



UNIVERSITY OF
COLORADO
at COLORADO SPRINGS

Silver Anniversary
Commencement

May Twenty-Eighth
Nineteen Hundred and Ninety-One

**THE REGENTS
OF THE
UNIVERSITY OF COLORADO**

Chairman
Dr. Roy H. Shore, M.D.
Greeley

Mrs. Kathleen S. Arnold
Littleton

Mr. Richard J. Bernick
Denver

Mr. Robert E. Caldwell
Colorado Springs

Mr. Peter C. Dietze
Boulder

Dr. Harvey W. Phelps, M.D.
Pueblo

Mr. Norwood L. Robb
Littleton

Dr. Robert E. Sievers, Ph.D.
Boulder

Gen. David W. Winn
Colorado Springs

PROJECTIONS

To the Class of 1991:

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.



William H. Baughn
President

ORDER OF EXERCISES

Jodi L. Fitzpatrick, Commencement Marshal
(1990 UCCS Outstanding Teacher)

Processional (audience will please remain seated)

Posting of the Colors

UCCS ROTC Color Guard

Invocation

Dr. Merrill J. Lessley

America the Beautiful¹

Dr. Paul Ballantyne

Welcome

Chancellor Dwayne C. Nuzum

Address

President William H. Baughn

Conferring of Honorary Degree
Starr Gideon Kempf

President-Elect Judith E.N. Albino

University of Colorado Medal
Sidney R. Rosen

Legislative Award
Charles E. Berry

Conferring of Baccalaureate Degrees
Recognition of Outstanding Graduates

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

Carol Ann Donaldson
Patrick B. Schertler
Catherine J. Ward

College of Business and Administration

Sheryl A. Nassauer

College of Engineering and Applied Science

Trevor S. Wieman

Conferring of Advanced Degrees

Initiation of Graduates into Alumni and
Friends Association

Nersi Nazari

Charge to Graduates

School of Education Dean Margaret Bacon

Alma Mater²

Dr. Paul Ballantyne

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!

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

- Sharon A. Adams, Communication **
~~Shara L. Alderton, History~~
Bradley W. Alexander, History
Melonee K. Allen, Communication **
Michelle Allen, Sociology **
Jennifer L. Allison, Philosophy
Jillian E.S. Anderson, Communication
~~Karen A. Anderson, Sociology~~
Kimberly A. Anderson, Communication **
Virginia L. Anderson, History
Nina J. Appel, Psychology **
Cum Laude
~~Ioanna D. Archer, Anthropology~~
Kim A. Armstrong, Political Science **
Anne M. Atkinson, Psychology
Daniel P. Avery, History/Political Science
Paula L. Bacchus, Spanish
Sonya S. Barnes, Communication
Stephanie A. Barres, English
Michael R. Bauer, History *
~~Arnold C. Bentley, Jr., History/Communication~~
Stephen A. Bergman, Sociology *
Magna Cum Laude, with high distinction
Betty J. Birchard, Communication *
Amanda W. Biro, Psychology
Paul K. Bishaw, Distributed Studies
Shelley L. Bishop, Psychology **
Pamela R. Bowker, Mathematics
Cum Laude
Shahrzad F. Bozorgzad, Mathematics **
~~Rhonda L. Braun, Psychology~~
Jill M. Brickner, Chemistry/Biology
Magna Cum Laude
Cathy L. Britt, Communication
Magna Cum Laude
Lisa C. Broomfield, Psychology
Karen A. Broughton, English *
Dianna D. Brown, Communication **
Betsy F. Burch, Psychology
~~Gina M. Burdi, Communication~~
Candance P. Burt, English
M. Elizabeth Byrd, History **
~~Audra D. Caldwell, Communication~~
~~Shannon M. Callen, History~~
Sherrie M. Chambers, Psychology
George L. Chang, Political Science/Spanish **
Cum Laude, with distinction in Political Science and Spanish
Claten D. Chapman, Communication
Manuel A. Chavez, Philosophy **
With Distinction
Cammy S. Clark, Communication
Cum Laude
Candace L. Cline-Bales, Sociology *
William C. Clulo, Anthropology **
Priscilla A. Cobbs, Biology
~~Cheri M. Colburn, English~~
Douglas R. Collins, Physics (B.S.)
Jonathan D. Collins, Distributed Studies *
Linda A. Cook, Fine Arts **
Kirsten W. Cortez, Sociology
Carolyn H. Craven, English **
Cum Laude
Brenda M. Creasey, Chemistry **
Cum Laude
Karrie S. Crews, Sociology **
Thomas E. Davenport, Physics (B.S.)
Julia A. Davis, Communication **
Marilyn K. Davis, English
With distinction
George M. Depner, Geography and Environmental Studies
Joanne S. DesRochers, Communication
Magna Cum Laude
Mary J. Dolder, English
Cheryl A. Doll, Communication **
Magna Cum Laude
Carol A. Donaldson, Geography and Environmental Studies
Summa Cum Laude, with highest distinction
~~Sharon L. Dotson, Psychology~~
Timothy A. Duffy, Philosophy
Magna Cum Laude, with highest distinction
Cristy L. Dunlap, Psychology *
Cum Laude
MaryLou Edwards, Psychology/Sociology
Henryetta E. Elze, Psychology
Adam J. Evans, Communication
Cheryl E. Evans, Sociology
Julia A.M. Evans, Fine Arts *
Magna Cum Laude, with distinction
Michael F. Everson, Economics/History
With highest distinction in Economics
~~Toni J. Ewing, Communication~~
Ingrid A. Fatianow, Communication
Shaun M. Feese, Political Science
Cynthia L. Fessel, Communication **
Karl E. Fiemke, Communication
Gregory D. Fleury, Communication **
~~Andrew G. Foote, Distributed Studies~~
Etiquiatta A. Ford, Sociology
Sabrina C. Forrest, Distributed Studies
Kathryn A. Franz, Geography and Environmental Studies *
Kristina E. Frasher, English
Cum Laude
Janice L. Friddle, Communication
Cum Laude
Nancy J. Furman, Distributed Studies
Magna Cum Laude
~~Dawn M. Gardner, Psychology~~
Gina M. Garvey, Mathematics
~~Debra J. German, History~~
~~Andrea D. Gibson, Communication~~
~~Timothy H. Gillen, History/Philosophy~~
Elizabeth A. Girod, Communications
Greg E. Godec, Chemistry
William P. Goettlicher, Geography and Environmental Studies **
Andrea S. Goodried, English
~~Cecilia Gorrichategui-Diaz, Communication/Spanish~~
Louis J. Grimaldi, Political Science
Janet M.B. Grothe, Communication
Judith E. Gustafson, Psychology
Angelika G. Hackl, Communication
~~Jeanette Y.M. Haddock, Biology~~
~~Debra A. Hagaman, Psychology~~
Cum Laude
Cynthia L. Hahn, Communication
Brian D. Hanrahan, History/English
Magna Cum Laude, with highest distinction in history
Edward A. Hanrahan, History/English
Janice M. Harris, Communication
~~Linda S. Harris, Psychology~~
Susan M. Hays, Psychology
Kay I. Heaberlin, Communication
Freda L. Henderson, Distributed Studies
Therese J. Herbst, Political Science **
Kevin M. Herdt, Biology
Christine M. Hernandez, Psychology **

