

8-8-1970

Clemson Commencement Program, August 1970

Clemson University

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CLEMSON UNIVERSITY

Graduating Exercises

August 8, 1970

Clemson, South Carolina

GRADUATION

Saturday, August 8, 1970

11:00 A. M. Littlejohn Coliseum

Order of Ceremonies

(Audience will please stand as candidates march in and remain
standing for the Invocation)

Invocation

The Reverend Charles E. Raynal
Pastor, Fort Hill Presbyterian Church
Clemson, South Carolina

Conferring of Degrees and Delivery of Diplomas

President Robert C. Edwards

Benediction

Mrs. Edith B. Card, Organist

CANDIDATES FOR BACHELORS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

BACHELOR OF SCIENCE

Agricultural Economics

Charles Michael Cornish Greenville Robert Marvin Segars Darlington
Roger William Mudd Bennettsville

Agronomy

Samuel David Bass, Jr. Bennettsville Willibough Wilkerson Whaley, Jr. Marion
Bates Riley Houck Cameron

Biology

Harvey Allan Brand Charleston Edward Francis Irick III Columbia
Keith Darwin Chandler North Charleston Gary Thomas Moore Sumter
Thomas Grattan Gambill Fayetteville, N. C. Kenneth William Schneider Clifton, N. J.
Suzanne Elizabeth Harte Beaufort John Edward Settle, Jr. Hopkins
James Morrison Hills, Jr. Georgetown Dale Lindenberg Theiling Charleston

Dairy Science

Richard Francis Classey Guelph, Ontario Harvey Smith Peeler, Jr. Gaffney
Henry Raymond Jameson Orangeburg

Entomology

Richard Scott Needham Milford, Conn.

Horticulture

Thomas Lewis Blake Burgaw, N. C. Frederick Post Aiken
George Morrell Matawan, N. J.

COLLEGE OF ARCHITECTURE

BACHELOR OF ARTS

Pre-Architecture

Emma Jean Jackson Marion

BACHELOR OF SCIENCE

Building Construction

*William Everette Cline, Jr. Elnora, N. Y. Thomas Ferguson Rowand Oaklyn, N. J.
Thomas Edwin Grimes III Columbia Donald Edward Rutland North Augusta

BACHELOR OF ARCHITECTURE

Warren Willingham Gresham Spartanburg William Bailey Kauric Columbia
Gregory Scott Hyatt Wayne, Pa. Peter Edwin Sherratt Toms River, N. J.

COLLEGE OF EDUCATION

BACHELOR OF ARTS

Elementary Education

*Rachel Ann Byrd Greenville Sandra Stevens Harper Clemson
Carole Rebecca Cone Denver, Colo. **Susan McCartney Shelton Asheboro, N. C.

Secondary Education

Katherine DuPre Belcher ..	New Orleans, La.	Martha Anne Matteson McKinney ..	Greenville
Ruth Marthalynn Butts	Westminster	Euyless Edwin Miller, Jr.	Walhalla
William Ronald Cann	Anderson	*Ottie Johnson Muschick	Mt. Pleasant
*Janice Roberts Goldstein	Greenville	John David Traynham	Ware Shoals
Robert Henry Hurray ..	North Plainfield, N. J.	Kathryn Bowen Weaver	Anderson
Michael Charles Kasha	Brooklyn, N. Y.		

BACHELOR OF SCIENCE

Agricultural Education

(Agricultural Education is jointly administered by the College of Agriculture and Biological Sciences and the College of Education.)

George William Bell, Jr.	Clinton	Jacob Sidney Riser	Bowman
Arthur Ray Nichols	Saluda	Fred Simmons Wilkins, Jr.	Blacksburg

Industrial Education

Timothy Charles Daley	Inman	Colin James Urquhart	Orange, N. J.
Henry Russell Spivey	Clemson		

Science Teaching

Joseph Woodward Kelly, Jr. Greenville

COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE

Ceramic Engineering

Richard James Bennett	Laurens	David Mark Myers	Ashland, Ohio
Vernon Winfred Moore, Jr.	Andrews		

Chemical Engineering

William Wightman Culler	Orangeburg	Danny Allen Rawl	Woodbine, Ga.
William Plumer Jacobs, Jr.	Clinton		

Civil Engineering

John Paul Bolter	Anderson	Glen David McDowell	Willow Grove, Pa.
Michael Glynn Holder	Jacksonville, Fla.	Robert Bruce Richards	Spartanburg
Charles Robert Johnson ..	Haddonfield, N. J.	*Michael Lane Sweeney ..	Jacksonville, Fla.

