekly "Centennial Nugget" of Colorado history on television stations around Colorado.

wrote a weekly "mini-history" of the state for a Colorado Springs newspaper, and appeared on the NBC "Today" show as Colorado historian when the "Bicentennial Salute to Colorado" was shown.

In 1979, Mrs. Bueler was instrumental in making a historical 19-minute documentary film on the famous William S. Jackson house and family. She wrote the script and narrated the film, which has been highly acclaimed as a unique approach to history.

She is a master of the pen and her personality enables her to make common, ordinary historical events take on flesh and blood and come alive as current events.

In recognition of her unique contributions in bringing history to people who might never have any other contact with or knowledge of Colorado's beginnings, the Board of Regents is pleased to present the University of Colorado Distinguished Award to Gladys Ray Bueler.

University of Colorado Distinguished Service Award

RICHARD HALL NOYES and JUDITH MITCHELL NOYES

Presenting an award to a couple is most unusual, but in this instance there is no way to honor one without equally honoring the other.

RICHARD HALL NOYES and JUDITH MITCHELL NOYES are owners and operators of the unique Chinook Bookstore in Colorado Springs. The character of that enterprise is ready testimony to their own unusual personal qualities. Their bookstore demonstrates their concerns for broad intellectual interests, and provides a highly unusual resource for their thousands of patrons. The Chinook Bookstore has been cited as one of the best personal service bookstores in the country, reflecting the good taste and discrimination that are part of their individual personalities.

Dick Noyes has served on the board of directors of the prestigious American Booksellers Association, and in 1974 was its president. In 1977, he received the Mountain Plains Library Association's award for Intellectual Freedom for his defense of First Amendment rights and his opposition to censorship. He is co-founder of the Colorado Media Coalition and was one of two book sellers appointed in 1977 by Center of the Board of the Library of Congress to stimulate reading throughout the United States.

Promotion of children's literature has been of prime importance to Judy Noyes. She has written many reviews of such literature for the New York Times and reviews and articles for Publisher's Weekly, and takes great pride in the fact that the Chinook Bookstore provides children with quality literature that is enjoyable.

Both Dick and Judy Noyes have been extremely generous and active in providing leadership in a wide range of community endeavors. He has served with distinction, for example, as a trustee of the Fine Arts Center and as an officer of the Citizens Goals for Colorado Springs organization. She has served as president of the board of trustees of the Colorado Springs School and is currently on the board of directors of the Colorado Springs Symphony.

Because of the exemplary roles they have played in making Colorado Springs a community for living and enjoying, the Board of Regents of the University of Colorado is honored to present the University of Colorado Distinguished Service Award to Dick and Judy Noyes.

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.

REFLECTIONS

I want to offer my personal congratulations to all our degree recipients for their success in achieving the goal that is theirs tonight.

I also extend to their families a note of appreciation for the support and help you provided to those who will receive their degrees this evening.

Undoubtedly, there were times during the past few years when some of you wondered whether the goal of a degree was worth the time, the labor, and the seemingly endless demands that always arose when you would rather be doing something else other than studying, working on a research project, or completing a term paper.

If at times you felt that way, you weren't alone. That same feeling has nagged at students down through the years. In times of turmoil and tension, it can be even stronger.

But you have survived those periods of frustration and discouragement, cast aside those lingering doubts, and have reached your goal.

In so doing, you have learned a lesson that Thomas Huxley, English biologist, had in mind when he wrote:

"Perhaps the most valuable of all education is the ability to make yourself do the things you have to do, when it ought to be done, whether you like it or not; it is the first lesson that ought to be learned; and however early a man's training begins, it is probably the last lesson that he learns thoroughly."



Donald Schwartz
Chancellor
University of Colorado
at Colorado Springs

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 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."