Michael W. Hester, Geography and Environmental Studies
Thomas C. Hiatt, Political Science
Cum Laude
Julia P. Hill, English
Gerri D. Humberger, Psychology
Loretta A. Hoenig, Biology **
Cum Laude
Catherine G. Hoscheit, Geography and Environmental Studies
Carol M. House, Psychology **
Cum Laude
Robert J. Howard, Economics **
With high distinction
Wade A. Hudson, Economics **
With distinction
Maralee L. Huffman, Sociology **
Keith E. Igyarto, Economics
Marilyn D. James, History *
Clinton E. Jefferis, III, Psychology
Dian M. Jenkins, Psychology **
S. Leon Jesionowski, Communication
With highest distinction
Andrew M. Jinks, Psychology
Anne H. Johnson, Communication
Michael R. Johnson, Political Science *
Willa M. Kalbfliesh, Physics
Gregory N. Katz, Distributed Studies
Doris L. Kienitz, Biology
Evelyn A. King, Distributed Studies
Kevin S. King, Communication
Magna Cum Laude
Melanie M. Kinlaw, Psychology *w/ high Dist*
Diane M. Klein, English **
Deborah J. Kliche, History/Sociology
Gwendolyn J. Klimiuk, Spanish
Melissa L. Klingensmith, Psychology *with hon*
James B. Knight, History
Daniel J. Koch, Chemistry (B.S.) *w/ highest Dist*
Tammy J. Kowalezyk, History
Rebecca J. Krause, Communication *
Sandra L. Kubitschek, Psychology
Elaine M. Kunzman, Psychology **
Cum Laude
Mary C. Kvaternick, Psychology **
Cum Laude
Valeria J. Kvaternick, Chemistry
Melissa T. Lampe, Communication
Michael P. Larkin, Geography and Environmental
Studies/Anthropology
Lori D. Lawrence, Sociology **
Carla J. Lee, Communication **
Randy D. Lee, Geography and Environmental Studies
Valerie J. Leno, Fine Arts
Carol Lindell, Communication *
Cum Laude, with high distinction
Heather M. Lopez, Psychology
Cherie S. Lowenberg, English **
Dale H. Lucky, Psychology **
Kirsten A. Lunghofer, Psychology
Lara J. Maas, Biology/Psychology
Dominic G. Madril, Biology **
Kristina K. Mamos, Psychology **
Ronald G. Manning, Biology
Cum Laude, with highest distinction
Stacey L. Martin, Communication **
Doreen R. Martinez, History
Glen Martinez, Sociology
Christy D. Massey, Psychology
Heather A. Masten-Stahlnecker, Sociology **
Cum Laude, with highest distinction
Amanda K. Matejka, Sociology
Michele Maurine, Sociology
Richard P. McClintock, Distributed Studies
Glen S. McConville, Biology **
Julia K. McDaniels, Psychology
Jody L. C. McGowan, Psychology

Dawn L. McIntire, Sociology **
Kathleen McIntyre, Communication **
Stacy L. Mc Kiernan, Biology
Brian M. McRoberts, History
Scott T. McWhorter, Economics
Patricia A. Meade, Distributed Studies
Magna Cum Laude
Mary E. Melcher, Psychology
Anastasia M. Melzer, Psychology **
Summa Cum Laude
Susan M. Metzler, Sociology
Kelly R. Meylan, Political Science
Laura L. Midkiff, Sociology **
Elaine L. Miles, Biology
Magna Cum Laude
Joseph O. Miller, History *
Stacy C. Miller, History **
Lori R. Miskel, Communication
William R. Mitcham, Sociology **
William C. Mitchell, Political Science **
Janet L. Molen, History **
Cum Laude
Virginia M. Montgomery, English
Michael W. Moore, Sociology
Michael W. Moran, Communication
Gary A. Morgan, History/Sociology
Patricia L. Morgan, Psychology
Magna Cum Laude
Michelle L. Munroe, Psychology
Matthew G. Munster, History
Margery A. Myers, Communication **
Nancy S. Nelsen, Communication **
Marcia A. Nelson, Psychology *
Linda R. Nesti, Communication
Rocco Nestola, Communication
Marisa L. Neuzil, Anthropology
Cum Laude, with highest distinction
Steven K. Newstead, Distributed Studies **
Marta D. Nieburg, Communication
Jean L. Nordberg, Psychology *
Rebecca S. O'Neill, Economics
Charla P. Ogaz, Philosophy
Cum Laude, with highest distinction
Rick D. Ogilvie, History
Holly L. Oliver, Distributed Studies **
Marcella L. Olson, Psychology
Eric Oltmann, Political Science
James E. Osborne, Fine Arts
Maureen K. Parrish, Chemistry
Peter F. Patchen, Fine Arts **
Magna Cum Laude, with high distinction
Kari L. Patrick, Psychology
Anna L. Pelletier, Fine Arts
Catherine A. Pellow, Psychology *
Leola A. Peterson, Communication **
Dawn A. Petty, English
Vicki L. Phillips, Distributed Studies
Cum Laude
Shannon M. Piard, Distributed Studies
Magna Cum Laude
Janice H. Pierce, Psychology
Awarded Posthumously
Michael R. Pipe, Psychology **
Cora V. Pizzitola, History
Magna Cum Laude, with highest distinction
Lois J. Polliard, Psychology **
Summa Cum Laude
David R. Pratt, Psychology
Norman D. Prettyman, Distributed Studies **
Cum Laude
Alan T. Price, Chemistry (B.S.) *w/ high Dist*
Joan M.D. Price, Fine Arts *
Janette G. Prosser, History
James A. Pulciani, History
Evelyn M. Pumphrey, History
Cum Laude