Electrical Engineering

Kenneth Wayne Chapman	Little Mountain	*William Joseph Peters	Spartanburg
James Robert Duncan, Jr.	Baltimore, Md.	Kenneth William Schmidt	Baldwin, Md.
Marion Edward Frick	Chapin	Robert Todd Smathers	Greenville
Robert Mann Hartley	Mt. Pleasant	*Peter Kam-Chuen Tang	
John Davis Hightower, Jr.	Decatur, Ga.		Aberdeen, Hong Kong

Mechanical Engineering

Thomas Blackmon Carter, Jr.	Rock Hill	Churchill Carroll Powers	Bennettsville
Richard Allen Hager II	Hartsville	Hugh Edward Redick	Bishopville
Henry Grady Hart, Jr.	Simpsonville	John Charles Rickard	Spartanburg
Larry David Philpott	Walhalla	Steven Howard White	Macon, Ga.

Metallurgical Engineering

James Harvey Witherspoon III Greenville

COLLEGE OF FOREST AND RECREATION RESOURCES

BACHELOR OF SCIENCE

Forestry

John Harry McDaniel, Jr.	Pickens	John Buchanan Tamsberg	Charleston
Thomas Scott Sult	Anderson		

Recreation and Park Administration

Thomas Croswell Baskin, Jr.	Charleston	Kenneth Michael Kirkpatrick	Fort Lawn
Douglas James Blattmachr		Larry Clyde Langley	Travelers Rest
.....	Garden City, N. Y.	Julius Marcellus LaRoche	Gray Court
Dewey Keese Bowen	Westminster	James Fletcher Maness	Annandale, Va.
George Price Burnett III	Atlanta, Ga.	James Lloyd Mays	Allendale
Edward Joshua Collins, Jr.	Belvedere	Richard Douglas Medlin	Williamston
Travis Stanley Dawkins	Greenwood	Frederick Jacob Snell, Jr.	
Judson Hood Drennan III	Rock Hill	Tarpon Springs, Fla.
James Robert Faulkner, Jr.	Greenwood	Jack Allen Stroud, Jr.	Spartanburg
John Henry Fulmer III	Orangeburg	William George Tillman	
Ronald Eugene Gray	Allendale	Balboa, Canal Zone
Frank Kennedy Holman III	Sumter	John Parnell Turner	Columbia
Daniel Cletus Horne	Columbia	Jack Lee Walters, Jr.	Columbia
Jackie Lee Jackson	Marion	Eugene Marshall West, Jr.	Marion

COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

BACHELOR OF ARTS

Arts and Sciences

Donald Paul Beaudoin	Greenville	Elton Thomas Fulmer	Williston
Stephen Salvatore Bruno	Cartersville, Ga.	Paul Frederick Hlubb, Jr.	Baltimore, Md.
Otto Clarence Burrell, Jr.	Greer	Harold Simon Iseman, Jr.	Sumter
*Michael Verne Church	Greenville	Peter Edwards Nelson	Medfield, Mass.
James Harrison Cleveland	Seneca	Alfred Cleveland Nix	Seneca
Walton Albert Crosby	Yemassee	David Abraham Thomy	Sumter
James Larry Faulkenberry	Camden		

BACHELOR OF SCIENCE

Industrial Management

Steven William Baker	Lutherville, Md.	Jesse Broadus Littlejohn	Spartanburg
Joseph Richard Burton	Rock Hill	James Vernon Livingston, Jr.	Columbia
Samuel Ramsey Cain III	Union	Bernard Haywood Miller, Jr.	Chester
Bruce Curtis Chilcote	North Charleston	Christopher Cameron Milliken	
Malcolm Lane Craven	Florence	New York, N. Y.
James Elliott Foster, Jr.	Greenville	Daryle Durand Ogburn	Charlotte, N. C.
Ronald William Grooms	Lugoff	Ricky Vernon Priddy	Winston-Salem, N. C.
Harry Hyland Howard III		James Robert Sanders, Jr.	Gaffney
.....	West Orange, N. J.	Thomas Spaulding Shull, Jr.	Annapolis, Md.
Arthur Willis Jenkins	Mullins	Larry Glenn Skinner	Liberty
Milnor Paret Kessler, Jr.	Greenville	John Earl Wharton	Laurens
Bobby Nathan Key	Belton	Ricky Arnold Wisher	Rock Hill
William Olin Kirkpatrick	Florence		

Textile Science

James David Miller	Walhalla
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Textiles

Guy Bernard Leary III	North Augusta
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COLLEGE OF LIBERAL ARTS

BACHELOR OF ARTS

*Carroll Simms Anderson II — Frankford, Del.
 Judith Ann Bennett — Augusta, Ga.
 George John Bush — Columbia
 George Robert Campbell — Menlo Park, N. J.
 John Stevens Foote — Charleston
 Eugene Richard Hamilton — Cranford, N. J.
 James Roy Holcombe — Anderson
 *Cathy Dodds Joyner — Mt. Pleasant
 Mary Sojourner King — Richmond, Va.
 Robert Allen Liner, Jr. — Greenwood
 Robert Wayne Lorance — Isle of Palms
 James Douglas Mackintosh III
 — Burlington, N. C.
 John Daniel Mitchell — Anderson

