

Seventy-ninth

Annual Commencement

North Carolina State University at Raleigh

Saturday, May 25

Nineteen Hundred and Sixty-eight

Degrees Awarded 1967-68

*Corrections on pages: 14(2), 18(2),
21, 25, 26(2), 27(2), 36*

Musical Program

EXERCISES OF GRADUATION

MAY 25, 1968

CARILLON CONCERT: 9:30 A.M.

The Memorial Tower

Albert Hardy, Jr., Carillonneur

COMMENCEMENT BAND CONCERT: 9:45 A.M.

William Neal Reynolds Coliseum

March for the Sultan Abdul Medjid Donizetti

Cantique and Faranade McBeth

Symphony No. 5 in C Minor, First Movement Beethoven

Festive Overture, Op. 96 Shostakovich

PROCESSIONAL: 10:15 A.M.

March Processional Grundman

RECESSIONAL:

University Grand March Goldman

NORTH CAROLINA STATE UNIVERSITY COMMENCEMENT BAND

Donald B. Adcock, Conductor

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 occanside!

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

Exercises of Graduation

William Neal Reynolds Coliseum

May 25, 1968

PROCESSIONAL, 10:15 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 John Tyler Caldwell
Chancellor

CONFERRING OF DEGREES John Tyler Caldwell
Chancellor

Harry C. Kelly
Provost

Candidates for baccalaureate degrees presented
by Deans of Schools. Candidates for advanced
degrees presented by Dean of the Graduate
School. Candidates for honorary degrees
presented by their sponsors.

ANNOUNCEMENT OF GOODWIFE DIPLOMAS Robert Gray Shipley
Vice-President of Student Government

RECOGNITION OF OUTSTANDING TEACHERS Harry C. Kelly
Provost

ANNOUNCEMENT OF OUTSTANDING TEACHER

AWARDS Iain Alasdair Fraser
President, Class of 1968

REMARKS TO THE GRADUATING CLASS Dan K. Moore
Governor of North Carolina

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

12:15 P.M.

School of Education Carmichael Gymnasium
School of Liberal Arts Harris Cafeteria

12:40 P.M.

Department of Engineering Operations Raleigh Little Theatre Amphitheatre

1:30 P.M.

School of Agriculture and Life Sciences

Adult Education Carmichael Gymnasium
Agronomy, Crop Science, Plant Protection
and Soil Science Williams Hall Auditorium and
McKimmon Room, Williams Hall
Animal Science Fitzpatrick Room, 125 Polk Hall
Biological and Agricultural
Engineering 158 Agricultural Engineering Building
Biological Sciences and Botany 2213 Gardner Hall
Economics 256-258 Erdahl-Cloyd Union
Food Science Food Science Building
Genetics 3516 Gardner Hall Addition
Horticultural Science 125 Kilgore and 121 Kilgore Hall
Poultry Science 224 Scott Hall
Zoology 3533 Gardner Hall

School of Design Erdahl-Cloyd Union Ballroom

School of Engineering

Agricultural Engineering 158 Agricultural Engineering Building
Chemical Engineering Erdahl-Cloyd Union Gallery
Civil Engineering Lobby of Mann Hall
Electrical Engineering Thompson Theatre
Engineering Mechanics 119 Riddick Hall
Furniture Manufacturing and Management 222 Riddick Hall
Industrial Engineering 234 Riddick Hall
Mechanical Engineering 216 Broughton Laboratories
Mineral Industries Parlor, King Religious Center
Nuclear Engineering Burlington Nuclear Laboratories

School of Forest Resources 162 Kilgore Hall

School of Physical Sciences and

Applied Mathematics General Laboratory Building

School of Textiles Nelson Textile Auditorium

ROTC Commissioning Ceremony

William Neal Reynolds Coliseum

May 25, 1968

PROCESSIONAL MARCH 3:00 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 Oscar B. Wooldridge
Chaplain (Lieutenant Commander), USNR-Ret.

INTRODUCTIONS John Tyler Caldwell
Chancellor, North Carolina State University

ADDRESS Richard J. Seitz
*Major General, U.S. Army
Commanding General, 82d Airborne Division*

ADMINISTRATION OF OATH
OF OFFICE Colonel Paul V. Tuttle, PMS
Colonel Samuel G. Schlitzkus, PAS

PRESENTATION OF CERTIFICATES
OF COMMISSION Major General R. J. Seitz—U.S. Army
Brigadier General F. S. Smith—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 as are the tassels for B.A., B.S., and B.E. degrees; 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 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.

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 25, 1968

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

John Hamlett Merritt, III Roxboro
Patrick Safrit Smith Beaufort

BACHELOR OF SCIENCE

Agricultural Economics

Vernon Charles Ballard Fuquay-Varina
Thomas McKenzie Crews, Jr. Oxford
Porter Christy Little, III Pittstown, N. J.
David Wright Miller, Jr. Snow Hill
Ralph Sylvester Morgan Smithfield
John Atlas Mullis Lenoir
Randy Eichman Niederer Titusville, N. J.
Joseph Hanes Stilwell Danville, Va.
† Bobby Graham White Burlington

Agronomy

Charles Everett Brown, III Shawboro
David Thomas Rozzell Swannanoa
John Martin Scott, Jr. Milton
Leland McKinley Simmons Newport
Larry Wayne Stewart Elkin
Richard Martin Sumrell Snow Hill

• Honors •• High Honors # Honors Program † In Absentia

Leon Randolph Whichard, Jr.	Jackson
#*William Herbert Williams	Hertford

Animal Science

Robert Wilson Gudger, Jr.	Charlotte
John Vann Hall	Aulander
Clement Michael Holthouser	Mooreville
*Marvin Boyd Newlin	Mebane
Charles Grainger Pierce	Weldon
†Eugene Jule Richmond	Durham
William Valentine Roessler, III	Winston Salem
Larry Wayne Stewart	Elkin

Biological and Agricultural Engineering

Charles Franklin Boyles, Jr.	Charlotte
Thomas Lee Caviness, Jr.	Fuquay-Varina
Robert Joseph Cooke	Four Oaks
Gurney Reece Dillard	North Wilkesboro
Thomas Francis Drake	Lexington, Va.
Manuel Mejia	Bogota, Colombia
*Roy Dean Rhue	Winston-Salem
Morris Glenn Skipper	Abbottsburg
†Ronald Edward Wheeler	Angier
Donald Wayne White	Williamston
Kenneth Alvin Worthington	Snow Hill

Biological Sciences

#Carroll Lennell Allen	Cary
Charles Waller Arthur, II	Candler
Robert Gordon Carson, III	Raleigh
#**Robert Ray Jackson	Pittsboro
Barbara Jean Miller	Altavista, Va.
#*David Thomas Patterson	Hillsborough
†John Wesley Weber, Jr.	Raleigh

Botany

Jane Green McNeary	Charlotte
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Crop Science

Patrick Henry Harper	Kinston
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Food Science

Margaret Anne Cooke	Cleveland
*Freida Ann Eaker	Cherryville
Robert Lionel Stark	Pennsauken, N. J.
*John Robert Woodard, Jr.	Spring Hope
George Henry Worsham	Rutherfordton

* Honors ** High Honors # Honors Program † In Absentia

Horticultural Science

#*Elwood Lee Cumbo	New Bern
John Thomas Davis	Lumberton
Elliott Keith Hornbeck	Richmond, Va.
Thomas Dwight Talley	Reidsville

Plant Protection

#*Ronald Perry Thompson	Lucama
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Poultry Science

Joseph Jackson Edmondson, II	Maury
John Warren Jackson	Henderson
Harlen James Price, Jr.	Monroe
Robert Otis Triplett	Rutherfordton
Wayne Aubrey Ward	Denton

Soil Science

James Hamilton Ware, Jr.	Turkey
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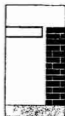
Zoology

#*Neal Ashley Adkins, Jr.	Rocky Mount
George Ruffin Benton, III	Goldsboro
†Michael George Bolus	Raleigh
†Frederick C. Bonner	Aurora
Jonathan Wesley Bost	Kings Mountain
Robert LeRoy Busch, Jr.	Cynthiana, Ky.
Timothy Michael Cleary	Southern Pines
Michael Dale Collins	Mechanicsburg, Penna.
Christina Harding Coltrane	Madison
Richard Martin Cooper	Asheboro
John Lambert Cottingham, III	Durham
#John Kent Crawford	North Wilkesboro
*Cecil Murray Farrington, Jr.	Granite Quarry
*Jeffrey David Gnad	Sea Cliff, N. Y.
Robert Wilson Gudger, Jr.	Charlotte
Mack Raymond Horrell	Atkinson
**Robert Marshall Horton	Raleigh
James Thomas Jennings	Raleigh
#Lawrence Edward Lykins	Atlanta, Ga.
Danny Blair Magoun	Indianapolis, Ind.
Donald Johnson Manley	Reidsville
Barbara Jean Miller	Altavista, Va.
Evan Wayne Miller	Sparta
Harold Gomer Morgans	Pittsburgh, Penna.
*David Allen Pennell	Boomer
Barnard Hodge Powell	Wake Forest
Lloyd Hildres Rawls	Fayetteville
†*John Bennit Renfro	Cary
*James Odell Richardson, Jr.	Stokesdale
Kenneth Ray Russell	Raleigh

• Honors ** High Honors # Honors Program † In Absentia

Ronnie Leroy Shell	Black Mountain
#**John Vikram Thomas	Charlotte
**Lynda Rigsbee Weston	Durham
James Alton Whitehurst	Raleigh
James Brogden Womble, III	Aberdeen
#*Richard Charles Yates	Absecon, N. J.
†James Byron Zuver	Burnsville

School of Design



BACHELOR OF ARCHITECTURE

William Leonard Ambrose, III	Knoxville, Tenn.
Samuel William Brockwell	Durham
John Charles Brown	Norfolk, Va.
Coleman Hughes Bynum, Jr.	Jacksonville
†Wallace Vanamber Calvert, Jr.	Raleigh
Christina Chih-Lin Chen	Taipei, China
Joseph Albert Chipman	Raleigh
Randolph Rudisill Croxton	Lincolnton
John Albert DeMartini	Midland Park, N. J.
James Francis Dugan, III	Orangeburg, S. C.
Michael Alan Fields	Rockville, Md.
*Margaret Marie Garey	Easton, Md.
*Reinhard Karl Goethert	Manchester, Tenn.
*Richard John Green	Painesville, Ohio
Charles Durham Harris	Enfield
Frank Mackey Hough, Jr.	Charlotte
David Ward Jones	Raleigh
*John Wesley Kinney, Jr.	Winston-Salem
John Earl Lawrence	Tarboro
William Lucian McGee	Asheville
Novem Miller Mason	Morehead City
John Edward Moyer	La Plata, Md.
Harold Lee Ogburn	Smithfield
William James Patrick	Shawboro
Edward Shelton Payne	Silver Spring, Md.
Irvin Alexander Pearce	Greensboro
John David Ramseur	Charlotte
James Edward Rink, Jr.	Charlotte
Marshall Brice Roberts	Weaverville
*James Hassell Ross, Jr.	Raleigh
Faset Joaquin Seay	Bryson City

* Honors ** High Honors # Honors Program † In Absentia

Stephan Leslie Setzer	High Point
Thomas Matson Shadoin, Jr.	Greensboro
John Charles Stec	Charleston, W. Va.
Betty Cushing Surbeck	Cheshire, Conn.
Paul Kirksey Thames, Sr.	Hope Mills
*Hal Hodges Tribble	Asheville
John Frederick Warren	Princeton, N. J.
Donald LeRoy Whitesell	High Point

Bachelor of Landscape Architecture

Peter Frederic Bochenek	McLean, Va.
*Donald Lynn Collins	Charlotte
Patricia Rae Hale	Aiken, S. C.
*Randolph Thompson Hester, Jr.	Roxboro
William Karl Hube, Jr.	Raleigh
Thomas Gene Martin	Greensboro
George Arthur Stockton, III	Winston-Salem
Claude Lawrence Vaughan, III	Shelby

Bachelor of Product Design

Lewis Franklin Bost	Shelby
Stuart Alan Cook	Salisbury
Philip Warren Cotton	Roanoke, Va.
Joe Reid Covington, Jr.	Winston-Salem
James Douglas Ezell	Charlotte
John Walter Harvey	Statesville
George Roger Hollomon, Jr.	Murfreesboro
Robert Springs Pharr	Charlotte
John Davis Sims, Jr.	Troutman
Kenneth Thompson, II	Waynesville
Lawrence Daniel Tracy	Chapel Hill
Donald McQueen White, III	Mount Pleasant, S. C.

School of Education



BACHELOR OF SCIENCE IN EDUCATION

Agricultural Education

Reuben Richard French, Jr.	Reidsville
Billy Joe Henson	Vilas
Jerry Thomas Holland	Holly Springs
* Honors	** High Honors
# Honors Program	† In Absentia

Tyree Bennett Holland, Jr.	Apex
Earl Jennings Huffman, Jr.	Richland
Ivey Elliott Peterson	Clinton
Alton Douglas Powell	Seven Springs
Ricky Alfred Setzer	Claremont
Michael Ray Smith	Morganton
John Frank Simpson - - - - -	Marshall

Industrial Arts Education

Michael David Daniska	Collinsville, Va.
Clinton David Harley	Newland
Russell Gerald Stafford	Monroe

Mathematics Education

Donald Earl Beal	Durham
Carolyn Louise Caudle	Charlotte
* Judy Adams Gealy	Benson
* Patty Sue Greene	Boiling Springs
Dennis Karl Macklin	Elizabeth City
Walker Lynn Oldham	Goldston
† Peter Sokalsky, Jr.	Allentown, Penna.
* Jane Cornwell Warren	Lincolnton

Science Education

Anne O'Berry Austin	Four Oaks
Dennis Harry Ballard	Hendersonville
William Thomas Lawson, Jr.	Fairmont, W. Va.
Judy Mac O'Neal	Raleigh

Technical Education

Percy White West	Sanford
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Vocational Industrial Education

Elbert Ronald Batten	Clayton
Frank Cleveland Miller	Charlotte

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

Almont Wesley Baker, Jr.	Swannanoa
Arthur John McMahon	Carteret, N. J.
Paul William Moore	Harmony
Ralph Rigdon White, Jr.	Greensboro

* Honors ** High Honors # Honors Program † In Absentia

School of Engineering



BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING

John Huske Anderson, II	Fayetteville
Alvin Kermit Bailey, Jr.	Chapel Hill
Michael Coleman Bateman	Durham
#*Ronald Franklin Davis	Greensboro
Gary James Engels	Greensboro
David Briles Farlow	Asheboro
Francis Joseph Fisher, Jr.	Candler
Wayne Curtis Fisher	Norfolk, Va.
Samuel Thomas Hicks, III	Rolesville
*William Lincoln Hirst, Jr.	Fayetteville
*Jesse Luther Jackson, III	Kinston
Timothy Alexander Jordan	Charlotte
*Keith Lee Kushman	Cary
Glenn Logan Martin	Mount Airy
*Frank George Rezeli	Fayetteville
Ronald Dean Roberts	Rockingham
Asa Doshier Ruark, III	Southport
William Peter Ruzzo	Beachwood, N. J.
Edwin Paul Setzer	Hickory
Thaddeus William Shore	Boonville
Ronald Williams Shoulars	Kinston
Lorimer Phillip Thomas	Sanford
#**Charles Clark Thompson	Suffolk, Va.
John Wilson Warr, III	Hamlet
Johnie Easton Williams	Shallotte

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

Howard Burgess Chambers, Jr.	Winston-Salem
*James Frederick Holzgraf	Ramsey, N. J.
Douglas Hill Sawyer	Winston-Salem
Robert Patrick Steinmetz	Oradell, N. J.
†William Roger Swiss, Jr.	North Arlington, N. J.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

#*William Glenn Adams, Jr.	Greensboro
#**Ronald James Baer	Statesville
Lynwood Joseph Bell	Smithfield
*Thomas Joseph Chastant	Pine Bluff, Ark.
Anthony Thomas Dombroski, Jr.	Castle Hayne
*James Chadwick Henderson	Hendersonville
Jeffrey Bruce Herman	Philadelphia, Penna.