David R. Midas
Clifton L. Moody **
Garrett J. Morgan **
Jean M. O'Keefe **
Joseph D. Ostmeyer **
Lawrence S. Pann
Celia D. Patterson *
Gregory J. Peters
Helen B. Poole
John R. Pope

Julie A. Reid
Janet L. Rosacker
Elizabeth M.H. Ryerse
Scott Santa Cruz **
Stacey E. Schafer
Cathleen M. Schmitt **
Barry S. Schultz
Bruce A. Shapiro **
Girish C. Sharma
Lawrence E. Starbuck **

Timothy Sullivan
John E. Townsley
Glen Vaccaro
Norine L. Vunovich
Page E. Walker **
John C. Wei **
Thomas G. Weikert *
Kathleen J. Weiner **
Russell W. Wekamp
Denise A. Welmon **

Laura M. Wenker
Deneise P. White **
Marguerite M. Wilaby
Nancetta R.W. Williams
William B. Winnick
Ronald C. Winter **
Robert O. Wish
Sally R. Wood **
Michelle K. Zimmerman

GRADUATE SCHOOL OF PUBLIC AFFAIRS

Marshall Kaplan, Dean; James A. Null, Acting Resident Dean

THE DEGREE MASTER OF PUBLIC ADMINISTRATION

Russell A. Anderson **
Lisa M. Bigelow
William C. Dailey, Jr.
Robert J. Delar
Shirley A. Ermel *
Brian S. Galpin
Cheryl D. Gillaspie *

Musette R. Grage **
Helena M. Grenardo **
Karen T. Hibbert
Kenneth Johnston
Nancy J. Kellner **
Kerry S. Leftwich
Woodrow Longmire

Dawn E. Moffit *
Barbara J. Newberry
Juan M. Ortega
Terrance E. Pittman
Phyllis Y. Poyhonen
Louise A. Quinn
Jeremy A. Reed

Leonard Riley II
Audrey K. Sheffield
Paul S. Sherbo **
Steven E. Stock

GRADUATE SCHOOL

Merrill J. Lessley, Resident Dean

THE DEGREE OF MASTER OF ARTS

Tamara D. Adams, Education *
Paula S. Allen, Education *
Carol A. Ashmore, Education *
Deborah A. Batt, Education **
Richard W. Baughman, Education **
Patricia A. Beard, Special Education
Joanne D. Behrens, Education *
Linda C. Bellinghausen, Education *
Kathleen A. Boeke, Education *
Larry B. Borchik, Education **
Eleanor J. Bowens, Education *
William H. Bray, Education *
Karen A. Brooks, Education *
Elizabeth K. Bunting, Counseling and Human Services
Gerald A. Califano, Education *
Janet L. P. Cardon, Sociology
Francis E.J. Chan, Curriculum and Instruction
Paula J. Cooper, Special Education
Wendell D. Cooper, Education *
Donna R. Deis, Education *
Teresa L. Diamond, Education *
Carrie K.F. Diedrich, Special Education
Maureen A. di Stasio, Counseling and Human Services
Barbara F. Dwors, Education *
Steve R. Espinoza, Education *
Lisa M. Farrell, Education **
Phyllis C. Feaster, Curriculum and Instruction
Peggy J. Fink, Education *
Elizabeth A. Flesche, Education *
Gerard M. Flores, Education *
Jeffrey R. Flygare, Special Education
Joanna M. Frost, Curriculum and Instruction
Debra S. Gentile, Curriculum and Instruction
Susan L. Goodbar, Counseling and Human Services
John R. Hall, Education *
Charlotte M. Heitz, Education *
Paula L. Hess, Education **
Steven R. Hickory, Counseling and Human Services
Deloris L. S. Hugill, Education *
Carol A. Husk, Education *
Terry L. Jackson, Counseling and Human Services
Janice L. Johnston, Education *

Charles L. Judy, Education **
Gail I. Kahl, Education **
Arlene W. Karlin, Counseling and Human Services
Tamela J. O. Kaufman, Counseling and Human Services
Judith S. Kay, Education **
Renee C. Kayser, Curriculum and Instruction
Thomas P. Kelly, Education *
Brenda K. King, Counseling and Human Services
Robert L. Kirby, Sociology
Carole A. Klingler, Education *
RoseAnn Knobbs, Education *
Mary A. Labesky, Education *
Richard T. Lageose, Counseling and Human Services
Michele L. Laidlaw, Education **
Jeri K. Lapp, Education *
Elizabeth P. Lawson, Education **
David L. Litvak, Education **
Linda S.L. Maher, Counseling and Human Services
Brenda T. Manuel, Education *
Kevin K. Marshall, Curriculum and Instruction
Irene B. Martinez, Education *
Evelyn R. McCort, Education *
Pamela A. McInturff, Special Education
Susan K. Merritt, Education *
Nora L. Michelli, Education *
Teresa A. Millman, Education *
Cynthia L. Molello, Education **
Patricia M. Mooney, Education *
Harvey S. Newton, Sociology
Lynn D. Nield, Counseling and Human Services
Diane K. Polzin-Shaul, Education *
Cynthia A. Poppe, Education *
Carol L. Powell, Education *
Kirk D. Powell, Counseling and Human Services
Julie L. Purkiss, Education *
Rubetta M. Ridderhof, Education *
Paul A. Romero, Sr., Curriculum and Instruction
Joseph N. Royer, Curriculum and Instruction
Michel A. Schadt, Education *
Jane E. Schissel, Education *
Diana R. Schonberg, Education *
Michael J. Shaff, History

