

Eighty-Third

Annual Commencement

North Carolina State University at Raleigh

Additions	Subtractions	Errors
10	18, 27	12
20	36	13
22	37	14
24	38	18
29		20
32		25
33		30
34		33
35		34
39		35
44		37
74		41

Saturday, May 13

Nineteen Hundred and Seventy-Two

Degrees Awarded 1971-72

Musical Program

EXERCISES OF GRADUATION

May 13, 1972

CARILLON CONCERT: 8:30 A.M.
Miriam Bailey, Carillonneur

The Memorial Tower

COMMENCEMENT BAND CONCERT: 8:45 A.M.
William Neal Reynolds Coliseum

Procession of the Nobles _____ Rimsky-Korsakov

Overture to "Candide" _____ Bernstein

The Sinfonians _____ Williams

Overture for Band _____ Beyer

PROCESSIONAL: 9:15 A.M.

March Processional _____ Grundman

RECESSIONAL:

University Grand March _____ Goldman

NORTH CAROLINA STATE UNIVERSITY COMMENCEMENT BAND
Donald B. Adcock, Conductor

Marshals provided by Golden Chain and Alpha Phi Omega

The Alma Mater

Words by:

ALVIN M. FOUNTAIN, '23

Music by:

BONNIE F. NORRIS, JR., '23

Where the winds of Dixie softly blow
o'er the fields of Caroline,

There stands ever cherished N. C. State,
as thy honored shrine.

So lift your voices! Loudly sing
from hill to oceanside!

Our hearts ever hold you, N. C. State,
in the folds of our love and pride.

Exercises of Graduation

William Neal Reynolds Coliseum

May 13, 1972

PROCESSIONAL, 9:15 A.M. _____ Donald B. Adcock
Conductor, North Carolina State University Commencement Band

The audience is requested to remain
seated during the Processional.

PRESIDING _____ John Tyler Caldwell
Chancellor, North Carolina State University

INVOCATION _____ Oscar B. Wooldrige
Coordinator of Religious Affairs, North Carolina State University

ADDRESS _____ William D. Ruckelshaus
Administrator, United States Environmental Protection Agency

CONFERRING OF DEGREES _____ John Tyler Caldwell
Chancellor

Candidates for baccalaureate degrees presented
by Deans of Schools. Candidates for advanced
degrees presented by Dean of the Graduate
School. Candidate for honorary degree pre-
sented by sponsor.

ADDRESS TO FELLOW GRADUATES _____ Haywood Ray Sterling

ANNOUNCEMENT OF GOODWIFE DIPLOMAS _____

ANNOUNCEMENT OF OUTSTANDING TEACHER
AWARDS _____

REMARKS TO THE GRADUATING CLASS _____ William C. Friday
President, University of North Carolina

ALMA MATER

BENEDICTION

RECESSIONAL

The audience is requested to remain seated
until Recessional music is concluded.

Social Hour and Distribution of Diplomas

School and Department Locations

School of Agriculture and Life Sciences—11:15 a.m.

Adult Education	Rms. 211, 213, 214 Carmichael Gym
Agronomy, Crop Science, Plant Protection and Soil Science	149 and 251 Williams Hall
Animal Science	5-A Polk Hall
Biological and Agricultural Engineering	158 Weaver Laboratories
Biological Sciences	Diploma presentation 222 Dabney Hall, with reception to follow in 3533 Gardner Hall
Biochemistry	
Biological Sciences Major	
Botany	
Entomology	
Genetics	
Microbiology	
Plant Pathology	
Wildlife Biology	
Zoology	
Conservation	222 Dabney Hall and 3533 Gardner Hall or 149 and 251 Williams Hall
Economics	Nelson Auditorium, 240 Nelson Hall
Food Science	105 Schaub Food Science Building
Horticultural Science	121 and 159 Kilgore Hall
Poultry Science	224 Scott Hall
Rural Sociology	YMCA Auditorium, 1601 Hillsborough Street

School of Design—11:15 a.m. Erdahl-Cloyd Ballroom

School of Education—11:20 a.m.

Adult and Community	
College Education	Rms. 211, 213, 214 Carmichael Gym
Agricultural Education	400 Poe Hall (Curriculum Materials Center)
Guidance and Personnel Services	220 Poe Hall
Industrial and Technical Education	532 Poe Hall (Lounge)
Vocational Industrial Education	
Technical Education	
Industrial Arts Education	
Mathematics and Science Education	216 Poe Hall (Auditorium)
Psychology	204 Poe Hall

School of Engineering—11:15 a.m.

Biological & Agricultural Engineering	158 Weaver Laboratories
Chemical Engineering	113 Riddick
Civil Engineering	Lobby of Mann Hall
Electrical Engineering	Thompson Theatre
Engineering Mechanics	119 Riddick Hall
Engineering Operations	William Neal Reynolds Coliseum

Furniture Manufacturing & Management	234 Riddick Hall
Industrial Engineering	234 Riddick Hall
Mechanical & Aerospace Engineering	242 Riddick Hall
Materials Engineering	Alumni Building
Nuclear Engineering	Burlington Nuclear Laboratories

School of Forest Resources—11:15 a.m. Harris Cafeteria

School of Liberal Arts—11:15 a.m.

Economics	Nelson Textile Auditorium
English, Modern Languages, Philosophy and Speech	West Raleigh Presbyterian Church, 27 Horne Street
History	Department of Archives, 109 East Jones Street
Politics	214 Tompkins Hall
Sociology	YMCA, 1601 Hillsborough Street

School of Physical and Mathematical Sciences—11:30 a.m. Lobby, Dabney Hall

School of Textiles—11:30 a.m. Forest Hills Baptist Church

ROTC Commissioning Ceremony

William Neal Reynolds Coliseum

May 13, 1972

PROCESSIONAL MARCH 2:00 P.M. _____ Donald B. Adcock
Conductor, North Carolina State University Commencement Band

The audience is requested to remain seated
until Processional music is completed.

NATIONAL ANTHEM

INVOCATION _____ Major Luther G. Brewer
Baptist Chaplain, U. S. Army Reserve

INTRODUCTIONS _____ John Tyler Caldwell
Chancellor, North Carolina State University

ADDRESS _____ Thomas J. Thorne
Major General, USAR
Commanding General, 120th U. S. Army Reserve Command

ADMINISTRATION OF OATH OF OFFICE _____ Colonel Owen T. Reeves
Professor of Aerospace Studies
Colonel William L. Boylston
Professor of Military Science

PRESENTATION OF CERTIFICATES
OF COMMISSION _____ Major General Thomas J. Thorne
USAR
Colonel Owen T. Reeves
U. S. Air Force

BENEDICTION

Academic Costume

Academic gowns represent a tradition handed down from the universities of the Middle Ages. These institutions were founded by the Church; the students, being clerics, were obliged to wear the prescribed gowns at all times. Round caps later became square mortarboards; the hoods, originally cowls attached to the gowns, could be slipped over the head for warmth.

Many European universities have distinctive caps and gowns which are different from those commonly used in this country. Some of the gowns are of bright colors and some are embellished with fur. A number of these may be noted in the procession.

The usual color for academic gowns in the United States is black. The bachelor's gown is worn closed, the master's and doctor's may be worn open or closed. The shape of the sleeve is the distinguishing mark of the gown: bachelor—long pointed sleeves; master—oblong, square cut in back with an arc cut away in front; doctor—bell shaped.

Caps are black. The tassels for the Ph.D. degree are gold and those for other graduate and professional degrees may be of the color corresponding to the trimmings on the hoods. The color of the tassels for bachelor's degrees indicates the curriculum of the graduate: Agriculture, maize; Design, brown; Education, light blue; Engineering, orange; Forest Resources, russet; Liberal Arts, white; Physical and Mathematical Sciences, yellow; Textiles, wine red.

The hoods are lined with the color of the institution from which the wearer received his degree. The trimming or collar of the hood is the color which designates the degree: Liberal Arts, white; Fine Arts and Architecture, brown; Science, golden yellow; Music, pink; Divinity, scarlet; Law, purple; Engineering, orange; Philosophy, blue; Medicine, green; Forestry, russet; Textile, wine red.

Honorary degree hoods are distinguished as follows: Master of Arts (M.A.), white; Doctor of Humane Letters (L.H.D.), white; Doctor of Science (Sc.D.), golden yellow; Doctor of Divinity (D.D.), scarlet; Doctor of Laws (L.L.D.), purple.

DEGREES CONFERRED

May 13, 1972

School of Agriculture and Life Sciences



BACHELOR OF SCIENCE IN BIOLOGICAL AND AGRICULTURAL ENGINEERING

Jointly Administered by the School of Agriculture and Life Sciences
and the School of Engineering

Thomas Scott Allen, Jr.	Semora
* Elvin Fountain Barwick	Seven Springs
Philip Earl Davis	Wendell
Wallace Jerry Hare	Mocksville
*H Thomas Vernon Honeycutt, Jr.	Four Oaks
David Seawell Lawhon	Carthage
Floyd Kenneth Milem, Jr.	Concord
Leonard Yearby Safrit, Jr.	Beaufort
Frank Lewis Smith	Siler City
Jerry Thomas Smith	Kannapolis
Richard Lee Umbarger	Churchville, Md.

BACHELOR OF SCIENCE IN CONSERVATION

Jointly Administered by the School of Agriculture and Life Sciences
and the School of Forest Resources

Joffrey Wayne Brooks	Candler
*H Fred Daniel Callis, Jr.	Fuquay-Varina
Glenn Alfred Carowan, Jr.	Pantego
* Jimmy Clyde Chisholm	Candor
Stephen Larry Davis	Greensboro
Michael Yarborough Day	Roxboro
* William Herbert Farmer, Jr.	Mount Olive
William Michael Flythe	New Bern

* Honors

H Honors Program

Jerry Lee Lassiter --- Conway
James Ray Alley --- --- Greensboro

Ronald Pearce Foushee	Roxboro
† Phillip Ray Kaylor	Goldsboro
Larry Earl Mallard	Belgrade
Dennis Jay Osborne	Waynesville
Terry Melvin Sholar	Wallace
Velva Wheeler Simmons	Creedmoor
Larry Tyson Sink	Thomasville
Stacy Gene Smith	Dudley
James Quintin Wooten	Farmville

BACHELOR OF SCIENCE

Agricultural Economics

*H Sanders Powell Cox	Enfield
Ted Emery Ivey	Goldsboro
Charles Wade Johnson, Jr.	Fuquay-Varina
** Stephen Ernest Miller	Stony Point
Clifton Lee Painter	Wendell
*H James Ronald Pope	Greensboro
Janet Susan Shallcross	Smithfield
Donald Gray Trivette	Union Grove
James Edwin Wall, Jr.	Morven

Agronomy

Kenneth Ray Bateman	Columbia
** Maurice Kendrick Berry, Jr.	Elizabeth City
*H Donald Wayne Brown	Cary
Preston Glenn Cutler	Washington
Aubrey Nicholson Dickens, Jr.	Enfield
*H Jacob Joseph Parker	Belgrade
*H Mark Francis Richardson	Stokesdale
**H Robert Morris Riggs	Stella
Michael Lee Sherrill	Stony Point
*H Benjamin Thomas Shingleton, III ..	Stantonsburg
† James Vincent Wells	Bailey

Animal Science

Robert James Arbushitis	Apex
Charles Franklin Brooks	Richfield
Lanny Lamar Burleson	Albemarle
Phil Darrell Caveness	Ramseur
†** William Paul Cleland, Jr.	Charlotte
H Barbara Ann Coggins	Raleigh
Gary Michael Collins	Monroe
**H Larry Dale Cooper	Pantego

* Honors ** High Honors H Honors Program † In Absentia

*H Richard Lawrence Cotton	Kipling
Andrew Hugh Crawford	Statesville
Barbara Susan Durrant	Arden
Fate Baker Everett, Jr.	Palmyra
Larry Stephenson Francis	Fuquay-Varina
Richard Edwin Green	Durham
† Lewis Gardner Harrelson	Waco
Larry Gordon Isenberg	Fayetteville
Ralph Herbert Ketchie, Jr.	Mount Ulla
Robert Howard Knox, III	Cleveland
*H Gary Stephen Lawrence	Raleigh
Kurt Alan Lund	Greensboro
† Billy Parker Manning, Jr.	Tarboro
†** Richard Douglas Mitchell	Greensboro
Sterling Hamilton Moore	Winston-Salem
John Michael Ott	Star
Rodney Lamar Phillips	Candler
Royce Donovan Phillips	Candler
† James Clifton Pollock	Trenton
Timothy Holt Raynor	Durham
* Carlton Douglas Rouse, Jr.	Kinston
Steven Smith Scott	Mebane
* Jimmy Andrew Shaver	Stevens' Mill
*H Louise Marshall Shorey	Durham
H Sidney Calvin Teague, II	Winston-Salem
*H Larry Neal Whitt	Mars Hill
*H Jefferson Davis Wilkins	Burlington
†**H Pamela Luther Witaszek	Salisbury
Gerald Vance Yokeley, Jr.	Lexington

Biological and Agricultural Engineering

Gerald Wayne Chaffin	Mocksville
Larry Randall Garren	Brevard
Rodney Wayne Johnson	Angier
Larry Eugene Merrill	Leicester
*H James Ronald Pope	Coats
Edgar Hughey Pritchett	Burlington
† Richard Wade Reid	Elizabeth City
Charles Melza Rooks	Rocky Point
John Carlton Smith	Hickory
Ronald Gene Trantham	Maggie Valley

Biological Sciences

Samuel Miller Byrd	Sanford
Edward David Frankenstein	Durham
*H Donna Gail Goodwin	Fuquay-Varina
Gregory Mark Guild	Ramsey, N. J.

* Honors ** High Honors H Honors Program † In Absentia

†* Norma Gail Hassan	Rutherfordton
Harold Kyle Jordan, Jr.	Winston-Salem
William Dewey Queen	Fairfax, Va.
Steven Lloyd Slusher	Salem, Va.

Botany

*H Philip Neri Clark	Cullowhee
**H Stephen Arthur Johnston	Penns Grove, N. J.
Gerald Ray McCrain	Asheville

Entomology

* Marshall Wain Johnson	Charlotte
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Food Science

Dale Rodney Freeze	Troutman
Allan Robert Hovis	Greensboro

Horticultural Science

*H Philip Neri Clark	Cullowhee
Louis Edward Cobb, Jr.	Kinston
**H Donald Claude Coston	Hendersonville
Richard Howard Currin	Fuquay-Varina
Susan McCauley DeGroot	Versailles, Ky.
Robert Cregg Edgerton	Cary
Clayton Ridings Emerick	Ellicott City, Md.
James Robert Hope	Polkville
Cornelia Hale Irby	Blackstone, Va.
Harry Payne Jenkins	Conway
Lucius Fredrick Lochaby, II	Murphy
* Thomas Dickson Pretlow	Virginia Beach, Va.
† Sidney Walker Spencer	Monroe

Plant Protection

*H John Starkie Harden	Windsor
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Poultry Science

Lanny Lamar Burleson	Albemarle
Phil Darrell Caveness	Ramseur
* Larry Albert Cogburn, III	Canton
Gary Michael Collins	Monroe
Larry Gordon Isenberg	Fayetteville
Ted Emery Ivey	Goldsboro
† Kurt Alan Lund	Greensboro
Sterling Hamilton Moore	Winston-Salem
* Jimmy Andrew Shaver	Stevens' Mill
Ted Marvin Simmons	Yadkinville
James Harold Webber, Jr.	Goldsboro

* Honors ** High Honors H Honors Program † In Absentia

Rural Sociology

* Geneva Lloyd Baker	Apex
Douglas Duane Dills	Gastonia
Joyce Isabel Kimbrel	Charlotte
Kenneth Owen Sheppard, Jr.	Winston-Salem

Soil Science

David Carvin Clapp	Whitsett
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Zoology

Wildlife Biology

* James Richard Cummings	Beaufort
William Robert Hamilton	Aiea, Hawaii
H Roy Allen Hare, Jr.	Durham
Dennis William Hazel	Garner
Kenneth Leon Johnson, Jr.	Reidsville
Donnie Ray McFall	Durham
Kenneth Benton Stansell	Charlotte
† John David Swindell	Scranton
Ted Daniel Taylor	Grifton
† Dan Sherman Whitehead	Scotland Neck
† David Keith Whitehurst	Smithfield
Jimmie S. Woodall	Raleigh
James Quintin Wooten	Farmville

Zoology

*H William Giles Allen	Clarkton
* Reba Tatum Barbery	Kershaw, S. C.
**H Claudia King Berryhill	Woodsdale
* Julia Coppedge Bibb	Southern Pines
** Kyle Stephen Braxton	Burlington
*H David Allen Burney	High Point
Richard Dale Carringer	Gastonia
Andres Cowley	Fayetteville
†* William Hunter Culbertson, Jr.	Ashland, Ky.
*H James Morris Curfman	Mathews, Va.
Eugene Allen Dees, Jr.	Raleigh
John Allison Doerr	Raleigh
Willard Rusk Dunlop, Jr.	Pinehurst
Carolyn Sue Gibson	Fayetteville
John Gordon Gray, Jr.	Raleigh
*H Jennifer Lorenz Griffith	Nashville, Tenn.
*H Harry Thomas Haigler	Monroe
** Elizabeth Spence Higgins	Raleigh
Stephen Templeton Hodges	Rockville, Md.
* Stephen Michael Holmes	Columbus, Ga.
Samuel Edward Johnson	Fayetteville
Kile Woodrow Kinney	Durham
Stuart Lee Matthews	Angier

* Honors ** High Honors H Honors Program † In Absentia

*H Cathey Sloane Monty	Charlotte
Daniel Robert Moore	Raleigh
Russell Norwood Page	Clemson, S. C.
*H James Sheridan Parsons	Cary
*H Philip McIver Payonk	Wilmington
* Rebecca Cheek Piver	Graham
† James Brewer Raper	Whiteville
George Edward Raymond, Jr.	Raleigh
David Earl Reid	Asheville
Edward Lawrence Ristaino	Fayetteville
John Richard Saunderson	Aiken, S. C.
Douglas John Smith	Charlotte
†* Richard Michael Stanford	Raleigh
*H Grover Cleveland Stowe, III	Charlotte
H Sidney Calvin Teague, II	Winston-Salem
Margaret Grace Thompson	Greensboro
Stuart McGuire Thomson, Jr.	Washington
* David Arthur Wilson	Bakersville

School of Design



BACHELOR OF ARCHITECTURE

* George Edwin Belk	China Grove
James Luther Blair, III	Charlotte
George Charles Bradley	Rocky Mount
William Courtney Brantley	Raleigh
David Orren Bullock	Kannapolis
* Terry Eugene Bunn	Clinton
* Kenneth Wilson Burnette	Louisburg
Ewald Richard Busse	Durham
Mark Stephen Case	Brevard
* Ronald Lee Chriscoe	Burlington
* John Aycock Daughtridge, Jr.	Rocky Mount
William Martin Davis	Charlotte
Howard Wordsworth Doyle	Burlington
Jeffrey Stephen Emma	Raleigh
* Curtis Worth Fentress	Greensboro
Randolph Hampton Fields	Winston-Salem
* Harry Jose Frontado	Caracas, Venezuela
Robert Edward Giddings	Charlotte
* Lawrence Alan Goldblatt	New Brunswick, N. J.

* Honors ** High Honors H Honors Program † In Absentia

Jeffrey Brownell Graves	Burlington
Hudson Hamilton Haines, Jr.	Raleigh
* James Clingman Heffner, III	Maiden
* Anderson Cooke Hensley	Sanford
Charles Monroe Hill	Raleigh
* Genevieve Victoria Holubik	Raleigh
David Nels James	Sanford
* Richard Paul Kattenburg	Vienna, Va.
Peter Gale Knowland	Clemson, S. C.
Jeffrey Carter Knox-Dick	Alexandria, Va.
Jerry Weldon McGinnis	Shelby
* Ronald Eugene McLester	Statesville
Manuel Gonzalo Matheus	Caracas, Venezuela
* Gustavo Eduardo Mibelli	Caracas, Venezuela
* Michael Henry Nicklas	Lock Haven, Penna.
Richard Edward Nolte	Charlotte
* Thomas Michael Dillon O'Shea	Durham
William Worth Petty	Virginia Beach, Va.
William Crawford Piver, III	Washington
Gonzalo Alberto Ponte	Caracas, Venezuela
* William Frederick Pritchard	Raleigh
* John Erwin Ramsay, Jr.	Salisbury
** Richard Lee Rice, Jr.	Raleigh
** John Scott Rodgers	Cleveland, Ohio
Michael Lee Russell	St. Augustine, Fla.
Robert Baker Salisbury	Morganton
* Daniel Gunter Smith	Fayetteville
Herbert Alan Smyser	York, Penna.
Raul Ramon Sotolongo	San Juan, Puerto Rico
Richard Emil Spina	Madison, N. J.
** Thomas Earl Stanford	Raleigh
Steven Mark Taynton	Falls Church, Va.
Gabriel James Tsighis	Millburn, N. J.
** Jacobus Cornelis Van Klaveren	Ontario, Canada
** Leslie James Vollmert	Jacksonville, Fla.
* Miu Yu Cecilia Wan	Hong Kong
Henry William White	Adelphi, Md.
* Jimmy O'Neal White	Greensboro
* James Frederick Wright	Kingsport, Tenn.

BACHELOR OF ENVIRONMENTAL DESIGN IN ARCHITECTURE

Walter Allen Arnold	Zebulon
† Larry Eugene Austin	Asheboro
Frank Chamberlain Blanton	Lincolnton
Kenneth Yates Boisseau, II	Madison-Mayodan
Porntip Boonsong	Bangkok, Thailand
* Carl Hamrick Bridgers	High Point
Lyman Cornell Bryant	Franklin
Sloan Marvin Burton, Jr.	Raleigh
Edgar Toms Carr	Durham
* Anghuman De	Raleigh

* Honors ** High Honors

† In Absentia

Alan Ross Eaton	Fayetteville
† David Franklin Furman	Charlotte
Reginald Terrence Patrick Jolliffe	Hampshire, England
† William Woodrow Laws, Jr.	Raleigh
†* Michael Bradford Lowry	Chesapeake, Va.
Ronald Edward McLaren	Beaufort
† William Robinson Odell	Charlotte
Joe Sam Queen	Waynesville
Joseph Arthur Rainwater	Silver Spring, Md.
* Thomas Henry Roth	Manhasset, N. Y.
Robert Lee Sams, Jr.	Asheville
† Bruce Goodman Sanders	Greensboro
Ross Minish Sigmon, III	Burlington
* Donald Marcus Smith	Conover
James William Smith	Winston-Salem
Michael Robert Soloway	Raleigh
Larry Nelson Stallings	Lenoir
* David Lynn Sumner	Burlington
* David Keith Tester	Winston-Salem
John Millard VanAken	Winston-Salem
Michael Jerry Wilson	Spartanburg, S. C.