• Honors ** High Honors # Honors Program † In Absentia

George Gregory Hicks	Greensboro
Michael Ownby Hixson	Charlotte
*William Ernest Keeter, III	Charlotte
Michael Doyle Killian	Waynesville
**Richard Palmer Kitson	Wilmington, Del.
#Larry Lee Lanning	Lexington
*William Charles Lawton	Richmond, Va.
Cecil Berry Lee	Asheboro
Raymond Otho Linker, Jr.	Charlotte
Ahmed Amin El-Maghraby	Cairo, Egypt
#Alan Leslie Overcash	Media, Penna.
*Kendall Watson Patterson	Lynchburg, Va.
Matt John Russ	Charlotte
*Nathan Lewis Schloss	Greensboro
Joe Edmiston Sloop, Jr.	Mount Ulla
*Robert Lee Stallings, II	Owings Mills, Md.
Carl Spencer Stutts, Jr.	Salisbury
Edward Allen Turner	Gatesville
Dennis George Whitener	Lenoir

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Thomas Coley Allen, II	Raleigh
*John Royster Armfield	Mount Airy
Henry Andrew Black, Jr.	Fayetteville
Larry Johnson Brown	Kannapolis
Phiphat Charoensawadsiri	Bangkok, Thailand
George Michael Clendenin	Wilmington
Steven Lee Coleman	Raleigh
Jonathan Ellsworth Davis	Burlington
Phillip Graham Dickerson	Zebulon
Clifton Augustus Gardner, Jr.	Nashville
William Holladay Harris	Fredericksburg, Va.
Joel David Hawkins	Weaverville
Jerry Glenn Hayes	Selma
Terry Lee Hunt	Winston-Salem
William Wesley Hunter	Siler City
Larry Maurice Johnson	Gastonia
Ruffie Allison Jones, Jr.	Clayton
Arthur King Kelly	Kinston
William Henry Kitchen	Raleigh
Gordon Saunders Lancaster	Kinston
Gary Stephan Lineback	Winston-Salem
Robert Eugene Little	Charlotte
*William Harrison Lockhart, III	Charlotte
Robert Ronald McPherson	Raleigh
Derwood Clifton Matkins	Yanceyville
Larry Stephen Matthews	Elizabeth City
Daniel Jenkins May	Hendersonville
William Clyde Mills	Moorestville
Marion David Moore	Forest City
William LeRoy Morris, Jr.	Lincolnton
John Carl Murdock, III	Troutman
Donald Lee Petty	Graham
*Douglas Lee Quinn	Wilmington
Linwood Wilson Rogers, Jr.	Wilmington
*William Frank Rosser	Sanford

* Honors ** High Honors # Honors Program † In Absentia

Edmund Vincent Rotkewicz	Cliffside Park, N. J.
Rondal Jennings Sharpe	Las Vegas, Nevada
Walter Talmadge Shermer	Winston-Salem
Dyke Wayne Starnes	Granite Falls
David Mangum Stevenson	Raleigh
Daniel Marshall Stone	Trinity
Foil David Swing, Jr.	Lexington
Travis Hocutt Tomlinson, Jr.	Raleigh
Cancy Edward Tucker	Charlotte
James Elton Turlington	Clinton
Frederick Carlson Tyner	Red Springs
Gregory James Walker	Raleigh
Ralph Craig Watkins	Hickory
Thomas Edison West, Jr.	Wilmington
Howard White, III	Raleigh
John Gibson Wilson, III	Arlington, Va.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING,

CONSTRUCTION OPTION

Samuel Black Bledsoe, III	Gastonia
William James Brattain	Stanfield
Olney Joseph Brown, Jr.	Salisbury
Daryl Warren Cady	Norwich, Conn.
John Eugene Daves	Asheville
Gary Hill Hodges	Whiteville
Bruce Clayton Jacobs	Leland
Leonard Franklin Jones, Jr.	Rocky Mount
John Douglas Mitchell	Wakertown
Gary Edwin Parsons	Winston-Salem
Howard Powell Redding	Asheboro
Carl Bernhard Spelbrink	Rochester, N. Y.
Rockie Davis Troxler	Elon College
Paul Colby Williams	Raleigh
Robert Glenn Wright	Arlington, Va.

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

William Allen Acree	Greensboro
*Thomas Davis Adams	Murphy
#**William Clay Adams, Jr.	Trenton
Charles Edward Anderson	St. Petersburg, Fla.
*Humberto Aragon	Havana, Cuba
*Walter Louis Baker, III	Burlington
#*Everette Allen Barefoot, Jr.	Erwin
Robert Clay Barker	Oxford
*George Leon Bass	Valdese
*Donald Edward Bean	Lenoir
**Grover Cleveland Bishop	Spartanburg, S. C.
James Wendelin Breitmeyer	Mebane
*Gerard John Brunet	New Orleans, La.
Daniel Guy Bumgarner	N. Wilkesboro
William Carl Busching	Spring Valley, N. Y.
James Bernard Byrne	New York City, N. Y.
David Foyell Cecil	Lexington

* Honors ** High Honors # Honors Program † In Absentia

Charlotte
Fred Lee Hatchford, Jr.

*Richard Crafton Chambers	Winston-Salem
Alan Bruce Clark	Waynesville
Kay Nelson Clinard	High Point
*Paul Wesley Coble	Julian
#*Joseph Sampson Colson, Jr.	Oxford
Paul William Denninger	Otisville, N. Y.
Danny Craig Eddleman	Kannapolis
*Bobby Lee Ferguson	Liberty
Don Ennis Freeman	Hendersonville
*Charles Elbert Fulton	Walkertown
William Bennett Hall	Pineville
Douglas Francis Hawkland, III	Timonium, Md.
Kenneth Roy Haymond	Goldsboro
Clayton Scott Hinnant	Wilson
Eugene Emmitt Holland	Franklin, Va.
Donald Wayne Hoover	Eden
#Michael Vernon Horner	Burlington
Terence Long Houghton, Sr.	Raleigh
*James Alfred Jaques, III	Memphis, Tenn.
William Michael Jarecki	Raleigh
John Andrew Jarrell	Reidsville
† Frank Kimsey Justice	Tuckasegee
*John J. Pershing Kincaid, Jr.	Reidsville
Stanley Walter King	Mount Airy
Jerry Worth Kirk	Asheville
*Seigmond Gus Kopinitz	Brigham City, Utah
Wayne John Leleux	Picayune, Miss.
*Delio Lopez, Jr.	Largo, Fla.
*James Elmore Lowe	Pfafftown
#*Stephen Walter Lye	Wake Forest
Rafael Jorge Montoya	New York City, N. Y.
George Talbert Moss	Robbins
Raymond Earl Newton	Drexel
William Splane Page, Jr.	Kinston
Robert Elton Penny	Kinston
Howard Eric Poole	Glen Alpine
John Joseph Prevost	Kansas City, Mo.
Meredith Trotter Raney, Jr.	Aiken, S. C.
Thomas Prater Rankin	Lexington, Ky.
*Donald Martin Reynerson	Greenville, Texas
Roger Leon Ross	Norwood
Lawrence Eugene Rowland	Rocky Mount
Charles William Saalfrank, Jr.	Charlotte
Charles Ray Saleeby	Brevard
Robert John Schoderbek	Haw River
*Kenneth Larry Smith	South Euclid, Ohio
#*Wesley Edwin Snyder, Jr.	Fayetteville
*Lawrence Oliver Stahl	Morenci, Mich.
Farley Wayne Stallard	Coeburn, Va.
*Douglas Melville Tennant	Glendale, Calif.
Robert Eugene Triplett	Gritton
Robert William Ulrich, Jr.	Sanford
Kenneth Elston Walling	Belford, N. J.

* Honors ** High Honors # Honors Program † In Absentia

John Leray Taylor - - - - Conway

#* Joseph Harold White	High Point
*Arthur Martin Wiencken, Jr.	Statesville
••William Walter Wiles, Jr.	Burlington
Donald Roy Willett	Durham
David Lee Williams	Durham
Robert Spangling Wolf	Winston-Salem
*David Richard Wyke	Shelby
Joseph Neill York	Mount Airy
Ronald Calvin York	Charlotte

BACHELOR OF SCIENCE IN ENGINEERING MECHANICS

*Bradley Wayne Smith	Chapel Hill
Robert Stuart Steele, Jr.	Hickory

BACHELOR OF SCIENCE IN ENGINEERING OPERATIONS

Dallas Lloyd Alford, III	Rocky Mount
Jennings Blalock Almond	Albemarle
†Phillip J. Anderson	Dollar Bay, Mich.
George Eldridge Barnes	Rocky Mount
Lawrence Barnwell, Jr.	Hendersonville
James Abbott Barrow	Richmond, Va.
Franklin Wyant Bolick	Hickory
Raymond Robert Bouley	Charlotte
Joe Richard Brewer	New Salem
†Paul Latham Brinkley	Plymouth
David Jackson Brown	Mount Airy
Edward Lacey Chambers, Jr.	Danville, Va.
Gilbert Rider Chenery	Durham
Thomas Glenn Cherry	Maiden
James Rosser Collins	Raleigh
Roger Phillips Corner	Hockessin, Del.
John Edwin Couch	Durham
Norman Bowles Dennis	Durham
James Theophilus Dick, Jr.	Mebane
Philip Martin Dodson, Jr.	Riegelwood
Michael Ronald Ensley	Belmont
John Joseph Fehrenbacher	Traverse City, Mich.
Billy Fred Felton	Eure
James Geddie Fisher, II	Fayetteville
Robert Lee George, Jr.	Durham
James Capehart Gurley, III	New Bern
William Guy Hardin, III	Gastonia
†Donnie Nelson Hill	Charlotte
William Sidney Horton, Jr.	Charlotte
John Emmet Huss	Cramerton
Michael Theodore Jones	Oakland, Calif.
Curtis Stanley Kuehn	Asheville
Edward Wicker Largen	Charlotte
†Thomas Leslie Lee, Jr.	Kinston
Charles Price Loveland	Shelby
Robert Lothair Luellen	New Castle, Ind.
*Carroll Dale Merrell	Charlotte
Julius Russell Norris, Jr.	Rocky Mount

• Honors •• High Honors # Honors Program † In Absentia

Thomas Cleveland Paisley, Jr.	Toughkenamon, Penna.
Ronald Lewis Parks	Salisbury
Robert Lewis Phillips, III	Charlotte
Ronald Dale Popiel	Goldsboro
Wright Noble Rodman	Mount Olive
Henry Dean Rogers, Jr.	Greensboro
Charles Cramer Sink, II	Winston-Salem
James Abbott Swift	Shelby
Jonathan Reuben Wall Turner	Winston-Salem
Thomas Edgar Tyson	Greensboro
Donald Michael Weaver	Aberdeen
†Lawrence Edward Wicks	Akron, Ohio
James Nevit Witherspoon, II	Cherryville

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

Jerry Warren Cousins	Fort Smith, Ark.
Douglas Randall Davis	Maiden
Henry Paul Fulmer, Jr.	Jackson, Miss.
William Eugene Gordon, III	High Point
*Gideon Conway Huddle	Martinsville, Va.
Ronald Steven Killian	Hickory
*Lonnie Lee Miller, III	Salisbury
David Milton Moore	Hickory
Thomas Alexander Scott, Jr.	Lenoir
†William Dennis Zapke	Bon Air, Va.

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

David William Austin	High Point
James Wadsworth Heller, Jr.	Fayetteville
#*Lewis Edwin Link, Jr.	Easton, Penna.
*Franklin Jay Phillips	Dover, Del.
Robert Melvin Whisnant	Lenoir

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Alton Byron Bizzell	Newton Grove
*Larry Banks Blackwood	Greensboro
*Robert Arthur Boyette	Fayetteville
Morris O'Neal Bumgarner	Granite Falls
Mayo Elisah Collier, Jr.	Kenly
David Marion Crews	Stoneville
†David Joseph DuMontier	Charlotte
Donnie Russell Faucette	Kenly
William Albert Griswold	Raleigh
William Stephen Head	Winston-Salem
Harvey Eugene Jenkins	Cramerton
Clyde Alden Kaschub	Gastonia
*Ronald Ladd Kendrick	Gastonia
Kenneth Wayne Lawing	Maiden
Robert Wade Lindsay, Jr.	Enka
John Eddleman Mack, III	Gastonia
Anthony Arms Monfrado	Spindale
*David Franklin Parker	Rocky Mount
Thomas Robert Petrosino	New Haven, Conn.

* Honors ** High Honors # Honors Program † In Absentia

Prakash Babulal Sheth	Ahmedabad, India
Richard Alan Smith	Asheville
Max Alberto Soto	San Jose, Costa Rica

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Eugene Stanley Adams	Greensboro
*Horace Roland Ashburn	Charlotte
*Paul Lawrence Bailey	Roxboro
*Wayne Boyd Baker	Hickory
Leonard Bruce Barnwell	Hendersonville
William David Bibb	Fayetteville
#*Thomas Furman Brooks	Charlotte
Paul Ernest Bruchon, Jr.	Gastonia
Ronald Michael Callan	Falls Church, Va.
Clay Hughes Cline, Jr.	Boonville
Jimmy Monroe Corriher	China Grove
Ernest Clark Dowless	China Grove
Johnny Emerson Ellington	Graham
John Robert Field	Kannapolis
Harold Eugene Garver	China Grove
George Georgopoulos	Athens, Greece
Thomas Francis Gormley, Jr.	Union, N. J.
Frederick Raymond Greenwood	Cary
Jan Hagers	Westfield, N. J.
Edgar Milton Harris, Jr.	New London
Rudy Wayne Herren	Candler
Luther Wright Horne, III	Pleasant Garden
Charles Edward Hughes	Greensboro
William Thomas Johnson	Madison
Richard Paul Joseph	New Bern
Graham Harlee Kenan	Wilmington
*William Sease Koon	Asheville
Bruce Wayne Kyles	Maiden
James MacRae Lamb, Jr.	Kinston
*James Michael Larsen	Severna Park, Md.
Joseph Edwin Leonard	Greensboro
#**Charles Gerald Letchworth	Rocky Mount
Charles Joseph McCann, Jr.	Rockville, Md.
Edward Mallory McLean	Columbia, S. C.
Bennie Franklin Mangum	Angier
Thomas Edward May	Springfield, Va.
Lowell Thomas Miller	Sparta
Sidney Cole Mitchell	Denton
William Thomas Mitchell, Jr.	Kinston
Willard Milton Moore, Jr.	Asheville
Ronald David Norman	Charlotte
Spencer Wakefield O'Meara	Charlotte
James Blair Phillips	Bridgeton
Roy Norman Ray	Burnsville
Robert Hart Raynor	Henderson
Daniel Milas Ritchie, Jr.	Concord
James Dwight Royall	Thurmond
*Terry Lee Seaford	Concord
*Barry William Story	Lenoir
Fred Dean Upchurch	Charlotte
Kenneth Michael Wallace	Durham

* Honors ** High Honors # Honors Program † In Absentia

BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

Roger Edwin Cantrell	Gastonia
Gerald Mills Cobb	Hampton, Va.
Joseph Eugene Cresswell, Jr.	Badin
Carl Dennis Honeycutt	Gastonia
William Thomas Langendorfer	Sidney, N. Y.
# Michael Kent Lee	Monroe
Joseph McCracken Marr	Asheville
* Milton Warner Milner	Asheville
* Harold Edwin Oliver	Winston-Salem
Robert Patrick Steinmetz	Oradell, N. J.
Joseph Reed Thompson	Chapel Hill
Eric Smaltz Vogel	Arlington, Va.

BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

John Raymond Concklin	Pomona, N. Y.
* Charles Burch Davis, III	Roxboro
* Richard James Hosey	Raleigh
Cyrus Bryan Israel	McCain
Elmo Becton James	Everetts
Frank Harold McDougall	Pompano Beach, Fla.
Johnny McGrady	North Wilkesboro
Robert James Veklotz	Angola, N. Y.

School of Forest Resources



BACHELOR OF SCIENCE IN FORESTRY

Aubrey Sidney Baynes	Wendell
Stanley Walker Bingham	Clemmons
† Terry Hilliard Brookshire	Enka
* Albert Banner Coffey	Blowing Rock
Charles Turney Foster	Charlottesville, Va.
** George Graham Glass, Jr.	Raleigh
Harold Glenn Grady	Goldsboro
Gary Hale	Tyner, Ky.
James Victor Henderson	Saltville, Va.
James Thomas Jennings	Raleigh
Peter Lent Johnston	Burlington
Larry Martin Kennedy	Altoona, Penna.
David Aaron Noll	Norristown, Penna.