Lorraine E. Sloma-Konicki, Counseling and Human Services
 Linda S. Smith, Education *
 Mark C. Sonovich, Special Education
 Cay M. J. Spitzer, Education *
 Pattie A. Stewart, Special Education
 Rhonda L. Swartzendruber, Education *
 James R. Thaner, Education *
 Steve Tomes, Curriculum and Instruction
 John D. Ulferts, Special Education
 Richard E. Valdez, Education *
 Diana S. vonHoldt **

Karen A. Wadleigh, Education *
 Kathleen D. Waidlich, Counseling and Human Services
 Georgeanna H. Wielkoszewski **
 Linda J. Wiepking, Education *
 Michael B. Wilcox, History
 Lynne A. M. Williams, Education *
 Kathleen C. Wishart, Education *
 Nancy L. Yoder, Curriculum and Instruction
 Janis K. Zellmer, Education *
 Theresa C. Zimney, Education *

THE DEGREE MASTER OF BASIC SCIENCE

LACE ADD - Lance A. Davis
 1-14-92

Lance A. Davis
 Matthew W. Haile *

Hal A. Huggins *
 Douglas L. Hugill

Valerie G. Rutizer
 John S. Ware

THE DEGREE MASTER OF SCIENCE

Mala Acharya, Electrical Engineering
 Ashu Bakhle, Electrical Engineering
 John P. Beca, Computer Science
 Gordon A. Black, Computer Science
 Ronald W. Broome, Computer Science
 Daniel Cole, Computer Science
 Kevin E. Cronk, Computer Science
 Timothy L. Deaver, Electrical Engineering *
 Arturo Dimalanta, Computer Science
 Ya-Shu C. Feng, Computer Science
 Sherlynn E. Klein, Computer Science **
 Jitu Kulkarni, Electrical Engineering
 Jeffrey G. Le Page, Physics *

Jane E. Mataich, Computer Science **
 Lynn V. Mattie, Electrical Engineering
 Cliff McCullough, Electrical Engineering
 Jason Moore, Computer Science
 Thomas J. Moos, Computer Science **
 Lisa J. Nafzinger, Computer Science **
 Michael Pararas, Electrical Engineering *
 Shrikant, Patil, Electrical Engineering
 Kevin Rishavy, Electrical Engineering **
 Irvin Rynning, Applied Mathematics
 Leon C. Scott, Jr., Computer Science **
 Steven E. Sharp, Computer Science *

Phyllis L. Smith, Computer Science
 Juan C. Soto, Jr., Computer Science
 Ed Strauch, Electrical Engineering **
 Jordan L. Strub, Computer Science
 Paul Swann, Computer Science
 Donna J. Tannehil, Applied Mathematics
 Linda S. Tully, Computer Science *
 David G. VonBank, Computer Science **
 Dale Walz, Electrical Engineering **
 David L. Wheeler, Electrical Engineering *
 Mark J. Whitcomb, Computer Science *
 James Whitney, Computer Science

THE DEGREE MASTER OF ARTS IN PSYCHOLOGY WITH C.U. AT BOULDER

Cheryl A. Downey
 Leslie D. Egerman **

Donald D. Ellis
 Margaret E. Lohr

Michelle M. Merwin
 Susan J. Morison *

Glen A. Nix **
 Peter B. Philbrick **

THE DEGREE MASTER OF ENGINEERING IN SPACE OPERATIONS WITH C.U. AT BOULDER

Stephen C. Comfort **
 Lois M. Diggs
 Kenneth J. Ermandes **
 Scott F. Gruber

Richard E. Jones
 Peter C. Kurucz **
 John D. Lundy
 Gary K. Myers **

Jonathon L. Ortega
 James Perillat **
 Gale W. Satre

Martin J. Smith
 Joseph P. Trottnier
 Monica S. Young **

Ph.D. IN ELECTRICAL ENGINEERING

Keith R. Holstine
 "An Adaptive Finite Impulse Response Algorithm For Error Reduction in Repetitive Tracking Systems"

Daniel J. Stech **
 "A New Approach For The Solution Of Optimal Control Problems On Parallel Machines"

Randy L. Turcotte **
 "Statistical Characterization Of The Modified Biperiodogram For Small Sample Sizes"

* Graduated August 1990 ** Graduated December 1990

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

CANDIDATES FOR COMMISSION

Second Lieutenant, United States Army

Charles H. Auer
 Jose A. Bonilla

Scott A. Davis
 Christopher A. Gruber

Shawn M. Kelly
 Matthew G. Munster

Patrick D. Schertler
 Adam R. Tasca

HONORARY DOCTOR OF HUMANE LETTERS

STARR GIDEON KEMPF

Starr Gideon Kempf is a world renowned artist whose large scale, wind activated mobile sculptures have attracted the attention and wonder of thousands of people of all ages.

Mr. Kempf graduated from the Cleveland Institute of Art in 1953 and has since gained wide acclaim for his metal and bronze sculptures, his paintings, and for his work as a novelist and playwright. His bronze sculptures, of which he makes only seven and then breaks the mold, have been compared favorably with the best of the old European bronzes.

Several years ago, he began his creative sculpture garden on his lawn with Cheyenne Canyon as a backdrop. Tour buses and elementary school classes visit continually to view the monumental wind sculptures move dramatically with the wind. Often, he will play classical music, creating a

moveable feast of sight and sound which leaves the visitor with an indelible image of Mr. Kempf's environmental art.

He has willingly shared his considerable technical and aesthetic expertise with the community. Although he has invented tools and processes to create his innovative art, he has openly shared knowledge he has accumulated in his lifetime in the arts. His nearly encyclopedic knowledge of metal working processes and bearing surfaces is a resource unparalleled in this region.

In celebration and recognition of his mastery of fine arts and for his dedication, commitment and untiring efforts to support the arts and art appreciation, the Board of Regents is pleased to present Starr Gideon Kempf with the degree, Doctor of Humane Letters, *honoris causa*.

UNIVERSITY OF COLORADO MEDAL

SIDNEY R. ROSEN

Sidney R. Rosen's lifelong devotion to teaching students how to play and enjoy music began soon after his graduation from the University of Colorado in 1950.

For the past 40 years, 20 of which he taught at Pueblo Central High School, he has been recognized by peers and parents for his outstanding dedication to furthering his students' interest in music.