BACHELOR OF LANDSCAPE ARCHITECTURE

* James Barry Carpenter	Gastonia
James Wesley Cox, Jr.	Asheboro
Donald Ashley d'Ambrosi	Raleigh
Willie Alfred Denning	Willow Springs
Anthony Wayne McBride, Jr.	Mount Airy
Harris Johnson Ogburn	Raleigh
Howard Francis Ostrout, Jr.	Miami, Fla.
James Sidney Ratchford	Dallas
Garland Craig Smith	Lexington

BACHELOR OF ENVIRONMENTAL DESIGN IN LANDSCAPE ARCHITECTURE

Carl Rivers Dunn, Jr.	New Bern
Paul Conley Embler, Jr.	Asheville
* Joseph Marshall Liles, III	Wadesboro
William Coleman Long	Burlington
† Kenneth Lee Morris	Drexel
Edward Martin Schweitzer, Jr.	Wadesboro
† Harold Butler Senter, Jr.	Raleigh
* Carlyle Barton Smith	Middlebury, Vt.

BACHELOR OF PRODUCT DESIGN

* Lane Harris Atkins	Greensboro
Stanley Sherwin Coe	Raleigh
Richard Allen Curtis	Raleigh
* James Cornelius Pass Fearrington	Winston-Salem
Robert Vickers Hamlin	Salisbury

* Honors ** High Honors

† In Absentia

Byron Sherrill Horne	Morehead City
* Philip Carlisle Lang	Raleigh
Richard Scott Michael	St. Croix, Virgin Island
* William Millicovsky	Elon College
Charles Hugh Moretz, Jr.	Newton
Stephen Edward Norris	Charlotte
* Lesley Elizabeth Pack	Alexandria, Va.
Robert Ellis Peebles	Burlington
Robert Baker Salisbury	Morganton
Henry Livingston Snuggs, Jr.	Albemarle
Larry Nelson Stallings	Lenoir
Chesley Waddell Sugg	Cary
Philip Marcus Winstead	Roxboro

School of Education



BACHELOR OF ARTS IN PSYCHOLOGY

†* Donna Louise Arnold	Raleigh
Louise Graves Bissett	Lumberton
James Luther Burston	Enfield
Gary Dalton Crouse	Greensboro
** Joseph William Dalia, Jr.	Sharon, Conn.
* Donna P. Duerk	Raleigh
* Lillian Carol Durham	Raleigh
Annette Henrietta Exum	Raleigh
Wayne Francis Forte	Uniondale, New York
Dana Kelly McManus	Mineral Springs
** Joyce Dallas Mosman	Pennsauken, N. J.
†* Alan Lee Ogus	Miami, Fla.
William Glenn Parker	Eden
Paul Douglas Parsons	Lenoir
Carolyn Anntionette Pearce	Ahokie
Stephen Dwight Pease	Hixson, Tenn.
Sandra Roy Piver	Washington
* Timothy Eugene Sullivan	High Point
* Glenda Gayle Tilley	Durham
* Patricia Jane Walton	Raleigh
Zora Rhodes Weisbecker	Flat Rock
Edgar Dickinson Williams, Sr.	Wilmington

* Honors ** High Honors

† In Absentia

BACHELOR OF SCIENCE IN EDUCATION

Agricultural Education

Donald Craig Adams	Clayton
* Douglas Hugh Clark	Pittsboro
William Steven Cline	Thomasville
James Walter Gentry	Roaring River
Major Leonidas Gore	Tabor City
Dan Curtis Honeycutt	Coats
Thelbert Thomas James, Jr.	Goldston
John Charles Payne	Thomasville
Larry Joe Revels	Lumberton
Frank Robert Walls, Jr.	Fuquay-Varina
* Urah Thane Williamson, Jr.	Wilson

Industrial Arts Education

* Rollin Richard Ashley	Seattle, Wash.
Clayton Mark Cathey	Waynesville
Donald Edward Hankins	Goldsboro
Thomas Wayne Jackson	Four Oaks
Allen Lewis Price	Morganton

Mathematics Education

Larrien Danial Armstrong	Southern Pines
* Angelia Louise Arnold	Zebulon
Mayme Kay Hampton Banasiak	Durham
Frank Michael Boing	Goldsboro
** Cherrie Linda Bowling	Zebulon
James Ray Bryant	Kipling
Cathy Carol Clark	Zebulon
* Joycelyn Mangum Clements	Garner
* Stephen Tyler Corbin	Mechanicsville, Va.
* Ralph Colwell Ennis	Chapel Hill
* Donald Earl Glasco, Jr.	Morganton
John Manfred Hardee	Lillington
William Ray Jernigan	St. Pauls
* Mary Evelyn Johnson	Lexington
Ray Hadley Johnson	Siler City
Alan Charles Justus	Hendersonville
† Mary Ann Kohler	Fort Bragg
Kathleen McCeney	Washington, D. C.
Elizabeth Ann McDonald	Louisburg
John Arthur Moore, Jr.	Raleigh
Jerry Wayne Oldham	Carthage
* Nancy Arnette Stanley	Four Oaks
Carol Ruth Stallings	Owings Mills, Md.
** Joyce Dale Trumbo	Durham
† Robert Jennings Walker	Charlotte
Robert Stephenson Warren	Winston-Salem
Ronald Edwin Williams	Robbins

* Honors ** High Honors

Science Education

Joseph Carr Allen, III	Cary
Charles Lee Allison	Peachland
† Joseph Glenn Barton	Marble
* Janice Crane Bowen	Pisgah Forest
* Gloria Day Davis	Roxboro
John Elbert Ferguson	Jacksonville
Larry Stewart Gregg	Bath
Larry Fulton Greene	Charlotte
Gerald Dean Leger	Valdese
* Brenda Kay Pipkin	Raleigh
Robert Field Rundle	Shrub Oak, N. Y.
Ralph Clyde Smith	Raleigh
John Edmond Windley	Momeyer
William Stanie Winfield	Garner

Technical Education

James Wesley Dossett	Newport News, Va.
Charles Elbridge Graham, Jr.	Linwood

Vocational Industrial Education

Coy Brevard Bell, Jr.	Aulander
** Kathleen Hill Carter	Raleigh
Randall Stephen Caudill	Hays
Thomas Jones Ham, III	Reidsville
Joe Edwin Harris, Jr.	Elkin
Kenneth Garland Hobbs	Greensboro
Luther Craig Jones	Cary
Steven Arthur Lee	Havelock
Ronald Lynn Martin	Hayesville
† Robert Cornelius Myers	East Bend
Gary Lee Ridout	Raleigh
* Paul Victor Scheetz, Jr.	Jacksonville
Wilbur Smith, Jr.	Bladenboro
Alfred James Worley, Jr.	Fair Bluff

School of Engineering



BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING

*H John Estes Conway	Asheville
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* Honors ** High Honors H Honors Program † In Absentia

*H Jerry Edward Deese	Badin
† Shaylor Henry Duncan, Jr.	Charlotte
* Charles Phillip Ford, III	Kinston
† Robert Eugene Gilbert	Winston-Salem
* Steven Lytle Griffith	Kinston
* Larry Warren Hardin	Glen Alpine
Jeffrey Alan Harrison	Charlotte
* James Leonard Huff	Mars Hill
Paul Kenderson Kessler, Jr.	Bel Air, Md.
John Deaton Lawing	Thomasville
Robert Donald Mikell	Fayetteville
Michael Anthony Morgan	Gibsonville
* David Eugene Morrison	Cary
George Joseph Nepereny	Aurora, Ill.
Thomas Hurley Phillips	Morven
Rudolph French Simpson, II	Lumberton
*H John Leslie Sprague	Fayetteville
Walter Wesley Woodruff	Roanoke Rapids
Oliver Lee Wright, III	Manchester, Md.
Thomas Edward Wylie	Charleston, S. C.

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

William Barton Evers	Raeford
† Stephen Eugene Shenefiel	Corry, Penna.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

**H Robert Brown Ambrose, Jr.	Fayetteville
*H James Gavrilles Arquette	Beaufort
Carl Douglas Bell	Charlotte
Thomas James Burns	Hopewell, Va.
* Jack Cherry, III	Raleigh
Michael Wade Dietzel	Lumberton
H Lance Schuyler Granger	Binghamton, N. Y.
*H Jimmy Davis Honeycutt	Salemberg
William Michael Joyce	Newport
*H Ronald Thomas Lindsay	Charlotte
Frank Irvin Louzek	Sandston, Va.
** James William McKenzie, III	Rockingham
** Joel Talmage Nesbit	Woodleaf
H Roy Marcus Neulicht	Newton
*H William Douglas Routh	Grays Chapel
Ray Vernon Scott, Jr.	Winchester, Ky.
William Frank Simister	Charlotte
†H James Jerome Spivey	Charlotte
Thomas Neil Talbot	Rochester, N. Y.
William Vernon Tyson, Jr.	Greenville
** Michael Thomas Vaden	Charlotte
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* Dennis Lynn Young	Roanoke, Va.

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* Richard Daniel Barrier	Concord
* Mark MacEachron Boggs	Asheville
† William Gethro Daniel	Elizabethtown
† Wayne William Doherty	Wilmington
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James McGuffy Johnson, III	Roxboro
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Steve Ryan Kernodle	Burlington
James Karl Kessler	Middlesex, N. J.
Jon Mark Kilby	Charlotte
Terry Lee Klavohn	Geneseo, Ill.
† Luke Tat-Lui Kwong	Charlotte
Gurnie Robert Lee, Jr.	Raleigh
* Renaldo Lovisa, Jr.	Homer City, Penna.
Harvey Eugene Millsaps, Jr.	Mooreville
Amos Louis Moore, Jr.	Greenville
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Bowdoin Pfeifer	Charlotte
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Craig Horace Groce	High Point
Michael Aubrey Helms	Concord
John Lawrence Hewitt	Chesapeake, Va.
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Robert Alan Miller	Bethlehem, Penna.
Andrew Carter Patton	Morganton
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James Herbert Price	Whiteville
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James Michael Snow	Greensboro
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* John Robert Morehead	Shelby
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Ray Norman Rouse, III	Goldsboro
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David Guy Stuart	Raleigh
* Stanley Haddon Suther	Troutman
Barton Richards Swalm	Raleigh
Larry Harold Swanson	Greensboro
Harry Weldon Thomas, Jr.	Greensboro
Terry Lee Thomas	Burlington
David Roland Timberlake	Timberlake
Lloyd William Troxler, Jr.	Salisbury
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* Honors

** High Honors

† In Absentia

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Randolph Field Sisell	Winston-Salem
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Charles Wesley Boyd	New Bern
Ralph Mitchell Boyles, Jr.	Winston-Salem
David Lloyd Brazell	Miami, Fla.
Joe Pearson Cashion	Cleveland
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Peyton Earl Collie	Spring Hope
Christopher Carl Collins	Pittsford, N. Y.
James Michael Cross	Raleigh
Francis William Danahy, Jr.	Pearisburg, Va.
Kenneth Charles Diehl, Jr.	Norfolk, Va.
Steven Lee Doak	Charlotte
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Allen Craig Eberhardt	Lima, Ohio
Johnny Paul Foreband, Jr.	Belcross
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Samuel Douglas Gant	Greensboro
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	Vernon Burgette Garvin, III	Hurt, Va.
	Meigs Coker Golden, Jr.	Sanford
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	Kenneth William Honeycutt, Jr.	Asheville
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	Paul Edward Krape	Springfield, Penna.
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*	John Nathan McDermon	Durham
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†	John Lyn McNemar	Raleigh
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	Andrew Franklin McRorie, III	Raleigh
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	Max Steven Mauney	Lincolnton
*	Robert Mitchell Meador	Reidsville
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**	Robert Lynn Misenheimer	Brevard
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*H	Jeffrey Dwight Rawls	Stokes
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**	Christopher Clay Rolfe	Thomasville
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	Joseph Vasile	New York City, N. Y.
	Howard Hosford Wallace, III	Alexandria, Va.
	Adrian Michael West, Jr.	Charlotte
	Joyce Dawn Wilkerson	Roxboro
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* Leslie McCombs Barnhart	Raleigh
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Roderick Leland Beverly	Red Springs
** Kinchen Carey Bizzell	Goldsboro
Norman Edwin Blaylock	Jamestown
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* Sidney Edwin Bostian, Jr.	Hickory
Gerald Steven Bowman	Newton
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Lowell Martin Britt	Durham
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* Honors

** High Honors

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Kenneth Elbert Clements	Garner
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Leon Robert Cox, III	Jacksonville
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	Steven Warren Guess	Raleigh
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* Honors ** High Honors

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Kevin Robert Lewis	Raleigh
† Norman Franklin Lewis, III	Lillington
Glenn Stacy Lilly	Durham
* William Michael Litaker	Belmont
Jerilyn Sue Litton	Garner
Eric Anthony Lowe	Wilmington
Rhonda Camecia Lynch	Enfield
* Jeanne Turner McBrayer	Cary
Janet Lee McCafferty	Bellefonte, Penna.
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Frank Benson Marsh	North Wilkesboro
** Albert Henry Marshall	Raleigh
† Jane Ellen Botsch Martin	Lexington
Kathy Dean Martin	Hiddenite
†* Marcia Denise Martin	Charlotte
Harold Doop Megredy	Cary
Adolf Leonhard Mehlich	Raleigh
✓ Mildred Marilyn Middleton	Raleigh
* William Metts Mitchell	Raleigh
* Natalie Paxton Moffett	Raleigh
Anna Mordechai	Greensboro
Gail Mawson Mulligan	Webster, N. Y.
Gregory Braxton Murray	Raleigh
Robert Allen Neilson	Fayetteville
† Debby Lynn Nevius	Durham
Kathy Carmen Oliver	Smithfield
** Linda VanBuren Owens	Raleigh
** Marjorie Stanford Painter	Raleigh
Elizabeth Daniel Palmer	Seaboard
† Ella Victoria Papolos	St. Petersburg, Fla.
Raymond Jackson Payne, Jr.	Charlotte
** Ernest Clifton Pearson	Charlotte
Rosalyn Eloise Pearson	Richmond, Va.
† William Wayne Peifer	Raleigh
Martha Susan Pence	Silver Spring, Md.
Benjamin Jethro Person	Goldsboro
†* Margaret Hall Peterson	Raleigh
George Edward Pittman	Raleigh
Frederick Lee Plunkett	High Point
* Harold Lee Pollock	Clinton

* Honors ** High Honors

† In Absentia

Joseph Allen Powell	Whiteville
** Donna Jean Pruitt	Hickory
Glenn McLaurin Pugh	Asheboro
Jackie Sharon Ragsdale	Fuquay-Varina
John Thomas Reading	Concord
Susan Patricia Riviere	Shelby
Patricia Holder Rivers	Raleigh
Gordon Richard Robertson, Jr.	Raleigh
Daniel Loys Roebuck	Raleigh
William Marvin Rogers	Jacksonville
Joyce Ann Saalfrank	Basking Ridge, N. J.
* Perry Benfrow Safran	Fayetteville
* Jo Anne Sanford	Randleman
Richard Brian Schultz	High Point
Carol Kolb Scott	Garner
Barbara Carol Shearer	Raleigh
Callie Sue Sherrill	Kernersville
** Marsha Elaine Showstead	Wellesley, Mass.
** Emil Michael Shutak	Fayetteville
* Carolyn Helms Simpson	Monroe
Dennis Allen Smith	Kinston
* Gloria Janeen Smith	Lincolnton
** Janet Ritchie Smith	Ithaca, N. Y.
Sarah Whitley Smith	Salisbury
Henry Livingstone Sauggs, Jr.	Absent
† Gordon Kelly Sparger	Spencer
Brenza Ann Spencer	Washington
Marvin Earl Spencer, III	Beaufort
** Vicki Faye Stanley	Clayton
** Anne Kearney Stancil	Asheville
† Thomas Lawrence Stallings	Smithfield
* Kathie Lane Stakeman	Bennettsville, S. C.
John Cary Steinert, Jr.	Raleigh
Michael Keith Stephens	Rocky Mount
Theresa Gail Stepp	Hendersonville
* Stephen Parker Stowe	Raleigh
Anne Boyd Strupler	Raleigh
Samuel Katzoff Suls	Jacksonville
George Michael Sweat	Raleigh
† Gary Kim Symansky	Massapequa, N. Y.
* William Samuel Tarlton, Jr.	Raleigh
Deborah Scruggs Tarplee	Raleigh
Jerome Burton Taylor	Snow Camp
Martha Mackafee Taylor	Rockingham
James Robert Thompson	Spring Lake
Ailene Swanner Threatt	Gastonia
** Linda Charles Tomlinson	Raleigh
Charlene Anne Tompkins	White Plains, N. Y.

* Honors ** High Honors

† In Absentia

Gabriel James Tsighis	Millburn, N. J.
Deborah Twyford	Dunn
* Nora Helene Veiberg	Raleigh
Edwin Theodore Venrich, Jr.	Virginia Beach, Va.
** Susan Elizabeth Ward	Raleigh
Roger Hatcher Waring	Greensboro
Earnest Franklin Warren, Jr.	Newton Grove
Susan Audrey Waters	Darien, Conn.
Joseph Vardell Watterson, Jr.	Cary
† William Andrew Weeks, Jr.	Morehead City
† Brenda Hines Wells	Goldsboro
Marion Lee Whigham	Washington, D. C.
Deborah Ann White	Falls Church, Va.
† John Stuart Whitener	Clemmons
Elizabeth Rogers Wiesner	Plymouth
† Stacey Gene Wilkins	Raleigh
Luke Nathaniel Williams	Raleigh
† James Clay Williamson, III	Gastonia
† Vicki Kruger Wilson	Raleigh
** Geraldine Kelly Winstead	Raleigh
†* Stephanie Anne Woods	Cary
Robert Wayne Yarborough	Clinton
† Jeannie Grant Yeargan	Garner
* John Engler Zeliff	Raleigh
Nancy Warren Zweigart	Taylorsville

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David Caldwell Dietzel	Lumberton
Franklin Lawrence Dilda	Tarboro
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Raymond Charles Foster	Fulton, N. Y.
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William Kirk Lennox	Kinnelon, N. J.
Morris Duncan Marley	Lumber Bridge
Peter Prosper Miller	Colombia, S. A.
† Carl Bernard Peterson	Alexandria, Va.
David Jewett Porter	Coral Gables, Fla.

* Honors ** High Honors

† In Absentia

School of Physical and Mathematical Sciences



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† Irvin Lee Allcox	Merry Hill
*H David Frank Bocian	Maitland, Fla.
* Albert Warren Cox, Jr.	Charlotte
*H Michael Wayne Dae	Raleigh
* Sara Catherine Joyner	Spring Hope
*H William Anthony Kleschick	Havelock
* James Jay Singer	Charlotte

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

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† Sheldon Oliver Bateman, Jr.	Hertford
Stephen Edward Bento	Virginia Beach, Va.
† Jimmy McArthur Boyette	Raleigh
Douglas Frederick Cammann	Raleigh
John Michael Cavallone	Charlotte
John Robert Chadwick	Signal Mountain, Tenn.
Douglas Williams Champion	Wilson
* Charles Barry Clayton	Belhaven
Robert Thomas Collins	Winchester, Ky.
Benny Melvin Cooke	Winston-Salem
William Earle Craig, III	Newport News, Va.
John Michael Darby	Hendersonville
* Carl Wesley Dawson	Durham
† Roseanne Ward Draper	Conway
† John Eric Duckworth	Charlotte
John Stephen Edison	Winston-Salem
Michael Gary Funck	Fayetteville
Roy William Greeson, Jr.	Lenoir
Deborah Wood Hall	Durham
† George Ronnie Harrell	Edenton
Diane Jean Harrison	Raleigh
Ernest Guyler Herring	Lexington
James Allen Hinson	Salisbury
Brent Hodges	Fayetteville
Thomas Roland Jackson, Jr.	Kenly
Paul McDonald Jones	Charlotte
Harold Max Kern	Seagrove
Henry Lee King, Jr.	Cary
Morris Smith Lancaster, Jr.	Roanoke Rapids
† Alan James Lane	Carolcen

* Honors ** High Honors HHonors Program † In Absentia

Randal Luther Leonard	Lexington
Jack Lee Lunsford	Winston-Salem
†* Lois Watson McDaniel	Rocky Mount
Theodore McFarland	Goldsboro
Noble Philip McKnight	Arlington, Va.
Larry Randall McMaster	Fayetteville
** Paul Alan Martin	Raleigh
Jerry Wayne Parcell	Greensboro
Douglas Keith Rider	Westfield, N. J.
George Washington Sims, Jr.	Raleigh
Cynthia Ellen Souers	Greensboro
* William Ted Smith	Goldsboro
Anthony Clark Summerlin	Pine Level
Robert Dale Vaughn	Burlington
Thomas Michael Wahl	Raleigh
* Richard Stanley Wetmore	Raleigh
Edward William Whitehorne	High Point
** John Frazee Wilder	Durham
Paul Levi Williams, Jr.	Florence, S. C.
* Douglas Nichols Woods	Durham

BACHELOR OF ARTS IN GEOLOGY

Terry Frank Anderson	Baltimore, Md.
Billy Charles Bell	Jacksonville
William Geoffrey Kurfels	Fredericksburg, Va.
Susan Allen Montgomery	Burlington
Robert Ray White	Jacksonville
Alan Ralph Whitener	Hickory

BACHELOR OF SCIENCE IN GEOLOGY

†** Roy Mitchell Arrowood, Jr.	Durham
† John Scott Guthrie	Newton
Roger Dale Haney	Clyde
*H Lucy Shirah Hasell	Greensboro
Kenneth Lester Long, III	Henderson
Robert Manning Rogers	Morehead City
* Gary Allen Shell	Black Mountain
John Charles Sherrill	Hickory
Joseph Raymond Wilson	Marion

BACHELOR OF SCIENCE IN MATHEMATICS

Lemuel Carl Allen, III	Durham
Larry Lucas Bass, Jr.	Fayetteville
Frank Michael Boing	Goldsboro
**H Sandra Rosen Bright	Raleigh
† John Steven Cherry	Greensboro

* Honors ** High Honors H Honors Program † In Absentia

	Paul Charles Cihy	Wheeling, W. Va.
*	Darrell Luther Craddock	Eden
**H	Frederick William Derrick	Greenville
*	Paula Christine Heaton	New London
	Robert Allen Hester, Jr.	Hurdle Mills
	Philip Michael Holladay	Raleigh
*	Karyl Faye Jarvis	Covington, Va.
*	Jerry Thomas Jones	Greensboro
	Samuel Harding Key	Pilot Mountain
*	Janet Cheek Knott	Durham
*	Ralph Eric Lotee	North Caldwell, N. J.
*	Robert Murray Lucas	Raleigh
†	Frank Harold May	Red Oak
	Leanna Marie Mickler	Greensboro
**	Archie Henry Muse	Carthage
	James Leroy Newberry	Tarboro
	David Durham Overton	Ahoskie
**H	William Walter Perkinson	Rolesville
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	Steven Eric Reavis	Asheboro
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*	Genena Effie Scott	Greensboro
	Andrew Charles Stockert	Winston-Salem
*	Joseph Larry Stewart	Havelock
	James Nathaniel Witherington	Winston-Salem
*	David Edward Young	Richmond, Va.