* Honors ** High Honors # Honors Program † In Absentia

Allen Louis Plaster	Morganton
*Henry Donnell Smith	Peachland
Harvey Allen Wade	Winston-Salem
James Hamilton Ware, Jr.	Turkey
*Michael Lynn Weatherford	Clinton, Ky.

BACHELOR OF SCIENCE IN PULP AND PAPER TECHNOLOGY

*David Lee Ashcraft	Pine Bluff, Ark.
**Mack William Bailey	Andrews, S. C.
*Joseph Wilder Boggs	Rome, Ga.
Leslie Allison Britton	Plymouth
Gale Herbert Goodman	West Jefferson
Jack Eugene Holder	Gaffney, S. C.
Andrew Louis Johnson	Oak City
Lawrence Julius Johnson	Georgetown, S. C.
*George Edward Lennon	Bladenboro
*Charles Edwin McLemore	Crossett, Ark.
John Francis Prichard	Salisbury
*Johnnie Dupree Respess	Plymouth
Harold Edward Sellers	Elyria, Ohio
*Michael Edward Ward	Neva, Tenn.
*David Eugene Zukowski	Erie, Penna.

BACHELOR OF SCIENCE IN RECREATION AND PARK ADMINISTRATION

Robin Dana Andrews	Raleigh
Anthony Patrick Barchuk	Brooklyn, N. Y.
Edward Joseph Biedenbach	Pittsburgh, Penna.
Thomas Larry Bradford	Fayetteville
James Joseph Davis	Manor, Penna.
† John William Douglass	Pittsburgh, Penna.
Joe Randolph Franklin	West Jefferson
Mary Ella Garriss	Raleigh
David Clark Hobson	Dunn
*Walter Phillip Kanoy	Thomasville
John Stuart Lawrence	Springfield, Penna.
*Barry Charles Lock	Belvidere, N. J.
David Charles Munhall	Hopkins, Minn.
James Lee Osborne	Hampton, Va.
Robert Eugene Parries	Mount Airy
Joel Eugene Peterson	Raleigh
*George Edward Rollins	Raleigh
*Robert Scott Stokes	Haddonfield, N. J.
Edward Richard Sykes, III	Wendell
Joseph Speed Jones Tanner	Palmer Springs, Va.
Joseph Cornelius Taylor	Raleigh
John Howard White	Orlando, Fla.
Robert Lee Williams, Jr.	New Bern

BACHELOR OF SCIENCE IN WOOD TECHNOLOGY

†*Marcel Decelles	Quebec, Canada		
Marc Francis Frampton	Pequannock, N. J.		
Andrew Stewart Nuckols	Rocky Mount		
* Honors	** High Honors	# Honors Program	† In Absentia

Robert Earl Nye	Clarkton
† Charles MacKarsie Page	Alexandria, Va.
Kimball Wyeth Russell	Badin
† John Frederick Schneider	Hammond, La.
Frank Roger VanNote	Ashbury Park, N. J.
Michael Carl Wiemann	Montvale, N. J.

School of Liberal Arts



BACHELOR OF ARTS

† Zeno Richard Allen	Winterville
Salvatore Dominic Amendolia	North Bellmore, N. Y.
• Gayle Maxene Andrews	Emmaus, Penna.
• Thomas Michael Antone	Raleigh
Henry Paul Averette, Jr.	Raleigh
Harry Strong Baker, III	Charlotte
Frank Fleetwood Bateman, Jr.	Charlotte
Joseph Arnold Brake	Rocky Mount
Edward Earl Braswell	Rocky Mount
• Kenneth George Burlock, Jr.	Jacksonville
• Mary Anne Burton	Raleigh
Ralph Tyrone Campbell	Raleigh
John Fulghum Cannady, III	Henderson
• Charles Gerald Carpenter	Elkin
Martin Bruce Chadwick	Raleigh
• James Stephen Chiles	Baltimore, Md.
Daniel Atlas Cockman	Robbins
Charles David Collins, Jr.	Zebulon
Elizabeth Powell Conrad	Fuquay-Varina
Samuel Edward Cope	Winston-Salem
• Dennis Laurence Cuddy	Raleigh
John Thomson Dawson, Jr.	Winston-Salem
Gloria Holmes Dean	Franklinton
Edgar Ray Denny	Carthage
† Melvin Joseph Doyle	Zebulon
• John Fortune Dunn	Sylva
Gian Carlo Brunetti Duri	Rome, Italy
• Harold Charles Dyer, Jr.	Wendell

• Honors •• High Honors # Honors Program † In Absentia

Robert Walter Eager	Upper Montclair, N. J.
† Jayne Ellen El-Ackad	New Brunswick, N. J.
* Charles Thomas Ferebee	New Bern
** Edward William Fisk	North Rose, N. Y.
Jane Creel Fox	Cary
Donna Marie McFarland French	Reidsville
Geoffrey Terrence Gaede	Durham
William Francis Gallogly, Jr.	Arlington, Va.
Gerald Fredric Gallup	Raleigh
* Charles John Gantner, Jr.	Piscataway, N. J.
Robert James Garner	Raleigh
Richard Arthur Gay	Raleigh
Ronald Glenn Goodman	Rockingham
* Ann Baggett Goodnight	Fayetteville
<i>Nelle</i> * Nettie Bess Hair	Fayetteville
David Earl Hale	New Bern
** Sulo Herman Heikkinen	Fayetteville
Stephen Henry Horney	Raleigh
Linda Alethea Howell	Raleigh
Robert Caldwell Hudspeth	Winston-Salem
Harry Steven Hughes	Thomasville
Jean Tilden Jackson	Wilmington
Timothy Hawley Johnson	Marion
William Francis Jones	Annapolis, Md.
William H. Jones, III	Saratoga
Henry Filmore Kale, Jr.	Mount Holly
Gerry Diane Katz	Statesville
David James Kennedy	Thomasville
Geary Kent	Yadkinville
Reinhardt Joseph Kieffer	Fayetteville
Byron Nelson Kimball	Winston-Salem
Stephen Paul King	Raleigh
* Bettye Kay Easley Kirk	Natchitoches, La.
† William Bryan Klurtz, Jr.	Salisbury
George Walter Knight	Rockingham
† William Throsby Kretzer	Springfield, N. J.
Raymond Arthur Lamont	Richmond, Va.
Hazen Glenn Lancaster, Jr.	Windsor
* Peggy Lynn Lassiter	Raleigh
* Dale Edward Lichtblau	York, Penna.
James Kelly Lockhart	Aiken, S. C.
Milford Holmes McCrary, Jr.	North Charleston, S. C.
† * Leon Ronald McLawhorn	Kinston
* Jettette O'Keefe Maloney	Winston-Salem
Mary Elizabeth March	Raleigh
** George Everett Marsh	Los Angeles, Calif.
Sharon Cooke Marshburn	Wendell
* Andrea Mewborn Montague	Raleigh
† Christopher James Monteleon, Jr.	Raleigh
* Joan Taylor Munger	Raleigh
Roland Berg Newhouse, Jr.	Raleigh
* Mary Katherine Newton	Forest City
† Joseph Edward Nicholson, Jr.	Raleigh

* Honors ** High Honors # Honors Program † In Absentia

Robert Hugh Noland	Waynesville
Jerry Warren Norris	Jamesville
Ness Olsen	Memphis, Tenn.
•• Julian Eugene Parker, Jr.	Raleigh
Joseph Robert Personette	Vienna, Va.
Robert Jackson Pickard, Jr.	Greensboro
Vickie Lou Pollock	Snow Hill
•• Rodney Ponder Poole	Raleigh
Michael Brian Prone	Scituate, Mass.
Larry Restivo	Bloomfield, N. J.
• Mary Seibel Richardson	Chapel Hill
Wesley Talbert Satterwhite	Louisburg
Quincy Jackson Scarborough, Jr.	Fayetteville
Thomas Vance Setzer	Raleigh
Richard Shackelford	Wake Forest
Stephen Cowles Shepherd	Ferguson
† Ross Minish Sigmon, III	Burlington
• Norman Jerry Simonoff	Norfolk, Va.
Barbara Sellers Smith	Raleigh
• Karen Maxine Smith	Mocksville
† Joseph Wilton Stainback	Henderson
Alfred John Steinberger, III	Charlotte
Joan Alexander Stenhouse	Charlotte
• Virginia Cagle Stephanakis	Concord
Odes Lawrence Stroupe, Jr.	Crossnore
† Leslie Dwain William Strumfels	Winston-Salem
† Lyle Parke Thomas	Raleigh
Dick Johnson Thompson	Raleigh
Mark Robert Thompson	Decatur, Ga.
Edwin Gilbert Thurlow, Jr.	Raleigh
* (•) Franklin Waters Trapnell, Jr.	<i>Honors</i> Baltimore, Md.
Robert Chung Kwong Tsang	Hong Kong
John Robert Urben	Raleigh
• Bettina Lee Warthen	Raleigh
• Mary Ann Weathers	Raleigh
• John Elwood Webby	Cary
James Michael Weeks	Raleigh
† Elizabeth Brewer Weidhuner	Raleigh
William Henry White	Raleigh
William Wallace White, Jr.	Black Mountain
† Nikki Catherine Wiestley	Winston-Salem
Bascombe Jay Wilson	Asheville
Stephen Michael Wilson	Newton
Karen Daye Wolff	Durham
Donald Roger Woolard	Washington
• Donald Edwin Wynne	Wake Forest
Mahmoud Zanjani	Tehran, Iran

BACHELOR OF SCIENCE

† Robert Steve Jolley	Cliffside
Ahmed Amin El-Maghraby	Cairo, Egypt
Gary Steven Smithwick	Raleigh

• Honors •• High Honors # Honors Program † In Absentia

School of Physical Sciences and Applied Mathematics



BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

Herbert Lee Benoy, III	Hamlet
#**Robert Emil Botsch	Lexington
*Dennis Lee Carroll	Charlotte
†Gerald Kay Dowlin	St. Pauls
*Robert Edward Dungan	Kingsport, Tenn.
*Gary Richard Feimster	China Grove
*Arthur Lewis Frazier, Jr.	Charlotte
Howard Wayne Gerringer, Jr.	Albany, Ga.
Robert Alson <i>Gray</i>	High Point
Noel Reed Hartsell	Albemarle
*Donald Lee Hill	Ararat
*William Frederick Horton, Jr.	Raleigh
Charles Marc Hubbard	Lillington
Robert Gordon Jones	Greenville, S. C.
*William Erwin Linn, Jr.	Fayetteville
William Henry Lucas	Raleigh
*James Donald McAdams	Mebane
Lynn Gray Maddry, Jr.	Raleigh
Janice Eloise Malone	Williamston
Rickie Lawrence Manuel	Draper
#*Michael Eugene Mauney	Charlotte
Carolyn Andrea Newhouse	Raleigh
*Marvin Ray Oliver	Kinston
Donald Harold Plake	Winston-Salem
Franklin Russell Rhue	Raleigh
Henry Horton Robinson, II	Greensboro
William Bennett Thaler	Manassas, Va.
Jack Lawrence Touchstone, Jr.	Greensboro
Donald Wilson Turner	Raleigh
*Karan Melinda Tuttle	Virginia Beach, Va.
#**Charles Jackson Washam, III	Charlotte

BACHELOR OF SCIENCE IN CHEMISTRY

Joseph Thomas Blackwell, III	Brevard
Samuel William Clary	Lawrenceville, Va.
Wayne Allen Cline	Charlotte
Donald Wayne Horne	Autryville

BACHELOR OF SCIENCE IN EXPERIMENTAL STATISTICS

<i>Michael Ross Guerin</i>	<i>Marshall</i>
Wilson Chiu Shiang Chen	Hong Kong
Bartlett Bowers Lewis	Asheville

• Honors ** High Honors # Honors Program † In Absentia

BACHELOR OF SCIENCE IN PHYSICS

#**Ted Roy Clem	Golden Valley, Minn.
*Lawrence Arthur Culler	High Point
Davis Eastland Hays	Kinston
*William Gerald Johnson	North Wilkesboro
Paul Warner Kivett	Greensboro
Nicholas George Koutroulias	Charlotte
#David Benjamin Montgomery	High Point
#Thomas Lee Murdock	Silver Spring, Md.
Nancy Green Robbins	Candler
*John Francis Seely	Raleigh
*Horace Brantley Snyder	Sylva
Robert Beard Teese	Leesburg, Fla.
#*Paul William Tillman, Jr.	Raleigh
Harold Stephen Zimmerman	Winston-Salem

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

Edward Basinger	Spencer
Larry Allen Baynes	Reidsville
*Michael Wayne Bernhardt	Salisbury
Larry Edward Blackburn	Pfafftown
*John Hao-Kiang Chan	Naha, Okinawa
David Kemp Covington	Rural Hall
Robert Edward Dalton	Raleigh
Robert Petre Daniels, Jr.	Elizabeth City
Bruce Andress Griffith	Woolwine, Va.
Claude Edwin Hamilton, Jr.	Salisbury
Johnny Antoine Handal	Port-au-Prince, Haiti
*Stephen William Hebert	Raleigh
*Sylvia Wai-Chu Ho	Hong Kong
Robert Barney Hull, Jr.	Gastonia
Frederick Palmer Isley, Jr.	Graham
Benjamin Plato Jenkins, III	Asheboro
Robert Clark Kearns	Pleasant Garden
Francis Pak-Hang Lau	Hong Kong
*Clayton Minto Legault	Ontario, Canada

* Honors ** High Honors # Honors Program † In Absentia

Charles Max Miller, III	Salisbury
*Real Joseph Erne Morin	Quebec, Canada
†Pierre Perreault	Montreal, Canada
Jerry Harold Reitzel	Liberty
Everette Eugene Shaver, Jr.	Salisbury
*James Roche Simpson	Concord
*Frederic Lewis Smyre, III	Gastonia
David Walter Tarton, Jr.	Mount Pleasant
*Larry Clifton Wadsworth	Smithfield
*William Thomas Warden	Elizabeth City
Harvey Lee Wicker	Sanford
Gerald Lynn Williamson	Kinston
Joseph Brian Wilson	Durham
*Leonard William Wood	Arlington, Va.

BACHELOR OF SCIENCE IN TEXTILE TECHNOLOGY

Wesley Thaddeus Adams, III	Raleigh
Bruce Forsyth Allen	Greensboro
Robert Gary Allen	Champlain, Va.
Larry Michael Alley	Kernersville
Roy Lawrence Anderson	Harmony
Frank Bradley Beal	Lincolnton
Steve Allen Bolick	Hickory
*John Frank Bowers	Norwood
Paul Henry Brannock	Kernersville
William Orville Caldwell, Jr.	Clyde
Louie Grayson Carter	Winston-Salem
*Billy Chow Lui Chow	Hong Kong
John Elbert Collier	Whiteville
Clifton Wayne Cook	Winston-Salem
Roy Hayes Cox, Jr.	Charlotte
Danny Rane Dampier	Morrisville
Jimmy Marshall Dellinger	Hickory
Stephen Glenn Dobbins, Jr.	Elkin
Terry Glenn Everhart	Lexington
Peter Anthony Falter	Caracas, Venezuela
*Grady Joe Frick	Albemarle
Richard Lee Gambill	Eden
Willard Chester Garner	Morehead City
Henry Baxter Gibson, Jr.	Whiteville
Nicholas Keith Gilbert	Newton
James S. Gilliam, III	High Point
*Jay Elliot Ginsburg	Great Neck, N. Y.
Jerry Wayne Goodman	Shelby
David Lee Gordon	Winston-Salem
Ottis Lee Gordon, Jr.	Monticello
Jackie Harold Grissom	Jamestown
John Millard Groet	Grifton
*Robert James Grubbs	Jacksonville
*John Nance Hall	Elkin
Harry Lester Hancock	Kannapolis
*William Chester Henderson	Newton
Amos Jackson Hough, Jr.	Wingate
Michael McKenzie Howle	Burlington
Charles Eugene Ipock	Vanceboro

* Honors ** High Honors # Honors Program † In Absentia

Robert Chapman Jackson	Grifton
*Richard Erik Jenkins	Concord
Albert Ernest Johnson	Sanford
*Charles Senter Johnson, Jr.	Marion
Joseph William Kernodle	Reidsville
† Patrick Roy Duffern Leverington	Ontario, Canada
James Reid Lewis	Gastonia
Ronald Mack Liffman	Bayside Hills, N. Y.
*Charles Patterson Logan, Jr.	Mooresboro
Roy Leon Lynam	Wake Forest
Daniel Lauchlan McLaurin, III	Rowland
*Randy Johnson McSwain	Shelby
Mohamed Loutfy Mansour	Alexandria, Egypt
Dwane Russell Mitchiner	Garner
Richard LeMoynes Morgan	Roanoke Rapids
Murry Walter Munns, Jr.	Wilmington
Michael Robinson Neaves	Elkin
Walter Leon Overman	Rocky Mount
James Wilson Owens	Elizabeth City
Leslie Ray Payne	Mebane
Leigh Brickhouse Peele	Columbia, S. C.
Thomas Carey Phillips	Edenton
Roy Eugene Pierce, Jr.	Vaughan
David Timothy Rouse	LaGrange
Julian Council Shaw, Jr.	Bladenboro
William Williams Shaw	Wilmington
Robert Allen Shinn	China Grove
Richard Wayne Summerlin	Albemarle
Bobby Wayne Taylor	Rocky Mount
Richard Jay Thal	Longmeadow, Mass.
Moises Urman	Lima, Peru
Randall Lee Ward	Durham
*Steve Franklin Warren	Lincolnton
James Stephen Weathersbee	Norwood
Charles Timothy Weaver	Goldsboro
Thomas Edward Weybrew	Raleigh
Claude Abbott Whitehurst	Elizabeth City
Ernest Ervin Whitener	Hickory
*Walter Howard Wilkinson, Jr.	Hickory
Zeno Russell Windley, Jr.	Spring Hope

Professional Degrees



Civil Engineer, Structural Option

† Donald Dietrich Haigh

Statesville

* Honors ** High Honors # Honors Program † In Absentia

Civil Engineer, Transportation Option

Fredy Jesus Santamaria Caracas, Venezuela

Electrical Engineer

William Carl Busching Spring Valley, N. Y.
William Woolcott Ellington, Jr. Raleigh
James Alfred Jaques, III Memphis, Tenn.