His accomplishments and recognition speak well of the training he obtained at CU and his dedication to his art. He is continually consulted by young music educators and has had a long-term impact on many of his students who also sought careers in music.

Mr. Rosen has played in and served as guest conductor of the Pueblo Symphony Orchestra. Although he retired from teaching in 1975, he has remained active in musicians associations and in the band and symphony community in Colorado. He recently has taken a position as director of the

Pueblo Municipal Band.

Mr. Rosen has served in many offices for the American School Band Directors Association. He earned the Earl Irons Award from Phi Beta Mu for his contributions to music in Colorado; and, in 1985, he was the recipient of the Edward Franko Goldman Award for outstanding contributions to bands in America.

Among his friends and former students, he is remembered as the band teacher who gave personal attention to each student and who still recalls each student long after the young musician passed through his classroom. Puebloans affectionately refer to him as "Mr. Music."

In recognition of his personal quest to reveal the enjoyment of playing and listening to music to countless youngsters and adults, the Board of Regents is pleased to present the University of Colorado Medal to Sidney R. Rosen.

1991 LEGISLATIVE AWARD

CHARLES E. BERRY

State Representative Charles E. (Chuck) Berry is currently serving his fourth term in the Colorado State House of Representatives. He is a graduate of the University of Colorado at Boulder where he earned his B.S. in 1972 and J.D. in 1975.

During his tenure as a representative from Colorado Springs, he has played an influential role in supporting Colorado's efforts to increase its commitment to higher education.

Mr. Berry served as Speaker of the House during the 1991 legislative session, and from 1986 to 1990 was the assistant majority leader. Of particular significance to the University

of Colorado has been his role as a negotiator and arbitrator when critical issues have surfaced in the House.

His leadership in analyzing issues and directing decisions toward closure were acknowledged by his colleagues when they elected him Speaker of the House.

He has supported the UCCS master plan to allow the campus to meet its role and mission. The university continues to benefit from his ability to set forth alternatives on behalf of his constituents and all of the citizens of Colorado.

It is appropriate, therefore, that Rep. Chuck Berry be the recipient of the University of Colorado at Colorado Springs Legislative Recognition Award for 1991.

UCCS: A FAMILY AFFAIR

1990-1991 Graduates who have told us about members of their family who were enrolled at or graduated from UCCS. We honor those family members by listing their names and the extent of their involvement. We apologize in advance for any omissions.