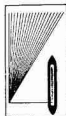
BACHELOR OF SCIENCE IN PHYSICS

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**	Roy Vesper Buck, Jr.	Elk Park
*	James Michael Dekle	Kinston
	Larry Herschel Green	Jacksonville
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*	William Thomas Blount	Clinton
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* Honors ** High Honors H Honors Program † In Absentia



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

Henry William Bateman	Norristown, Penna.
** Ping-Sun Ralph Cheung	Hong Kong
† John Yaden Daniels	Decatur, Ga.
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†† Ronald Steven Frank	Conover
Martin Leslie Gregory	Augusta, Ga.
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** Robert Stevenson Harvey	Gastonia
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Anne Jeanette King	Liberty
Harold Rudolf Krause	Ontario, Canada
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** Kwok Ching Lau	Hong Kong
** Choy Chow Ma	Hong Kong
Randall Paul Marchelletta	Clinton
† Anita Elizabeth Marshall	Hendersonville
† Ronald Lee Matthews	Halifax
* Worley Franklin Minton, Jr.	Lewiston
** Leon Sigmon Moser	Newton
†** Sun Chong Ng	Hong Kong
Gerald Edwin Rush	Norwood
** Cliff Luther Seastrunk, III	Asheville
Atticus Edwin Suttle	Shelby

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John Durham Beam, Jr.	Moorestown
Robert Clinton Bernard	Valdese
John Andrew Biggerstaff	Maiden
* Richard Dennis Black	Gastonia
William Robert Blevins	Winston-Salem
* Wayne Roger Booth	Gastonia
Gary James Bowers	Norwood
Royce Keith Boykin	Wilson
Robert Alfred Brooks	Shelby
† Roger Lane Broyles	Canton

* Honors ** High Honors

† In Absentia

**	David Malcolm Bruton	Troy
	John Michael Burton	Charlotte
	Mark Timothy Cain	Albemarle
	Reid McAuley Carter	Ellerbe
	William Jennings Caviness, Jr.	Greensboro
†	Kwong Chan	Hong Kong
	William Bryan Chandler	Asheboro
*	Glenn Preston Cheek	Graham
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	Bruce Edwin Cole	Candler
	Barry Alan Corbett	Burlington
	Gary Swain Cox	Goldsboro
	Monte Stephen Cranford	High Point
	Alejandro Augusto Dalmau	Ecuador, S. A.
*	Vern Kaven Davis	Roxboro
	Edwin Eugene Dunlap, Jr.	High Point
†	Paul Bayne Eaton	Yadkinville
*	Robert Michael Evans	Rockingham
	Charles William Eye	Baltimore, Md.
	Dean Gray Fogleman	Aberdeen
	David Scott Gardner	Warrenton
	David Smith Graves	Mount Airy
	Michael Leonard Greenwald	Gastonia
†	Wayne Anthony Greeson, Jr.	Snow Camp
	Larry Kenneth Griffin	Seven Springs
	Carey Cooper Gupton	Chester, Va.
*	Michael Wayne Hale	Roanoke Rapids
	Roger Glenn Hales	Wake Forest
	Charlie Leonard Hall	Hookerton
*	Johnnie Dow Hall	Autryville
	Ralph Frederick Hanson	Black Mountain
	Cecil Larry Harris	Roxboro
	Stephen Michael Hassell	Elizabeth City
*	James Gregory Herring	Goldsboro
†*	Conrad Dale Hicks	Greensboro
	Rodney Stuart Hicks	Durham
	John David Hinson	Concord
**	Eugene Mitchell House, Jr.	Scotland Neck
	Gilbert Ray Howard	Fayetteville
†	Rex Malcolm Johnson, Jr.	New Bern
†	William Edward Jones, Jr.	Fayetteville
*	Jerry Alexander Kilby	Boomer
	Ronald Gregory Lane	Moravian Falls
	Ronald Eugene LaPrade	Greensboro
†**	Miufook Michael Lok	Hong Kong
	Daniel Gary McRae	Mount Gilead
	Charles Michael Medlin	Durham
	William Wilson Modlin, Jr.	Lincolnton
	James Edward Moore	Farmville
	James Steven Morgan	Durham
*	Fleming Haws Morrison, Jr.	Manquin, Va.

* Honors

** High Honors

† In Absentia

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Tommy Michael Murphy	Summerfield
James Kenyon Palmer	Elizabeth City
David Lee Peacock	Sanford
John Webb Pruden	Plymouth
James Carstarphen Purnell, IV	Charlotte
Thomas William Qualman, Jr.	Sylvania, Ga.
Eugene Michael Rader	Morganton
Clyde Roland Reaves, Jr.	Mount Olive
† William Charles Revels	Williamston
†* Alan Norman Rhodes	Quebec, Canada
* Cary Eugene Richardson	Cooleemee
Ronald Harris Richardson	Salisbury
Loring Gerald Rivers	Kinston
† David Lane Rogers	Timberlake
Silas Harrison Russell, Jr.	Star
Robert Harold Salvin	Greensboro
* Larry Wayne Sanderson	Evergreen
** Kai-Wah Shih	Hong Kong
Mitchell O'Brien Simmons	Laurinburg
† Joshua Hamner Slaughter, III	Greenwich, Conn.
Charles Sumner Smart, III	Concord
Osborne Webster Smith, Jr.	Statesville
Sidney Dewayne Smith	Norwood
Ernest George Stellings, Jr.	Charlotte
Taylor Reams Stephens, Jr.	Dunn
† James Madison Stevens	Mount Holly, N. J.
Scotty Lee Stone	Lumberton
† Fitzhugh Lee Stout	Charlotte
Joseph Paul Stroup, Jr.	Lincolnton
Irving Allen Surratt	Denton
Thomas Wayne Threatt	Ranlo
Harris Brown Turley	Asheville
Thomas Moore Turner	Mount Olive
** Robert Alton Usher, Jr.	Raleigh
Lee Thomas Vernon	Stokesdale
John William Vogler, II	Mount Airy
* Mark Allen White	Dobson
David Eugene Whitley	Albemarle
Stephen Alexander Whitley	Oakboro
Elwood Lee Williams, Jr.	Raleigh
Henry White Williams, Jr.	Charlotte
William Anton Wilson	Raleigh
† James Lenoir Woltz	Mount Airy
* Benton Allen Yohe	Virginia Beach, Va.
Eugene Douglas Young	Eden
Robert Lovelleyn Young, Jr.	Aulander
Dennis Leon Younger	Mount Airy

* Honors ** High Honors

† In Absentia

Professional Degrees



CIVIL ENGINEER, STRUCTURAL OPTION

Rou Hang LiuTaiwan, China

CIVIL ENGINEER, TRANSPORTATION OPTION

Michael Thomas PattonHickory

INDUSTRIAL ENGINEER

James Ralph BattsCary

MECHANICAL ENGINEER

Charles Lloyd GarrenEnka

Masters Degrees



MASTER OF AGRICULTURE

Mukhtar Mekki KananiBata, Sudan

† Martha Walker SafforesCanton

† John Edgar StillmanSyracuse, New York

MASTER OF APPLIED MATHEMATICS

Johnny Sang-Chiang ChiTa-an County, Taichung, Taiwan

Suelyn Parkinson ChronisterWilmington

† David Andrew PultzGreensboro

Raphael Quentin SkrmettaNew Orleans, Louisiana

Johnson Chung-Keng WangHong Kong

MASTER OF ARCHITECTURE

† Siew Kheong FoongKuala Lumpur, Malaya

Richard Eugene McCommonsRaleigh

Esa Erkki PiironenHelsinki, Finland

† In Absentia

MASTER OF BIOLOGICAL AND AGRICULTURAL ENGINEERING

George JayachandraCoonoor, Tamil Nadu, India
(Degree granted posthumously)

MASTER OF CIVIL ENGINEERING

Somsak ChongrungreangBangkok, Thailand
John Eugene DavesAsheville
James Edgar DavisRaleigh
Grover Cleatus Dobbins, Jr.Raleigh
Dennis John FallonHampton, Virginia
William Leslie Hall, Jr.Stedman
William Wesley HunterSiler City
Ammar Melud KalifaTarahuna-Tripoli, Libya
Albert Vanmeter Lewis, Jr.Farmville
† Leslie Manson MeekinsAvon
Dheravot NontajulaphoBangkok, Thailand
† Robert Auburn ParrishVinton, Virginia
Dale Crum StewartGreensboro
Song Chu WuTaipei, Taiwan, China

MASTER OF ECONOMICS

† Timothy Flake BowlesHiddenite
† David Kenneth DanklefsFayetteville
Dennis Wayne GoinsRaleigh
Charles Ivan Mothershead, IIIReturn, Virginia

MASTER OF EDUCATION

Adult and Community College Education

Judith Keever BivensHickory
† Eugene Reglan BrewerFranklin
David Ronald BurnetteMorganton
Franklyn Minter CabanillasFayetteville
† Charles Thomas HarrimanCorpus Christi, Texas
Hubert Howard HodgkinReidsville
Linda Smith JohnsonGrifton
Rejeanne Bernier LeFrancoisRaleigh
William Theodore LuedersUnion City, New Jersey
Victor Bryant LynnRaleigh
David Stuart McIntyrePawtucket, Rhode Island
Charles Duncan McLeod, Jr.Sanford
Harriet Perlstein RosenthalFayetteville
Sue Dossett SkinnerLittleton
Charles Anthony StulgaWorth, Illinois
Samuel Johnson YoungYadkinville

Agricultural Education

John Kelly Baldwin, IIIBladenboro
Gilbert Ashley LewisFairmont

† In Absentia

John Tyson Mills	Fairmont
Stephen Wood Smith	Burlington

Guidance and Personnel Services

† Peggy Whitt Burris	Louisburg
† Ronald Gomer Evans	Raleigh
† Rauna Carol Fuller	Cape Hatteras
William Hutcheson Gavan	Jensen Beach, Florida
† Susan Walker Gustafson	Wilmington
Sandra Peyser Hazouri	Miami, Florida
Glenda Noble Johnson	Raleigh
† Patricia Armstrong Johnson	Winston-Salem
Donald Ray Just	Fort Bragg
Dennis Joseph Kirby	Fayetteville
Wilhelmina Maria Krapels	Raleigh
John Blain Myers	Durham
Mildred Edwards Rouse	Fairmont
Lee Watson Sloan	China Grove
Carol Reese Wildonger	Hershey, Pennsylvania

Industrial Arts Education

Donald Graham Strickland	Pine Level
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Vocational Industrial Education

Diana Garrard Ball	Durham
James Henry Faison, Jr.	Rocky Point
Robert Wayne Herndon	Apex
Woodrow Haskell Myers	Dunn
John Buchanan Niceley	Rockingham
Dale Lewis Van Horn	Washington

MASTER OF ELECTRICAL ENGINEERING

Randall Lee Corn	Durham
Atul Jai	Bombay, India
† Gary Anderson Killen	Florence, S. C.
Charles Herbert Wolf	Tonawanda, New York

MASTER OF FOOD SCIENCE

Mario Torrico-Balderamo	La Paz, Bolivia, South America
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MASTER OF FORESTRY

Laurens Gifford Jervis	Fayetteville
Julian Roque Meimban, Jr.	Morning Breeze, Caloocan City, Philippines

MASTER OF INDUSTRIAL ENGINEERING

† Richard Joseph Armstrong	Greensboro
† Larry Joe Blanton	Raleigh

† In Absentia

Sam Antony Portaro	High Point
Manoj Kumar Shah	Calcutta, India
† Robert Joseph Stanzione	Burlington
† James Ewell Brown Stuart, Jr.	Manhasset, New York
Donald Ray West	Four Oaks

MASTER OF LANDSCAPE ARCHITECTURE

William Louis Flournoy, Jr.	Raleigh
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† William Mark Antosek	Salisbury
Eric Walter Lee Chandler	Raleigh
Shun-Kuei Chung	Sharon Hill, Pennsylvania
† Robert Lee Marlin	Statesville
Kenneth Irving Page	Lumberton
James Marion Shoaf	Salisbury

MASTER OF MECHANICAL ENGINEERING

† Vithalray Venkatesh Bhat	Bombay, India
† Ronald Lester Hawks	Raleigh
Rashmi Hiralal Mehta	Addis Ababa, Ethiopia
Tyan-Mu Barry Niu	Ho-Pei Province, China
Mahendra Raojibhai Patel	Baroda, Gujarat, India
Ali Abolgasim Shibani	Tripoli, Libya

MASTER OF PRODUCT DESIGN

David Bradley Cameron	Raleigh
Pichit Liampipatana	Phitsanuloke, Thailand
Ronald Brandon Olson	Raleigh
Hege Hill Russ	Winston-Salem
Walter Waldermiere Wiebe	Raleigh

MASTER OF PUBLIC AFFAIRS

† Swanee Rae Maddox Austin	Raleigh
James Gibson Bristow	Tustin, California
Richard Thomas DeLoe	Waynesboro, Pennsylvania
† Lynn E. Tucker	Raleigh
Donald Roger Woolard	Raleigh

MASTER OF RECREATION RESOURCES

Danny Blair Keir	Teachey
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MASTER OF SOCIOLOGY

Linda Katherine Rand	Raleigh
Ollie Bruce Winston	Chicago, Illinois

† In Absentia

MASTER OF STATISTICS

† Surangi Chandrakant Gandhi	Bombay, India
† Claude Guerard	Shawinigan, Canada
William Davis Johnson	Baton Rouge, Louisiana

MASTER OF TEXTILE TECHNOLOGY

Jerry Jen-Yu Chen	Taipei, Taiwan, China
Oludotun Akintoye Ilo	Iloro, Nigeria
Chuan-Hsien Lee	Keelung, Taiwan, China

MASTER OF WOOD AND PAPER SCIENCE

Ching Kuei Lin	Chia-I, Taiwan, China
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MASTER OF ARTS

English

† Amelia Hooks Harrison	Chapel Hill
† Marcia Bell Jones	Raleigh
† Shuckran Abdelhamid Kamal	Raleigh
Ronald Arthur Kemp, Jr.	New Bern
Randy Franklin Nelson	Mooreville
Peggy Blanks Shearin	Laurinburg

MASTER OF SCIENCE

Adult and Community College Education

Christie Neill McLeod	Raleigh
-----------------------------	---------

Animal Science

Leon Allen Sheean	Manchester, Connecticut
Tommy Ray Willard	Liberty

Chemical Engineering

† David Lee Ashcraft	Pine Bluff, Arkansas
Charles Eric Rodes	Apex
† Mukundkumar Amratlal Shah	Ahmedabad, India

Civil Engineering

Nuri Fituri El-Madani	Tripoli, Libya
-----------------------------	----------------

Crop Science

Robert Dale Edwards	Bath
Nuansri Siluttamabucha	Bangkok, Thailand

Electrical Engineering

Ronald Thomas Gross	Cleveland, Ohio
---------------------------	-----------------

† In Absentia

Samuel MathanHyderabad, India
Anikara RangappanMadras, India

Entomology

Jimmy David CranfordSalisbury
† Ralph Wills FlowersPittsfield, Massachusetts
Prakaschandra Virchand ShahSejwad, Gujarat, India

Forestry

† Sheikh IbrahimKepong, Selangor, West Malaysia
Sjafii MananBogor, Indonesia

Geology

George Herbert LiggonCary

Industrial Engineering

Shashikant Devappa PuthranBombay, India

Materials Engineering

William Elbert CookNew Bern
Khalid Hameed KhanLahore, Pakistan

Mathematics Education

† Sister Mary Hugh MauldinBelmont

Mechanical Engineering

† Satishkumar Babulal KinariwalaSurat, Gujarat, India
Larry Clifford RashNewport News, Virginia

Nuclear Engineering

Richard Dean CalderDallas, Texas
Eugene Octavius Eagle, Jr.Greensboro
† Albert Mossad MitryCairo, Egypt
† Alan Lloyd SkerkerNew York, New York

Physics

Ragini M. ShahAhmedabad, India

Physiology

† Richard Bernard MailmanRaleigh
Mary Sandra StultzRed Springs

Plant Pathology

† Tyler Brown WarrenRobersonville

† In Absentia

Psychology

James Alan Gardner	Bloomington, Indiana
Denise Inkeles Holzman	Raleigh
Kenneth Marc Kramer	Valley Stream, New York

Rural Sociology

Florencio Enrique Andrade-Martinez	Bogota, Colombia, South America
† James Elmer Hardin	East Point, Georgia

Textile Chemistry

† Douglas Lee Faulkner	Warrenton
† Emmitt Hickerson Johnson	Charlotte

Textile Technology

Agaram Subramanian Abhiraman	Madras, India
Gulgunji Ramachandra Bhat	Mysore, India
Tushar Bharatbhai Dalal	Ahmedabad, Gujarat, India
Suresh Vishwanath Deshpande	Rochester, New York
Libardo Puerta	Medellin, Colombia, South America

Wood and Paper Science

Martin Clemens Schroeter	Munich, Germany
† Roman Stefan Sopko	Raleigh

Zoology

Charles Samuel Manooch, III	Raleigh
† Monte Arthur Mayes	Red Lion, Pennsylvania
Preston Parks Pate, Jr.	Snow Hill

† In Absentia

Doctor of Education Degrees

- Grover Jene Andrews, Adult and Community College Education
Raleigh, North Carolina
Dissertation: A Study of Public Service in Higher Education: A Status Study of Accreditation in Adult and Continuing Education Programs. (Under the direction of Edgar John Boone).
- Edward Blake Bright, Adult and Community College Education
Grifton, North Carolina
Dissertation: A Comparative Analysis of Two Instructional Methods for Adults Pursuing High School Equivalency Programs. (Under the direction of Edgar John Boone and James D. George).
- Walter Lee Cox, Jr., Occupational Education
Greenville, North Carolina
Dissertation: An Assessment of the Effectiveness of North Carolina's Introduction to Vocations Program. (Under the direction of Durwin M. Hanson).
- William Johnson Dawson, Jr., Adult and Community College Education
Eden, North Carolina
Dissertation: A Study of Faculty Advising of College-Transfer Students in Two North Carolina Community Colleges. (Under the direction of Edgar John Boone).
- † Jose Ricaurte Garcia, Adult and Community College Education
Bogota D. E., Colombia, South America
Dissertation: A Study of the Colombian Agricultural Institute (ICA) Extension Agents' Program Planning Role. (Under the direction of Ronald W. Shearon and Edgar John Boone).
- † Sarah Hall Goodwin, Adult and Community College Education
Milwaukee, Wisconsin
Dissertation: Development and Evaluation of a Sentence-Repetition Test of Non-standard Dialect for Black Adult Basic Education Students. (Under the direction of Edgar John Boone and Emily H. Quinn).
- † Cleve Wilson Lane, Jr., Adult and Community College Education
San Diego, California
Dissertation: Professional Preparation and In-Service Training of Learning Laboratory Coordinators. (Under the direction of Jerry Parsons and Edgar John Boone).

† In Absentia

- Charles Dwaine Livengood, Occupational Education
Raleigh, North Carolina
- Dissertation: An Analysis of the Program of Continuing Education in Textiles at the North Carolina State University School of Textiles. (Under the direction of Durwin Melford Hanson).
- Elinor Tripato Massoglia, Adult and Community College Education
Chapel Hill, North Carolina
- Dissertation: Cloze Procedure as a Predictor of Course Grade-Point Average of Graduate Students Enrolled in a Course in Adult Education. (Under the direction of Emily H. Quinn).
- Lena Pearl Mayberry, Adult and Community College Education
Rutherfordton, North Carolina
- Dissertation: William Dallas Herring: Leader in Five Issues in Education in North Carolina, 1955-1965. (Under the direction of Jerry Parsons and Edgar John Boone).
- John Cutting Merritt, Adult and Community College Education
Statesville, North Carolina
- Dissertation: A Study of Selected Factors and Their Relationship to the Academic Success of College-Transfer Students at Sandhills Community College. (Under the direction of Edgar John Boone).
- † Krell Bayne Napps, Adult and Community College Education
Bristol, Virginia
- Dissertation: The Relationship of Self-Concept and Internal-External Control to the Academic Achievement of Learners in Adult Basic Education Programs. (Under the direction of Emily H. Quinn).
- Roland Leonel Roy, Occupational Education
Matthews, North Carolina
- Dissertation: A Study of the Articulation of Occupational Education from the North Carolina Public School System through the Community College System. (Under the direction of Joseph T. Nerden).
- Wayne Paysour Smith, Adult and Community College Education
Troutman, North Carolina
- Dissertation: An Analysis of Training Needs and Learning Activities of Community 4-H Adult Leaders as Perceived by a Selected Group of North Carolina 4-H Leaders. (Under the direction of Edgar John Boone and Ronald W. Shearon).
- William Carter Smith, Adult and Community College Education
Raleigh, North Carolina
- Dissertation: A Heuristic Model for Organization Development with Implications for Educational Organization. (Under the direction of Jerry Parsons and Edgar John Boone).

Phillip Wynne Taylor, Adult and Community College Education

Roanoke Rapids, North Carolina

- Dissertation: An Analysis of Selected Factors Associated with the Achievement of Transfer Students from Twelve North Carolina Community College with Those of Regularly Enrolled Four-year Students at East Carolina University. (Under the direction of Edgar John Boone).

Doctor of Philosophy Degrees

Refaat Adib Abdel-Malek, Civil Engineering

Alexandria, Egypt

- Dissertation: Analysis of Isolated Core Sandwich Panel. (Under the direction of Donald L. Dean).

Raymond Omavube Agbanobi, Civil Engineering

Ovrode, Nigeria

- Dissertation: Project Appraisal in a Developing Economy: A Master Plan Project for the Metropolitan Area of Lagos. (Under the direction of Charles Smallwood, Jr.).

Ernest George Alexander, Chemical Engineering

Pine Bluff, Arkansas

- Dissertation: Structure-Property Relationships in Heat Pipe Wicking Materials. (Under the direction of James K. Ferrell).

William Robeson Allen, III, Zoology

Wilmington, North Carolina

- Dissertation: Histochemical Studies on *Pharyngostomoides adenocephala* Beckerdite, Miller, and Harkema, 1971. (Under the direction of Reinard Harkema).

† Koichiro Arita, Chemical Engineering

Iruma-gun, Saitama, Japan

- Dissertation: Polymerization of Vinyl Chloride in the Presence of Precipitants. (Under the direction of Vivian T. Stannett).

James Joseph Boedicker, Biological and Agricultural Engineering

High Point, North Carolina

- Dissertation: A Moving Air Source Probe for Measuring Soil Air Permeability. (Under the direction of Henry Ditimus Bowen).

Robert Duncan Borgman, Psychology

Hickory, North Carolina

- Dissertation: Maternal Influences upon Development of Moral Reasoning in Retarded Children. (Under the direction of Bruce A. Norton).