Industrial Engineer

Tony Bryon McNeill West Jefferson

Nuclear Engineer

†Maurice Daniel McIntosh Charlotte
Benjamin Ralph Sylvia Ashland, Va.

Masters Degrees



MASTER OF AGRICULTURE

Patricia Ann Kelly Greensboro
Robert Wayne Swain Southport

MASTER OF APPLIED MATHEMATICS

Sidney Bonitz Andrews, Jr. Wilmington
Jack Peter Bujalski Crosby, N. D.
†William Ferrell Burch, III Newport News, Va.
†John Paul Cerak Clayton, N. J.
†Gerald Wayne Corwin Orlando, Fla.
†Paul Harry Dimmick, Jr. Rawlins, Wyo.
Howard Jackson Fry, Jr. Riverside, Calif.
Joseph Parke Gaston, Jr. Greenville
Rebecca Miller Howard Raleigh
James Allison Hubbard Hope Mills
Peter Lawrence Knepell Kew Gardens, N. Y.
Derek Alan Lindsley Asheville
†William Blanchard Lowe, Jr. Auburn, Ala.
Johnny Truite Lowman Valdese
Gerald Arnold Marin High Point

• Honors •• High Honors # Honors Program † In Absentia

† Shirley Libbie Saleeby	Wilson
† Jeffrey Edward Schofield	Columbus, Ohio
Isham Creston Shields, Jr.	Columbia, S. C.
William Wallace Taylor	Corpus Christi, Texas

MASTER OF BOTANY

† James Richard Goodwin	Reedley, Calif.
Tommy Rockwell Miller	Conover

MASTER OF ECONOMICS

† Fahd Muhammad Bunyan	Al-Hasa, Saudi, Arabia
Katherine Merritt Chambers	Lumberton
Charles Thomas Gurkin, Jr.	Plymouth
Joel David Hill	Carolina Beach
Waldo Clyde Jones, Jr.	Raleigh
Paul Cecil Kirby	Raleigh
† William Cleland Lowe	Raleigh
Dimitrios Christos Papacosmas	Kleidion-Arta, Greece
† William Rossiter Peabody	Raleigh
William Vogler White	Winston-Salem

MASTER OF EDUCATION

Adult Education

David Horton Bland	Troy
James Gary Futrell	Tarboro
Murray Lane Goodwin	Columbia
Milton Carroll Harding	Kenbridge, Va.
Horace Jefferson Hux	Reidsville
Nancy Bush Preas	Leaksville
Hilda Grace Scott	Buckhannon, W. Va.
Beverly Annette Shipe	Lost City, W. Va.
Jefferson Woodrow Upchurch, Jr.	Garner

Agricultural Education

William Howard Adams, Jr.	Maiden
William Alton Ballance	Fremont
Larry Thomas Beckham	Henderson
Jesse Roland Butts	Oxford
Curtis Eugene Callihan	Elizabethtown
Roosevelt Cartret	Nakina
Walter Allan Edwards	Asheboro
William Wayne Franklin	Lumberton
Benny Bryant Hampton	Asheboro
Chester Bryant Honeycutt	Burlington
Coy Lynn Hudson	Concord
Charles Elliott Johnson	Greenville
Charles Little Keels	Monroe
Thomas Stephenson Keith	Fuquay-Varina
James Hector Langdon, Jr.	Benson
Robert Kenneth Melvin	Rockingham
Nicholas Larus Paul	Raleigh
† Benjamin Graham Potter	New Bern
Larry Edward Tetterton	Louisburg
Benjamin Griffin Ware	Newland
Robert Davis Warren	Benson

• Honors •• High Honors # Honors Program † In Absentia

Guidance and Personnel Services

†Sandra Nelson Arthur	Jacksonville
†Alonzo Merrick Barnes, Jr.	Philadelphia, Penna.
Roderick Wilson Bradley	Marion
†Sara Meister Buchanan	Bartlesville, Okla.
Thomas Leak Covington, Jr.	Davidson
Landrum Lee Cross	Raleigh
Nancy McLaurin Shannon Drew	Marietta, Ga.
Thomas Harold Elder	Fayetteville
†Stanley Melvin Epstein	Philadelphia, Penna.
Florence Irving Francis	Raleigh
Norma J. Bussman Grauer	Raleigh
Billy Ray Johnson	Dunn
†Clarence Jones	Bradenton, Fla.
Rosemary McKay Jones	Garner
†James Carl Keylon	Enka
Judith Alfred Kinney	Winston-Salem
†Shelby Harris Mansfield	Camden
Diane Ullman Marshall	Durham
Gene Heafner Moore	Raleigh
†Mary Elizabeth Goforth Parker	Raleigh
Linwood Warren Powell	Lawrenceville, Va.
†Jesse Allan Proctor	Shelby
Elizabeth Rank Smaltz	Wood, Penna.
Harriette Hudson Smith	Raleigh
Emerle Franklin Stephenson, Jr.	Murfreesboro
Ronald Gilbert Weaver	Buchtel, Ohio
Ruth Boaz Williard	High Point

Vocational Industrial Education

Kenneth Shuford Herman, Jr.	Raleigh
Richard Lee Waldroup, Jr.	Draper

MASTER OF ELECTRICAL ENGINEERING

†Lyles Cornwell Adair	Clinton, S. C.
William Leon Avery	Winston-Salem
Grover Cleveland Bishop	Spartanburg, S. C.
†Jack Roger Bridges	Raleigh
Gerard John Brunet	New Orleans, La.
Samuel Grady Burgiss	Hamptonville
Kun Ti Chen	Taipei, Taiwan
William Carl Drake	Gary
Jerry Sanders Harris	Gary
†Kong-Ho Huang	Ho-Mei, Chang-Hua, Taiwan
Alec Jablonover	Haifa, Israel
Seigmond Gus Kopinitz	Brigham City, Utah
Delio Lopez, Jr.	Largo, Fla.
Charles Kennett McAdams, Jr.	Fayetteville
Roy Donald Raper	Wilson
Donald Martin Reynerson	Greenville, Texas
†William Clarence Ritz	McKeesport, Penna.
Edward Benjamin Taylor	Fayetteville
Douglas Melville Tennant	Glendale, Calif.
†Mac Morgan Wisler	Southern Pines

• Honors ** High Honors # Honors Program † In Absentia

MASTER OF EXPERIMENTAL STATISTICS

Romulo Quintos Bengson	Manila, Philippines
Krissana Bhotycharoen	Pitsanuloke, Thailand
Aporn Chowadee	Bangkok, Thailand
James Howard Goodnight	Wilmington
John Marshall Lounsbury	Decatur, Ga.
Cheng-Hsuan Yuan	Taiwan, China
Chomnit Yudhanahas	Bangkok, Thailand

MASTER OF FORESTRY

Shah Ali Imam	Khulna, East Pakistan
Herbert Julien Kirk	Aberdeen
†Richard Vanneman Welch	Greensboro

MASTER OF MECHANICAL ENGINEERING

Kuen-Wen Chang	Kaohsiung, Formosa
George Benjamin Cox, Jr.	Durham
†Leroy Allen Farr	Great Bend, Kansas
†Charles Frederick Greer	Hopkinsville, Ky.
Jerry Ned Hefner	Norfolk, Va.
Earle Knowlen Huckins, III	Newport News, Va.
†John Paul Lay	Baton Rouge, La.
Chun Cheng Lii	Taichung, Taiwan
Li-Hsiung Liu	Chia-Yi, Taiwan
Ralph Norman McGill	Charlotte
Michael Grant Miller	Charlotte
†Harvey Lee Scholz	San Antonio, Texas
Zan Prevost Smith	Chapel Hill
†James Lowell Yarborough	Shelby
†Tom Shyh-Jyh Yu	Taipei, Taiwan

MASTER OF WOOD TECHNOLOGY

Ronald Marion Bienias	Chicago, Ill.
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MASTER OF ARTS

Economics

James Howe Johnson, Jr.	West Point, Va.
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MASTER OF SCIENCE

Adult Education

Joseph Conrad Glass, Jr.	Raleigh
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Agricultural Economics

†Vittorio Santaniello	Bari, Italy
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* Honors ** High Honors # Honors Program † In Absentia

Animal Science

†Grover Washington Westmoreland Hendersonville

Botany

†Gary Spencer Hartshorn New Egypt, N. J.
 John Charles Nemeth Chicago, Ill.

Chemical Engineering

Narong Chandr-Ruang-Phen Bangkok, Thailand
 †James Wayland Eheart Silver Spring, Md.

Chemistry

†Edward Covington Rhea Old Hickory, Tenn.

Civil Engineering

†Raymond Richard Avent, Jr. Newport News, Va.
 †Timothy Gayle Broome Monroe
 Clyde Dale Buckner Chapel Hill
 †Charles Thomas Cochrane High Point
 Sabir Hasan Mubarak Dahir Raleigh
 †Richard McCallum Jackson Henderson
 David Guy Modlin, Jr. Williamston

Crop Science

†Roy Walton Mazingo Princeton
 Johnny Calvin Wynne Williamston

Engineering Mechanics

Herbert Martin Eckerlin Raleigh
 Gayle Madison Wylie Cary

Entomology

James Robert Baker Apex

Food Science

Michael Maynard Peebles Constableville, N. Y.
 Dale Lee Scheusner Clear Lake, S. D.
 Dennis Charles Westhoff Afton, N. Y.

Genetics

Stanton Fred Hoegerman Brooklyn, N. Y.
 †Eiji Shimura Hiratsuka, Kanagawa, Japan

Horticultural Science

†Luis Guillermo Guillen Arequipa, Peru
 George Roscoe Hughes Raleigh

* Honors ** High Honors # Honors Program † In Absentia

Industrial Engineering

William Lowell Hanna	Lewiston, Mich.
†Rameshchandra Purshottam Kakad	Kakira, Uganda
†Ernest William Moore, Jr.	Raleigh

Mechanical Engineering

Bobby Lee Berrier	China Grove
Harry Loyd Morgan, Jr.	Portsmouth, Va.
Padmakar Madhav Niskeode	Hyderabad, India
†Abdul Manan Rahmani	Ramak, Ghazni
†Pablo Francisco Schick	Caracas, Venezuela
†Dipak Manilal Shah	Bombay, India
†Priyadarshi Ratanlal Sheth	Baroda, India
†Benjamin Ju-Cheng Wu	China

Microbiology

†Willard Troy Blevins	North Wilkesboro
†Kenneth Roland Dunlap, Jr.	Portsmouth, N. H.

Nuclear Engineering

†Gordon Randel Bond	Bluefield, W. Va.
†Hiroshi Matsumura	Raleigh

Physics

†Chetna Amritlal Shah	Bombay, India
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Science Education

†Robert Charles Evans, Jr.	Hazelwood
Merrill Thomas McColl	Ballston Lake, N. Y.
William Carl Smith	Meadville, Penna.

Soil Science

†Jimmy Douglas Gregory	Dudley
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Textile Chemistry

Howard Allen Chamberlain	Raleigh
Jerome Hardy Rhodes	Raleigh

Textile Technology

Ralph Delano Elliott	Warsaw, Va.
Charles William Reed	Winston-Salem
Frederic Lewis Smyre, III	Gastonia

Zoology

Fred Willie Beckerdite, Jr.	Winston-Salem
Richard Bache Hamilton	Raleigh

• Honors ** High Honors # Honors Program † In Absentia

Doctor of Education Degrees

- Samuel Bruce Petteway, Adult Education
Kinston, North Carolina
Dissertation: A Comparison of College Resident and Commuter Students on Selected Psycho-Sociological Characteristics. (Under the direction of Edgar J. Boone).
- Dwight Carroll Rhyne, Adult Education
Chapel Hill, North Carolina
Dissertation: Attitude Set, Group Learning, and Attitude Change. (Under the direction of Robert John Dolan).

Doctor of Philosophy Degrees

- Mumtaz Ahmad, Crop Science
Peshawar, Pakistan
Dissertation: Inheritance of Ear Height in *Zea mays* L. (Under the direction of Donald Loraine Thompson).
- †Mohammed Omar Ali, Wood Technology
Chittagong, East Pakistan
Dissertation: Strength-Chemical Composition Relationships of Yellow-Poplar (*Liriodendron Tulipifera* L.). (Under the direction of Aldos Cortez Barefoot, Jr.).
- Joseph Patrick Archie, Jr., Engineering Mechanics
Kinston, North Carolina
Dissertation: An Analysis of the Contribution of Alveolar Surface Properties to the Mechanics of Respiration. (Under the direction of Patrick Hill McDonald).
- †Ivan Raul Balconi, Animal Science
Guatemala, Central America
Dissertation: Studies on the Intestinal Absorption and Blood Clearance of Lactic Dehydrogenase Isoenzymes. (Under the direction of James G. Lecce).
- †Samuel Russell Bland, Applied Mathematics
Yorktown, Virginia
Dissertation: The Two-Dimensional Oscillating Airfoil in a Wind Tunnel in Subsonic Compressible Flow. (Under the direction of Ernest Edmund Burniston).
- Garnett Lowell Bradford, Economics
Cynthiana, Kentucky
Dissertation: An Economic Analysis of the Costs of Producing Flue-Cured Tobacco and Cost-Production Variable Relationships. (Under the direction of William Douglas Toussaint).
- James McLure Bradford, Jr., Mechanical Engineering
Newport News, Virginia
Dissertation: A Study of the Adhesion of Nickel. (Under the direction of Frederick Otto Smetana).