- Patricia Hagerman Adair - B.S. Business 1990
 Brother: Melvin G. Hagerman - Enrolled 1986
- Shara Lee Alderton - B.A. History 1991
 Father: John F. Alderton - Enrolled 1981-87
 Brother: Enrolled 1982-83
- Deborah K. Andersen - B.S. Business 1990
 Husband: Christopher Thorpe - Enrolled 1984
- Jillian E. Anderson - B.A. Communications 1991
 Husband: Arlyn T. Anderson - Enrolled 1989-90
- Shelly Jeanean Stevens Angell - B.S. Business 1990
 Husband: Eddie Walter Angell - B.A. Psychology 1986
 Brother: Marc S. Stevens - Enrolled 1989-91
- Paula Bacchus - B.A. Spanish 1991
 Husband: Gerardo Bacchus - Enrolled 1989-91
- Kristine R. Bernard - B.S. Business 1990
 Sister: Karen A. Bernard - Enrolled 1990-91
- Lisa M. Bigelow - M.P.A. Public Administration 1991
 Step-Mother: Marilyn Rothschild - B.A. Fine Arts 1980
- Amanda W. Biro - B.A. Psychology 1991
 Husband: Peter L. Biro - Teaching Certificate 1988
- Gordon Alexander Black - M.S. Computer Science 1991
 Wife: Tracy E. Brogan - M.B.A. Business 1985
- Michael K. Blanot - B.S. Business 1991
 Brother: Steven Thomas Abbott - Enrolled 1989-91
- Eleanor Bowers - M.A. Education 1990
 Mother: Ann Le Vert Hill - M.A. Education 1972
- Shahrzad F. Bozorgzad - B.A. Mathematics 1990
 Husband: Alireza Boroumand - B.S. Electrical Engineering 1989
- Dianna Denise Brown - B.A. Communication 1990
 Sister: Cynthia Marie Brown - B.A. Psychology 1987
 Enrolled Special Ed. 1989-91
- Gina Maria Burdi - B.A. Communication 1991
 Mother: Lynn Burdi - Enrolled 1988
- Candace L. Cline-Bales - B.A. Sociology 1990
 Sister: Amarylis Cline - Enrolled 1985-86
- Dennis Coakley - B.S. Business 1991
 Mother: Nancy Coakley - B.A. Sociology 1978
- Julie Joy Conrad - B.S. Applied Mathematics 1991
 Father: Gordon Wayne Conrad - M.B.A. Business 1971
- Paula J. Cooper - M.A. Special Education 1991
 Daughter: Laura J. Steinbach - B.S. Applied Mathematics 1982
- William Charles Dailey, Jr. - M.P.A. Public Administration 1991
 Wife: Sandra Schilling - Enrolled 1975-78 & 1981
- Thomas E. Davenport - B.S. Physics 1991
 Wife: Marcia J. Davenport - Enrolled 1989-91
- Marilyn K. Davis - B.A. English 1991
 Husband: Jesse W. Davis - Enrolled 1985
- Tim Deaver - M.S. Electrical Engineering 1990
 Wife: Kristi Ford Deaver - B.S. Business 1990
- George M. Depner - B.A. Geography & Environ. Studies 1991
 Brother: Martin Depner - B.S. Physics 1989
- Joanne Des Rochers - B.A. Communication 1991
 Daughter: Lisa M. Des Rochers - Enrolled 1987-91
- Aaron R. Divel - B.S. Business 1991
 Sister: Marcy Divel - Enrolled 1988-89
- Julie Doxey - B.S. Business 1991
 Sisters: Wendy Hsieh - Enrolled 1983-86
 Kelly Doxey - Enrolled 1990-91
 Brother-in-law: Cheng Hsieh - Enrolled 1982-88
- Timothy Thomas Duncan - B.A. Psychology 1990
 Sisters: Kitty D. Duncan - Enrolled 1985-86
 Kathryn A. Duncan Thomas - Enrolled 1990-91
- Timothy A. Earing - B.S. Business 1990
 Sister-in-law: Regina M.T. Sherwood/Earing - B.A. Anthropology 1991
- Sandra J. Davis Furcht - B.S. Business 1990
 Sister: Jo Ellen Davis - B.A. Psychology 1982
 Daughter: Kimberlee K. Furcht - Enrolled 1987-91
 Son: Douglas A. Furcht - Enrolled 1989
- Andrea Dewey Gibson - B.A. Communication 1991
 Husband: Frederick S. Gibson, Jr. - B.A. Distributed Studies 1981
- Greg Godec - B.A. chemistry 1991
 Sister: Diane Whitesell Belger - B.S. Business 1982
 M.B.A. 1987
 Brother: Danny Godec - B.A. Distributive Studies 1982
- Musette Renee Grage - M.P.A. Public Administration 1990
 Sister: Michele Grage Engle - B.S. Education 1981
 Brother-in-law: Wendell Engle - B.A. History 1980
 Teaching Certificate 1981
- Scott Timothy Grassinger - B.S. Electrical Engineering 1991
 Sister: Lisa Grassinger Ripple - B.S. Business 1989
 Brother-in-law: Brooks Allan Ripple - Enrolled 1987-91
- Robert M. Gravelle, Jr. - B.S. Electrical Engineering 1991
 Aunt: Gail Biedronski - B.A. Psychology 1982
 Uncle: Raymond Biedronski - B.S. Electrical Engineering 1984
- Glenn Gustafson - M.B.A. Business 1990
 Wife: Marion Gustafson - B.S. Business 1985
- Joseph K. Hall - M.B.A. Business 1991
 Wife: Susan Hall - Enrolled in MBA program 1991
- Freda L. Henderson - B.S. Business 1991
 Sons: Kelly D. Henderson - Enrolled 1982-83
 Terry D. Henderson - Enrolled 1989
 Brother-in-law: Russell Ramey - Enrolled 1971-72
- Maralee L. Huffman - B. A. Sociology 1990
 Sister: Gayle Huffman-Bowyer - Enrolled 1989-91
- Deloris S. Hugill - M.A. Education 1990
 Sons: Douglas L. Hugill - B.S. Education 1984
 M.B.S. Basic Science 1991
 Daniel J. Hugill - Enrolled 1985
- Douglas L. Hugill - M.B.S. Basic Science 1991
 Mother: Deloris S. Hugill - M.A. Education 1990
 Brother: Daniel J. Hugill - Enrolled 1985
- Carol Ann Husk - M.A. Education 1990
 Husband: Dennis C. Husk - Attended 1989
- Linda Julich - B.S. Business 1991
 Husband: Michael C. Julich - Enrolled 1969-70
- James Kraig Kahler - M.B.A. Business 1990
 Wife: Karen Kahler - Attended 1989-90
- Greg N. Katz - B. A. Distributive Studies 1991
 Mother: Patricia Valentine-Katz - Enrolled Cont. Ed. 1990
 Sister: Marcy Katz - Enrolled 1990-91
- Kyle Rawlinson John Keefe - B.S. Applied Mathematics 1990
 Sister: Colleen Marie Keefe - Enrolled 1977-79
 Brothers: Joseph Patrick Keefe - Enrolled 1976
 Shane Rankin Keefe - Enrolled 1979-81
- Thomas Kelly - M.A. Education 1990, Type D 1991
 Wife: Paula Kelly - Gerontology Certificate 1991
- Lisa La Von Kenty - B.S. Business 1991
 Father: Roger Collins - Enrolled 1986-88
 Sister: Carmen Collins Greene - Enrolled 1988-89
- Kevin Scott King - B.A. Communications 1991
 Sisters: Kimberly Anne King - Enrolled 1987
 Stephanie K. King - 1990-91
- Michael D. King - B.S. Computer Science 1991
 Brother: Allan K. King - Enrolled 1990
- Diane M. Klein - B.A. English 1990
 Brother: Nicholas Zednik - Enrolled 1988-91
- Melissa Lynne Klingensmith - B.A. Psychology 1991
 Husband: Joe Klingensmith - B.S. Business 1990
 Mother: Sharon Munding - Enrolled 1980-86
 Brother-in-law: Mark Klingensmith - B.S. Electrical Engin. 1985
- Rose Ann Knobbs - Education B.S. 1979, M.A. 1990
 Daughter: Deanna M. Knobbs - B.A. Psychology 1990
- Charles Edward Kovac - B.S. Electrical Engineering 1991
 Father: Charles Earnest Kovac - Cont. Ed. 1980-85
- Andrew J. Kovalovsky - B.S. Electrical Engineering 1991
 Wife: Karin P. V. Kovalovsky - Enrolled 1988-91
- Mary Christine Kvaternick - B.A. Psychology 1990
 Sister: Valerie Jean Kvaternick - B.A. Chemistry 1991
 Brother-in-law: Jeff Randall Mora - B.A. Biology 1990
 Father: William D. Kvaternick - Enrolled Cont. Ed. 1983
- Valerie Jean Kvaternick - B.A. Chemistry 1991
 Husband: Jeff Randall Mora - B.A. Biology 1990
 Sister: Mary Christine Kvaternick - B.A. Psychology 1990
 Father: William D. Kvaternick - Enrolled Cont. Ed. 1983
- Kenneth R. Le Crone - B.S. Business 1990
 Wife: Kathleen A. Lopez Le Crone - B.A. Political Science 1990
- Ronald G. Manning - B.A. Biology 1991
 Wife: Pat Schoenborn Manning - Enrolled 1990-91