- † John Edward Brown, Economics and Statistics
Gainesville, Florida
Dissertation: A Study of the Economic Variables Affecting the Valuation of a Human Life in Legal Decisions. (Under the direction of Thomas Dudley Wallace).
- † Edward Reap Buckner, Forestry
Brevard, North Carolina
Dissertation: The Influence of Fertilization and Irrigation Treatments on Trees in a Natural Yellow-Poplar Stand and on Planted Seedlings of Selected Species. (Under the direction of T. Ewald Maki).
- Cheng-Wu Cheng, Wood and Paper Science
Tainan, Taiwan, China
Dissertation: On the Existence and Nature of Covalent Bonds Between Lignin and Polysaccharides in Sprucewood. (Under the direction of Knut Paul Kringstad).
- † Charlie Grover Coble, Biological and Agricultural Engineering
Holly Hill, South Carolina
Dissertation: A Mathematical Simulation of Water Movement in Unsaturated Soil During Drying. (Under the direction of Henry Dittimus Bowen).
- Alvin McNutt Cruze, Economics
Raleigh, North Carolina
Dissertation: Determinants of Curriculum Offerings in the North Carolina Community College System. (Under the direction of Robert Morcom Fearn and Thomas Dudley Wallace).
- † Michael Patrick Cuddy, Economics
Glinsk, Galway, Ireland
Dissertation: Apple Production Strategies for North Carolina Growers. (Under the direction of E. C. Pasour, Jr.).
- † Sophia Ioannou Efstratoglou, Economics
Athens, Greece
Dissertation: The Economic Effect of Inter-County Transfer of Flue-Cured Tobacco Quota. (Under the direction of Dale Max Hoover).
- Ali Maher Mohamed El-Adl, Crop Science
El-Mahmodia, Egypt
Dissertation: Partition of Genetic Variance in an Experimental Cotton Population. (Under the direction of Philip Arthur Miller).
- Kenneth Henry Falter, Statistics
Somerville, New Jersey
Dissertation: A Mathematical Model for the Energy and Protein Metabolism of Homeotherms. (Under the direction of Henry L. Lucas).

† In Absentia

- Howard Ferris, Plant Pathology
Raleigh, North Carolina
Dissertation: Population Dynamics of *Meloidogyne* spp. in Relation to the Epidemiology and Control of Root Knot of Tobacco. (Under the direction of Charles Joseph Nusbaum).
- Murray Campbell Fusee, Nutrition and Microbiology
Upper Saddle River, New Jersey
Dissertation: Study of the Cell Envelope of *Ruminococcus albus*. (Under the direction of James Murray Leatherwood).
- William Cullen Grant, Zoology
Mullins, South Carolina
Dissertation: An Electron Microscope Study of *Pharyngostomoides procyonis* Harkema, 1942. (Under the direction of Reinard Harkema).
- James William Harrison, Jr., Electrical Engineering
Pensacola, Florida
Dissertation: Electron Mobility in Alloys of Direct Band Gap III-V Compounds. (Under the direction of John Reid Hauser).
- Stanton Fred Hoegerman, Genetics
Lincoln University, Pennsylvania
Dissertation: The Enlargement of Heterochromatin from *Nicotiana otophora* Griseb. in Hybrids with *N. tabacum* L. (Under the direction of Dan U. Gerstel).
- Charles Michael Hudson, Materials Engineering
Williamsburg, Virginia
Dissertation: An Experimental Investigation of the Effects of Vacuum Environment on the Fatigue Life, Fatigue-Crack-Growth Behavior, and Fracture Toughness of 7075-T6 Aluminum Alloy. (Under the direction of Charles R. Manning).
- Gay Melton Jividen, Botany
Charleston, West Virginia
Dissertation: Temperature and Anaerobic Effects upon the Normal Germination of Cotton and the Differentiation of Periods of Chilling as a Function of Internal Oxygen Utilization. (Under the direction of J. Robert Downs and G. Ray Noggle).
- David West Johnston, Civil Engineering
Greensboro, North Carolina
Dissertation: Hollow Prestressed Concrete Beams under Combined Torsion, Bending and Shear. (Under the direction of Paul Zia).
- † Sang Yong Kim, Fiber and Polymer Science
Seoul, Korea
Dissertation: Bending Characteristics of Multifilament Yarns. (Under the direction of Solomon Philip Hersh and Aly H. M. El-Sheikh).

† In Absentia

- Jennings Harold Kitzmiller, Jr., Forestry
Elkins, West Virginia
- Dissertation: Response of Sycamore (*Plantanus occidentalis* L.) Families to Nitrogen Fertilization. (Under the direction of Bruce J. Zobel).
- † John Thomas Kriese, Nuclear Engineering
Dallas, Texas
- Dissertation: Analytical Methods in Particle Transport Theory. (Under the direction of Charles Edward Siewert).
- Tze Fen Li, Mathematics
Fengshan, Taiwan, China
- Dissertation: On Topologies for Continuity of Sario's Normal Operator in Elliptic Partial Differential Equations. (Under the direction of Paul A. Nickel).
- Charles Hambly McDonald, Chemistry
Raleigh, North Carolina
- Dissertation: Sodium Amide Catalyzed Decomposition of Acetophenone p-Nitrophenylhydrazone. (Under the direction of Louis Allman Jones).
- Daniel Joseph McMahon, Physics
Carteret, New Jersey
- Dissertation: An Experimental Investigation of the Sodium D₂ Radiation from the Earth's Atmosphere during the Day. (Under the direction of Edward R. Manring).
- Jaque Verner Mason, Nutrition
Raleigh, North Carolina
- Dissertation: Influences of Biotin Deficiency on Avian Fatty Acid Metabolism. (Under the direction of William E. Donaldson).
- Thomas Miller, Plant Pathology
Fletcher, North Carolina
- Dissertation: Infection and Colonization of Slash Pine Seedlings by *Cronartium fusiforme*. (Under the direction of Ellis Brevier Cowling).
- † Kent Douglas Nash, Economics
Bowling Green, Ohio
- Dissertation: The Demand for Hospital Construction and Other Expenditures for Medical Care. (Under the direction of Edward Walter Erickson and Ronald Arthur Schrimper).
- Padmaker Madhav Niskeode, Mechanical Engineering
Wendell, North Carolina
- Dissertation: The Effect of the Thermoelastic Coupling on the Eigenvalue Distribution in Structures. (Under the direction of Franklin D. Hart).

† In Absentia

- Joseph Wayne Pace, Mathematics
Spring Hope, North Carolina
Dissertation: Iterative Methods in Banach Spaces. (Under the direction of W. G. Doitson, Jr.).
- Warren Trent Piver, Chemical Engineering
Beaufort, North Carolina
Dissertation: Vaporization Heat Transfer with Wick Covered Heated Surfaces. (Under the direction of James K. Ferrell).
- Charles Bruce Pollock, Materials Engineering
Clinton, North Carolina
Dissertation: An Investigation into the Phase Stability in the Systems Iron-Tungsten-Carbon and Cobalt-Tungsten-Carbon. (Under the direction of Hans Heinrich Stadelmaier).
- † Arthur Steven Rabinowitz, Electrical Engineering
Raleigh, North Carolina
Dissertation: On the Value of the Fano Algorithm in Establishing the Graphemic Form of Machine-Derived Phonetic Strings. (Under the direction of J. B. O'Neal, Jr. and Alfred J. Goetze).
- † John Charles Rennie, Forestry
Berea, Ohio
Dissertation: The Effect of Competition and Density on Dry Weight. (Under the direction of Thomas O. Perry and William L. Hafley).
- Donald Lee Rockwood, Forestry
Rockford, Illinois
Dissertation: Aspects of Monoterpene Composition in Loblolly Pine. (Under the direction of Bruce J. Zobel).
- † James Garrett Ryan, Economics
Leeton, Australia
Dissertation: A Generalized Crop-Fertilizer Production Function. (Under the direction of E. C. Pasour, Jr.).
- Nicolaos Argyrios Senoglou, Crop Science
Thessalonike, Greece
Dissertation: Effects of Recurrent Seed Irradiation on Genetic Variability and Recombination in Cotton, *Gossypium hirsutum* L. (Under the direction of Phillip A. Miller).
- Elsa Clotilde Servy, Statistics
Buenos Aires, Argentina
Dissertation: Univariate, Multivariate and Incomplete Multivariate Non-parametric Mixed Models in the Analysis of Incomplete and/or Non-Orthogonal Two-Way Layout Experiments. (Under the direction of Arnold H. E. Grandage and Thomas M. Gerig).

† In Absentia

- † Mohammed Ali Siahkolah, Fiber and Polymer Science
 Tehran, Iran
 Dissertation: Morphology and Mechanical Properties of Cellulose Acetate Grafted with Polyacrylonitrile. (Under the direction of William K. Walsh).
- † Sammie Louie Sides, Botany
 Menard, Texas
 Dissertation: Internal and External Transport of Algae, Protozoa and Fungi by Sea Gulls. (Under the direction of H. E. Schlichting, Jr.).
- Robert Frederick Steen, Electrical Engineering
 Raleigh, North Carolina
 Dissertation: On the Use of a Communication Processor for Error Detection with a Cyclic Code and Error Correction with Binary BCH (Bose-Chadhuri-Hocquenhem) and Fire Codes. (Under the direction of John Benjamin O'Neal, Jr.).
- Earl Max Sudweeks, Animal Science
 Kingston, Utah
 Dissertation: Effects of Treating Soy Flour with Acid or Alkali in Relationship to Its Use as a Milk Replacer Ingredient. (Under the direction of Harold A. Ramsey and Evan E. Jones).
- Kroekchai Sukanjajtee, Chemical Engineering
 Bangkok, Thailand
 Dissertation: The Stimulation of a Continuous Ball Mill by Segregated Flow and Tanks-in-Series Models. (Under the direction of Robin Pierce Gardner).
- Abd-elfattah Mahmoud Mohamed Taher, Fiber and Polymer Science
 Cairo, Egypt
 Dissertation: The Polymerization of D-glucose, and the Characterization of the Color and Resinous Material Which Result from Glucose Degradation under Acid Catalysis. (Under the direction of David M. Cates).
- † Daniel Roderick Talhelm, Forestry and Economics
 Okemos, Michigan
 Dissertation: Analytical Economics of Outdoor Recreation: A Case Study of the Southern Appalachian Trout Fishery. (Under the direction of Gordon Arthur Hammon and Joe Oscar Lammi).
- Hsi-Tang Tung, Microbiology
 Taiwan, China
 Dissertation: Biochemistry of Aflatoxicosis in Poultry. (Under the direction of Pat Brooks Hamilton).

† In Absentia

- Rangaswami Varadarajan, Civil Engineering
Poona, India
- Dissertation: A Quantitative Study of a Mathematical Model for Plastic Deformation of Crystalline Aggregates. (Under the direction of Kerry S. Havner).
- † Garland Laurin Wheeler, Botany
Gainesville, Florida
- Dissertation: The Effects of Fluorine on the Cycling of Calcium, Magnesium and Potassium in Pine Plantations of Eastern North Carolina. (Under the direction of Arthur Wells Cooper).
- Ivan Eugene Wilkinson, Mechanical Engineering
Charlotte, North Carolina
- Dissertation: Elastic Buckling of Orthotropic Plates Loaded in Nonuniform Distributions of In-Plate Uniaxial Compression and Edge Shear. (Under the direction of Carl Frank Zorowski).
- Roy Edward Young, Biological and Agricultural Engineering
Norlina, North Carolina
- Dissertation: Investigations of Roll and Pitch in Off-Road Vehicles Including Active Seat Suspension. (Under the direction of Charles W. Suggs).

DEGREES CONFERRED

July 8, 1971

August 13, 1971

December 20, 1971

School of Agriculture and Life Sciences



BACHELOR OF SCIENCE IN BIOLOGICAL AND AGRICULTURAL ENGINEERING

Jointly Administered by the School of Agriculture and
Life Sciences and the School of Engineering

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** Robert Earl Richards (December, 1971)	Bostic
**H Walter Ray Swicegood (December, 1971)	Raleigh

BACHELOR OF SCIENCE IN CONSERVATION

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Life Sciences and the School of Forest Resources

Johnny Apostolos Paul Georgiou (December, 1971)	Raleigh
Ryland Ernest Knott (July, 1971)	Durham
Richard Lee Lowder (December, 1971)	Albemarle
David Hargrave Schiller (July, 1971)	Goldsboro
Anne Carter Sprinkle, Jr. (August, 1971)	Raleigh
Donald Bain Stilwell, III (July, 1971)	Mayodan
Jill Richmond Stivers (December, 1971)	Raleigh
John Robert Strider, Jr. (December, 1971)	Troy
Archie Battle Whitley, III (July, 1971)	Rocky Mount

BACHELOR OF SCIENCE

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Charles Ham, III (August, 1971)	Winston-Salem
Rafael Mejia Lopez (December, 1971)	Bogota, Colombia, S. A.
James Itasca Owens, III (December, 1971)	Raleigh

** High Honors H Honors Program

John Hamer Pate (December, 1971)	Rowland
Gerald Lee Sprinkle (July, 1971)	Hiddenite
Dennis Russell Waller (December, 1971)	Mount Olive

Agronomy

Carlos Alfredo Botero (December, 1971)	Manizales, Colombia, S. A.
Raymond Durwood Coltrain (December, 1971)	Oak City
Ralph Patrick Gentry (December, 1971)	Maxton
Louie Henry Johnson (December, 1971)	Kinston

Animal Science

John Quincy Adams, V (December, 1971)	Pantego
Michael Carl Browning (July, 1971)	Durham
Richard Keith Chesnutt (August, 1971)	Washington
William Steven Cline (December, 1971)	Thomasville
William Joseph Currin (December, 1971)	Oxford
Landon Cheek Davis, Jr. (July, 1971)	Warrenton
** Clyde Hugh Everhart (December, 1971)	Lexington
Randall Wood Guthrie (December, 1971)	Gaston
Harvey Lee Leary, Jr. (December, 1971)	Durham
Bealie Wallace Martin (December, 1971)	Conway
Lanie Brown Powell (December, 1971)	Smithfield
Steve Calvin Riddick (December, 1971)	Belvidere
Russell Kenneth Salisbury (July, 1971)	Charlotte
* Elizabeth Rose Stafford (December, 1971)	High Point
Charles Howard Stamey (December, 1971)	Statesville
* Linwood Braddy Windley, Jr. (July, 1971)	Weldon

Biological and Agricultural Engineering

Carlos Alfredo Botero (December, 1971)	Manizales, Colombia, S. A.
Lewis Everett Davis (December, 1971)	Pikeville
Randy Glenwood Jones (December, 1971)	Willow Springs
Lloyd Michael Pridgen (July, 1971)	Kinston
Kerr Thomas Stevens (August, 1971)	Raeford
*H Jesse DeWitt Williams (December, 1971)	Suffolk, Va.

Biological Sciences

* David George Fisher (August, 1971)	Candler
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Crop Science

Thomas Washington Harris, Jr. (December, 1971)	Louisburg
------------------------------------------------	-----------

Entomology

James Roy Collins (July, 1971)	Fayetteville
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Food Science

Gerald Quinn Lingerfelt (December, 1971)	Rural Hall
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* Honors ** High Honors H Honors Program

Samuel Davis Thomas (December, 1971)Marshallberg
 Anna Rayford Worsham (December, 1971)Dunn

Horticultural Science

Randy Blake Hefner (December, 1971)Conover

Poultry Science

Michael Anthony Neal (December, 1971)Raleigh
 Roy Dwight Williamson (July, 1971)Wilkesboro

Rural Sociology

Lincoln Grant Godwin (December, 1971)Dunn

Zoology

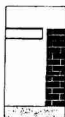
Wildlife Biology

* Gordon Lee Hammon (December, 1971)Raleigh
 Anne Carter Sprinkle, Jr. (December, 1971)Raleigh
 Charles Thomas Williams, IV (August, 1971)Avon

Zoology

Richard Keith Chesnutt (August, 1971)Washington
 David Linwood Edwards (December, 1971)Raleigh
 Larry Alan Hannibal (December, 1971)Raleigh
 Robert Michael Hatcher (July, 1971)Wilmington
 David Leroy Hughes (December, 1971)Elon College
 Richard Dwight Jordan (July, 1971)Raleigh
 Rita Nadale Pollard (December, 1971)Raleigh
 * Brenda Lee Rowe (July, 1971)Mount Olive
 Joseph Harold Roycroft, Jr. (July, 1971)New Hill
 * Elizabeth Rose Stafford (December, 1971)High Point

School of Design



BACHELOR OF ENVIRONMENTAL DESIGN

Donald Edward Weaver (August, 1971)Raleigh

* Honors



BACHELOR OF ARTS IN PSYCHOLOGY

** Carol Hipp Averitt (December, 1971)	.....	Loris, S. C.
Robert Michael Hanes (December, 1971)	.....	Winston-Salem
William Reynolds Roberts (July, 1971)	.....	Raleigh
** Phillip Edward Scuderi (December, 1971)	.....	Washington

BACHELOR OF SCIENCE IN EDUCATION

Agricultural Education

* Rondy Louie Adkins (December, 1971)	.....	Reidsville
* Harvey Gerald Beckham (December, 1971)	.....	Franklinton
Franklin Eugene Benton (July, 1971)	.....	Fuquay-Varina
John Drue Morgan (December, 1971)	.....	Marshville
William Michael Reaves (December, 1971)	.....	Willow Springs
June Lee Richey (December, 1971)	.....	Bailey
Fred Eugene Williams (December, 1971)	.....	Charlotte

Industrial Arts Education

* Roy Lee Caudill (December, 1971)	.....	Asheboro
Stanley Walker Causby (December, 1971)	.....	Rutherford College
Thad McNeal Craven, Jr. (December, 1971)	.....	Greensboro
Lester Furman Crenshaw, III (December, 1971)	.....	Gastonia
Forest Lee Oakley (December, 1971)	.....	Oxford
Richard Lane Watts (December, 1971)	.....	Raleigh
Charles Ray Whitford (December, 1971)	.....	New Bern

Mathematics Education

* Mary Ellen Dibbert (December, 1971)	.....	North Attleboro, Mass.
Leonard LeRoy Friday (December, 1971)	.....	Gastonia
* Joseph Carl Greene, Jr. (December, 1971)	.....	Cary
Cynthia Whitehurst Jarman (December, 1971)	.....	Bethel
* Mary Patricia Jenkins Jones (December, 1971)	.....	Mt. Vernon, Ohio
** Leah Creed Margerison (December, 1971)	.....	Gastonia
Patricia Turner Moore (December, 1971)	.....	Raleigh
* Phyllis Holloman Overton (December, 1971)	.....	Harrellsville
* Malinda Lou Pearce (December, 1971)	.....	Ahoskie
* Donnie Earl Peedin (December, 1971)	.....	Princeton
Susie Maria Pope (December, 1971)	.....	Fairbanks, Alaska
Elliott Russell Secrest, Jr. (December, 1971)	.....	Cary
Catherine Golden Williams (December, 1971)	.....	Matthews

* Honors ** High Honors H Honors Program

Science Education

Teresa Faith Coston (December, 1971)	Raleigh
Duane Joines Davis (December, 1971)	Sparta
Mary Carolyn Dixon (December, 1971)	Raleigh
Richard Arthur Lanoy (December, 1971)	Patton, Penna.
Robert Terry Ross (December, 1971)	Littleton

Vocational Industrial Education

Robert Bruton Britt (August, 1971)	La Grange
------------------------------------------	-----------

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

Ronnie Fredrick Clark (July, 1971)	Zebulon
------------------------------------------	---------

School of Engineering



BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING

* Thomas Victor Almquist (December, 1971)	Cockeysville, Md.
Stanley Howard Edwards, Jr. (August, 1971)	Indian Trail
* Carl Edward Freeman (December, 1971)	Lexington
Gary Wayne Furr (July, 1971)	Albemarle
Ronald Miller Harper (December, 1971)	Clemmons
Salvatore Anthony Maiorano (December, 1971)	West Haverstraw, N. Y.
Ned Krimminger Miller, II (December, 1971)	Concord
Augustus Roscoe Thompson, Jr. (July, 1971)	Durham

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

Michael Steven Hartman (December, 1971)	Winston-Salem
LeRoy Honeycutt, III (December, 1971)	Winston-Salem

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Charles Henry Brock (December, 1971)	Canton
Walter Rawlins Harris, Jr. (July, 1971)	Atlanta, Ga.
William Ronald Haynes (December, 1971)	Morganton
Henry Derr Leonhardt, II (December, 1971)	Morganton
Richard Jay Vong (July, 1971)	Denver, Colo.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Jerry Leonard Bell (December, 1971)	Statesville
Stanley Clair Boyd (December, 1971)	Pineville
Larry Jack Cordell (December, 1971)	Hickory

* Honors

Robert Paul Donato (December, 1971)	Wayne, Penna.
* Manuel Antonio Garcia Cano (December, 1971)	Miami, Fla.
Charlie Franklin Gee (December, 1971)	Bowling Green, Va.
Michael David Holveck (December, 1971)	Allentown, Penna.
William Clayton Howard (August, 1971)	High Point
* Edward Louis Kornegay (July, 1971)	Mount Olive
Jack Anderson Leonard, Jr. (December, 1971)	Lexington
Frank Tyndall Lewis (December, 1971)	Farmville
Keith White Little (July, 1971)	Fayetteville
Joseph Barber Lowrance (December, 1971)	Moorestown
Joseph Wilson McKay (December, 1971)	Cameron
James Daniel Marlowe (August, 1971)	Asheville
Breece Caldwell Nesbitt, Jr. (December, 1971)	Elizabethtown
James Hanson Pridgen (December, 1971)	Wilmington
* Daniel Joseph Sarik (December, 1971)	Lebanon, Penna.
* Robert Kenneth Schultz (December, 1971)	Raleigh
John Schuster, III (December, 1971)	Newtown Square, Penna.
Wilson Bryan Staley, II (December, 1971)	Greensboro
Gary Byron Warren (December, 1971)	Asheville
* Recil Hoyle Wright (August, 1971)	Maiden
Gary Mikel Zickefoose (December, 1971)	Buckhannon, W. Va.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING, CONSTRUCTION OPTION

Thomas Stephen Crews (July, 1971)	Wilmington
Robert Oliver Gaebe (December, 1971)	Greensboro
Earl Pleasant Guill, Jr. (December, 1971)	Wilson
* Jay Chauncey Hoover (December, 1971)	Fairfax, Va.
Robert Ellis McKinney (December, 1971)	Swannanoa
Charles Dana Quel (July, 1971)	Sandston, Va.
Dillon Ward Rose (July, 1971)	Rocky Mount
William Fred Stewart (December, 1971)	Ramsey, N. J.
James Gregory Tripp, III (December, 1971)	Greensboro

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Jasper Frank Cole (December, 1971)	Raleigh
Steve Windfield Boyd (August, 1971)	Lenoir
Alfred Henry Ellington, Jr. (December, 1971)	Eden
Ralph Yates Faulk (December, 1971)	Charlotte
* Richard Warren Harding (December, 1971)	Rantoul, Ill.
Charles Robert Hedden (December, 1971)	Fort Meade, Fla.
* James Larry Hinkle (December, 1971)	Brevard
Robert Gary Horn (December, 1971)	Perkasie, Penna.
William Graham McAdams, Jr. (July, 1971)	Kinston
Robert Lee Misenheimer (December, 1971)	Raleigh
Dennis Clark Outlaw (December, 1971)	Mount Olive
Charles Kelly Parron (December, 1971)	Elizabeth City
* Wrenn Marshall Patterson (December, 1971)	Siler City
Charles David Phelps (July, 1971)	Lenoir
Warren Baker Pinney, Jr. (July, 1971)	South Orange, N. J.
Marcus Herbert Potter (July, 1971)	Snow Hill

* Honors

Paul Daniel Queen, Jr. (August, 1971)	Dallas
* Charles Geoffrey Rice (December, 1971)	Candler
Thomas Michael Ritchie (December, 1971)	Raleigh
Tim Kinney Saunders (December, 1971)	Franklinville
* Ralph John Sexton (August, 1971)	Belchertown, Mass.
Jerry Wayne Stephenson (July, 1971)	Angier
Richard Davis Tucker (December, 1971)	Locust
David Tuttle Turner (December, 1971)	Eden
Robert Eugene Visc (December, 1971)	Durham
Gerald Wayne Whitfield (July, 1971)	Durham