† In Absentia

- †Peter John Burfening, Animal Science
Raleigh, North Carolina
- Dissertation: Investigations into Causes of Subsequent Embryonic Death in Mammalian Ova Fertilized by Heat-Stressed Spermatozoa. (Under the direction of Lester Curtis Ulberg).
- Yi-Chang Chiu, Entomology
Chiayi, Taiwan
- Dissertation: Affinity and Phosphorylation Constants for the Inhibition of Acetylcholinesterase by Malaoxon, Acetoxon and Related Organophosphates. (Under the direction of Walter Carl Dauterman and Frank Edwin Guthrie).
- Thomas Berry Cobb, Physics
Atlanta, Georgia
- Dissertation: High Resolution Nuclear Magnetic Resonance of Polycyclic Aromatic Hydrocarbons and Aromatic Heterocyclic Compounds. (Under the direction of Jasper D. Memory).
- †Timothy Martin Cogan, Food Science
Mallow Co. Cork, Ireland
- Dissertation: Components in Tomato Juice Stimulatory and Inhibitory for Lactobacilli. (Under the direction of Marvin Luther Speck).
- Charles Alfred Davis, Applied Mathematics
Raleigh, North Carolina
- Dissertation: Boundary Value Problems for Wedges and Cones Under Heat Conduction. (Under the direction of Walter Joel Harrington).
- †Romulo Adre Del Castillo, Forestry
Pangil, Laguna, Philippines
- Dissertation: Studies on the Stem Form of Water Tupelo (*Nyssa aquatica* Linn.). (Under the direction of William LeRoy Hafley and Robert James Monroe).
- George Marvin Eargle, Applied Mathematics
Greensboro, North Carolina
- Dissertation: A Nonlinear Integro-Differential Equation Associated with a Class of Wedge Problems. (Under the direction of Walter Joel Harrington).
- †David Ernest Edmond, Crop Science
Beverly, England
- Dissertation: The Effects of Replanting and Missing Plants on the Yield, Quality, Grade Distribution and the Economics of Production of Flue-Cured Tobacco. (Under the direction of Guy Langston Jones).
- †Clyde Edsel Evans, Soil Science
Auburn, Alabama
- Dissertation: Ion Exchange Relationships of Aluminum and Calcium in Soils as Influenced by Organic Matter. (Under the direction of Eugene John Kamprath).
- Carl Warren Fatzinger, Entomology
Catskill, New York
- Dissertation: Rearing Successive Generations of *Dioryctria abietella* (D. and S.) (Lepidoptera: Phycitidae) on Artificial Media with Aspects on Nutrition of the Insect. (Under the direction of Maurice Hugh Farrier).

† In Absentia

- Edward Carlyle Franklin, Forestry
Lake City, Florida
Dissertation: Artificial Self-pollination and Natural Inbreeding in *Pinus taeda* L. (Under the direction of Bruce J. Zobel and Gene Namkoong).
- William Bryan French, II, Electrical Engineering
Flatwoods, Tennessee
Dissertation: A Study of Iron as a Recombination Center in Germanium by a Transient P-N Junction Technique. (Under the direction of Robert Walter Lade).
- Stephen DeWitt Fretwell, Biomathematics
Winchester, Virginia
Dissertation: On Territorial Behavior and Other Factors Influencing Habitat Distribution in Birds. (Under the direction of H. L. Lucas).
- †Don Woodson Goss, Soil Science
Edcouch, Texas
Dissertation: Mica Weathering as Related to Mica Species and Soil Parent Material in the North Carolina Slate Belt. (Under the direction of Maurice Gayle Cook).
- †Charles Leroy Hutchins, Electrical Engineering
Winston-Salem, North Carolina
Dissertation: Charge Transients in Aluminum-Silicon Nitride-Silicon Capacitors. (Under the direction of Robert Walter Lade).
- †Bruce Owen Johnston, Experimental Statistics
Winnipeg, Manitoba, Canada
Dissertation: Spacing of Information in the Simple Exponential Model. (Under the direction of Arnold Herbert Edward Grandage).
- †Alan Lee Jones, Plant Pathology
Lyndonville, New York
Dissertation: The Seasonal Development of Tobacco Brown Spot, Caused by *Alternaria tenuis*, in Relation to the Ontogeny of the Host. (Under the direction of Charles Joseph Nusbaum).
- Emam Mohamed Khalifa, Soil Science
Elsadein, Sharkeyah, Egypt
Dissertation: Properties of Clay Skins in a Cecil (Typic Hapludult) Soil. (Under the direction of Stanley Walter Buol).
- Dong Wha Kim, Mechanical Engineering
Seoul, Korea
Dissertation: Effect of Filament Friction on Extensional Behavior of Continuous Filament Yarns. (Under the direction of Carl Frank Zorowski).
- Johng Ryun Kim, Electrical Engineering
Seoul, Korea
Dissertation: A Scattering Approach for the Characteristics of a Dielectric Antenna of Arbitrary Shape. (Under the direction of Gerhard Karl Megla).
- †Charles Cooper King, Jr., Crop Science
Leighton, Alabama
Dissertation: Potential of Exotic Maize for Silage Production. (Under the direction of Donald Loraine Thompson).

† In Absentia

- †Bohun Baker Kinloch, Jr., Genetics
Charleston, South Carolina
- Dissertation: Genetic Variation in Susceptibility to Fusiform Rust in Loblolly Pine. (Under the direction of Bruce J. Zobel, Arthur Kelman, and Ellis B. Cowling).
- Nicholas Henry Kuehn, III, Nuclear Engineering
Chicago, Illinois
- Dissertation: A Study of Some Aspects of the Neutron Thermalization Problem. (Under the direction of Raymond LeRoy Murray).
- Sidney Edward Law, Biological and Agricultural Engineering
Pelham, North Carolina
- Dissertation: Charge Loss Phenomena Active on Liquid Droplets. (Under the direction of Henry Dittimus Bowen).
- Peter Wendell McDonald, Mechanical Engineering
Thomasville, North Carolina
- Dissertation: Theory of the Cylindrical Langmuir Probe in a Flowing Collisionless Plasma. (Under the direction of Frederick O. Smetana).
- †Samir Ali Mohamed, Botany
Tockh, Kalubia, Egypt
- Dissertation: Effect of Root Aeration at Different Salinity Levels on Cell Division in *Vicia faba* L. Roots. (Under the direction of Ralph Edward Williamson and Glenn Ray Noggle).
- †Francis Joseph Morris, Electrical Engineering
Windsor, North Carolina
- Dissertation: A Study on the Effects of the Surface Potential on the Surface Recombination Velocity at a Silicon-Silicon Oxide Interface. (Under the direction of Robert Walter Lade).
- †Sydney Walter Nelson, Genetics
Causeway, Salisbury, South Rhodesia
- Dissertation: Observed and Expected Response of Yield and Stalk Strength to Full-Sib Family Selection in a Population of Maize. (Under the direction of Robert Harry Moll).
- †Willie Ocasio-Cabanas, Physics
Mayaguez, Puerto Rico
- Dissertation: Studies of Diffusion Parameters of Heterogeneous Systems and Systems with Voids by the Pulsed Neutron Technique. (Under the direction of Arthur Walter Waltner and Wesley Osborne Doggett).
- Claud Ervin Pugh, Engineering Mechanics
Asheboro, North Carolina
- Dissertation: Couple Stresses in Electrostriction and Magnetostriction. (Under the direction of Manohar Singh).
- Mahabir Pershad Sharma, Animal Science
Narnaul, India
- Dissertation: Immunochemical Studies of Cellulases from Several Strains of *Ruminococcus flavefaciens*. (Under the direction of James Murray Leatherwood).
- †Blair Joseph Smith, Economics
Gainesville, Florida
- Dissertation: The Dairy Cow Replacement Problem and the Determination of Optimal Replacement Policies. (Under the direction of Richard Adams King).

† In Absentia

- Glenn Austin Snow, Plant Pathology
Long Beach, Mississippi
- Dissertation:** Environmental Factors Related to the Epidemiology of Fusiform Rust. (Under the direction of Ellis Brevier Cowling).
- †Larry Franklin Stikeleather, Biological and Agricultural Engineering
Stony Point, North Carolina
- Dissertation:** The Development of an Active Seat Suspension System for Off-Road Vehicles. (Under the direction of Charles Wilson Suggs).
- †David Allen Stock, Genetics
Elyria, Ohio
- Dissertation:** Photosynthesis, Respiration, and Transpiration by Susceptible and Resistant Mimosa Inoculated with *Fusarium oxysporum*. (Under the direction of Thomas O. Perry and Frank B. Armstrong).
- Akio Suzuki, Genetics
Tokyo, Japan
- Dissertation:** Variances of Genetic, Maternal, and Reciprocal Effects in Flue-Cured Varieties of *Nicotiana tabacum* L. (Under the direction of Dale Frederick Matzinger).
- †James Chien-Hua Tan, Genetics
Canton, China
- Dissertation:** Nonorientation and Precocious Disjunction of Meiotic Chromosomes in Two Diploid ($2n=24$) Solanum Species and Their F_1 Inter-specific Hybrid. (Under the direction of Frank Lloyd Haynes, Jr.).
- Fred Toney, Jr., Applied Mathematics
Raleigh, North Carolina
- Dissertation:** Involutory Matrix Representations of Reciprocal Automorphisms of Modules Over Residue Class Rings of Integers. (Under the direction of Jack Levine).
- Grover Karl Warmbrod, Applied Mathematics
Raleigh, North Carolina
- Dissertation:** The Distributional Finite Fourier Transform. (Under the direction of Raimond Aldrich Struble).
- Jerry Lee West, Zoology
Boone, North Carolina
- Dissertation:** The growth and Reproduction of Three Intergeneric Centrarchid Hybrids. (Under the direction of Francis Eugene Hester).
- †Thomas Ernest Wooten, Wood Technology
Hamlet, North Carolina
- Dissertation:** The Effects of Indole-acetic Acid and Gibberellic Acid on Some Wood Properties of Sweetgum (*Liquidambar styraciflua* L.) and Loblolly Pine (*Pinus taeda* L.) Seedlings. (Under the direction of Aldos Cortez Barefoot, Jr.).
- †Walter Riley Wright, Animal Science
Hendersonville, North Carolina
- Dissertation:** Metabolic Interrelationship between Vanadium and Chromium. (Under the direction of Charles Horace Hill).

† In Absentia

DEGREES CONFERRED

July 14, 1967

August 24, 1967

January 19, 1968

School of Agriculture and Life Sciences



BACHELOR OF SCIENCE IN BIOLOGICAL AND AGRICULTURAL ENGINEERING

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

Gurnie Robert Lee, Jr. (January, 1968) Fremont

BACHELOR OF SCIENCE

Agricultural Economics

Frederick Thayer Coltrain (January, 1968) Oak City
Larry Martin Land (January, 1968) Dallas
Samuel Thomas Madren (July, 1967) Winston-Salem

Agronomy

David Andrew Boyd, Jr. (July, 1967) Waynesville
Bernie Rowland Edwards (January, 1968) Franklinton
William Robert Haddock (January, 1968) Greenville
Marion Franklin Howell (January, 1968) Wilson
Alexander Columbus Yarborough, III (January, 1968) Smithfield

Animal Science *

Raymond Owen Elliott (August, 1967) Oxford
Ronald Mitchell Ivie (January, 1968) Shelby
Charles Isaac Miller, Jr. (August, 1967) Yadkinville

**Leonard Eugene Morton (July, 1967)	Norwood
Fred Thomas Pugh, Jr. (August, 1967)	High Point
Daniel William Rudy, Jr. (January, 1968)	Raleigh

Biological and Agricultural Engineering

Myron Eric Furbee (July, 1967)	Plymouth
Neill Angus Morrison, III (July, 1967)	Garner
Wade Eugene Strikeleather (January, 1968)	Stony Point
Alexander Columbus Yarborough, III (January, 1968)	Smithfield

Biological Sciences

#**Georgianne Stengele Hoegerman (January, 1968)	Brooklyn, N. Y.
Edward Allen James (July, 1967)	Rocky Point
Charles Smallwood, III (January, 1968)	Raleigh
Janice Jean Varon (January, 1968)	Raleigh

Botany

James Frazier Dawson (January, 1968)	Kinston
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Food Science

Millard Eugene Russell (January, 1968)	Albemarle
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Horticultural Science

Peng Leong Ang (August, 1967)	Raleigh
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Plant Protection

William Earl Bailey (July, 1967)	Clinton
James Sherwood Cheatham (August, 1967)	Oxford

Poultry Science

William Columbus Burleson (July, 1967)	Albemarle
Clyde Sherrill Honeycutt (July, 1967)	Albemarle
Rodney Lynn Hutchens (January, 1968)	High Point
Hollis Ray Roberson (July, 1967)	Candler

Rural Sociology

Emery Francis Frekko (August, 1967)	Sanford
-------------------------------------	---------

Soil Science

*Thomas Dewey Hussey (August, 1967)	Robbins
Floyd Lee Peed (July, 1967)	Aurora
Keat Leong Tan (January, 1968)	Penang, Malaysia

* Honors ** High Honors # Honors Program

Zoology

Thomas Marvin Austin (January, 1968)	Lenoir
Daniel Holton Benfield (July, 1967)	High Point
Jerry Dale Bergeron (January, 1968)	Huntsville, Ala.
David Winstead Bradshaw (January, 1968)	Franklin, Va.
Carl Franklin Carpenter (January, 1968)	Rome, N. Y.
Freddie Kay Carr (August, 1967)	Clinton
Michael Bruce Covington (January, 1968)	Raleigh
Walter Nesbit Fleming (August, 1967)	Coats
* Barbara Jane Gaines (January, 1968)	Winston-Salem
** Jerry Lee Hardison (January, 1968)	Plymouth
Grover Cleveland Hill, Jr. (January, 1968)	Beulaville
* Harry Lee Jones (January, 1968)	Charlotte
Philip Jackson Lazenby (August, 1967)	Charlotte
* Jesse Gabriel Lee (July, 1967)	Four Oaks
Richard Stanley Linko (July, 1967)	New Bern
Irvin St. John Lucas (January, 1968)	Raleigh
Terrianna McMurry Myren (January, 1968)	Winston-Salem
Nancy Elizabeth Rose (January, 1968)	Fayetteville
Mary Elizabeth Scott (August, 1967)	Raleigh
Robert Edwin Smale (July, 1967)	Falls Church, Va.
John Joseph Weber (July, 1967)	Middleport, N. Y.

School of Education



BACHELOR OF SCIENCE IN EDUCATION

Agricultural Education

Chivous Omar Bradley (July, 1967)	Rutherfordton
Racford Daughttry (January, 1968)	Newton Grove
John William Dunham (January, 1968)	White Oak
Alton Phil Grady (January, 1968)	Micro
Anthony Eugene McLamb (January, 1968)	Benson
Don Larry McLamb (January, 1968)	Dunn
Zennie James Quinn, Jr. (January, 1968)	Seven Springs
Curtis Ray Rains (January, 1968)	Princeton

* Honors ** High Honors

Industrial Arts Education

James Caldwell (January, 1968)	Suffern, N. Y.
Hoyt Randolph Davenport, Jr. (July, 1967)	Creswell
Vance Edward Fisher, Jr. (July, 1967)	Durham
Robert Dudley Mason (January, 1968)	Raleigh
John Edward Matthews (January, 1968)	Sanford
Dang Thi Tuvet (January, 1968)	Saigon, Viet Nam

Mathematics Education

James Randell Allred (January, 1968)	Sanford
Bruce Huntley Barick (July, 1967)	Raleigh
John Cary Bolt, III (January, 1968)	Raleigh
Paul Lester Bumgarner (January, 1968)	Roaring River
*Sarah Anne Newbern Griffin (January, 1968)	Powell's Point
Mildred Lynette Harwell (July, 1967)	Georgetown, S. C.
*Sister Mary Hugh Mauldin (January, 1968)	Belmont
Joseph Addison May (January, 1968)	Burkeville, Va.
Jane Morris Rulnick (January, 1968)	Fayetteville
Michael Ray Sterling (August, 1967)	Raleigh
Donnie Sylvester Weaver (January, 1968)	Rocky Mount
Malcolm Blair White (January, 1968)	So. Yarmouth, Mass.