Kevin K. Marshall - M.A. Curriculum & Instruction 1991
 Wife: Debra G. Marshall - Enrolled 1989-91
 Brother: Jeffery B. Marshall - B.A. Biology 1989
 Sister-in-law: Tamra Gerber Dickens - M.A. Education 1988
 Brother-in-law: Andy Dickens - M.A. Education 1987
 Heather A. Masten-Stahlnecker - B.A. Sociology 1990
 Father: Terry Masten - Enrolled 1990-91
 Stacy L. McKiernan - B.A. Biology 1991
 Sister-in-law: Leslie Lindsay, B.S. Finance 1988
 Aunt: Sharon McKiernan, B.A. Psychology 1978
 Brian M. Mc Roberts - B.A. History 1991
 Fiancee: Leslie A. Lindenberger - B.A. Communications/Psychology 1989
 Sister: Michelle T. Mc Roberts - Enrolled 1990
 Mother: Margaret S. Mc Roberts - Enrolled 1980-81
 Father: Eric B. Mc Roberts - Enrolled 1969-70
 Patricia Brotherton Meade - B.A. Distributed Studies 1991
 Husband: Donald Bruce Meade - Enrolled 1971
 Sisters: Jacqueline Beach - Enrolled 1987-88
 Pamela Brotherton Reilly - B.A. Distributed Studies 1991
 Brothers-in-law: Robert F. Straeb - Enrolled 1975-78
 Russell Beach - Enrolled 1984
 James Reilly - Enrolled 1984-86
 Elaine Louise Miles - B.A. Biology 1991
 Mother: Maria S. Miles - Enrolled 1982-87
 Father: Patrick L. Miles - M.P.A. Public Administration 1977
 Alison G. Milligan - B.S. Electrical Engineering 1990
 Husband: Michael K. Milligan - Attended 1989
 Lori R. Miskel - B.A. Communication 1991
 Father: Harold E. Miskel - B.S. Business 1972
 Amy Louise Halvorson Montoya - B.S. Business 1991
 Husband: Thomas P. Montoya - M.S. Elec. Engineering in Aug. 1991
 Garrett J. Morgan - M.B.A. Business 1990
 Wife: Karen K. Morgan - Attending 1989-91
 Susan Morton - B.S. Business 1990
 Husband: James Morton - B.S. Business 1983
 Margery Ann Myers - B.A. Communication 1990
 Husband: Peter Rawley Myers - B.S. Electrical Engineering 1988
 Barbara J. Newberry - M.P.A. Public Administration 1991
 Son: Brian Newberry - Enrolled 1987
 Peter Frank Patchen - B.A. Fine Arts 1990
 Wife: Mary Patchen - B.S. Business 1986
 Gina Renee Payton - B.S. Business 1991
 Sister: Tonya D. Payton - B.S. Education 1978
 Anna Lucia Pelletier - B.A. Fine Arts 1991
 Husband: Charles Phillip Pelletier - Enrolled 1972
 Rodney J. Pesavento - B.S. Electrical Engineering 1991
 Brother: Kenneth L. Pesavento - B.S. Business 1987
 Lois Jayne Polliard - B.A. Psychology 1990
 Daughter: Michelle D. Quaney - M.A. Education 1988
 Joan Mary Daniel Price - B.A. Fine Arts 1990
 Daughter: Kelly Price - Enrolled 1991
 Nancy Reese - B.S. Business 1991
 Sister: Laura Reese Watt - B.S. Business 1990
 Julie A. Reid - M.B.A. Business 1991
 Sister: Becky Reid - B.S. Education 1978
 Pamela Brotherton Reilly - B.A. Distributed Studies 1991
 Husband: James Reilly - Enrolled 1984-86
 Sisters: Jacqueline Brotherton Beach - Enrolled 1987-88
 Patricia Brotherton Meade - B.A. Distributed Studies 1991
 Brothers-in-law: Donald Bruce Meade - Enrolled 1971
 Robert F. Straeb - Enrolled 1975-78
 Russell Beach - Enrolled 1984-86
 Brenda J. "Sunni" Reilman - B.A. Psychology 1991
 Daughter: Jenith Anne Cowley - Enrolled 1989
 Son: William Edward Cowley, IV - Enrolled 1988-89
 John David Reinecke - B.A. Communication 1991
 Mother: Suzanne Lee Reinecke - Enrolled 1980-81 & 1985-87
 Kimberly Gorrell Santa Cruz - B.S. Business 1990
 Husband: Scott Santa Cruz - M.B.A. Business 1990
 Scott Santa Cruz - M.B.A. Business 1990
 Wife: Kimberly Gorrell Santa Cruz - B.S. Business 1990
 Todd A. Schaap - B.A. Chemistry 1991
 Father: Conrad J. Schaap - Enrolled 1961-67
 Brother Curtis J. Schaap - B.S. Electrical Engineering 1987
 Troy Edward Schwent - B.A. Sociology 1991
 Wife: Marla J. Schwent - Enrolled 1988-91
 Darlene L. F. Sears - B.A. Fine Arts 1990
 Husband: Ralph W. Sears - B.S. Business 1971
 Daughters: Rebecca Lynn Sears - Enrolled 1974-76
 Jacquelyn Lou Sears - Enrolled 1975-76
 Diana Senko - B.S. Business 1990
 Sister: Laura M. Senko - Enrolled 1988-91
 Joanna J. Shaff - B.A. Political Science 1990
 Husband: Michael James Shaff - M.A. History 1991
 Michael James Shaff - M.A. History 1991
 Wife: Joanna J. Shaff - B.A. Political Science 1990
 Regina M. T. Sherwood-Earing - B.A. Anthropology 1991
 Husband: Curtis A. Earing - Attended
 Mother: Patricia A. Sherwood - Attended
 Brother-in-law: Timothy A. Earing - B.S. Business 1990
 Eric Smith - B.S. Computer Science 1990
 Mother: Annamarie Smith - B.S. Business 1982
 Michael A. Spahr - B.S. Business 1991
 Wife: Sandra L. Spahr - B.S. Business 1987
 Daughter: Diana M. Spahr - B.A. English 1989
 Cheryl A. Stanton - B.A. Spanish 1991
 Brother: Michael Stanton - M.A. Geography awarded Bldr. 1980
 Sister-in-law: Connie C. Fritz Stanton - B.S. Education 1976
 M.A. Education 1982, Type "D" Certificate 1987
 Daniel J. Stech - Ph.D. Electrical Engineering 1990
 Wife: Bernadette Stech - Enrolled in Fine Arts 1986-91
 Jordan J. Strub - M.S. Computer Science 1991
 Wife: Michele Strub-Heer - Enrolled 1986-91
 Vicki L. Tacey - B.A. Psychology 1990
 Husband: John J. Tacey - Enrolled 1974-77
 John Townsley - M.B.A. Business 1991
 Mother: Carol J. Townsley - Teacher Certification 1985
 Mary Traynor - B.A. Communication 1991
 Father: James S. Traynor B.S. Business 1989
 Don Philip Troutman - B.A. Fine Arts 1990
 Mother: Carol Jean Troutman - B.A. Psychology 1989
 Brother: Douglas E. Troutman - Enrolled 1987
 Paul Truong - B.S. Computer Science 1990
 Niece: Sandra N. Smith - Enrolled 1990-91
 Linda Sue Tully - M.S. Computer Science 1990
 Husband: William Thomas Tully - B.S. Electrical Engineering 1987
 Bruce Alan Vik - B.A. History 1990
 Sisters: Lori K. Vik Pearson - Enrolled 1981
 Lynette S. Vik - Enrolled 1986
 Denise A. C. Welmon - M.B.A. Business 1990
 Daughter: Heather Caporiccio - Enrolled 1991
 Arnell Wendlowsky - B.A. Communication 1991
 Wife: Terry Wendlowsky - Enrolled 1990-91
 Richard J. Westberg - B.A. Communication 1990
 Sister: Lisette R. Westberg - B.S. Business 1986
 Wife: Kimberly S. Dark - B.A. Sociology 1989
 Georgeanna H. Wielkoszewski - M.A. Education 1990
 Daughter: Amy F. Wielkoszewski - Enrolled 1989-90
 Son: Beau C. Wielkoszewski - Enrolled 1990
 Trevor Wieman - B.S. Electrical Engineering 1990
 Wife: Karen V. Espinoza Wieman - B.S. Computer Science 1989
 Sister: Tabatha Wheatley - Enrolled 1988-89
 Sister-in-law: Cindy Chavez - B.S. Business 1989
 Uncle: Alan Roskey - Enrolled 1987-89
 Marguerite M. Wilaby - M.B.A. Business 1991
 Brother: Marc G. Fuller - B.S. Business 1976
 Ronald C. Winter - M.B.A. Business 1990
 Wife: Cass Winter - M.P.A. Public Administration 1989
 Amy L. Wuorenmaa - B.A. Communication 1991
 Father: John Paul Wuorenmaa - M.A. Education 1976
 Rebecca Jo Zarada - B.A. Psychology 1991
 Husband: Robert J. Zarada, II - enrolled 1987-91