BACHELOR OF SCIENCE IN ENGINEERING OPERATIONS

James Lloyd Arscott (August, 1971)	Raleigh
Julian Nathaniel Barham (August, 1971)	Wendell
Harry Dewight Barnes, Jr. (August, 1971)	Raleigh
Lemuel Allen Barwick, Jr. (July, 1971)	Goldsboro
William Allan Burns (December, 1971)	Camarillo, Calif.
George Anthony Clark (December, 1971)	Scotland Neck
Michie Van Coppedge (July, 1971)	Rocky Mount
Michael Lee Cumbo (July, 1971)	Greensboro
Gian Carlo Brunetti Duri (August, 1971)	Rome, Italy
John Craig Frye, Junior (July, 1971)	Wilmington
Joe Bryan Hooker (December, 1971)	Lexington
Clyde Loyd Kiser, Jr. (December, 1971)	Asheboro
Leonard Newsom Lackey (August, 1971)	Raleigh
David Seaton Lanier, Jr. (July, 1971)	Winston-Salem
Gary Dale McAlister (December, 1971)	Rocky Mount
Woodrow Spurrier McClure, Jr. (December, 1971)	Charlotte
John Michael Mallan (August, 1971)	Hickory
James Everett Mangum, Jr. (December, 1971)	Wake Forest
Richard Edward Oliphant (August, 1971)	Dunn
Raymond Gordon Parks (December, 1971)	Aberdeen
John Phillip Perry (August, 1971)	Sharpsburg
Nickie Thomas Rawls (December, 1971)	Washington
Robert Hugh Reardon, Jr. (December, 1971)	Savannah, Ga.
William Thomas Rhodes, Jr. (December, 1971)	Charlotte
John Stewart Shepherd, Jr. (December, 1971)	Pittsburgh, Penna.
John Frederick Stallings (August, 1971)	Charlotte
Joseph Alan Steele (August, 1971)	Burlington
James Thomas Stewart (December, 1971)	Charlotte
Ralph Garman Troup, Jr. (December, 1971)	Easton, Penna.
David Paul Vaughn (December, 1971)	Hickory
Billy Tom Vlachos (December, 1971)	Fayetteville
Don Christopher Webster (December, 1971)	Burlington
David Conway Whitehead (July, 1971)	Covington, Va.
Duncan Vann Williford (July, 1971)	Fayetteville
Luedean Lewis Wilson (July, 1971)	Charlotte

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

* John Charles Bost (December, 1971)	Hickory
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* Honors

William Douglas Connor (December, 1971)	High Point
Charles Thomas Cook (December, 1971)	Winston-Salem
Gerald Wayne Fox (July, 1971)	Morganton
Bryan Fogleman Goad (December, 1971)	Mount Airy
Thomas Barr Kiger, Jr. (July, 1971)	Hickory
Benny Ray Pittman (July, 1971)	Rutherfordton
Stephen Patrick Redding (December, 1971)	Spencer
Michael Lee Smith (July, 1971)	Hudson
James Reitzel Wagner, III (December, 1971)	High Point

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Edward Lowry Babb, Jr. (December, 1971)	Charlotte
Gary Bennett Barrett (July, 1971)	Fayetteville
* Samuel Jackson Burrow, III (December, 1971)	Asheboro
Wallace Ledwell Creech (August, 1971)	Four Oaks
Manuel de Haro Velazquez (December, 1971)	Caracas, Venezuela
Robert Michael Haley (December, 1971)	Raleigh
John Alan Hearn (July, 1971)	Raleigh
Gordon Bryson Lewis (December, 1971)	Raleigh
William Lee Pace, III (July, 1971)	Flat Rock
Andrew Otto Siebern (August, 1971)	Newburgh, N. Y.
Roscoe Lee Tadlock (December, 1971)	Clinton
Philip Reid Whitaker (July, 1971)	Morganton

BACHELOR OF SCIENCE IN MATERIALS ENGINEERING

Thomas Greeley Cunningham (December, 1971)	Monroe
LeRoy Honeycutt, III (December, 1971)	Winston-Salem
Johnny Max Hoover (December, 1971)	Bostic
John David Reece, Jr. (December, 1971)	New Bern

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Michael Yates Aldridge (July, 1971)	Liberty
Warren Dixon Barnes (December, 1971)	Wilson
Ronald Ernst Bell (July, 1971)	Winston-Salem
** Richard Andrew Dewese (December, 1971)	Asheville
* John Thompson Duncan, Jr. (December, 1971)	Apex
John Oliver Fayssoux (July, 1971)	Gastonia
Dante Anthony Ferioli, Jr. (December, 1971)	Greensboro
Samuel Alan Gaines (December, 1971)	Goldston
Robert Craig Hovis (July, 1971)	Gastonia
Edward Harvey Johnson (December, 1971)	New Bern
Samuel Atkins Johnson, Jr. (December, 1971)	Raleigh
David Sagle Miller (December, 1971)	Statesville
Hooshang Mozaffari-Nejad (December, 1971)	Tehran, Iran
Michael Anthony Pollard (December, 1971)	New Bern
Durwood Marshall Rackley (July, 1971)	Rocky Mount
Jimmy Raeford Robinson (December, 1971)	Clinton
Michael James Sewell (December, 1971)	Georgetown, S. C.
Roger Alan Stewart (December, 1971)	Pineola
Marvin Edwin Sykes, Jr. (August, 1971)	Wake Forest

* Honors ** High Honors

Joseph Correll Tripp (July, 1971)	Raleigh
* John Steven Warren (December, 1971)	Shelby
Frederick Earl Woodlief (December, 1971)	Durham
James Arthur Wright, Jr. (December, 1971)	Asheville

BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

** David Wayne Duma (December, 1971)	Ironwood, Mich.
** James Henry Gogolin (December, 1971)	Rapid City, S. D.
* Luis Carlos Martinez (August, 1971)	Sante Fe, New Mexico
Johnny Farris Norris, Jr. (December, 1971)	Salisbury
** Kenneth Wayne Starr (December, 1971)	Stone Mountain, Ga.

School of Forest Resources



BACHELOR OF SCIENCE IN CONSERVATION

Jointly Administered by the School of Forest Resources and
the School of Agriculture and Life Sciences

Earl Bradford Gillis (December, 1971)	Raleigh
* Gordon Lee Hammon (December, 1971)	Raleigh
John Samuel Sloan (December, 1971)	Raleigh

BACHELOR OF SCIENCE IN FORESTRY

John Calvin Baker, Jr. (December, 1971)	Windsor
David Brent Hankins (December, 1971)	Kinston
Joseph Crandall Huff (July, 1971)	Roanoke Rapids
Samuel Comer Long (December, 1971)	Severn
Robert Wayland Merritt, Jr. (December, 1971)	Dudley
Robert Lafayette Pippen, Jr. (July, 1971)	Elizabeth City
Terrance Clay Roberts (August, 1971)	Reno, Nevada
John Lawrence Sharpe (August, 1971)	Cary
Howard Carlton Spence (August, 1971)	Bladenboro
Timothy Steven Wagner (August, 1971)	Winston-Salem

**BACHELOR OF SCIENCE IN NATURAL RESOURCES
RECREATION MANAGEMENT**

William Anderson Banks (December, 1971)	Durham
Arthur Craig Bethel (December, 1971)	St. Clairsville, Ohio
Douglas James Brown (August, 1971)	Albemarle
Parks Martin Low, Jr. (December, 1971)	Raleigh

* Honors ** High Honors

**BACHELOR OF SCIENCE IN PULP AND PAPER SCIENCE
AND TECHNOLOGY**

- * Robert William Allison (August, 1971)Winston-Salem
- James Leon Quarterman (July, 1971)Brunswick, Ga.

**BACHELOR OF SCIENCE IN RECREATION AND PARK
ADMINISTRATION**

- Donald Larkin Boyette (August, 1971)Kenly
- * John Robert Bradsher (December, 1971)Roxboro
- Peter Amick Burgess (December, 1971)Elon College
- Charles Francis Combs (August, 1971)Hertford
- Charles Raymond Eanes, Jr. (July, 1971)Thomasville
- Lester Almerion Harmon, III (July, 1971)Bloomfield, N. J.
- David Alan Hendershott (August, 1971)Arlington, Va.
- Percy Trent Holland (December, 1971)Clinton
- Kenneth Joel Humphreys (July, 1971)Hollywood, Fla.
- Albert Wilson Lilley, Jr. (December, 1971)Virginia Beach, Va.
- Gary Odell Moser (December, 1971)Graham
- Paula Scott Pratt (July, 1971)Fair Bluff
- Bruce Barrett Richards (December, 1971)Falls Church, Va.
- Eric Eugene Schwall (July, 1971)Raleigh
- * Robert Louis Shearin (December, 1971)Warrenton
- Ross Livingston Whitfield (December, 1971)Roxboro
- Robert Warren Wiencken (December, 1971)Statesville

School of Liberal Arts



BACHELOR OF ARTS

- Beverly Hayes Allen (December, 1971)Raleigh
- William Anderson Allen, III (August, 1971)Kinston
- Judith Andrews (December, 1971)Raleigh
- Kenneth Merritt Atkins (December, 1971)Raleigh
- Ben Marshall Baker (August, 1971)Louisburg
- William Bell Bandy, III (August, 1971)Greensboro
- Clarence Spurgeon Barnes, III (July, 1971)Wake Forest
- Larry Donald Barbour (December, 1971)Raleigh
- David Alan Bean (December, 1971)Greensboro
- Robert Bruce Birnbrauer (August, 1971)Cornwells Heights, Penna.
- ** Georgia Merritt Bland (December, 1971)Raleigh
- Rene Slaven Blizzard (December, 1971)Albuquerque, N. Mexico
- William Elvin Bolton, III (July, 1971)Raleigh

* Honors ** High Honors

George Edmond Booth (December, 1971)	Raleigh
Deborah Sue Brantley (December, 1971)	Raleigh
* Jacqueline Marie Broshek (December, 1971)	Marietta, Ga.
Charles Spurgeon Brown, Jr. (December, 1971)	Raleigh
* Peter Donald Brown (August, 1971)	Raleigh
Ewald Richard Busse (December, 1971)	Durham
Frances Cauble Bynum (December, 1971)	Raleigh
Mary Phyllis Hincer Cahoon (December, 1971)	Winston-Salem
* James Michael Carpenter (December, 1971)	Waynesville
Lorraine Marie Chavis (December, 1971)	Ahoskie
Michael Carter Chester, Jr. (December, 1971)	Greensboro
William Brannon Clay (July, 1971)	Tallahassee, Fla.
Dorothy Lynn Combs (December, 1971)	Creswell
Lynne Lockwood Davis (December, 1971)	Washington, D. C.
John Edward DeLois (July, 1971)	Brunswick, Maine
George Washington Denning, Jr. (December, 1971)	Raleigh
* Jean Rabb Donovan (December, 1971)	Raleigh
Reginald Glenn Dorsey (December, 1971)	Louisburg
Joyce Kay Drake (August, 1971)	Raleigh
Hubert James Dudley, Jr. (August, 1971)	Goldsboro
* Kyleen Graybeal Elks (August, 1971)	Raleigh
Alan Walter Evans (August, 1971)	Roanoke, Va.
Marion Lennox Evans (December, 1971)	Statesville
Norman George Evans (December, 1971)	Whiteville
Louis Boswell Farmer (July, 1971)	Chesterfield, Va.
** Sally Schuder Ferrell (December, 1971)	Marshalltown, Iowa
** Carol Jean Forbes (August, 1971)	Fayetteville
* Patricia Ann Fourie (December, 1971)	Raleigh
Robert Nelson Fulford (December, 1971)	Washington
William David Fussell (December, 1971)	Rose Hill
Bahman Gandomi (December, 1971)	Kermanshah, Iran
Susan Josephine Gay (December, 1971)	Zebulon
James Fredrick Griffin (August, 1971)	Rocky Mount
Kent Dudley Griffin (December, 1971)	Fayetteville
* William Terry Hall, Jr. (August, 1971)	Raleigh
Michael Hannon (December, 1971)	Raleigh
John Randolph Harris (August, 1971)	Raleigh
Shirley Denise Hendricks (December, 1971)	Gastonia
* Susan Diane Hendricks (August, 1971)	Raleigh
Debra Williams Hensley (December, 1971)	Gastonia
* Tormay Humphrey Hicks (December, 1971)	Jeffersonville, Ind.
Robert Linwood Hinton, Jr. (July, 1971)	Raleigh
** Ingelore Holthe (August, 1971)	Fayetteville
Frank Petty Holton, III (August, 1971)	Lexington
Jane Elizabeth Hoyle (December, 1971)	Shelby
Patricia Jane Hunt (December, 1971)	Raleigh
James Clark Johnson (July, 1971)	High Point
Ronald Eugene Johnson (August, 1971)	Durham
Laurestine Kinsey (July, 1971)	Kinston
* Betsy Anne Lambert (August, 1971)	Raleigh
William Edward Leavister, Jr. (August, 1971)	Raleigh
Paul Timothy Lewis (December, 1971)	Long Branch, N. J.

* Honors ** High Honors

Steven Frank Lipham (December, 1971)	Mocksville
William Edward Little, Jr. (December, 1971)	Fort Bragg
Raymond Eugene Littlefield (July, 1971)	Raleigh
Susan Elizabeth Lomax (December, 1971)	Salisbury
William Curtis McGirt, Jr. (December, 1971)	Fairmont
George Bernard McKean (December, 1971)	Tidioute, Penna.
Alan Hoke McMahan (December, 1971)	Mount Pleasant
Mary Ella Dodd Mangum (December, 1971)	Wake Forest
Eddie Herman Mauldin (December, 1971)	Albemarle
Terry Thompson Mayes (December, 1971)	Huntersville
James Hunter Mitchell, Jr. (July, 1971)	Jamaica, W. I.
Wylie Hopkins Mitchell (July, 1971)	Havre De Grace, Md.
* Sondra Jean Myers (August, 1971)	Rochester, N. Y.
* Nancy Green Nunnery (August, 1971)	Arlington, Va.
Mark Chesley Oltman (July, 1971)	Falls Church, Va.
Robert Lee Ostrand (December, 1971)	Fayetteville
James Thaddeus Pace (July, 1971)	Hendersonville
* Sherry Watson Parker (December, 1971)	Garner
* Charles Gordon Pattison (December, 1971)	Kinston
David Vance Poteat, Jr. (December, 1971)	Ronda
Charles Fredrick Powers (August, 1971)	Winston-Salem
* Victoria Dobbs Pullen (July, 1971)	Raleigh
Pamela Elizabeth Puryear (August, 1971)	Raleigh
Maryruth Ward Reiss (December, 1971)	Raleigh
Phyllis Kirkland Roberts (December, 1971)	Ahoskie
David Lee Robertson (August, 1971)	Raleigh
Neal Thomas Robertson (December, 1971)	Raleigh
Etta Marie Rochelle (August, 1971)	Raleigh
Thomas Marvin Rouse (December, 1971)	Snow Hill
David Rogers Rowland (December, 1971)	Raleigh
Mary Lynn Ruark (December, 1971)	Southport
Robert Wilson Rudisill (August, 1971)	Gastonia
William David Sams, Jr. (August, 1971)	Brevard
Mary Coleman Saunderson (December, 1971)	Sallisaw, Okla.
* Ann Mayo Smallwood (December, 1971)	Raleigh
Hilton Hugo Smith, Jr. (December, 1971)	Raleigh
Paul Johnson Smith (December, 1971)	Raleigh
DeAna Rummage Smoland (December, 1971)	Asheboro
Larry Herbert Starr (August, 1971)	Portsmouth, Va.
* George Ernest Steinhofner (July, 1971)	Ringwood, N. J.
Ladson Fishburne Stringfellow (August, 1971)	Chester, S. C.
Thomas Edgar Stroud (July, 1971)	Kinston
James David Swing (December, 1971)	Cliffside
James Braxton Taylor (July, 1971)	Raleigh
Phillip Wynne Taylor, Jr. (December, 1971)	Roanoke Rapids
Robert Van Thompson (August, 1971)	Raleigh
Madeline MacPhee Timberlake (August, 1971)	Alexandria, Va.
Kathleen Marie Tiska (July, 1971)	Goldsboro
* Alice Ann Tome (December, 1971)	Atlanta, Ga.
* Kenneth Joseph Vincent (August, 1971)	Lake Hopatcong, N. J.
Charles Edward Wallace (July, 1971)	Durham
John Vermont Watson (July, 1971)	Raleigh

* Honors ** High Honors

Daniel Halsey Wells, III (August, 1971)	Windsor, Conn.
Susan Resseguie White (December, 1971)	St. Petersburg, Fla.
Larry Julian Williams (August, 1971)	Shenandoah, Va.
* Mary Jean Williams (December, 1971)	Raleigh
Sandra Boykin Wilson (December, 1971)	Raleigh
Robert Francis Wolfe, Jr. (August, 1971)	Tarboro
Jefferson Cogdell Woodall (December, 1971)	Winston-Salem

BACHELOR OF SCIENCE

* Elizabeth Creighton Arnold (August, 1971)	Asheville
Joseph Martin Dunning (August, 1971)	Wilmington, Del.
Thomas Bagley Foley, Jr. (August, 1971)	Burlington
James Louis Harris, III (December, 1971)	Greenville
Richard Irvin Humphrey (July, 1971)	Greensboro
Malcolm Douglas Shaw (December, 1971)	Clinton

School of Physical and Mathematical Sciences



BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

Roy Douglas Barnes (July, 1971)	Ahoskie
Donald Herbert Carroll (July, 1971)	Cary
Michael Fisher Jones (July, 1971)	Raleigh
** Robert Jerome Keeler (August, 1971)	Colombia, S. A.
George Alexander Lisenbe (July, 1971)	Raleigh
Victoria Louise Moore (August, 1971)	Chevy Chase, Md.
* James Paul Smith (August, 1971)	Monroe
William Kimble Wattenbarger, Jr. (August, 1971)	Raleigh

BACHELOR OF SCIENCE IN CHEMISTRY

Jerry Wayne Cox (December, 1971)	Reidsville
Rufus William Moore, Jr. (July, 1971)	Asheville

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Jack Calhoun Barrs (December, 1971)	North Augusta, S. C.
Thelbert Daniel Boykin, Jr. (December, 1971)	Bailey
Earl Michael Carson (July, 1971)	Apex
Kirby Cummings Edwards (December, 1971)	Raleigh
* Claudia Hickman Greene (December, 1971)	Lenoir
Curtis Jackson Harkins (December, 1971)	Raleigh

* Honors ** High Honors

Robert Folwell Hill, Jr. (December, 1971)	Trinity
Harrison David Ingles (August, 1971)	Cary
Clarence Frederick Johnson, III (July, 1971)	High Point
Alan Wilson McKinney (December, 1971)	Jacksonville
Arthur Lee Madeley, Jr. (July, 1971)	Wilmington
Janie Lineback Marshall (August, 1971)	Pfafftown
Irvine Andrew Renton, III (December, 1971)	Pinckney, Mich.
Janet Harrison Seagroves (December, 1971)	Raleigh
Henry McDonald Tate (December, 1971)	West Hartford, Conn.
George David Thomas (December, 1971)	Peachland
Elbert Adams Ward, Jr. (December, 1971)	Goldsboro
Donald Milton White (August, 1971)	Greensboro

BACHELOR OF ARTS IN GEOLOGY

George Edward Weant, III (December, 1971)	Salisbury
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BACHELOR OF SCIENCE IN GEOLOGY

Leslie Michael Childers (July, 1971)	Charlotte
Edward Ray Horton (August, 1971)	Hickory
Walter Truett Morgan, Jr. (August, 1971)	Wilmington
Arthur Tilden Poling (December, 1971)	Falls Church, Va.

BACHELOR OF SCIENCE IN MATHEMATICS

Edward Mayo Cotten, Jr. (December, 1971)	Raleigh
* Luc Diep Hong (December, 1971)	Saigon, Vietnam
Rebecca Cowan Munns (December, 1971)	Raleigh

BACHELOR OF SCIENCE IN PHYSICS

John Henry Crouch (August, 1971)	Hickory
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BACHELOR OF SCIENCE IN STATISTICS

Elizabeth Bradford Jones Amos (December, 1971)	Raleigh
Terry Eugene Griffin (December, 1971)	Lenoir
Dana Lee Robbins (December, 1971)	Asheville

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

Phillip Ray Johnson (August, 1971)	Fayetteville
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* Honors

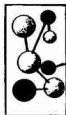
Ronald Gene McKinney (December, 1971)	Fuquay-Varina
James Ruffin Price, II (July, 1971)	Madison
Kshitish Madanmohan Shah (December, 1971)	Ahmedabad, India
** Wai Keong Yuen (December, 1971)	Hong Kong

BACHELOR OF SCIENCE IN TEXTILE TECHNOLOGY

Glenn William Armfield, Jr. (July, 1971)	Mount Airy
James Stephen Balcerak (December, 1971)	Tuckasegee
William Clyde Barbour, Jr. (August, 1971)	Four Oaks
Andrew Kyle Barker (December, 1971)	Kingsport, Tenn.
George Douglas Batchelor, Jr. (July, 1971)	Sharpsburg
John Raymond Blackson, III (December, 1971)	Charlotte
Arnold Richard Broome (December, 1971)	Raleigh
John Grover Council (August, 1971)	Durham
Samuel Garfield Davis, Jr. (July, 1971)	Taylorville
Reginald Lee Harris, III (July, 1971)	Raleigh
Bill Lincoln Hartsell, Jr. (December, 1971)	Albemarle
Charles Edwin Hayes (December, 1971)	Jamesville
* Chen-Liang Hsieh (December, 1971)	Taiwan, China
* William Kenneth Huntley (July, 1971)	Wadesboro
** Kanaiyalal Gordhandas Jajal (December, 1971)	Ahmedabad, India
Marvin Charles Job (August, 1971)	Charlotte
Robert Lynnwood Johnson (December, 1971)	Zebulon
Poonpipat Kasemsuwan (December, 1971)	Raleigh
* Dilip M. Keer (December, 1971)	Bombay, India
** Charles Melvin King (July, 1971)	Elizabeth City
Charles Young Millard (December, 1971)	Faison
Dennis Ralph Musser (July, 1971)	Goldsboro
Clyde H. Parker (December, 1971)	Raleigh
Edoardo Vittorio Polli (December, 1971)	Milano, Italy
James Ruffin Price, II (July, 1971)	Stoneville
** Libardo Puerta (August, 1971)	Colombia, S. A.
Dottie Lou Rawls (July, 1971)	Washington
Douglas Manuel Redman (December, 1971)	Winston-Salem
* James Madison Robbins (December, 1971)	Caroleen
George Wall Roberson (July, 1971)	Smithfield
Clarence Eugene Roberts, III (December, 1971)	Hickory
Jeffrey Maxim Rosenzweig (August, 1971)	Lexington
Charles Linwood Rudder (December, 1971)	Roxboro
William Paul Sharp, Jr. (December, 1971)	Ahoskie
William Sammons Topham (August, 1971)	Berlin, Md.
Alvin Barry Vaughn (July, 1971)	Gastonia
Joseph Hobbs Ward (July, 1971)	Hobbsville
Bud William Willis, III (July, 1971)	Avondale
Joseph Robert Wunsch (December, 1971)	Raleigh
Kimmy Sze Yung Yang (July, 1971)	Hong Kong

* Honors ** High Honors

Professional Degrees



CHEMICAL ENGINEER

John Wheeler Anderson (December, 1971)Greensboro

CIVIL ENGINEER, STRUCTURAL OPTION

Jitendra Maganlal Desai (July, 1971)Nadiad, India

ELECTRICAL ENGINEER

Manubhai Savailal Baxi (December, 1971)Raleigh
Shrikrishna Anantrao Bhosale (December, 1971)Kolhapur, India

INDUSTRIAL ENGINEER

Kersi Shavak Shroff (July, 1971)Bombay, India

Masters Degrees



MASTER OF AGRICULTURE

Thomas Sidney Godwin (August, 1971)Goldsboro
George Robert Marshall (July, 1971)Chuckey, Tenn.