Science Education

George Clifford Baxter, Jr. (January, 1968)	Amityville, N. Y.
Ernal Willard Foster, Jr. (January, 1968)	Hatteras
LeRoy Corbett Hand, III (January, 1968)	Gatesville

Vocational Industrial Education

Leonard Henderson Cannady (January, 1968)	Franklinton
Robert Wayne Herndon (August, 1967)	Apex
Ernest Thaddeus Jefferson (January, 1968)	Belhaven
Nancy Elizabeth King (August, 1967)	Raleigh

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

David Grady Fussell, Jr. (January, 1968)	Belhaven
James Parrott Gardner (January, 1968)	Kinston
James Michael Harvell (January, 1968)	Troy
Leonard Lloyd Hendricks (January, 1968)	Cary
Donald Franklin Mowery (July, 1967)	Salisbury
Gary Wayne Norwood (July, 1967)	Mount Holly
Robert Kingsley Pentz, Jr. (August, 1967)	Atlanta, Ga.
*Edwin Bayard Pleasants (January, 1968)	Raleigh
William David Poindexter, Jr. (January, 1968)	Roanoke Rapids
David James Stockley (January, 1968)	Virginia Beach, Va.
Terry Allen Yoder (January, 1968)	Lincolnton

* Honors

School of Engineering



BACHELOR OF SCIENCE IN AEROSPACE ENGINEERING

Charles William Arvey (August, 1967)	Laurel, Del.
Richard Samuel Brown (July, 1967)	Carthage
Clayton Harley Thompson (July, 1967)	North Wilkesboro

BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

*Robert Andrew Lawhon (August, 1967)	Carthage
Richard Lacy Matthis, Jr. (July, 1967)	Kinston
Larry Evan Shermer (January, 1968)	Yadkinville

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Glenwood Thomas Duncan (August, 1967)	Roxboro
Harold Hardinge, IV (August, 1967)	Charlotte Court House, Va.
Ralph Julian Hill, Jr. (July, 1967)	McLean, Va.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Robert John Bracken (July, 1967)	Sanford
John William Copeland, III (August, 1967)	Rockingham
David Miller Crenshaw, Jr. (January, 1968)	Raleigh
Cameron Reed Daniels (July, 1967)	Colerain
Ronald Elton Davenport (July, 1967)	Trenton
Carl Keith Dickinson (January, 1968)	Spring Lake
Harris Baker Gupton (July, 1967)	Louisburg
Hilton Springer Johnson (January, 1968)	Aurora
Donald Smathers Miller, III (January, 1968)	Hickory
Preston Smith Miller (August, 1967)	Statesville
Charles Larry Roberts (August, 1967)	Rutherfordton
Evangelos Theodoropoulos (January, 1968)	Athens, Greece
William Jerry Twiggs (July, 1967)	Raleigh
James Guy Wilson (August, 1967)	Garner
Jimmy Dale Woodie (January, 1968)	Laurel Springs

BACHELOR OF SCIENCE IN CIVIL ENGINEERING, CONSTRUCTION OPTION

John Thompson Haas (July, 1967)	Hudson
Donald Elwood Holloman (July, 1967)	Harrellsville
George Alexander Riedel (January, 1968)	Philadelphia, Penna.

* Honors

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Phillip Rooks Arthur (January, 1968)	Jacksonville
Richard Harris Cherry (January, 1968)	Williamston
Alfred Gregson Chiswell, Jr. (July, 1967)	Southern Pines
* Charles Cunningham, Jr. (August, 1967)	Durham
Shi-Pei Chu (January, 1968)	Hsin-Tien, Taipei
Alvin Ray Connelly (January, 1968)	Guilford County
Wade Anderson Davis (July, 1967)	Winston-Salem
Avijit De (January, 1968)	Calcutta, India
Robert Sullins Drew (January, 1968)	Greensboro
Timothy Irvin Edwards (July, 1967)	Raleigh
John Patterson Funderburke (January, 1968)	Charlotte
William Ralph Gongaware (August, 1967)	Miami, Fla.
Gary Alan Hall (August, 1967)	Dahlgren, Va.
* Ronald Dean Harris (August, 1967)	Boiling Springs
James Alfred Heaney (January, 1968)	Jacksonville, Fla.
* John Hiram Johnson, Jr. (January, 1968)	East Bend
Edward Russell Johnston, Jr. (August, 1967)	Belhaven
Joseph Allen Killough (January, 1968)	Indian Trail
Gary Stafford McCachren (January, 1968)	Harrisburg
John Edward McNeill (January, 1968)	Chapel Hill
Cesar Augusto Maso (August, 1967)	Santurce, Puerto Rico
James William Meeks (January, 1968)	Memphis, Tenn.
Hubert Edward Nelson, Jr. (July, 1967)	Greensboro
Roy Patrick Nelson, Jr. (July, 1967)	Bryson City
Thomas Leighton Ogburn, Jr. (January, 1968)	Greensboro
Dewey Benton Overman, II (January, 1968)	Wilson
Robert Louis Owens (January, 1968)	Greensboro
Ronald McGehee Page (August, 1967)	Ruffin
John David Paul (July, 1967)	Belhaven
Julius Grey Pelt (July, 1967)	Goldsbury
Donald Rayford Poteat (August, 1967)	Salisbury
Kenneth Roger Rader (January, 1968)	Newton
Donald Steven Rogers (January, 1968)	Salisbury
Walter Edward Samuels (January, 1968)	Winston-Salem
Ronald Francis Sinee (August, 1967)	New Cumberland, Penna.
Marson Wayne Sykes (January, 1968)	Weldon
Theodore Edward Taylor (January, 1968)	Forest Heights, Md.
Kermit Adrian Thompson, Jr. (January, 1968)	La Grange
Harold Wayne Tuttle (August, 1967)	High Point
William Jason Vaughan, III (July, 1967)	Roanoke Rapids
Thomas Vann Willard (January, 1968)	Raleigh
Crawford Edgar Williams (January, 1968)	Raleigh

BACHELOR OF SCIENCE IN ENGINEERING OPERATIONS

Claude Davis Allen (January, 1968)	Greensboro
Robert King Baeder (January, 1968)	Cedar Grove, N. J.
Robert Herman Ball (January, 1968)	Mount Airy
James Vernon Bellflower (August, 1967)	Robersonville
Michael Humphrey Bernard (January, 1968)	Greens Farms, Conn.

* Honors

Dale Linwood Brown, Jr. (July, 1967)	Raleigh
Howard Patrick Brown (August, 1967)	Washington
Carlton Ray Broome (January, 1968)	Mount Holly
Robert MacDonald Bryson (August, 1967)	Sylva
Phillip Campbell Chapman (July, 1967)	Charlotte
James Allen Coleman (January, 1968)	Wilmington
John Vincent DeMaso (January, 1968)	Staunton, Va.
Samuel Jervey DuPre, III (August, 1967)	Spartanburg, S. C.
Gorden Francis Duckett (January, 1968)	Asheville
Henry Nelson Furman (January, 1968)	Charlotte
Thomas Richard Gerrity (January, 1968)	Goldsboro
Robert Joseph Girard, Jr. (January, 1968)	Charlotte
Ronald Steel Goodman (January, 1968)	Charlotte
Edwin Eugene Harris (August, 1967)	Shelby
Gabriel Jaime Hcnao (January, 1968)	Cali-Colombia, South America
John Robert Icard (January, 1968)	Rutherford College
Fred Dennis Johnson (January, 1968)	High Point
John Albert Johnston, Jr. (July, 1967)	Burlington
James Ralph Kirkman, Jr. (January, 1968)	Charlotte
*James McGee Lackey, Jr. (January, 1968)	Hickory
Thomas Pinckney Lauppe (January, 1968)	Charlotte
George Michael Lederman (January, 1968)	Virginia Beach, Va.
Aldo Leon Livera, Jr. (January, 1968)	Madison, N. J.
Lawrence Reginald McDonald (January, 1968)	Aberdeen
James Ronald McKeithan (July, 1967)	Greensboro
Marvin Ray Martin (January, 1968)	Salisbury
Robert Stephen Morrow (January, 1968)	Goldsboro
John Christopher Queen (January, 1968)	Shelby
Albert Truett Ray (January, 1968)	Durham
Edward Reeves Short (July, 1967)	Mount Airy
Thomas Stanley Smith (January, 1968)	Hamlet
Jerry Wayne Stallings (July, 1967)	Gibsonville
William Heath Starnes (January, 1968)	Waxhaw
Clyde Allen Styron (January, 1968)	Hobucken
Victor Wayne Whitted (January, 1968)	Graham
Kent Boyd Williams (January, 1968)	Raleigh

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

Marshall Neil Bordeaux (January, 1968)	Ingold
Edward Maxwell Christenbury (January, 1968)	Harrisburg
Roger Glenn Daniels (January, 1968)	Oak City
Stephen Ellis Hunt (July, 1967)	Rocky Mount
Richard Esten Meador (January, 1968)	Greensboro
Geoffrey Gordon Smith (January, 1968)	Great Notch, N. J.
Eddie Arnold Williams (August, 1967)	Morgantown

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Victor Owen Gordle (January, 1968)	Cary
Clifford Darrell Crowder (August, 1967)	Gastonia

* Honors

Joseph Anthony Glenn (August, 1967)	Prospect, Va.
Ralph Sidney Prestwood, Jr. (January, 1968)	Lenoir
Tony Andrew Propst (January, 1968)	Cherryville

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Larry Thomas Edwards (January, 1968)	Fayetteville
Ronald Wesley Hargett (July, 1967)	Winston-Salem
*Rondall Stafford Presson (August, 1967)	Monroe
Philip Edward Taylor (January, 1968)	Akron, Ohio

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

*James Wilson Bowling (July, 1967)	Kinston
Jerry Mac Bradley (January, 1968)	Fuquay-Varina
*John Tilden Brittain (January, 1968)	Hickory
Richard Erven Cahoon (January, 1968)	Norfolk, Va.
*George William Crane, III (July, 1967)	Durham
Virgil Wayne Davis (January, 1968)	Norfolk, Va.
James Christopher Edmondson (July, 1967)	Bethel
Ronald Charles Edwards (August, 1967)	Sparta
Kenneth William Griffith (July, 1967)	Reidsville
Kauang Shen Huang (July, 1967)	Taiwan, China
Larry Lester Lang (January, 1968)	Gastonia
Mohammad Mazhar (January, 1968)	Karachi, Pakistan
Jerry Houck Mikeal (July, 1967)	Charlotte
Robert Michael Plasky (January, 1968)	Taylors, S. C.
George Basil Sarafidis (August, 1967)	Athens, Greece
Chirakitti Tangkathach (July, 1967)	Bangkok, Thailand

BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

Arthur Erikson Capstaff, Jr. (July, 1967)	Newport News, Va.
Hal Quay Coggins (July, 1967)	Raleigh
Larry Randall Edwards (January, 1968)	Salisbury
Harvey Dean Freeman (January, 1968)	Kannapolis
Victor Leamon Lowery (January, 1968)	Marshville
Raymond Leith Martin, Jr. (August, 1967)	Durham
Robert Shaw Moore (August, 1967)	Wendell
Robert Isham Parnell, Jr. (August, 1967)	Lumberton
Thomas Dixon Pender (July, 1967)	Mebane
William Glenn Rains (January, 1968)	Kenly

BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

Donald Rex Gardner (July, 1967)	Smithfield
Jesse Bascom Marr, Jr. (January, 1968)	Thomasville
Ernest Cameron Seely, Jr. (August, 1967)	Charlotte

* Honors

School of Forest Resources



BACHELOR OF SCIENCE IN FORESTRY

Herbert Wayne Crase (August, 1967)	Whitesburg, Ky.
Frank Cleveland Dorman, III (August, 1967)	McMinnville, Tenn.
Larry Hilliard Harris (January, 1968)	Fayetteville
William Daniel McGill, II (August, 1967)	Lakeview
Lino Machado (January, 1968)	Puerto Cabezas, Nicaragua
Salah Rouchiche (July, 1967)	Algiers, Algeria
Robert Craig Schowalter (January, 1968)	Jackson, Miss.
*Wallace John Smith (August, 1967)	Brisbane, Australia
Raymond Douglas Warner (July, 1967)	North Falmouth, Mass.
Richard Dennis Weigel (January, 1968)	Rochester, N. Y.
Larry Lester Williams (January, 1968)	Hendersonville

BACHELOR OF SCIENCE IN PULP AND PAPER TECHNOLOGY

Khaja Na'imuddin (July, 1967)	Hyderabad, India
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BACHELOR OF SCIENCE IN RECREATION AND PARK ADMINISTRATION

Richard Andrew Aldridge (January, 1968)	Concord
Donald Graham Broadwell (August, 1967)	Lillington
Ralph Lee Cannon, Jr. (August, 1967)	Winston-Salem
William Ray Carr, Jr. (January, 1968)	Goldsboro
Ronnie Hoyt Denton (January, 1968)	Zebulon
Jerry Lee Devine (January, 1968)	Shelby
Donald Devoe Donaldson (January, 1968)	Saxton, Penna.
Johnny Edward Ellen (August, 1967)	Raleigh
James Mason Donnan, III (January, 1968)	Burlington
Mervin Wilmer Gutshall, Jr. (January, 1968)	Elkins, W. Va.
Robert Paul Hudson (January, 1968)	Reidsville
*Lynne Davis Jones (January, 1968)	Raleigh
Donald Clayton Loomis (January, 1968)	Balboa, Calif.
Harry Richard Martell (January, 1968)	Penns Grove, N. J.
Harry Graham Petrey (January, 1968)	Gastonia
*James Winans Pfefferkorn (August, 1967)	Winston-Salem
Joe Richard Reed (January, 1968)	Efland
Kaaren Ann Schmidt (January, 1968)	Gastonia
*Lawrence Christian Schmidt (January, 1968)	New Providence, N. J.
Lloyd Christian Spangler (January, 1968)	Richmond, Va.
Stephen Harold Stewart (January, 1968)	Linville

* Honors

Victory Ann Strickland (January, 1968)	Alexandria, Va.
Robert Stuart Taylor (January, 1968)	Raleigh
Ronald Lee Wirth (January, 1968)	North East, Md.

BACHELOR OF SCIENCE IN WOOD TECHNOLOGY

Philip Arthur Araman (January, 1968)	Newburgh, N. Y.
Clyde Oscar Belangia, Jr. (January, 1968)	New Bern
Thomas Sanford Helms, Jr. (January, 1968)	Mahwah, N. J.
Sterling Beverley Hilliard, Jr. (January, 1968)	Weldon

School of Liberal Arts



BACHELOR OF ARTS

George Washington Allen, Jr. (August, 1967)	New Bern
John Carl Allen, Jr. (July, 1967)	Benson
Robert Parks Alexander (January, 1968)	Durham
Claude Russell Alley (August, 1967)	Marion
Sherrill Lee Atkins (August, 1967)	Saluda
Paul Joseph Baragona (August, 1967)	Winston-Salem
*Barney Martin Barco (January, 1968)	Fayetteville
Richard Bailey Bell (August, 1967)	Charlotte
Robert Askew Boone (July, 1967)	Gates
Raymond Charles Buday, Jr. (July, 1967)	Elizabeth City
Ronald Curtis Cain (July, 1967)	Elizabethtown
Robert Millard Carmany (January, 1968)	Euclid, Ohio
Gene Maynard Carver (January, 1968)	Roxboro
Willis Robert Caudle, II (July, 1967)	Halifax
*Mona Lee Cozart Chappell (August, 1967)	Knightdale
Patricia Thorpe Coggins (August, 1967)	Raleigh
John Allison Doerr (January, 1968)	Raleigh
Leete Raymond Doty (January, 1968)	Fairfield, Conn.
Frank Douglas Draffin, Jr. (January, 1968)	Raleigh
Randolph William Ellis (January, 1968)	Ft. Leavenworth, Kan.
Lottie Parrish Flowers (January, 1968)	Raleigh
John Edwin Foil, Jr. (July, 1967)	Raleigh
Robert Sterling Gingham (July, 1967)	Greensboro
Eldon Lewis Hoffman (July, 1967)	Raleigh
Thomas Leroy Hood, III (January, 1968)	Dover

* Honors ** High Honors

Anthony Ogburn Honeycutt (January, 1968)	Raleigh
••Patricia Anne Johnson (January, 1968)	Hendersonville
•Judson Lanier (January, 1968)	Sitka, Alaska
Thomas Bernard Leary, Jr. (January, 1968)	Morehead City
David Thomas McCutcheon (August, 1967)	Newburgh, N. Y.
•Ann Kaufman Mandelbaum (August, 1967)	Raleigh
Philip Crawford Martin (January, 1968)	Raleigh
Judson James Milam, III (January, 1968)	Columbia, S. C.
Linda Marie Mitchell (July, 1967)	Portsmouth, Va.
Judith Fitzjohn Murdoch (July, 1967)	Charlotte
Lewis Graham Murray, II (July, 1967)	Raleigh
Michael Vernon Neese (August, 1967)	Greensboro
Edward Louis Pauley (August, 1967)	Charlotte
Edwin Lee Plowman (August, 1967)	Winston-Salem
David Allen Poole (July, 1967)	Raleigh
Charles Wesley Proctor (August, 1967)	Greensboro
William Raymond Ruchrwein, Jr. (January, 1968)	Guam
•Patricia Louise Salas (January, 1968)	Hopewell, Va.
•Virginia Wade Shearin (August, 1967)	Clayton
James Daniel Shearon (January, 1968)	Raleigh
Patrick Craig Simpson (January, 1968)	Raleigh
•Joyce Jones Smith (January, 1968)	Raleigh
Robert Sherrill Stephenson (January, 1968)	Clayton
James Edward Strawbridge (August, 1967)	Durham
Curtis Carlyle Tillotson, Jr. (July, 1967)	Oxford
•Mary Van Lear Van Kirk (August, 1967)	Raleigh
Helyn Lynn Watson (January, 1968)	Raleigh
William Leon Webb, Jr. (January, 1968)	High Point
Russell Vernon Whitley (January, 1968)	Durham
••Jane Woodlief Wilder (August, 1967)	Franklinton

BACHELOR OF SCIENCE

James Ronald Christie (January, 1968)	Raleigh
William Michael McNeill (January, 1968)	Raleigh
Robert Hewitt Merritt (August, 1967)	Burlington
Edmund Elmer Ruhland, Jr. (August, 1967)	Wilmington

School of Physical Sciences and Applied Mathematics



BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

John William Bass (July, 1967)	Durham
Robert Mac Brunk (July, 1967)	Charlotte

• Honors •• High Honors

Myron Luther Cauble, Jr. (July, 1967)	Kannapolis
Edgar Rene Chavez (July, 1967)	Raleigh
Warren Peter George Freas, III (January, 1968)	Raleigh
Bonnie Loyce Garrett, Jr. (January, 1968)	Atlanta, Ga.
•William Francis King (January, 1968)	Wilmington
Thomas Webb Langford, Jr. (July, 1967)	Thomasville
Kenton Robert Larson (August, 1967)	Asheville
Anthony John Mark (January, 1968)	Charleston, S. C.
Fred Whitaker Newton, Jr. (January, 1968)	Raleigh
•Iris Ann Friel Patrick (August, 1967)	Moyock
Edmund John Piaski, Jr. (August, 1967)	Kinston
Anthony Adam Schlegel (August, 1967)	Gary
•Lynn Beecher Spees (August, 1967)	Greenville, Tenn.
Maurice Ferrell Stanley (July, 1967)	Clyde
Walter Douglas Starr, Jr. (January, 1968)	Creswell
Ivey Miller Warren, Jr. (January, 1968)	Plymouth
••Rebecca Ann Wilson (January, 1968)	Raleigh

BACHELOR OF SCIENCE IN CHEMISTRY

Charles Ronald Williams (August, 1967)	Kannapolis
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BACHELOR OF SCIENCE IN PHYSICS

David Anthony Bass (August, 1967)	Fayetteville
William Frank Holden (August, 1967)	Charleston, S. C.