UCCS: THE FIRST 25 YEARS

On October 13, 1964, the Cragmor Foundation gave the University of Colorado 82.5 acres of land complete with three major buildings, some small cottages and a wealth of hospital furnishings and equipment. The following September, the University of Colorado at Colorado Springs opened its doors becoming, as English Professor Alexander Blackburn once quipped, "the only university to sprout from bacilli."

UCCS began teaching classes on September 20, 1965, to 282 students, many of whom had previously attended CU's Colorado Springs Extension Center. Those first students paid \$13 per credit hour for the privilege of attending an abandoned tuberculosis sanatorium which, as UCCS historian Douglas McKay notes, was "laden with beds, mattresses, benches, urinals, sinks, toilets, bathtubs, spittoons, physical therapy machinery and other treatment paraphernalia."

The campus boasted an annual budget of \$393,469. Library books were stored in bathtubs, and the first UCCS bookstore was the back of an administrator's station wagon. The first chalkboard erasers were pads stripped from sanatorium beds.

But for all of its inconveniences, the university was a welcome sight to a community which had long lobbied for its own publicly supported university. Colorado Springs saw UCCS as an investment in its future, and civic and business leaders repeatedly declared that the university held the key

to the region's future growth and prosperity.

Today, after 25 years, UCCS has grown to about 6,000 students and operates on an annual budget of about \$22 million. Most importantly, it has emerged as an important educational and cultural center as well as an engine for economic development.

Since 1985, for example, UCCS has constructed a \$9.2 million engineering building, completed a \$4.1 million expansion of the University Center, opened several centers of excellence and initiated an instructional television network. A Ph.D. program in electrical engineering has been established plus an intercollegiate athletic program featuring eight varsity sports competes at the NCAA Division II level.

In 1990, the Colorado Institute for Technology Transfer and Implementation was created by a \$3.1 million grant from the El Pomar Foundation. And earlier this spring, the Colorado Commission on Higher Education accepted a UCCS Academic Master Plan which will allow the university to expand its graduate programs, build a research park and construct residential housing on its 420-acre campus.

What once sprouted from bacilli has now become a vibrant university on the threshold of meeting an expanding mission and fulfilling its community's dreams. "Southern Colorado merits a metropolitan research university," says Chancellor Dwayne C. Nuzum, "and by the 21st century, UCCS should emerge as that institution."

Commencement Facts

- Until 1977, UCCS students marched in CU-Boulder's commencement
- Graduates were honored with a "recognition ceremony" on campus in 1975 and 1976.
- The first UCCS commencement was held at the Broadmoor International Center May 17, 1977.
- Professor Paul Ballantyne has been the featured vocalist at every UCCS commencement.
- 7,988 students have received degrees since UCCS began holding commencement ceremonies; 9,582 have graduated from UCCS in its 25-year history.

UCCS HONORARY DEGREE RECIPIENTS

DOCTOR OF HUMANE LETTERS *honoris causa*

1977 Angelo di Benedetto
1978 Marshall Sprague
1979 Lowell Thomas
1981 Paul Engle
Hualing Nieh
1982 I. Ignacy Goldberg
1983 Frank Waters
1985 Anne Pellowski
1986 Johnny Smith

1987 Joanne Greenberg
1990 Leonard von Bibra Sutton
1991 Starr Gideon Kempf

DOCTOR OF SCIENCE *honoris causa*

1980 William Gould Dow
1988 James M. Beggs

DOCTOR OF ENGINEERING *honoris causa*

1984 Charles Huron Kaman

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 UNIVERSITY SEAL

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.

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."

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 doctoral degree from the University of Colorado wear hoods lined with the school colors, silver and gold. The hood worn by the doctoral 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. *Summa Cum Laude* and special honors candidates will wear gold honor cords.

ACKNOWLEDGEMENT

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