MASTER OF APPLIED MATHEMATICS

Elizabeth Crawford Forster (July, 1971)Raleigh
Joel Phillip Lehmann (December, 1971)Raleigh
Chetna Shah Mathur (December, 1971)Bombay, India

MASTER OF ARCHITECTURE

Gary Joseph Coates (July, 1971)Kensington, Md.
Theresa Rosenberg Raper (July, 1971)Raleigh
Ronald Joseph Safko (December, 1971)Brockton, Mass.

MASTER OF BIOLOGICAL AND AGRICULTURAL ENGINEERING

Vim Tayaputch (August, 1971)Nakornpathom, Thailand

MASTER OF BOTANY

Judith Fey Thomas (December, 1971)Raleigh
Young Young Tsai (July, 1971)Taiwan, China

MASTER OF CIVIL ENGINEERING

John Edmund Richard Burmeister (July, 1971)Charlotte
Terry Hatcher (December, 1971)Chinquapin
Steven Ellis Hawn (December, 1971)Seymour, Ind.
John Neal Philbrook (December, 1971)Raleigh
Pipit Promsit (December, 1971)Bangkok, Thailand
Larry Hamilton Sams (December, 1971)Asheville
Roland Leon Walden (July, 1971)Gadsden, Ala.
Philip Lee Wylie (December, 1971)Marion

MASTER OF ECONOMICS

Stephen Peter Baldwin (December, 1971)Hartford, Conn.
Harold James Brubaker (August, 1971)Asheboro
Charles Thomas Cowne (December, 1971)Nokesville, Va.
David Frank Crotts (July, 1971)Raleigh
Jose Ferreira de Noronha (August, 1971)Sao Paulo, Brazil
Foo-Shiang Ho (July, 1971)Kaohsiung, Formosa
Philip Robert LoBue (December, 1971)Lindsay, Calif.
David Arthur Schmudde (August, 1971)Raleigh
Richard Patrick Wallace (December, 1971)Dayton, Ohio
Thomas Grayson Walton, III (December, 1971)Richmond, Va.
John Terry Warner (December, 1971)Raleigh
Ronald Alan Wilus (December, 1971)Hartford, Conn.
Chester Edwin Young, Jr. (December, 1971)Rimersburg, Penna.

MASTER OF EDUCATION

Adult and Community College Education

Elaine Noble Blake (August, 1971)Chadborn
John Austell Crawford (December, 1971)Greensboro
John Carl Dempsey (December, 1971)Wilmington
Thomas Rufus Dudley (August, 1971)Shelby
Mary Henri Fisher (July, 1971)Raleigh
Kalliopi Basol Kokkinou (August, 1971)Athens, Greece
Dwight Morrison Pemberton (July, 1971)Collinsville, Va.
Morrell Edward Rapping (August, 1971)Grundy, Va.
Harry Gayle Silver (August, 1971)Marshall
James Donnie Stephenson (July, 1971)Garner
Arthur Joseph Warner (December, 1971)Johnstown, Ohio

Agricultural Education

Chivous Omar Bradley (July, 1971)Rutherfordton

Crawford Monroe Enzor, Jr. (July, 1971)	Cerro Gordo
William Irvin Enzor, Jr. (July, 1971)	Fair Bluff
Denis Sherald Jackson (December, 1971)	Raleigh
William Guy Lane (July, 1971)	Ramseur
Jack Millican (July, 1971)	Umatilla, Fla.
Curtis Ray Rains (July, 1971)	Princeton
James Edgar Spicer (July, 1971)	Elkin
Scott Gblarzus Toweh (December, 1971)	Liberia, W. Africa
Robert Allen Waddell (July, 1971)	Fair Bluff

Guidance and Personnel Services

John Lewis Brown, III (December, 1971)	Long Island, N. Y.
Nancy Lee Bryan (August, 1971)	Raleigh
Betty Ann Crawford (August, 1971)	Statesville
George Albert Grissom (August, 1971)	Wendell
William Linwood Lanzer (December, 1971)	Pasadena, Calif.
Eunice Ann Lee (August, 1971)	Four Oaks
Grady Parker McKeithan (July, 1971)	Fayetteville
Karen Cockerham Modlin (August, 1971)	Winston-Salem
Joyce Leane Perry (August, 1971)	Raleigh
Judy Jones Perry (December, 1971)	Rolesville
Betty Knight Pritchard (August, 1971)	Raleigh
Alice Hart Purdie (December, 1971)	Dunn
Charles Byron Sawyer (December, 1971)	Elizabeth City
Sally Holliday Shuler (August, 1971)	Bloomfield Hills, Mich.
Mary Mitchell Stallings (July, 1971)	New Bern
Becky Capps Thomas (August, 1971)	Fuquay-Varina
Lynda Lane Wheeler (August, 1971)	Raleigh
Sandra Elaine Woods (December, 1971)	Rabun Gap, Ga.

Mathematics Education

Charles Dennis Carroll (July, 1971)	Kenly
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Science Education

Antonio B. Abella (August, 1971)	Miami, Fla.
Kay Williams Draper (July, 1971)	Hartsville, S. C.
Emanuel Aaron Flecker (August, 1971)	Brooklyn, N. Y.
Anne Marie Meridier (August, 1971)	New Orleans, La.

Vocational Industrial Education

James Alton Bell (August, 1971)	Raleigh
Fred Lyles Eargle (December, 1971)	Raleigh
John Henry Morris (December, 1971)	Greensboro
Marvin Clayton Pate (December, 1971)	Raleigh
Lee Douglas Parnell (July, 1971)	Kenly
Ray Caudle Shaw (December, 1971)	Hamlet
Marvin Randolph Sparks (August, 1971)	Raleigh
Joe Edward Sturdivant (July, 1971)	Cary
James Glenn Wheeler (July, 1971)	Wilson

MASTER OF ELECTRICAL ENGINEERING

James Edward Andrews, Jr. (December, 1971)	Raleigh
Phillip Russell Epley (December, 1971)	Raleigh
David Rand Irvin (December, 1971)	Baltimore, Md.
Albert Foster Johnson, Jr. (December, 1971)	Knoxville, Tenn.
Rafael Jorge Montoya (December, 1971)	Raleigh
Dah-Yuan Tso (December, 1971)	Hoo-Pei, China
Philip Ernest Williams (December, 1971)	Charlotte

MASTER OF FOOD SCIENCE

Mary Lou Quinto (December, 1971)	Baguio City, Philippines
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MASTER OF FORESTRY

James Slade Rhodes, III (July, 1971)	Williamston
Setyono Sastrosumarto (December, 1971)	Jogjakarta, Indonesia
Andrew John Weber (August, 1971)	Raleigh

MASTER OF GENETICS

Elizabeth Mills Anderson (July, 1971)	Charlotte
Sharon Plemons Booker (December, 1971)	Atlanta, Ga.

MASTER OF INDUSTRIAL ENGINEERING

Agustin Juan Diodati (December, 1971)	Greensboro
Naveen Chandra Kapur (December, 1971)	New Delhi, India
Dennis Wayne McDaniels (August, 1971)	Winston-Salem
Kirirkumar Dahyabhai Patel (December, 1971)	Gujrat, India
Bharatkumar Khimchand Shah (August, 1971)	Gujrat, India

MASTER OF MATHEMATICS

James Horn Lightbourne, III (July, 1971)	Raleigh
Jaquelin Erickson Young (December, 1971)	Winston-Salem

MASTER OF MECHANICAL ENGINEERING

David Alan Blank (August, 1971)	Sharon, Penna.
Joseph Alfred Hauser, II (July, 1971)	Odenton, Md.
Chei-Chung Ho (August, 1971)	Bridgman, Mich.
William Allan Mugg (August, 1971)	Huntington, N. Y.
Bhogilal Chhaganbhai Patel (December, 1971)	Baroda, India
Shankhavaram Rangaswamy Ramchandran (July, 1971)	Nagpur, India
Mahendrakumar Balubhai Rana (July, 1971)	Baroda, India
Virender Singh Solanki (July, 1971)	Delhi, India
Richard Allen Thompson (July, 1971)	Cazenovia, N. Y.
George Brine Whitten, III (July, 1971)	Haddonfield, N. J.
Iradje Yaghmai (July, 1971)	Amol, Iran

MASTER OF MICROBIOLOGY

Michael Allen Cole (December, 1971)	Raleigh
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MASTER OF PUBLIC AFFAIRS

Clinton Adair Abernethy (August, 1971)	Durham
Richard Terry Allen (August, 1971)	Raleigh
Gene Maynard Carver (August, 1971)	Roxboro
James David Johnson (August, 1971)	Kannapolis
Donald Reid Knowles (December, 1971)	Durham
Julian Mann, III (August, 1971)	Raleigh
Steven E. Salmony (August, 1971)	Roanoke, Va.

MASTER OF SOCIOLOGY

Gloria Kershaw Smith (December, 1971)	Raleigh
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MASTER OF STATISTICS

Sonia Carolina Balet (December, 1971)	Santurce, Puerto Rico
Thomas Anderson Clemmer (December, 1971)	Gastonia
Anne Fakler Dalhouse (December, 1971)	Raleigh
Francois Arthur Dupuis (December, 1971)	Quebec, Canada
James William Evans (August, 1971)	Raleigh
Jonathan Charles Fast (December, 1971)	Wayne, N. J.
Maya Manubhai Sheth (December, 1971)	Bombay, India
William Holmes Wigton (December, 1971)	Raleigh

MASTER OF TECHNOLOGY FOR INTERNATIONAL DEVELOPMENT

Marc Anton Johnson (August, 1971)	Wichita, Kan.
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MASTER OF TEXTILE TECHNOLOGY

Kuang-Yung Chen (August, 1971)	Taiwan, China
Vrajeshkumar Amritlal Parikh (December, 1971)	Raleigh
Surendra Ashokchandra Shah (August, 1971)	Richmond, Va.
Shin Chan Yao (December, 1971)	Taiwan, China

MASTER OF WOOD AND PAPER SCIENCE

Henry Kemper Covington, III (December, 1971)	Raleigh
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MASTER OF ARTS

Economics

Isaac Tunis Corbell, III (December, 1971)	Greensboro
William Raymond Ruehrwein, Jr. (August, 1971)	Statesville

English

Patsy Darst Anderson (August, 1971)	Raleigh
Ruth Edgerton Boyer (December, 1971)	Goldsboro
Nedra Thompson Elliott (August, 1971)	Conwav, S. C.
Sidney Thomas Johnson (August, 1971)	Morrisville
Andrea Mewborn Montague (December, 1971)	Raleigh
James Brent Moore (August, 1971)	Wilmington
Curtis Michael Neal (December, 1971)	Durham

History

Elizabeth Bateman Bond (August, 1971)Danville, Ky.

MASTER OF SCIENCE

Adult and Community College Education

David Charles Johnson (August, 1971)Hull, Ill.

Agricultural Economics

Allen Mason Beals, Jr. (July, 1971)Pownal, Vt.

Biological and Agricultural Engineering

Reynaldo Bernal (August, 1971)Colombia, S. A.

John Wayne Mishoe (December, 1971)Loris, S. C.

Mohan V. N. Rao (July, 1971)Bombay, India

Botany

Sandra Ittenbach Jones (August, 1971)Linden

Timothy Paul Rudd (July, 1971)Verona, N. J.

Brenda Louise Saunders (December, 1971)Springfield, Mo.

Chemical Engineering

Joseph Maria Bentvelzen (July, 1971)The Netherlands

Chemistry

Charles Thomas Joyner (December, 1971)Petersburg, Va.

Kenneth Allen Taylor (December, 1971)Asheville

Civil Engineering

George Holloman Ellinwood (December, 1971)Raleigh

Thomas Waters Griffin (August, 1971)Williamston

Crop Science

Edward Lee Ingle (July, 1971)Mills River

Elio B. Rodriguez (December, 1971)Porlamar, Venezuela

James Milton Vaughan (August, 1971)Murfreesboro

Electrical Engineering

Pratul Kumar Ajmera (December, 1971)Calcutta, India

Entomology

Thomas Oliver Holtzer (December, 1971)Murrysville, Penna.

Food Science

Lawrence Alan Johnson (July, 1971)Wooster, Ohio

James Barthel Taylor (December, 1971)South Bound Brook, N. J.

Forestry

- Dimitrios Ioannis Matziris (December, 1971)Gorgopi-Kilkis, Greece
Yves Lamontagne (July, 1971)Quebec, Canada

Genetics

- George Cleveland Robertson (August, 1971)Raleigh
Mary Elizabeth Streby (December, 1971)Aldan, Penna.
Richard Michael Synenki (December, 1971)Little Falls, N. Y.
Dianne Louise Woodard (December, 1971)Princeton

Geology

- Stephen John Barberio (December, 1971)Shrewsbury, N. J.
Jean Ellen Tilden (December, 1971)Wilmington

Guidance and Personnel Services

- Joan Barcy Mackie (December, 1971)Raleigh

Horticultural Science

- Humberto A. Mendoza-Zuniga (December, 1971)Lima, Peru

Industrial Engineering

- David Stanley Hoyte (July, 1971)Framingham, Mass.
Pravin Moudgill (August, 1971)New Delhi, India

Materials Engineering

- William Elbert Cook (December, 1971)New Bern
Joseph Brent McCombs (December, 1971)Granite Quarry
Bharat S. Rawal (December, 1971)New Delhi, India
James Michael Rigsbee (August, 1971)Durham

Mathematics Education

- Anna Jane Guion Kanipe (July, 1971)Raleigh
Mary Willingham Scott (August, 1971)Raleigh

Mechanical Engineering

- William Leonard Graham (July, 1971)Burlington
Abdul Haq (August, 1971)Hyderabad, India
Walter Donald Johnson (August, 1971)Buies Creek
Harold Speight Overman, III (August, 1971)Dahlgren, Va.
Dewey Anthony Petree (July, 1971)Lexington
Delbert Clyde Summey (August, 1971)High Point

Microbiology

- Emily Claudia Johnson (August, 1971)Bryson City
Farida Shamshir Sharief (August, 1971)Hyderabad, India

Nuclear Engineering

- Joel Ian Cehn (August, 1971)Dover, N. H.
James Challie Carter, III (December, 1971)Raleigh
John C. W. Hsu (August, 1971)Taiwan, China
Michael Hennon Raudenbush (December, 1971)Camarillo, Calif.
Jesse Knox Ray, III (August, 1971)Raleigh
Robert Ferman Wardell (December, 1971)Charlotte

Operations Research

- Kathryn Gayle Wagoner Hanson (August, 1971)Chapel Hill
Pragati Buche Sehgal (December, 1971)Nagpur, India

Physics

- Steven Roscoe Long (December, 1971)Winston-Salem

Plant Pathology

- Jimmy Ray Pounds (August, 1971)Raleigh
Edna Glenn Suggs (December, 1971)Tarboro
John Panagiotis Tsakiridis (July, 1971)Drama, Greece

Plant Physiology

- Tomas Archibaldo Salgado (December, 1971)Tequigalpa, Honduras

Psychology

- Patricia Cates Arrowood (December, 1971)Hillsborough
James Peter Foley (August, 1971)Martinsville, Ind.
Harmon Geiger Jordan (August, 1971)Raleigh
Bruce Howard Kemelgor (July, 1971)Newton, Mass.
Robert William Neeb (August, 1971)Wake Forest
John James Pass (December, 1971)Bronxville, N. Y.
John Arthur Riccobono (August, 1971)Paterson, N. J.
Jeffrey Franklin Spar (August, 1971)Miami, Fla.
Ronald James Valentine (December, 1971)Whitestone, N. Y.

Rural Sociology

- John Oliver Callaghan (December, 1971)Mount Doyle, Ireland
Harvey Robert Cox (July, 1971)Van Buren, Ind.
Patricia Lane Edgerton (December, 1971)Cumberland, Va.
Louis J. Finkle (July, 1971)Raleigh
Narinchai Patanapongsa (July, 1971)Bangkok, Thailand
Wilbur Franklin Pease (July, 1971)Raleigh
Dennis Michael Temple (December, 1971)Tallahassee, Fla.

Science Education

- Sylvia Ann Arey (August, 1971)Aberdeen
Kenni Bea Beam (December, 1971)Cherryville
Vathsala Rangaswamy Iyengar (August, 1971)India

Soil Science

Van Smith Jenkins (August, 1971)	Raleigh
John Paul Lilly (August, 1971)	Troy
Roy Dean Rhue (July, 1971)	Winston-Salem
Orlando Rodriguez-Brito (July, 1971)	Jusepin, Venezuela
Sampe Tonapa (July, 1971)	Makassar, Indonesia
James Hamilton Ware, Jr. (July, 1971)	Turkey

Textile Chemistry

Frank Odell Harris, Jr. (December, 1971)	Mebane
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Textile Technology

Dinkar Bapuji Ajgaonkar (December, 1971)	Bombay, India
James Ephraim Furr, Jr. (August, 1971)	Concord
Mahmood Kassaian (August, 1971)	Esfahan, Iran
Chen-Ling Lin (December, 1971)	Taiwan, China
Robert Alan Mansfield (July, 1971)	Ontario, Canada
Lloyd Douglas Nichols (December, 1971)	Ontario, Canada

Vocational Industrial Education

Thomas West Della (July, 1971)	Raleigh
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Wood and Paper Science

Stephen Michael Seay (August, 1971)	Hillsborough
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Zoology

William Randolph Geddings (August, 1971)	Columbia, S. C.
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Doctor of Education Degrees

- James David Acker, Industrial Arts Education (July, 1971)
Belton, South Carolina
Dissertation: "The Consumer Education Function for Industrial Arts Education" (Under the direction of Delmar Walten Olson).
- Maynard Francis Adams, Occupational Education (December, 1971)
Raleigh, North Carolina
Dissertation: An Investigation into the Relevance of the Curriculum of the Four-Year Industrial Technology Program at Western Carolina University to the Needs of Its Graduates. (Under the direction of Talmage B. Young).
- Fleet Devotion Allen, Occupational Education (July, 1971)
Carthage, North Carolina
Dissertation: "Advisory Committee Organization, Role, and Utilization" (Under the direction of Clarence Cayce Scarborough).
- Osvil Marshall Blake, Jr., Adult and Community College Education (December, 1971)
Albemarle, North Carolina
Dissertation: A Conceptual Model of Public Relations as a Framework for Planning, Implementing, and Evaluating Public Relations Programs in the North Carolina Community College System. (Under the direction of Dewey Allen Adams and George Darrell Russell).
- Robert Glenn Brock, Adult and Community College Education (December, 1971)
New Bern, North Carolina
Dissertation: The Relationship of Selected Variables to Achievement in English and Mathematics in the Programmed Learning Materials at Cape Fear Technical Institute. (Under the direction of Emily H. Quinn).
- Donald Wayne Bryant, Adult and Community College Education (August, 1971)
Winston-Salem, North Carolina
Dissertation: A Simulation Depicting Concepts of Leadership. (Under the direction of Robert J. Dolan).
- Thomas Eugene Carpenter, Adult and Community College Education (December, 1971)
Cherryville, North Carolina
Dissertation: An Analysis of Self-Concept Change in Technical Institute Students Enrolled at Caldwell Technical Institute between 1967 and 1971. (Under the direction of Dewey Allen Adams).

- Thomas Burgess Carroll, Adult and Community College Education (December, 1971)
Raleigh, North Carolina
- Dissertation: Leader Behavior of Community College Directors of Student Personnel as Viewed by Superiors and Subordinates. (Under the direction of Dewey Allen Adams).
- Swarn Kanta Dahiya, Adult and Community College Education (August, 1971)
Raleigh, North Carolina
- Dissertation: The Relationship of Selected Biographical and Attitudinal Factors to Student Selection of Faculty as Outstanding Teachers. (Under the direction of Dewey Allen Adams).
- Miles Lafayette Eckard, Adult and Community College Education (December, 1971)
Icard, North Carolina
- Dissertation: A comparative Study of the Academic Characteristics and Success Patterns of North Carolina Community College Transfer Students and Native Students at Appalachian State University. (Under the direction of Edgar John Boone).
- Thomas Otis Fulcher, Adult and Community College Education (August, 1971)
Huntington, West Virginia
- Dissertation: Factors Related to Attrition of Parish Ministers in the North Carolina Conference of the United Methodist Church, 1966-70. (Under the direction of Dewey Allen Adams).
- Vance Eugene Hamilton, Adult and Community College Education (December, 1971)
Cary, North Carolina
- Dissertation: An Assessment of the Extent to Which the Membership of Extension Advisory Boards Represent the Total Population for Selected Demographic Characteristics in North Carolina Counties. (Under the direction of Edgar John Boone).
- Michael Hampton Henderson, Adult and Community College Education (December, 1971)
Raleigh, North Carolina
- Dissertation: The Relationship of Dogmatism and Attitude toward Change of Presidents and Boards of Trustees in the North Carolina Community College System. (Under the direction of Dewey Allen Adams).
- William James Jorns, Adult and Community College Education (December, 1971)
Manhattan, Kansas
- Dissertation: Operational Analysis of Case Studies in Institutional Building Theory. (Under the direction of Edgar John Boone and Ronald Wilson Shearon).

- Samuel Dean Morgan, *Adult and Community College Education* (December, 1971)
Marion, North Carolina
- Dissertation: An Exploratory Study to Determine Agreement Among Five Role-Defining Groups for the Director of Occupational Education Position. (Under the direction of Dewey Allen Adams).
- Bob G. Olsen, *Adult and Community College Education* (August, 1971)
Beverly Hills, California
- Dissertation: The Effectiveness of a Self-Instructional Program in Money Management for Undereducated Adults. (Under the direction of Emily H. Quinn).
- Jacob Reid Parrott, Jr., *Adult and Community College Education* (December, 1971)
Kinston, North Carolina
- Dissertation: A Generic Model for Collective Negotiations Legislation for a Community College System. (Under the direction of Emily H. Quinn).
- Lloyd F. Spaulding, *Occupational Education* (August, 1971)
Bowling Green, Ohio
- Dissertation: A Study of Relationships Between Selected Characteristics of Shop and Laboratory Instructors and Student Achievement in Vocational and Technical Education. (Under the direction of Joseph T. Nerden).
- Lloyd Douglas Strickland, *Adult and Community College Education* (December, 1971)
Pine Level, North Carolina
- Dissertation: Openness of Organizational Climate, Presidential Dogmatism, and Selected Independent Variables Among Institutions Within the North Carolina Community College System. (Under the direction of Robert John Dolan and Edgar John Boone).
- Don Arlen Thigpen, *Adult and Community College Education* (December, 1971)
Daytona Beach, Florida
- Dissertation: An Analysis of Belief Systems and Attitude Toward Change among Presidents and Faculty Attitude Toward Change in the North Carolina Community College System. (Under the direction of Emily H. Quinn).
- Jerry McLain Wallace, *Adult and Community College Education* (December, 1971)
Elizabethtown, North Carolina
- Dissertation: Factors Associated with the Premarital Sexual Standards of North Carolina Baptist Young People. (Under the direction of Edgar John Boone).