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

Herman Edgerton Allen (August, 1967)	Rocky Mount
Charles Harrison Bohrer (January, 1968)	Statesville
Horace Higgins, Jr. (January, 1968)	Burnsville
Lakshminarasimhan Krishnaswamy (January, 1968)	Bombay, India
Howard Charles Malpass, Jr. (August, 1967)	Jamestown
Youssef Loutfy Mansour (January, 1968)	Alexandria, Egypt
Charles Browning Moore (January, 1968)	Littleton
Robert Francis Palmer, III (January, 1968)	Spencer
William David Reeves (January, 1968)	Leicester

• Honors •• High Honors

Joseph Raymond Salem, Jr. (January, 1968)	Raleigh
William Edwin Sexton (January, 1968)	Cooleemec

BACHELOR OF SCIENCE IN TEXTILE TECHNOLOGY

Joseph Louis Ariagno (July, 1967)	Welland, Ontario, Canada
Guy Philip Barnes (January, 1968)	Welcome
John Carlton Baucom, Jr. (July, 1967)	Cary
Mitchel Wayne Baucom (August, 1967)	Kannapolis
Charlie Sylvester Benton (July, 1967)	Concord
Robert Maurice Cannon (January, 1968)	Long Island, N. Y.
Kenneth Wayne Cochran (January, 1968)	Forest City
John Robert Dunivant (August, 1967)	Leaksville
Robert Perry Elmore (January, 1968)	Belmont
Jeff Ingram Fitch (July, 1967)	Burlington
Charles Douglas Frick (August, 1967)	Salisbury
George Roderick Gemayel (January, 1968)	Spencer
Horace Higgins, Jr. (January, 1968)	Burnsville
Raymond Jackson Hoots, Jr. (July, 1967)	Winston-Salem
Jerry Dallas James (January, 1968)	Winston-Salem
Charles Alonzo Jones (August, 1967)	Apex
David Khalifa (August, 1967)	Jerusalem, Israel
*Riaz Ahmad Khan (January, 1968)	Sahiwal, Pakistan
Jean-Guy LeDuc (July, 1967)	Verdun, Quebec, Canada
John Glendon Morgan (July, 1967)	Mount Holly
Wilbur Larry Ownley (August, 1967)	Elizabeth City
Allen Brown Parker (January, 1968)	Mount Ulla
Ralph Alexander Petrone (January, 1968)	Rensselaer, N. Y.
Leon Alton Pittman, Jr. (July, 1967)	Kinston
Fred Thomas Potts (January, 1968)	Thomasville
Raja Abdul Rashid (July, 1967)	Rawalpindi, W. Pakistan
Terry Wadsworth Ridenhour (January, 1968)	Kannapolis
Chaim Shwetz (August, 1967)	Bnei-Braq, Israel
William Ashley Smith (January, 1968)	Kinston
Danny Stuart Swaim (January, 1968)	Elkin
Jesse Gray Thomas (January, 1968)	Bethel
Gaston Verreault (August, 1967)	Granby, Quebec, Canada
Stanford Chester West, Jr. (August, 1967)	Raleigh
Michael Joseph White (January, 1968)	St. Albans, W. Va.
James Randolph Woodlief (August, 1967)	Durham
John Ross Yoder, Jr. (January, 1968)	Lincolnton

Professional Degrees



Civil Engineer, Structural Option

Suraphol Assakul (July, 1967)	Bangkok, Thailand
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** High Honors

Civil Engineer, Transportation Option

Robert Lawson Anderson (January, 1968) North Wilkesboro
James Richard Atkins (January, 1968) Kernersville

Industrial Engineer

Kenneth Franklin Roberts (August, 1967) Knoxville, Tenn.
Madhukar Badarayan Sangoram (January, 1968) Bombay, India

Mechanical Engineer

Vikram N. Shah (August, 1967) Bombay, India

Masters Degrees



MASTER OF AGRICULTURE

William Gordon Bacon (January, 1968) Somerset, Ky.
Francisco Ramon Ferrer (January, 1968) Lima, Peru
Roy Franklin Heltzel (July, 1967) Culpeper, Va.
Harold Leon Lile (August, 1967) Jackson, Tenn.

MASTER OF APPLIED MATHEMATICS

Joby Milo Anthony (January, 1968) Orlando, Fla.
Sarkis K. Garibian (August, 1967) Cary
Christopher Robert Kopf (January, 1968) Sacramento, Calif
Frederick Willard Nagle (August, 1967) Norfolk, Va.
Stephen Kent Park (August, 1967) Martinsburg, Penna.
Edward Keith Tester (January, 1968) Blowing Rock

MASTER OF ECONOMICS

Muhammad Akhtar (August, 1967) Gujranwala, Pakistan
Everett Pleasant Chesley (August, 1967) Raleigh
James Clarence Crew (January, 1968) Raleigh
Herman Frederick Gallasch, Jr. (August, 1967) Richmond, Va.
William Harrington Keel, II (January, 1968) Raleigh
Jerry Lawrence Mangum (January, 1968) Raleigh
Anibal Gomez Monares (August, 1967) Osorno, Chile
Wilhelmus Liberte Nieuwoudt (July, 1967) Pretoria, South Africa
Robert Lee Self, III (January, 1968) Burlington

Alton Skinner, III (January, 1968)	Durham
Michael Wayland Smith (January, 1968)	Raleigh
Thomas Eugene Taylor (January, 1968)	Deep Run

MASTER OF EDUCATION

Adult Education

Eccles Lee Leak (August, 1967)	Roxboro
Albert Reynolds Lounsbury (January, 1968)	Saratoga Springs, N. Y.
Anne Johnson Postell (January, 1968)	Waycross, Ga.
George Broughton Spence, Jr. (January, 1968)	Lillington

Agricultural Education

Curtis Tapp Shivar (January, 1968)	Seven Springs
Henry Alvin Pasour (January, 1968)	Dallas
George Donald O'Quinn (January, 1968)	Mamers

Guidance and Personnel Services

Eula Elizabeth Peterson Alexander (January, 1968)	Raleigh
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Industrial Arts Education

Joseph Hugh Nanney (August, 1967)	Hendersonville
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Mathematics Education

Wayne Wesley Thomas (August, 1967)	Apex
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Occupational Information and Guidance

Gary Kent Hale (August, 1967)	Jeffersonville, Ind.
Sam Pierce Harrell, Jr. (July, 1967)	Wadesboro

Vocational Industrial Education

Robert Jenkins Graham (July, 1967)	Haw River
Vincent Cowgill Outland (August, 1967)	Raleigh
Julian Cooper Wingfield, Jr. (July, 1967)	Durham

MASTER OF ELECTRICAL ENGINEERING

Joe Houston Duncan (January, 1968)	Franklin, Tenn.
Joseph Patrick Halloran, Jr. (January, 1968)	St. Marys, Penna.
Dale Fidel Hicks (August, 1967)	San Antonio, Texas
Chung-Wen Liu (January, 1968)	Taichung, Taiwan
James William McGowan (July, 1967)	Birmingham, Ala.
Henry Ervin Poe (January, 1968)	Thomasville
John Luther Prince, III (January, 1968)	Dallas, Texas
Jay Keitt Sawyer (January, 1968)	Vanceboro
David Michael Smith (January, 1968)	Concord

Robert Frederick Steen (August, 1967)	Meadville, Penna.
Hugh Carlyle Willard (January, 1968)	Washington

MASTER OF EXPERIMENTAL STATISTICS

Carlyle Andrew Clayton (January, 1968)	Raleigh
Albert Dionne (January, 1968)	Quebec, Canada
Carl Leroy Dyer (January, 1968)	Princeton, Ill.
Burt S. Holland (January, 1968)	Flushing, N. Y.
Gilberto Paz-B (January, 1968)	Loreto, Paraguay
George Ankutse Paku (January, 1968)	Kpandu, Ghana
Jean-Marc Picard (January, 1968)	Montreal, Canada
Lawrence Henry Pope (January, 1968)	Woodbridge, Va.
Gary Merrill Shapiro (January, 1968)	Huntington Woods, Mich.
Michael Walter Sherrill (January, 1968)	Troutman
Sidney Stanley Young (January, 1968)	Raleigh
Sami Abdulla Zarka (August, 1967)	Amman, Jordan

MASTER OF MECHANICAL ENGINEERING

Dilip Shantilal Palkhiwala (January, 1968)	Ahmedarad, India
Clarence Eugene Roberson, Jr. (January, 1968)	Ahoskie
Riaz Ahmed Siddiqui (January, 1968)	Hyderabad, India

MASTER OF TEXTILE TECHNOLOGY

James Blythe Brown (August, 1967)	Goldsboro
Stephen Woodrow Foss (July, 1967)	Haverhill, Mass.
Mojtaba Mostashari (January, 1968)	Iran
Farouk Mohamed Youssef (January, 1968)	Cairo, Egypt

MASTER OF ARTS

Economics

William Vernon Pace (August, 1967)	Florence, Ala.
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MASTER OF SCIENCE

Adult Education

Donald Carroll Parker (August, 1967)	Brevard
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Agricultural Economics

Jose Enrique Fernandez (August, 1967)	Lima, Peru
David Richard Hayes (January, 1968)	Argyll, Scotland
Madjid Koopahi (January, 1968)	Tabriz, Azarbaydjan
Richard Douglas Robbins (January, 1968)	Ahoskie

Agricultural Education

Lewis Conrad Forrest, Jr. (July, 1967)	Newport
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Animal Ecology

- Jerry Lawrence Holloman (July, 1967) Jackson
Paul Wesley Sykes, Jr. (July, 1967) Norfolk, Va.

Animal Science

- John Ernest Albrecht, III (January, 1968) Cheltenham, Penna.
Julian Alberto Buitrago A. (January, 1968) Calarca, Colombia, S.A.
Douglas Wilson Eason (January, 1968) Jackson
Frank Ripley Fenton (January, 1968) Williamstown, W. Va.
George Lynn Hargrove (January, 1968) Pulaski, Iowa
Ling-Jung Koong (January, 1968) Taipei, Taiwan
Ernesto Huertas Vega (January, 1968) Bogota, Colombia, S.A.
William Ellis Vinson (January, 1968) Charlotte

Biological and Agricultural Engineering

- Thomas Lynn Honeycutt (January, 1968) High Point
Eugene Wallace Rochester, Jr. (January, 1968) Greenville, S. C.
Chung-Jin Shaw (January, 1968) Taipei, Taiwan
Chao-Shan Su (August, 1967) Raleigh

Botany

- Dora Cynthia Glazier (January, 1968) Wytheville, Va.
Raswati Soetiarso (January, 1968) Djakarta, Indonesia
William Edward Spooner (August, 1968) Wilmington

Ceramic Engineering

- David Ray Johnson (January, 1968) Fayetteville
William Henry Mason, Jr. (August, 1967) Westborough, Mass.
David Emmett Witter (August, 1967) Raleigh

Chemistry

- George Shuford Abernethy, Jr. (August, 1967) Hickory

Civil Engineering

- James Ashley Aberson, Jr. (January, 1968) Charlotte
John Rodman Andrew (January, 1968) Washington
Bryant Terry Brothers (August, 1967) Elizabeth City
William John Cameron (January, 1968) Raleigh
Ching Feng Chen (January, 1968) Kaohsiung, Taiwan
Albert Sidney Daughtridge, Jr. (January, 1968) Scotland Neck
James Fuel Fulton, III (August, 1967) Greensboro
Hota Venkata Surya Gangarao (January, 1968) Raleigh
Robert Sarratt Gidney, Jr. (August, 1967) Shelby
Rudy Lee Griffin (August, 1967) Durham
Karl Robert Leimbach (August, 1967) Hamburg, Germany
Roger Dale Lewis (August, 1967) Decatur, Ga.
Owen McNulty (January, 1968) Fayetteville

Hossein Mahban (January, 1968) Tehran, Iran
Walter Warren Miller, Jr. (August, 1967) Raleigh
James Lee Zimmerman, Jr. (August, 1967) Lexington

Crop Science

Oscar Elwood Hatley (August, 1967) Albemarle
George Louis Hosfield (January, 1968) Manasquan, N. J.

Electrical Engineering

Charles Leslie Britt, Jr. (July, 1967) Durham
Roy Herman Propst (January, 1968) Spencer

Engineering Mechanics

Evan Charles Brown, Jr. (July, 1967) New Orleans, La.

Entomology

Paul Rong Sheng Chen (January, 1968) Taiwan, China
Robert Richard Willis (January, 1968) New Hyde Park, N. Y.
Raymond Shih-Hsien Yang (August, 1967) Taiwan, China

Food Science

Mieko Karube Suzuki (January, 1968) Tokyo, Japan
James Warren Swain (January, 1968) Columbia

Forestry

William Henry Gauger (January, 1968) Chapel Hill
Samuel Buchanan Land, Jr. (January, 1968) South Hill, Va.
Marcelino Quijada Rosas (January, 1968) Anzoategui, Venezuela

Genetics

Carole Johnson Elliott (August, 1967) Millville, N. J.
Sydney Walter Nelson (January, 1968) Salisbury, Rhodesia

Industrial Arts Education

Johnny Lee Crow (January, 1968) Lincolnton

Industrial Engineering

Kamalnayan Bhalashanker Pandya (July, 1967) Ahmedabad, Gujarat
Stanley Trustman (July, 1967) Mountaindale, N. Y.