Roger Lewis Mull — Easley
 Harold Bernard Powell, Jr. — Eglin AFB, Fla.
 Donna Frances Sammons — Greenville
 William Dawson Saverance, Jr.
 — Annandale, Va.
 James Wesley Scarborough, Jr. — Sumter
 Mark Anthony Sims — Greenville
 Raoul Lawrence Smith — Walterboro
 **Franklin Joseph Stephens — Walhalla
 James Robert Swindell — Newberry
 **Katherine Eggers Tillman — Edgefield
 Ray Lansing Wilson, Jr. — Dillon
 Michael Bryant Wingo — Inman
 Mildred Alene Woodham — Hartsville

COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

BACHELOR OF ARTS

Arts and Sciences

**Frances Lynn Laurey — Charleston Grover LaFoy Woods, Jr. — Pelzer

BACHELOR OF SCIENCE

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George Curtis Summerell — Florence

Geology

Eric Koester Garland — Climax, N. J. Heywood Obed Shirer — Sumter
 William James McKee, Jr. — Charleston James Murray Thompson, Jr. — Sumter
 Kenneth George Petrusky — Rahway, N. J.

Mathematics

Wilburn Legare Hutto, Jr. — Reevesville Theodore Price Shertzer — Baltimore, Md.
 *Deborah Wright Pridemore — Anderson

Physics

Athanasios George Sembos — Patras, Greece

Pre-Medicine

Jane Ellen Bartles — Rock Hill John Elbert Roberts III — Chester
 John Geoffrey Hunt — Washington, N. C. Theron Collier Smith III — Greer
 *Kathryn Walters Knoy — Bamberg Douglas Glenn Watters — Sebring, Fla.
 George Edward Richardson — Clemson Janieth Kristina Wise — Graniteville

*With honor

**With high honor

CANDIDATES FOR MASTERS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

MASTER OF SCIENCE

Agricultural Economics

Fred James Gassarway Donalds

Agronomy

Robert Patrick Gambrell Seneca

Animal Science

Richard Phillip Dellinger Marion

Entomology

James Joseph Poland Pittsburgh, Pa.

Horticulture

William Brunson Ballard	Clinton	Louise Carroll Knight	Beaufort
Marvin Singleton Cely, Jr.	Easley	Carroll Theodore Stephens	North Augusta
Grady Ansel King, Jr.	Clemson	Shing-ly Jocelyn Tsao	Taichung, Taiwan

Microbiology

Frank Matthew Dework, Jr. Clifton, N. J.

Nutrition

Howard David Guthrie II Kellogg, Iowa

Zoology

Ronald Lee Snow Morganton, N. C.

COLLEGE OF ARCHITECTURE

MASTER OF ARCHITECTURE

John Walter Wells, Jr. Lexington, Ky.

MASTER OF CITY AND REGIONAL PLANNING

Mahendra Hargovind Parekh..... Ghatkopar, Bombay

COLLEGE OF EDUCATION

MASTER OF EDUCATION

Elizabeth West Aiken	Easley	Suzanne Florence Lehotsky	Clemson
Charlotte Laverne Barrett	Selma, Ala.	Doris McMillan Littlejohn	Clemson
Shirley Jean Bonham	Seneca	Thomas Wesley McGinty	Cowpens
Helen Kaese Boucher	Rutherfordton, N. C.	Anne Knight Mullikin	Piedmont
Wilma Bonham Bowie	Chesnee	Elizabeth Larsen Neumeister	Charleston
Samuel Major Brock	Hodges	Sylvia Evans Nichols	Spartanburg
Hattie Eugenia Burts	Laurens	Roy Samuel Parker	Asheboro, N. C.
Margaret Wright Cain	Sumter	James Fredrick Reames, Jr.	Bishopville
Teryle Wilder Carpenter	Racine, Wis.	Russell Gordon Rice, Jr.	Teaneck, N. J.
Shirley Couch Chappell	Williamston	Sandra Floyd Riddle	Lake City
Carl Thomas Cloer, Jr.	Jacksboro, Tenn.	John Kelley Segars	Bishopville
Katherine Shannon DeVenny	Piedmont	Patricia Mae Snoddy	Greenville
William Ernest DeWitt	Darlington	Martha Nalley Stansell	Liberty
William Clayton Dillard	Seneca	Elizabeth Lewis Stanzione	Hartsville
Nancy Anderson Glackin	Anderson	Barbara Ballentine Stuckey	Easley
Margaret Lee Harden	Eastman, Ga.	Helen Ann Wild	North Charleston
Seth Schafer Heimlich	Timmons ville	Jane Williams Williams	Easley
Allan Lee Lang	Cincinnati, Ohio	Vivian Lee Wommack	Easley