Doctor of Philosophy Degrees

- Frank Paul Alabiso, Jr., Psychology (December, 1971)
Buffalo, New York
Dissertation: The Inhibitory Functions of Attention in Reducing Hyperactive Behavior. (Under the direction of Robert Duke and Margaret Utley).
- John Ernest Albrecht, Animal Science (July, 1971)
Cheltenham, Pennsylvania
Dissertation: "Studies on the Physiological Factors which Affect Gossypol Toxicity of Swine" (Under the direction of Albert J. Clawson).
- Elsa Cartwright Anders, Animal Science (December, 1971)
Hendersonville, North Carolina
Dissertation: The Effect of Dietary Molybdenum on Hemoglobin Formation in the Growing Chick. (Under the direction of Charles H. Hill).
- Charles Henry Bailey, Jr., Entomology (December, 1971)
Auburn, Alabama
Dissertation: Effects of the Flagellate, *Herpetomonas muscarum*, in the Eye Gnat, *Hippelates pusio* (Diptera: Chloropidae). (Under the direction of Wayne M. Brooks and Richard C. Axtell).
- John Sanford Baird, Psychology (December, 1971)
Warwick, New York
Dissertation: A Multivariate Developmental Study of Political Ideology and Intolerance. (Under the direction of Harold Maxwell Corter).
- George Morgan Barnwell, Biomathematics (July, 1971)
Fayetteville, Arkansas
Dissertation: "A Mathematical Model of the Effects of Spatio-Temporal Patterns of Dendritic Input Potentials on Neuronal Somatic Membrane Potentials" (Under the direction of Benito J. Cerimele).
- William Blake Barone, Food Science (July, 1971)
New Orleans, Louisiana
Dissertation: "Structural Alterations of Ovalbumin Induced by Electro-hydraulic Shock Waves" (Under the direction of Leonard William Aurand).
- Robert Merrill Bennett, Mechanical Engineering (December, 1971)
Hampton, Virginia
Dissertation: An Analytical Investigation of an Oscillating Wedge in a Supersonic Perfect Gas Flow. (Under the direction of Robert W. Truitt).

- Jacques Andre Besseyre, Electrical Engineering (August, 1971)
Nice, France
- Dissertation: Quantization Effects in Digital Filters. (Under the direction of T. H. Glisson and J. B. O'Neal).
- Willard Troy Blevins, Microbiology (August, 1971)
North Wilkesboro, North Carolina
- Dissertation: Growth and Efficiency of a Soil Mycobacterium Utilizing Hydrocarbons and Related Compounds as Substrates. (Under the direction of Jerome J. Perry).
- Johnny Anthony Bloch, Entomology (July, 1971)
Elberta, Alabama
- Dissertation: "Peanut Stunt Virus: Field Incidence and Insect Vector Relationships in North Carolina" (Under the direction of William Vernon Campbell).
- John James Bond, Plant Pathology (December, 1971)
Versailles, Kentucky
- Dissertation: Mycorrhizal Fungi of Oak in North Carolina and Their Influence on Uptake of Potassium by Oak Seedlings. (Under the direction of Larry F. Grand and Ellis B. Cowling).
- Jorge A. Bravo, Physics (August, 1971)
Lima, Peru
- Dissertation: Photoionization of Neutral Barium Vapor by Sunlight in the Upper Atmosphere of the Earth. (Under the direction of Edward R. Manring).
- Carolyn Watson Broughton, Microbiology (July, 1971)
Wake Forest, North Carolina
- Dissertation: "Electron-microscopic Study of Pinocytosis in Neonatal Guinea Pigs, Hamsters, and Rabbits" (Under the direction of James Giacomo Lecce).
- Samuel Grady Burgiss, Electrical Engineering (July, 1971)
Hamptonville, North Carolina
- Dissertation: "On the Realization of Threshold Sequential Machines" (Under the Direction of John Staudhammer).
- Peter Michael Burrows, Statistics and Genetics (July, 1971)
Nottingham, England
- Dissertation: "Consequences of Selection in Finite Populations" (Under the direction of Columbus Clark Cockerham).
- Paul Rong Sheng Chen, Entomology (August, 1971)
Tainan, Taiwan, China
- Dissertation: Studies on the Amidase Which Hydrolyzes Dimethoate. (Under the direction of Walter C. Dauterman).

- Eddy Hee-wen Cheng, Mechanical Engineering (December, 1971)
Tainan, Taiwan, China
- Dissertation: Nonsteady Stagnation Flow and Free Convection Heat Transfer with Radiation. (Under the direction of Mehmet Necati Ozisik).
- Eiton Tin-ming Cheng, Physics (December, 1971)
Hong Kong, B. C. C.
- Dissertation: A Calculation of the Sixth Moment of the NMR Absorption Line in a Crystal. (Under the direction of Jasper Durham Memory).
- Carroll Lloyd Cordes, Zoology (December, 1971)
Clute, Texas
- Dissertation: Comparative Study of the Uptake, Storage, and Loss of DDT in Small Mammals. (Under the direction of Don W. Hayne).
- Robert Cote, Statistics (August, 1971)
Quebec, Canada
- Dissertation: Minimum Bias Approximation of a General Regression Model with an Application to Rational Models. (Under the direction of Allison R. Manson and Robert J. Hader).
- Claude Cecil Crawford, Zoology (July, 1971)
Raleigh, North Carolina
- Dissertation: "The Utilization of Dissolved Free Amino Acids by Estuarine Microorganisms" (Under the direction of John Eyres Hobbie).
- Andrew Gordon Cuthbertson, Economics (August, 1971)
Victoria, Australia
- Dissertation: Occupational Training the Trucking Industry. (Under the direction of Loren A. Ihnen).
- Herbert Lee Davis, III, Marine Science (December, 1971)
Wilmington, North Carolina
- Dissertation: Evaluation and Use of the Partial Pressure of Carbon Dioxide in Studying Community Metabolism in Heated Experimental Ecosystems. (Under the direction of John E. Hobbie and B. J. Copeland).
- Prakashchandra Dhirubhai Desai, Mechanical Engineering (July, 1971)
Bulsar, Gujarat, India
- Dissertation: "Dynamic Response of a Variable Cross Section Curved Beam to an N Shaped Shock Pulse" (Under the direction of Larry Herbert Royster and Franklin Delano Hart).

- Paul Duane, Economics (December, 1971)
Sydney, Australia
- Dissertation: Analysis of Wool Price Fluctuations: An Economic Study of Price Formation in a Raw Material Market. (Under the direction of Thomas Dudley Wallace).
- David Walter Engel, Zoology (December, 1971)
Morehead City, North Carolina
- Dissertation: The Effects of Salinity, Temperature and Radiation on the Ionic Regulation of the Blue Crab, *Callinectes sapidus*. (Under the direction of Joseph W. Angelovic and Donald E. Smith).
- Joop Adriaan Jacob Faber, Forestry (December, 1971)
Raleigh, North Carolina
- Dissertation: Precision of Sampling by Dots for Proportions of Land Use Classes. (Under the direction of William L. Hafley and Charles H. Procter).
- John Roquemore Floyd, Jr., Psychology (December, 1971)
Raleigh, North Carolina
- Dissertation: Stimulus-support in Programmed Instruction: Adult Learners Vis-a-vis School Children. (Under the direction of James Lawrence Cole).
- William Thomas Forsee, III, Biochemistry and Botany (December, 1971)
Belle Glade, Florida
- Dissertation: Adenosine Monophosphate Inhibition of Carbon Dioxide Fixation by Isolated Chloroplasts of *Euglena gracilis*. (Under the direction of Joseph S. Kahn).
- Damien Anthony Gabis, Food Science (July, 1971)
Steubenville, Ohio
- Dissertation: "Studies of the Effects of Low Temperature Storage on the Metabolism of *Escherichia coli*" (Under the direction of Richard Ammon Cowman and Marvin Luther Speak).
- Lloyd Bernard Garrett, Mechanical Engineering (December, 1971)
Yorktown, Virginia
- Dissertation: An Implicit Finite Difference Solution to the Viscous Radiating Shock Layer with Strong Blowing. (Under the direction of George Louis Smith and John Noble Perkins).
- Hubert John Gerken, Jr., Animal Science (December, 1971)
Blacksburg, Virginia
- Dissertation: Whole Corn, Liquid Supplement and Polyethylene for Beef Cattle. (Under the direction of Raymond W. Harvey and Elliot R. Barrick).

- Albert David Grauer, Physics (December, 1971)
Raleigh, North Carolina
Dissertation: A Computer Model of the Barium Ion Cloud Experiment. (Under the direction of Alvin Wilkins Jenkins, Jr.).
- Ramiro Guerrero, Soil Science (December, 1971)
Bogota, Colombia, South America
Dissertation: Soils of the Colombian Llanos Orientales — Composition and Classification of Selected Soil Profiles. (Under the direction of Stanley W. Buol).
- Leslie Charles Gunderson, Electrical Engineering (July, 1971)
Raleigh, North Carolina
Dissertation: "An Investigation of a Radially Symmetric Dielectric Lens Antenna" (Under the direction of Gerhard Karl Megla).
- William J. Haley, Economics and Statistics (December, 1971)
Bozeman, Montana
Dissertation: Human Capital Accumulation over the Life Cycle. (Under the direction of Thomas Dudley Wallace).
- Tyler David Hartwell, Statistics (July, 1971)
Berkley, Michigan
Dissertation: "Estimating Variance Components for Two-Way Disproportionate Data by the Method of Unweighted Means" (Under the direction of David William Gaylor).
- Moisés Ahmed Hassan, Physics (December, 1971)
Managua, Nicaragua
Dissertation: On the Evaluation of Time Correlation Functions. (Under the direction of Fred Lado and A. W. Jenkins).
- James Edward Hillis, Chemistry (December, 1971)
Greensburg, Pennsylvania
Dissertation: Energy Transfer in Transition Metal Complexes. (Under the direction of M. Keith DeArmond).
- Donald Earl Hoss, Zoology (December, 1971)
Straits, North Carolina
Dissertation: Routine Energy Requirements of a Population of Pinfish (*Lagodon rhomboides Linnaeus*) in the Newport River Estuary, North Carolina. (Under the direction of Joseph W. Angelovic and B. J. Copeland).
- James Preston Howell, Materials Engineering (December, 1971)
Columbia, South Carolina
Dissertation: Thermomechanical and Thermochemical Behavior of a Hafnium-20 Percent Tantalum Alloy. (Under the direction of Charles R. Manning, Jr.).

- Douglas Eugene Humphreys, Mechanical Engineering (December, 1971)
Raleigh, North Carolina
- Dissertation: Design for Improvements to Static Performance and Lateral-Directional Dynamic Stability of a Constant Attitude Light Aircraft. (Under the direction of Frederick Otto Smetana).
- John William Johnson, Forestry (December, 1971)
Franklin, Virginia
- Dissertation: Effects of Forest Floor Inclusion and Ashing on Nutrient Analysis of Forest Soils. (Under the direction of Tenno Ewald Maki).
- Dorothy Mae Johnston, Psychology (December, 1971)
Prairie Grove, Arkansas
- Dissertation: Information Processing through Visual Perception as a Function of Signal-to-Noise Ratio, Bandwidth, Contrast, and Type of Noise on a Television Display. (Under the direction of Richard Gustave Pearson and Stanley M. Soliday).
- Michael George Karandinos, Entomology (July, 1971)
Athens, Greece
- Dissertation: "Analysis of Density and Aging Effects on the Reproduction of *Hippelates* eye gnats (Diptera: Chloropidae)" (Under the direction of Richard C. Axtell).
- Kun Ha Kim, Mechanical Engineering (December, 1971)
Seoul, Korea
- Dissertation: Similar Solutions of Some Newtonian and Non-Newtonian Boundary Layer Flows with Radiation. (Under the direction of Mehmet N. Ozisik and James C. Mulligan).
- Andrew Klein, Chemical Engineering (December, 1971)
Somerville, New Jersey
- Dissertation: Emulsion Polymerization Kinetics of Vinyl-Acetate. (Under the direction of Vivian T. Stannett and Edward P. Stahel).
- Vasundhara S. Lad, Soil Science (August, 1971)
Bombay, India
- Dissertation: Gaseous Losses of Nitrogen Associated with the Growth of Rice in Pot Culture. (Under the direction of William Victor Bartholomew).
- Yih-Shyong Lee, Plant Pathology (December, 1971)
Taipei, Taiwan
- Dissertation: Nature of the Interaction of Soybean Mosaic Virus and Bean Pod Mottle Virus in Bean and Soybean. (Under the direction of John Paul Ross).

- Robert Edward Mason, Statistics and Zoology (December, 1971)
Raleigh, North Carolina
- Dissertation: Non-linear Estimation by Parabolic Approximation. (Under the direction of A. H. E. Grandage and D. W. Hayne).
- Jagdish Prasad Mathur, Physics (December, 1971)
New Delhi, India
- Dissertation: Nuclear Magnetic Resonance Lineshapes Studies in Single Crystals of KBr and TlBr. (Under the direction of Jasper D. Memory).
- Daniel William Miller, Physics (December, 1971)
Salisbury, North Carolina
- Dissertation: The Mass, Decay Properties, and Levels of ^{36}K from the ^{36}Ar (p,n) ^{36}K and ^{36}Ar ($^3\text{He,t}$) ^{36}K Reactions. (Under the direction of Friedrich G. Everling).
- William James Mitchell, Chemistry (August, 1971)
Raleigh, North Carolina
- Dissertation: Luminescence Studies of Chromium Complexes. (Under the direction of M. Keith Dearmond).
- Catherine Clare Mitsch, Chemistry (December, 1971)
Wheeling, West Virginia
- Dissertation: ^{31}P NMR Studies and Molecular Orbital Calculations on Arylphosphonic Acids and Related Compounds. (Under the direction of Charles Glen Moreland and Thomas Courtney Caves).
- Vasilios A. Mylonas, Soil Science (August, 1971)
Pournari, Greece
- Dissertation: Effects of Humic and Fulvic Acids on Growth and Ion Uptake by Tobacco. (Under the direction of Charles B. McCants).
- Billy Denzil Neely, Chemistry (December, 1971)
Pipestem, West Virginia
- Dissertation: Part One. Kinetic Isotope Effects in the Elimination of Hydrogen Fluoride from Chemically Activated 1,1,1-trifluoroethane. Part Two. Photolysis of Hexafluoroacetone-Water Mixtures. (Under the direction of Halbert Carmichael).
- Douglas E. Neil, Psychology (July, 1971)
Denair, California
- Dissertation: "An Electromyographic and Biomechanical Analysis of Power Output in the Human Forearm" (Under the direction of Richard Gustave Pearson).

- John C. Nemeth, Botany (August, 1971)
Raleigh, North Carolina
Dissertation: Dry-matter Production in Young Loblolly Pine (*Pinus taeda* L.) and Slash Pine (*Pinus elliottii* Engelm.) Plantations. (Under the direction of Arthur W. Cooper).
- Wayne Henry Oleson, Nutrition (December, 1971)
Clearfield, Utah
Dissertation: Effect of Disease and Injury on Accumulation and Biosynthesis of Coumestrol in Alfalfa. (Under the direction of Evan E. Jones).
- Nassar K. Ordoukhani, Statistics and Soil Science (December, 1971)
Tehran, Iran
Dissertation: A Stochastic Model for Plant Spacing. (Under the direction of Laurence Alan Nelson).
- Federico Jorge O'Reilly, Statistics (December, 1971)
Mexico, D. F., Mexico
Dissertation: On Goodness-of-Fit Tests Based on Rao-Blackwell Distribution Function Estimators. (Under the direction of Charles Price Quesenberry).
- Gordon Henry Otto, Economics (December, 1971)
Houston, Texas
Dissertation: Toward an Endogenous Lag Theory in Capital Investment Behavior. (Under the direction of Thomas Dudley Wallace).
- Barbara Noble Padnos, Chemistry (July, 1971)
Burlington, Vermont
Dissertation: "Pyrulytic Dehydrofluorination of 1, 1-Difluoro-ethane" (Under the direction of H. H. Carmichael).
- George A. Paku, Statistics (August, 1971)
Kumasi, Ghana, West Africa
Dissertation: Minimum Bias Estimation in the Mixture Problem. (Under the direction of Allison R. Manson and Robert J. Monroe).
- Kenneth Theodore Perez, Zoology (December, 1971)
Setauket, New York
Dissertation: Effects of Rates of Salinity Change on the Oxygen Uptake and Blood Serum Sodium of Spot (*Leiostomus xanthurus*). (Under the direction of John E. Hobbie and Charles F. Lytle).

- David Peters, Zoology (August, 1971)
Huron, South Dakota
- Dissertation: Growth and Energy Utilization of Juvenile Flounder, *Paralichthys dentatus* and *Paralichthys lethostigma*, as Affected by Temperature, Salinity and Food Availability. (Under the direction of Joseph W. Angelovic and John E. Hobbie).
- Max Rupert Peterson, Jr., Chemistry (December, 1971)
Buies Creek, North Carolina
- Dissertation: I. Alkyl Substituent Effects in the 1-fluoroadamantane System. II. Brominolysis of Adamantane Derivatives. III. Lanthanide Induced Chemical Shifts in the Adamantane System. (Under the direction of George H. Wahl, Jr.).
- Richard Michael Philpot, Physiology and Biochemistry (December, 1971)
Raleigh, North Carolina
- Dissertation: Interactions between Cytochrome P-450 and Methylene-dioxphenyl Compounds and Their Effect on Microsomal Hemoprotein Difference Spectra. (Under the direction of Ernest Hodgson).
- Charles Wayne Prather, Biochemistry (July, 1971)
Belmont, North Carolina
- Dissertation: "Pathways of One-Carbon Unit Generation from Glyoxylate and Glycine in *Nicotiana rustica* L." (Under the direction of Edward Carroll Sisler).
- George Stephen Prehoda, Chemical Engineering (December, 1971)
Flint, Michigan
- Dissertation: Pilot Plant Studies of Radiation Induced Emulsion Polymerization of Vinyl Chloride. (Under the direction of Edward Paul Stahel).
- Alan Ray Proctor, Genetics (August, 1971)
Rocky Mount, North Carolina
- Dissertation: A Genetic and Enzymatic Analysis of Tryptophan Biosynthesis in *Staphylococcus aureus*. (Under the direction of Wesley E. Kloos).
- Arcadio Javier Quimio, Plant Pathology (July, 1971)
Laguna, Philippines
- Dissertation: "Penetration of Tobacco Roots by and Nature of Resistance to *Pseudomonas solanacearum*" (Under the direction of Charles E. Main).

- Tricita Hidalgo Quimio, Botany (July, 1971)
Laguna, Philippines
- Dissertation: "Germination and Chilling Response of Cotton Seeds with Special Emphasis on Proteins and Isoenzymes" Under the direction of Glenn Ray Noggle).
- Manzoor Elahi Raja, Soil Science (December, 1971)
Peshawar, West Pakistan
- Dissertation: Nitrogen and Potassium Fertilization of Corn as Related to Grain Yield and Leaf Composition. (Under the direction of Eugene J. Kamprath).
- Goodwyn George Reeves, Electrical Engineering (December, 1971)
Raleigh, North Carolina
- Dissertation: The Transversely Adjusted Gap Laser — A New Class of Devices. (Under the direction of John R. Hauser).
- Mauro Silva Reis, Plant Pathology (December, 1971)
Vicosa — Minas Gerais, Brazil
- Dissertation: Decay Resistance of Wood Species from the Amazon Basin and Southeastern Brazil. (Under the direction of Ellis Brevier Cowling and Larry Frank Grand).
- Raymond John Reith, Jr., Nuclear Engineering (December, 1971)
Farmingdale, New York
- Dissertation: On Two-Group Problems in Radiative Transfer and Neutron-Transport Theory. (Under the direction of Charles Edward Siewert).
- Ira Sylvan Rosenfeld, Biochemistry and Nutrition (December, 1971)
Maplewood, New Jersey
- Dissertation: The Reduction Reaction in the Biohydration of Unsaturated Fatty Acids by *Butyrivibrio fibrisolvens*. (Under the direction of Samuel B. Tove).
- James Ray Rutledge, Mechanical Engineering (December, 1971)
Raleigh, North Carolina
- Dissertation: A General Mathematical Model for the Class IV Flextensional Underwater Acoustic Transducer. (Under the direction of Larry Herbert Royster).
- Garland E. Scott, Jr., Materials Engineering (August, 1971)
Pineville, North Carolina
- Dissertation: Effect of Carbon on a Calcium Aluminate Material. (Under the direction of Robert F. Stoops).

- Kishankumar Karamchand Seth, Chemical Engineering (July, 1971)
Bombay, India
- Dissertation: "Gaseous Mass-Transfer Studies in Aqueous Reactive Electrolytes" (Under the direction of Edward Paul Stahel).
- Gireesh K. Sharma, Entomology (August, 1971)
Jaipur, India
- Dissertation: Nutrition and Metabolism of Sulfur Amino Acids in *Argyrotaenia velutinana* (Walker) Larvae. (Under the direction of George C. Rock and Frank E. Guthrie).
- Bennett Michael Smith, Physics (July, 1971)
Washington, D.C.
- Dissertation: "Energy Transport and Coloration Processes in Yttrium Vanadate" (Under the direction of Grover Cleveland Cobb, Jr.).
- Glenn Roosevelt Smith, Jr., Civil Engineering (December, 1971)
Arlington, Virginia
- Dissertation: A Nonlinear Static Analysis for Spherical Truss Domes. (Under the direction of John Frederick Ely).
- Thomas Louis Steepy, Plant Pathology (December, 1971)
Pennington, New Jersey
- Dissertation: The Transmission of Peanut Stuant Virus and Its Effects on Peanut Yields. (Under the direction of Teddy T. Hebert).
- James Franklin Taylor, Physiology (December, 1971)
Cary, North Carolina
- Dissertation: The Occurrence of Phosphatidylethanolamine and the Biosynthesis of Phospholipid Ethanolamine in Larvae of the Blowfly, *Phormia regina* (Meigen). (Under the direction of Ernest Hodgson).
- Harold M. Tyus, Zoology (August, 1971)
Starke, Florida
- Dissertation: Population Size, Harvest and Movements of Alewives, *Alosa pseudoharengus* (Wilson), during Spawning Migrations to Lake Mattamuskeet, North Carolina. (Under the direction of F. E. Hester and David E. Davis).
- Kim von Weissenberg, Forestry (December, 1971)
Helsinki, Finland
- Dissertation: Indirect Selection for Resistance to Fusiform Rust in Loblolly Pine. (Under the direction of Ellis B. Cowling and Thomas O. Perry).