MASTER OF INDUSTRIAL EDUCATION

Steward Lynwood Baylor	Kingstree	Harry Charles Golderer, Jr. --	Brevard, N. C.
Richard Martin Cash	Cowpens		

COLLEGE OF ENGINEERING

MASTER OF SCIENCE

Ceramic Engineering

David Taylor Ballenger Gray Court

Civil Engineering

Fulton Vandiver Clinkscales, Jr. ... Greenville

Environmental Systems Engineering

Edwin Clyde Banner III Salem, Va. Anderson Mills Kinghorn, Jr. Beaufort

COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

MASTER OF ARTS

Economics

John Doyle Corbin Enka, N. C.

MASTER OF SCIENCE

Management

Samuel Boyd Daniels, Jr. Dillon

Frederick Francis Forte Utica, N. Y.

Theodore Edward Jones, Jr. Anderson

Robert Edward Pruett North Augusta

William Carl Smyre, Jr. Columbia

Harry Houston Whitfield, Jr. Greenville

Robert Ray Wilson Anderson

Textile Science

Roland Lee Connelly Spartanburg

John Thomas Dukes, Jr. Waterloo

COLLEGE OF LIBERAL ARTS

MASTER OF ARTS

History

Ralph William French Ithaca, N. Y.

COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

MASTER OF SCIENCE

Chemistry

Barry Rufus Edwards Greenwood

Ralph Bruce Ferguson Graniteville

David Jack Stanford Atlanta, Ga.

Mathematics

Angela Gannon Buzzett Atlanta, Ga.

Joanne Rea Duvall Salem, Ohio

Carolyn Claire Freeman Dahlonega, Ga.

Margaret McArthur Griffin Williston

Physics

Henry Baxter Odom III Florence

Ernest Webster Sawyer Sophia, N. C.

CANDIDATES FOR DOCTORS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

DOCTOR OF PHILOSOPHY

Animal Physiology

Robert Stanley Thompson Brooklyn, N. Y.
B.S., California State Polytechnic College; M.S., Clemson University
Dissertation: The Fine Structure of Eight-Cell Bovine Embryos

Entomology

James Arnold Reinert Fairmont, Okla.
B.S., Oklahoma State University; M.S., Clemson University
Dissertation: The Interaction between the Indian-Meal Moth, *Plodia interpunctella* (Hubner) and Its Parasitic Wasp, *Bracon hebetor* Say

Zoology

Martin James Barrier Jonas Ridge, N. C.
B.S., M.S., North Carolina State University
Dissertation: Pesticide Residues in Selected Tissues of the White-Tailed Deer, *Odocoileus virginianus*, L., in Calhoun County, South Carolina

Larry Melvin Stearns Mobile, Ala.
B.S., Maryville College; M.S., University of Tennessee
Dissertation: An Experimental Study of Emergence and Larval Dispersal Behavior in the Indian Meal Moth, *Plodia interpunctella* (Huebner)

COLLEGE OF ENGINEERING

DOCTOR OF PHILOSOPHY

Engineering

Ronald Wayne Glass Manila, Ark.
B.S., University of Arkansas; M.S., Clemson University
Dissertation: A Study of On-Line Digital Computer Process Control and Its Improvement by Means of the Reflex Method for Empirical Optimization (Field of Specialization: Chemical Engineering)

Jerome John Klawitter, Jr. Niagara Falls, N. Y.
B.S., Alfred University; M.S., Clemson University
Dissertation: A Basic Investigation of the Growth of Bone into a Porous Ceramic Material (Field of Specialization: Bioengineering)

Chan F. Lam Kowloon, Hong Kong
B.S., California State Polytechnic College; M.S., Clemson University
Dissertation: Computer Analysis and Optimization of a Class of Nonlinear Systems (Field of Specialization: Electrical Engineering)

COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

DOCTOR OF PHILOSOPHY

Mathematics

Larry Stoddard Haw ----- Morrow, La.
B.S., University of Southwestern Louisiana; M.Ed., Louisiana State University; M.S., University
of Southwestern Louisiana
Dissertation: Factorization of Certain Convolution Algebras and Related Topics

Physics

Thomas Norman O'Neal ----- Clinton, Miss.
B.S., Mississippi College; M.S., University of Florida
Dissertation: Electron Irradiation Effects in Magnesia

Ronald John Repka ----- Chicago, Ill.
B.S., Loyola University; M.S., DePaul University
Dissertation: Electron Paramagnetic Resonance Studies of the V_k Center in Single Crystal Potassium
Rubidium and Sodium Iodide