- Hashim bin Abdul Wahab, Crop Science (December, 1971)
Alor Star, Malaysia
- Dissertation: Influence of Moisture, Temperature and Defoliation Systems on Water-Use Efficiency of Forage Crops. (Under the direction of Douglas Scales Chamblee).
- Charles M. Walters, Mathematics (August, 1971)
Fayetteville, North Carolina
- Dissertation: Continuous Linear Transformations of the Field of Mikusinski Operators. (Under the direction of Raimond A. Struble).
- Charles Michael Walton, Civil Engineering (December, 1971)
Hampton, Virginia
- Dissertation: A Strategy for Increased Mobility of Specific Rural Socio-Economic Groups: A Rationale for Transportation Decision-Making for Small Rural Communities. (Under the direction of W. F. Babcock).
- I-Wu Chu Wang, Entomology (December, 1971)
Tainan, Taiwan, China
- Dissertation: Fine Structure of Dorsal, Terminal, and Ventral Organs of the House Fly Larva, *Musca domestica* L. (Under the direction of Richard Charles Axtell).
- Thomas Weiss, Psychology (December, 1971)
Bayonne, New Jersey
- Dissertation: Resource Utilization and Allocation of Reward. (Under the direction of Gerald S. Leventhal).
- Richard M. Willett, Mathematics (August, 1971)
Louisville, Kentucky
- Dissertation: Sequential Generation of Involuntary Matrices. (Under the direction of Jack Levine).
- Augustus McIver Witherspoon, Botany (December, 1971)
Raleigh, North Carolina
- Dissertation: The Effect of Sodium Fluoride on the Physiology, Ultrastructure, and Rate of Ion Uptake in Synchronous Cultures of *Chlamydomonas reinhardtii*. (Under the direction of Charles E. Anderson).
- Clifton Woods, III, Chemistry (August, 1971)
Charlotte, North Carolina
- Dissertation: Vibrational Assignments and Normal Coordinate Analyses of Trimethylarsenic and Antimony Dichlorides, Dibromides, and Their Deuterated Analogues. (Under the direction of George Gilbert Long).

Shao-Po Wu, Nuclear Engineering (December, 1971)

Taipei, Taiwan

Dissertation: The Green's Function Technique for Neutron Thermalization
in a Proton Gas. (Under the direction of Raymond LeRoy
Murray) .

Awards for Achievement 1971-1972

SCHOOL OF AGRICULTURE AND LIFE SCIENCES

Agricultural Council Outstanding Club Member Awards:

- Agronomy:* Kenneth Ray Bateman, Columbia
Food Science: Allan Robert Hovis, Greensboro
Horticulture: James Robert Hope, Shelby
Wildlife Biology: Jimmy S. Woodall, Rockingham
Agricultural Engineering: John Carlton Smith, Hickory
Agricultural Economics: James Edwin Wall, Jr., Morven
Agricultural Institute: Shelton T. Story, Newsoms, Virginia
Animal Science: Julian W. Smith, Kinston (AED)
Poultry Science: Phil Darrell Caveness, Ramseur
Life Science Club: Wayne Howard Miller, Pisgah Forest

Agricultural Economics:

- Wall Street Journal Student Achievement Award: Stephen Ernest Miller, Stony Point

Agronomy:

- Senior Highest Scholastic Average in Agronomy: Maurice K. Berry, Jr., Elizabeth City
American Society of Agronomy Award, Most Outstanding Senior: Maurice K. Berry, Jr., Elizabeth City
Agronomy Club Leadership Award: John Starkie Harden, Windsor

Animal Science:

- American Society of Animal Science Senior Scholarship Awards: Larry Dale Cooper, Pantego; and Larry N. Whitt, Mars Hill
Most Outstanding Senior: Royce Donovan Phillips, Candler

Biological and Agricultural Engineering:

- American Society of Agricultural Engineers, Student Honor Award: Frank Lewis Smith, Siler City
Senior Honor Award in Biological and Agricultural Engineering Technology Program: Larry Eugene Merrill, Leicester

Food Science:

- B. M. Newell Award: Dale Rodney Freeze, Troutman

Gamma Sigma Delta:

- Senior Certificate: Grover C. Stowe, III, Charlotte

Horticultural Science:

- Burpee Award: Kevin Dean Starr, Maiden
Outstanding Senior Horticulturist Award: Donald Claude Coston, Hendersonville

Zoology:

- Most Outstanding Student: Grover C. Stowe, III, Charlotte

SCHOOL OF DESIGN

The American Institute of Architects School Medal: Richard Lee Rice, Jr., Raleigh
The American Institute of Architects Certificate of Merit: John Scott Rodgers, Cleveland, Ohio
Alpha Rho Chi Medal: Curtis Worth Fentress, Greensboro
North Carolina Chapter of The American Institute of Architects Book Award: Richard Eugene McCommons, Raleigh
Walter Hook Book Award: Thomas Michael O'Shea, Raleigh
The American Society of Landscape Architects Certificate of Merit: James Barry Carpenter, Gastonia
North Carolina Section of the Southeastern Chapter of the American Society of Landscape Architects Book Award: Willie Alfred Denning, Willow Springs
The Alcoa Book Award in Product Design: Philip Carlisle Lang, Raleigh
The Alcoa Book Award in Visual Design: Lesley Elizabeth Pack, Alexandria, Virginia

SCHOOL OF EDUCATION

Agricultural Education Club Awards: most outstanding senior graduating at the end of fall semester—Rondy Louie Atkins, Ruffin; most outstanding senior graduating at the end of spring semester—Frank Robert Walls, Jr., Fuquay-Varina; most outstanding senior for the 1971-72 school year—Larry Joe Revels, Lumberton
Education Council Outstanding Senior Awards: Agricultural Education—Larry Joe Revels, Lumberton; Industrial Arts Education—Allen Lewis Price, Morganton; Mathematics Education—Cherrie Linda Bowling, Zebulon; Science Education—Brenda Kay Pipkin, Raleigh; Vocational Industrial Education—Kathleen Hill Carter, Ellerbe
Kappa Phi Kappa Scholarship Medal: Douglas Hugh Clark (Agricultural Education), Pittsboro

SCHOOL OF ENGINEERING

Dean's Leadership Award: Alex Raymond Burkart, Medford Lakes, New Jersey (Senior, Nuclear Engineering)
The Humanitarian Award: Robert Lynn Misenheimer, Brevard (Senior, Mechanical Engineering)
The Outstanding Engineering Senior Award: Robert Gregory Snipes, Florence, South Carolina (Senior, Nuclear Engineering)
The Outstanding Engineering Citizen Award: William Park Tomlinson, Raleigh (Senior, Nuclear Engineering)
Biological and Agricultural Engineering: American Society of Agricultural Engineers Outstanding Senior Award: Frank Lewis Smith, Siler City
Chemical Engineering: Eastern North Carolina Section AICHE Outstanding Senior Award: Robert B. Ambrose, Jr., Fayetteville
Civil Engineering: American Society of Civil Engineers Award to Outstanding Seniors: Ronald Lee Scullin, Princeton, New Jersey; Benjamin Blandford Turner, Charlotte; Robert Steve Kennedy, McLeansville; Lynn Randall Ward, Elizabeth City; Associated General Contractors Award to Outstanding Senior in Civil Engineering Construction Option: Robert Steve Kennedy, McLeansville; North Carolina Chapter of American Public Works Association Award to Outstanding Seniors in Civil Engineering: Ronald Lee Scullin, Princeton, New Jersey; Renaldo Lovisa, Jr., Homer City, Pennsylvania

Electrical Engineering: Outstanding Senior Award: Steve Douglas Sink, Thomasville
Engineering Operations: Outstanding Senior Award: Gilbert P. Anderson, Winston-Salem; *Friend of the Engineering Operations Society:* W. T. Easter, Raleigh
Furniture Manufacturing and Management: Outstanding Senior Award: Eugene Nicholas Randall, Raleigh
Industrial Engineering: Outstanding Senior Award: J. Thomas Foster, Jr., Raleigh
Materials Engineering: Outstanding Senior Award: Roy Mitchell Arrowood, Jr., Durham; *J. C. Steele Ceramic Engineering Scholarship Cup:* William Barton Evers, Raeford
Mechanical and Aerospace Engineering: American Institute of Aeronautics and Astronautics Outstanding Achievement Award: Jerry Edward Deese, New London; *American Institute of Aeronautics and Astronautics Chairman's Certificate:* John Estes Conway, Asheville; *American Society of Mechanical Engineers' Outstanding Student Member Certificate Award:* Kenneth Charles Diehl, Norfolk, Virginia; *American Society of Mechanical Engineers' Faculty Advisor's Award:* Thomas Barry Lyons, Charlotte
Nuclear Engineering: Outstanding Senior Award: Robert Gregory Snipes, Florence, South Carolina

SCHOOL OF FOREST RESOURCES

Xi Sigma Pi Senior Awards: Lewis Eric Hinesley, High Point
Xi Sigma Pi Freshman Award: Rex Alexander Robertson, Windermere, Florida
Biltmore Scholarship Awards: Driss K. Drissi, Meknes, Morocco; Samuel C. Long, Severn
Conger Scholarship Awards: Sam L. Amerson, Wilson; William O. Boykin, Columbia, South Carolina
Homelite Honor Award: James Vernon Goebel, Silver Hill, Maryland
Paper Industry Management Association Awards: (Southern Division) Jeffrey Alan Hearn, Selmer, Tennessee; (Southeastern Division) Frederick William Tanner, Nelson, British Columbia, Canada
Slocum Scholarship Awards: Dickie Lee Owenby, Andrews; Raymond Mars Sheffield, Robbins
Weyerhaeuser Fellowship Awards: Ronald Paul Overton, Monon, Indiana; Stephen M. Seay, Durham
Rho Phi Alpha Award: Matthew Lyle, III, Atlanta, Georgia

THE SCHOOL OF LIBERAL ARTS

The Liberal Arts Highest Scholastic Achievement Award: Sarah Copeland Harris, Henderson

SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES

The Chemical Rubber Company Award for Outstanding Achievement in Freshman Chemistry: William Lee Stewart, Concord
The Merck Index Award for Scholastic Achievement in Chemistry: William Anthony Kleschick, Havelock
Award for Outstanding Senior in the Department of Mathematics: Archie Henry Muse, Carthage
Award for Outstanding Junior in the Department of Mathematics: Thomas Neal Jernigan, Laurinburg
Award for Outstanding Sophomore in the Department of Mathematics: Elizabeth Gay Davis, Alexandria, Virginia

SCHOOL OF TEXTILES

Harry Ball Honor Award: David M. Bruton, Troy
Saul F. Dribben Memorial Award: Vernon K. Davis, Roxboro
Lawrence Iason Honor Award: Cliff L. Seastrunk, Asheville
Everett C. Drake Honor Award: Leon S. Moser, Newton
Harry Riemer Honor Award: E. Mitchell House, Jr., Scotland Neck
Chester H. Roth Honor Award: Henry W. Bateman, Norristown, Pennsylvania
John M. Reeves Scholarship: Gay L. Kurtz, Graham
Textile Veterans Association Honor Award: David S. Graves, Mount Airy
John E. Reeves Award: Robert H. Salvin, Greensboro
Donald F. McCullough Award: J. Gregory Herring, Goldsboro
Textile Forum Award: Gary E. Richardson, Cooleemee; B. Keith Boykin, Wilson;
G. Preston Cheek, Graham; R. Michael Evans, Rockingham
American Association of Textile Chemists and Colorists Award: Robert Stevenson
Harvey, Gastonia
Phi Psi Textile Fraternity Award: Loring G. Rivers, Kinston
American Association for Textile Technology Award: Richard D. Black, Gastonia
Sigma Tau Sigma Scholarship Fraternity Award: Robert A. Usher, Jr., Winston-
Salem
Delta Kappa Phi Textile Fraternity Outstanding Senior of the Year Award:
Wayne R. Booth, Gastonia
North Carolina Textile Manufacturers Association Award: Wayne R. Booth,
Gastonia

ALUMNI ATHLETIC TROPHY

Thomas E. Evans, Jr., Wilmington, Delaware

PHI KAPPA PHI, NATIONAL HONOR SCHOLARSHIP SOCIETY

Intellectual Achievement—Ph.D. Candidate: Elizabeth Lois Lipscomb, Raleigh
Intellectual Achievement—M.S. Candidates: Johanna K. Ridgeway, Raleigh;
Roger Dale Wyatt, Albemarle
Highest Scholastic Achievement—Senior: John A. Pasour, Bessemer City
Highest Scholastic Achievement—Junior: James T. Vance, Jr., Jamestown
Highest Scholastic Achievement—Sophomore: Robert E. Mears, Raleigh
Sparks Memorial Fellowship (National Award): John A. Pasour, Bessemer City

AIR FORCE ROTC AWARDS

American Legion ROTC General Military Excellence Award: Cadet Major
William H. Worsley, Greenville (Gold Medal); Cadet Captain Jesse L. Lewis,
Pikeville (Silver Medal)
American Legion ROTC Scholastic Award: Cadet Major Jeffrey D. Rawls,
Stokes (Gold Medal); Cadet Captain Douglas E. Utley, Raleigh (Silver Medal)
Armed Forces Communications and Electronics Association Award: Cadet Major
Richard D. Barrier, Concord
Daughters of the Founders and Patriots of America Medal: Cadet Sergeant
Talivaldis I. Maidelis, Manchester, Connecticut
Sons of the American Revolution Medal: Cadet First Lt. Richard P. Sergel,
Raleigh
Reserve Officers Association Membership Award: Cadet Major Andrew F. Mc-
Rorie, III, Raleigh
Reserve Officers Association Medal: Cadet Captain Douglas E. Utley, Raleigh

Reserve Officers Association Certificate: Cadet Sergeant James C. Kiker, Charlotte; Cadet Airman William T. Gardner, Rockingham
Air Force Times Award: Cadet Major Daniel G. Smith, Fayetteville
General Dynamics Award: Cadet Technical Sergeant Tony M. Oakley, Cedar Grove
Society of American Military Engineers Award: Cadet Captain Douglas E. Utley, Raleigh
Community Service Award: Cadet Major Haywood R. Starling, Jr., Raleigh
Professor of Aerospace Studies Award: Cadet Colonel Charles B. Clayton, Pantego
Major General William C. Lee Award: Cadet Lt. Colonel Joseph C. Allen, III, Cary
Commandant of Cadets Award: Cadet Major Robert C. Edgerton, Cary
Cadet of the Year Awards: Cadet Captain James M. McDaniel, Jacksonville; Cadet Sergeant Steven T. Rudell, Jacksonville; Cadet Sergeant Timothy K. Roberts, High Point
Honor Flight Leader Award: Cadet Captain Larry L. Bass, Fayetteville

ARMY ROTC AWARDS

American Legion Medals for Military Excellence: Richard W. Rungler, Fort Bragg; Henry L. Lucas, Rocky Mount
American Legion Medals for Scholastic Excellence: Ernest C. Pearson, Charlotte; Dwight H. McLean, Rocky Mount
Armed Forces Communications and Electronics Association Medal: Erich A. Paul, Winston-Salem
Daughters of the Founders and Patriots of America Medal: Fred W. Burt, Fuquay-Varina
Sons of the American Revolution ROTC Medal: John P. Lollis, Brevard
Reserve Officers Association Medal: Needham W. Langston, Jr., Durham
Reserve Officers Association Certificate: William M. Litaker, Belmont; Frederick S. Duke, Wilmington
Reserve Officers Association Membership Award: William M. Litaker, Belmont
American Ordnance Association Award: Paul L. Williams, Florence, South Carolina
Association of the U. S. Army Award: Henry L. Lucas, Rocky Mount
AUSA, Special Award, Braxton Bragg Chapter: William M. Litaker, Belmont
American Veterans of World War II (AMVETS) Medal: Richard W. Seekamp, Durham
Department of the Army Superior Cadet Awards: Ernest C. Pearson, Charlotte; Paul H. Spivey, Greenville; Frank J. Sweeney, Alexandria, Virginia; Michael W. Jordan, Thurmont, Maryland
Certificate of Meritorious Leadership Achievement: Ernest C. Pearson, Charlotte
Colonel John W. Harrelson Award: Daniel J. Moore, Claymont, Delaware
Pershing Rifles Achievement Awards: Donald W. McPhail (Gold), Newport News, Virginia; Robert L. Boylston (Silver), Greensboro; Fred W. Burt (Bronze), Fuquay-Varina; James L. Cathell (Bronze), Wrightsville Beach
Society of American Engineers Association Award: Donald W. McPhail, Newport News, Virginia; Dwight H. McLean, Rocky Mount

OUTSTANDING TEACHER AWARDS

This year a committee composed of one student from each of the eight schools selected two recipients for the outstanding teacher awards. Each award is accompanied by a \$500 check from the North Carolina State Alumni Association.

The awards are announced each year as part of the Commencement exercises.

USAF ROTC Cadets Commissioned

1971-1972

TO BE COMMISSIONED ON 13 MAY 1972

*Allen, Joseph Carr, III	Cary
*Barrier, Richard Daniel	Concord
**Clayton, Charles Barry	Pantego
*Rawls, Jeffrey Dwight	Stokes
*Richardson, Mark Francis	Stokesdale
*Woodruff, Walter Wesley	Roanoke Rapids
*Worsley, William Henry	Greenville
Anderson, Samuel Miles, III	Raleigh
Arnold, Walter Allen	Zebulon
Bass, Larry Lucas, Jr.	Fayetteville
Byrd, Samuel Miller	Sanford
Couns, Norman Cleveland	Raleigh
Edgerton, Robert Cregg	Cary
Embler, Paul Conley, Jr.	Asheville
Fogleman, Dean Gray	Aberdeen
Hill, Billy Gerald	Wilson
Kistler, Charles Edmund, III	Fayetteville
McRorie, Andrew Franklin, III	Raleigh
Oehmann, Carl Edward	Silver Spring, Maryland
Page, Russell Norwood	Clemson, South Carolina
Smith, Daniel Gunter	Fayetteville
Sprague, John Leslie	Fayetteville
Starling, Haywood Ray, Jr.	Raleigh
Stowe, Stephen Parker	Raleigh
Taylor, Ted Daniel	Grafton
Westmoreland, James Wilson, Jr.	Lexington
Wylie, Thomas Edward	Charleston, South Carolina

COMMISSIONED ON 20 DECEMBER 1971

Barnes, Warren Dixon	Raleigh
Duncan, John Thompson, Jr.	Apex
Miller, Ned Krimminger, II	Concord
Norris, Johnny Farris, Jr.	Salisbury
Stewart, William Fred	Ramsey, New Jersey

* Distinguished Military Graduate

** Also to be commissioned in Regular Air Force

Army ROTC Cadets Commissioned

1971-1972

TO BE COMMISSIONED ON 13 MAY 1972

*Harris, Joe E.	Elkin
*Paul, Erich A.	Winston-Salem
*Pearson, Ernest C.	Charlotte
*Seekamp, Richard W.	Durham
*Yeates, Murray G.	Virginia Beach, Virginia
Boykin, Royce K.	Wilson
Bradford, Dana G.	Sebring, Florida
Case, Mark S.	Raleigh
Cherry, Jack, III	Raleigh
Christian, Wolfgang	Raleigh
Collins, Gary M.	Monroe
Collins, Robert T.	Winchester, Kentucky
Curriu, Richard H.	Apex
Doherty, Wayne W.	Wilmington
Ervin, Gary D.	Charlotte
Fox, Martin D.	Durham
Fuerst, Robert L.	Rocky Mount
Gray, Richard L.	Cary
Greene, Larry F.	Charlotte
Hall, Johnnie D.	Autryville
Helms, David A.	Charlotte
Hill, Robert E.	Tishomingo, Oklahoma
Hodges, Brent	Fayetteville
Hopkins, Edward J.	Middletown, Ohio
Horne, Byron S.	Morehead City
Hovis, Allan R.	Greensboro
Isenberg, Larry G.	Fayetteville
Johanson, Lars B.	Bronx, New York
Leis, Lawrence R.	Silver Spring, Maryland
Mathis, Lynn E.	Charlotte
Millsaps, Harvey E.	Mooresville
Morrison, Fleming H.	Manquin, Virginia
Nicholson, Grover C.	Greensboro
Pollock, Harold L.	Clinton
Reavis, Steven E.	Asheboro
Reid, William A.	Hickory
Sanders, Bruce G.	Kinston
Sellers, William P.	Sanford
Shenefiel, Stephen E.	Corry, Pennsylvania
Smart, Charles S.	Concord
Steiner, Stephen J.	Dayton, Ohio

* Distinguished Military Graduate

Stephens, Michael K.	Rocky Mount
Stout, Dan H.	Fayetteville
Upchurch, James E.	Durham
Wardle, Lynn D.	San Bernardino, California
White, Lyonel C.	Hamlet
Williams, Paul L.	Florence, South Carolina
Wilson, Clement C.	Charlotte
Witherington, James N.	Winston-Salem

COMMISSIONED DECEMBER 1971

Bradsher, John R.	Hurdle Mills
Roberts, Clarence E.	Hickory
Zickefoose, Gary M.	Buckhannon, West Virginia

TO BE COMMISSIONED JULY AND AUGUST 1972

*Litaker, William M.	Belmont
*McPhail, D. Wayne	Newport News, Virginia
Crockett, John H.	Wytheville, Virginia
Crouse, Gary D.	Greensboro
Dees, Eugene D.	Raleigh
Fleming, William W.	Potomac, Maryland
Holmes, Stephen M.	Columbus, Georgia
Ingram, Charles L.	Greensboro
Jones, Thomas R.	Grifton
Lilly, Franklin G.	Troy
Raymond, George E.	Cary
Reid, David E.	Asheville
Reynolds, Robert J.	Fayetteville
Rich, Tommy L.	Durham
Scott, Richard H.	Cocoa Beach, Florida

COMMISSIONED MARCH 1972

Raper, James B.	Whiteville
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* Distinguished Military Graduate

the 1990s, the number of people with a university degree has increased from 10% to 25%.

There are several reasons for the increase in the number of people with a university degree. One reason is that the number of people who go to university has increased. Another reason is that the number of people who complete a university degree has increased.

The increase in the number of people with a university degree has led to a number of changes in the labour market. One change is that the demand for people with a university degree has increased. Another change is that the wages of people with a university degree have increased.

The increase in the number of people with a university degree has also led to a number of changes in the educational system. One change is that the number of people who go to university has increased. Another change is that the number of people who complete a university degree has increased.

The increase in the number of people with a university degree has also led to a number of changes in the social structure. One change is that the number of people who are employed has increased. Another change is that the number of people who are unemployed has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the economy. One change is that the number of people who are employed in the service sector has increased. Another change is that the number of people who are employed in the manufacturing sector has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the culture. One change is that the number of people who are employed in the creative industries has increased. Another change is that the number of people who are employed in the traditional industries has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the environment. One change is that the number of people who are employed in the environmental sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the health care system. One change is that the number of people who are employed in the health care sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the social services system. One change is that the number of people who are employed in the social services sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the housing market. One change is that the number of people who are employed in the housing sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the transportation system. One change is that the number of people who are employed in the transportation sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.

The increase in the number of people with a university degree has also led to a number of changes in the energy sector. One change is that the number of people who are employed in the energy sector has increased. Another change is that the number of people who are employed in the traditional sectors has decreased.