Mathematics Education

Allison Dwight Monroe (January, 1968) Robbins
Roby Stephen Painter (January, 1968) Banner Elk

Mechanical Engineering

James Ronald Bailey (January, 1968)	Marion
Harry Lee Beach, Jr. (January, 1968)	Raleigh
Michael Alston Boles (August, 1967)	Jonesville
Vijayprasad Dolatrai Desai (January, 1968)	Sarthana, India
Kamlesh Anubhai Jhaveri (July, 1967)	Gujarat, India
Suresh Damodaradas Kadakia (January, 1968)	Gujarat, India
Lalji Haribhai Khant (January, 1968)	Gujarat, India
Mike Yuan Lee (January, 1968)	Chung King, China
David Sanders Miller (July, 1967)	Concord
Rudolph Euell Oliver, II (January, 1968)	Pine Level
Harish Anandbhai Patel (January, 1968)	Ahmedabad, India
Robert Kincaid Seals, Jr. (January, 1968)	Charlotte
Kamlesh Champaklal Shah (August, 1967)	Ahmedabad, India
Ranjit Kantilal Shah (July, 1967)	Bombay, India
Song-Fang Wu (July, 1967)	Taiwan, China

Metallurgical Engineering

John Montgomery Brett (January, 1968)	Ahoscie
Boyce Edward Miller, Jr. (January, 1968)	Charlotte

Microbiology

Bernard Britt Keele, Jr. (July, 1967)	Huntsville, Ala.
Mildred Abernethy Kerbaugh (January, 1968)	Raleigh
Thomas Tyler Lillich (January, 1968)	Cincinnati, Ohio
Helen Deloris Lilly (August, 1967)	Raleigh
Lorain Medbury Schultes (January, 1968)	Mount Upton, N. Y.

Nuclear Engineering

Bertram Arnold Bunting (July, 1967)	Norfolk, Va.
Thomas Richard Horton (July, 1967)	Charlotte
Madhavan Gopalakrishnan Nayar (January, 1968) ..	Trivandrum, Kerala, India
Robert Earl Surrait (January, 1968)	Greensboro

Occupational Information and Guidance

David Charles Nash (August, 1967)	Chapel Hill
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Physics

Maria Del Carmen Cassano (August, 1967)	Lima, Peru
Richard Miller Morgan (August, 1967)	Asheville
Jan Willem Luning Prak (January, 1968)	The Hague, Netherlands

Physiology

Stuart Craig Smith (August, 1967)	New York, N. Y.
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Plant Physiology

Otto John Schwarz (August, 1967)	Fort Myers, Fla.
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Poultry Science

- Elsa Cartwright Anders (August, 1967) Hendersonville
Tarek Mohamed El-Ackad (August, 1967) Alexandria, Egypt
Kinh Nguyen Hall (August, 1967) Vinh Binh, Viet Nam

Psychology

- Roy Franklin Musten, Jr. (August, 1967) Winston-Salem
Paul Schnur (January, 1968) New York, N. Y.
Ruth Blakeslee Shaw (January, 1968) Raleigh

Science Education

- Catherine Gwendolyn Meredith Ellor (January, 1968) High Point

Soil Science

- Charles Lee Mulchi (July, 1967) Norlina
John Howard Reeves (August, 1967) Covington, Tenn.

Textile Chemistry

- Walter Werner Lebensaft (January, 1968) Baden, Austria
Joel Lawson Williams (January, 1968) Pink Hill

Textile Technology

- Eugene Yeu Zen Cheng (August, 1967) Hong Kong
George Robert Johnson (August, 1967) Wilmington

Wildlife Biology

- Edward John Carpenter (August, 1967) Fredonia, N. Y.
Robert Linn Wilbur (July, 1967) Haverford, Penna.
Charles Robert Stroud, Jr. (January, 1968) Goldsboro

Wood Technology

- Thomas Parker Fetters (January, 1968) Ann Arbor, Mich.

Zoology

- Claude Cecil Crawford, III (January, 1968) Raleigh
Larry Dee Hendricks (January, 1968) Wakita, Okla.
John Francis Vance, Jr. (January, 1968) Kernersville

Doctor of Philosophy Degrees

- Hosni Ahmad Abou-El-Fittouh, Experimental Statistics and Crop Science (August, 1967)
Cairo, U. A. R.
- Dissertation: Genotype by Environment Interactions in Cotton—Their Nature, Related Environmental Factors, and Implications in Zoning. (Under the direction of John Oren Rawlings and Philip Arthur Miller).
- David Mitchell Allen, Experimental Statistics (January, 1968)
Sebree, Kentucky
- Dissertation: Multivariate Analysis of Nonlinear Models. (Under the direction of James Ennis Grizzle).
- Doyle Allen Ashley, Soil Science (January, 1968)
Collinsville, Alabama
- Dissertation: Nitrate Uptake and Assimilation by Low-N Wheat Seedlings from Ca ($^{15}\text{NO}_3$)₂ Solution. (Under the direction of William A. Jackson).
- David Hugh Ashton, Food Science (January, 1968)
Rivers Manitoba, Canada
- Dissertation: Inhibition of *Bacillus stearothermophilus* by Milk Components. (Under the direction of Francis Fredrick Busta).
- Walter Martin Britton, Animal Science (January, 1968)
Lasker, North Carolina
- Dissertation: Relationships between Zinc Nutrition and Alkaline Phosphatase Activity in the Chick. (Under the direction of Charles Horace Hill).
- Paul Chun-Yung Chen, Mechanical Engineering (January, 1968)
Fukien, China
- Dissertation: Theoretical Investigation of Some Mass Transfer Problems With Radioactive Decay and Wall Reaction. (Under the direction of Mehmet Necati Ozisik).
- Robert Lawrence Christensen, Economics (August, 1967)
Lakeview, Michigan
- Dissertation: A Study of the Relation between Income and Egg Consumption Using Consumer Panel Data. (Under the direction of Thomas Dudley Wallace).
- James Edwin Clark, Civil Engineering (July, 1967)
Columbia, South Carolina
- Dissertation: The Use of Drivometer Events to Measure Traffic Volumes. (Under the direction of Paul Day Cribbins).
- Robert Irvin Coltrane, Economics (January, 1968)
Sophia, North Carolina
- Dissertation: A Statistical Test of the Economic Base Approach to Area Economic Analysis. (Under the direction of Paul Reynolds Johnson and William Douglas Toussaint).
- Juan Antonio Comerma, Soil Science (January, 1968)
Barquisimeto, Lara, Venezuela
- Dissertation: Characteristics and Genesis of Two Soil Associations in North Central Venezuela. (Under the direction of Ralph Joseph McCracken).
- Thomas Clay Dellinger, Mechanical Engineering (January, 1968)
Albemarle, North Carolina
- Dissertation: Theoretical Investigation of Liquid Water Injection into the Shock Layer of a Reentry Vehicle. (Under the direction of Hassan Ahmad Hassan).

- Richard Pence Dowdy, Animal Science and Biochemistry (August, 1967)
Greenville, West Virginia
- Dissertation: Investigation of the Chemical Basis of the Biological Effects of the Copper-Molybdenum Interaction. (Under the direction of Gennard Matrone).
- Taha Ahmed El-Sharkawy, Plant Pathology (August, 1967)
Tanta, U. A. R.
- Dissertation: Bacteriophage Reactions and Pathogenic Spectra of *Xanthomonas* Species to Cotton. (Under the direction of William Earl Cooper).
- Anna Clyde Fraker, Ceramic Engineering (July, 1967)
Raleigh, North Carolina
- Dissertation: The Eta Carbides of Molybdenum-iron, Molybdenum-cobalt, and Molybdenum-nickel. (Under the direction of Hans Heinrich Stadelmaier).
- John O'Neil Gerald, Economics (January, 1968)
Loris, South Carolina
- Dissertation: Prices, Trade Flows and Formula Pricing of Shell Eggs in the United States. (Under the direction of James Claude Williamson, Jr.).
- Aubrey Brewer Gosnell, Chemistry (August, 1967)
Durham, North Carolina
- Dissertation: The Synthesis and Characterization of Well-Defined Branched Polymeric Molecules with Anionic Polymerization. (Under the direction of Vivian Thomas Stannett).
- John Graham, Entomology (January, 1968)
New York City, New York
- Dissertation: Principles of Crowding Effect in *Aphis gossypii* Glover (Aphididae, Homoptera). (Under the direction of Clyde Fuhrman Smith).
- Creighton Lee Gupton, Crop Science (August, 1967)
Castalia, North Carolina
- Dissertation: The Heritability of Maturation Indices Associated with Specific Growth Periods in Virginia Type Peanuts. (Under the direction of Donald Allen Emery).
- George David Gwyer, Economics (August, 1967)
Surrey, England
- Dissertation: Determinants of Long Term Capital Flows to Peru, 1950-1965. (Under the direction of Paul Reynolds Johnson).
- Bernard Ray Haskins, Animal Science (January, 1968)
Lakeland, Florida
- Dissertation: The Influence of Low Levels of Roughages and Roughage Substitutes on Performance Rumen Environment, Rumen Parakeratosis and Liver Abscesses of Steers Fed High Energy Rations. (Under the direction of Milton Bee Wise).
- Fredric Hathorn, Animal Science (July, 1967)
Lafayette, Louisiana
- Dissertation: Effects of the Addition of Materials of Different Nutritive Potential to the Rumen of the Steer. (Under the direction of James Edward Legates and Allen Huff Rakes).
- Bruce Sword Heming, Entomology (January, 1968)
Guelph, Ontario, Canada
- Dissertation: Postembryonic Development of the Male and Female Reproductive Systems of *Frankliniella fusca* (Hinds) (Thripidae) and *Haplothrips verbasci* (Osborn) (Phlaeothripidae) (Thysanoptera). (Under the direction of William Vernon Campbell).

- Alva William Johnson, Plant Pathology (July, 1967)
Tifton, Georgia
- Dissertation: Ecological Associations Between Certain Species of Plant Parasitic Nematodes in Mixed Populations. (Under the direction of Charles Joseph Nusbaum).
- Thomas Kent Kirk, Plant Pathology, Biochemistry (January, 1968)
Natchitoches, Louisiana
- Dissertation: Oxidation and Oxidative Cleavage by White-Rot Fungi of Model Compounds Closely Related to Lignin. (Under the direction of Ellis Brevier Cowling, Samuel B. Tove, and Arthur Kelman).
- Kenneth Lowell Koonce, Animal Science (January, 1968)
Iowa, Louisiana
- Dissertation: Associations of Birth Weight and Gestation Length with Prewaning Growth in Beef Cattle. (Under the direction of James Edward Legates).
- Sham Sunder Kumar, Entomology (August, 1967)
N. Delhi, India
- Dissertation: Choline Metabolism in Insects. (Under the direction of Ernest Hodgson).
- Leung Wang Lau, Nuclear Engineering (January, 1968)
Hong Kong, China
- Dissertation: An Acoustical and Optical Study of Cavitation Noise. (Under the direction of Raymond Frederick Saxe).
- Sung Won Lee, Experimental Statistics (July, 1967)
Seoul, Korea
- Dissertation: A Probability Model for Random Fiber Breakage. (Under the direction of John William Bishir).
- Tung Liang, Biological and Agricultural Engineering (January, 1968)
Taipei, Taiwan
- Dissertation: A dynamic Programming Markov Chain Approach to Farm Machinery Preventive Maintenance Problems. (Under the direction of David Alan Link).
- Frank Duff Mason, Experimental Statistics (August, 1967)
Kennewick, Washington
- Dissertation: Simulation of a Multi-Station System of Queues with Delayed Exponential Service. (Under the direction of Robert James Monroe).
- Gary Alan Massel, Physics (July, 1967)
Greensboro, North Carolina
- Dissertation: The Kinetic Theory of Forced Oscillations in Plasmas. (Under the direction of Marc R. Feix and Grover Cleveland Cobb, Jr.).
- Thomas Joseph Monaco, Crop Science (January, 1968)
Kearny, New Jersey
- Dissertation: The Partitioning and Distribution of Simazine and Propanil in Spinach Chloroplasts. (Under the direction of Donald Edwin Moreland).
- Edward Samuel Oberchofer, Physics (January, 1968)
Winston-Salem, North Carolina
- Dissertation: An Investigation of Isomeric Transitions Following the Decay of ^{207}Np , ^{20}Am , and ^{202}Am . (Under the direction of Arthur Walter Waltner).

- Lynn McIver Perry, Jr., Applied Mathematics (August, 1967)
 Sanford, North Carolina
 Dissertation: Unitary Convolution Subalgebras of Incidence Algebras. (Under the direction of Kwangil Koh).
- Anco Luning Prak, Wood Technology (January, 1968)
 Raleigh, North Carolina
 Dissertation: Unsteady-State Gas Permeability of Wood. (Under the direction of Alfred J. Stamm).
- Charles Ian Maxwell Reekie, Economics (August, 1967)
 Manchester, England
 Dissertation: Some Aspects of Foreign Demand for United States Wheat. (Under the direction of Paul Reynolds Johnson).
- James Robert Reynolds, Mechanical Engineering (July, 1967)
 Boone, North Carolina
 Dissertation: Transport Processes in Magnetosolidmechanics. (Under the direction of Munir Ridha El-Saden).
- Larry Herbert Royster, Engineering Mechanics (January, 1968)
 Durham, North Carolina
 Dissertation: Investigation of the Basic Design Principles of the Flexensional Underwater Acoustic Transducer. (Under the direction of Franklin Delano Hart).
- Ernest Davis Seneca, Botany (July, 1967)
 Virginia Beach, Virginia
 Dissertation: Seed Germination and Seedling Development of Four Dune Grasses from the Outer Banks of North Carolina. (Under the direction of Arthur Wells Cooper).
- William Hutton Sides, Jr., Nuclear Engineering (January, 1968)
 Greensboro, North Carolina
 Dissertation: An On-Line Auto- and Cross-Correlator for Nuclear Reactor Noise Analysis. (Under the direction of Raymond Frederick Saxe).
- Tejinder Harpal Singh, Genetics (January, 1968)
 Ludhiana District, Punjab, India
 Dissertation: Comparison of Vigor in Serial Backcross Generations and Their Selfed Progenies Derived from *Hirsutum* x *Barbadosense* Hybrids in *Gossypium*. (Under the direction of Stanley George Stephens).
- Ronald Ellis Smith, Civil Engineering (January, 1968)
 Rocky Mount, North Carolina
 Dissertation: A Study of Consolidation of Cohesive Soils Under Constant Rates of Strain. (Under the direction of Harvey Edward Wahls).
- Robert Seago Sowell, Biological and Agricultural Engineering (July, 1967)
 Coldwater, Mississippi
 Dissertation: A Farm Machinery Replacement Study with Application to the Replacement of Self-propelled Cotton Pickers. (Under the direction of David Alan Link).
- Asham Sultan Sulaiman, Forestry (January, 1968)
 Baghdad, Iraq
 Dissertation: A Study of Desiccation and Effects of Antidesiccants on Water Loss Through the Foliage and Bark of Five Species of Hardwood Planting Stock. (Under the direction of T. Ewald Maki).

- Bene Frank Swindel, Forestry (January, 1968)
Athens, Georgia
- Dissertation: On the Estimation of Forest Growth Parameters in a Linear Model with Correlated Errors. (Under the direction of T. Ewald Maki and Robert James Monroe).
- Ruen Chiu Tang, Wood Technology (January, 1968)
Taichung, Taiwan, China
- Dissertation: Boundary Value Problems in Anisotropic Elasticity. (Under the direction of Benjamin Anderson Jayne).
- James Lamar Teate, Forestry (August, 1967)
Cordele, Georgia
- Dissertation: Some Effects of Environmental Modification on Vegetation and Tree Growth in a North Carolina Pocosin. (Under the direction of T. Ewald Maki).
- David Lee Terry, Soil Science (January, 1968)
Burkley, Kentucky
- Dissertation: Quantitative Prediction of Leaching in Field Soils. (Under the direction of Charles Bernard McCants).
- Ewell Douglas Waits, Botany (August, 1967)
Birmingham, Alabama
- Dissertation: Net Primary Productivity of an Irregularly-Flooded North Carolina Salt Marsh. (Under the direction of Arthur Wells Cooper).
- Robert Henry Wakefield, Jr., Physics (January, 1968)
Salisbury, North Carolina
- Dissertation: Nuclear Magnetic Double Resonance of Complex Spin Systems (Under the direction of Jasper Durham Memory).
- William Jean Wilhelm, Civil Engineering (January, 1968)
Mobile, Alabama
- Dissertation: An Analytical Study of the Effect of Creep and Shrinkage on the Behavior and Ultimate Capacity of Long Hinged Prestressed Concrete Columns. (Under the direction of Paul Zung-teh Zia and Mehmet Ensar Uyanik).

Recipients of Honorary Degrees

RALPH WALDO CUMMINGS

The whole meaning of a university is embedded in the name of RALPH WALDO CUMMINGS, a distinguished agricultural scientist whose name also calls up the memory of the first great American philosopher. A native of North Carolina and graduate, in 1933, of this institution, Dr. Cummings has devoted a brilliant career to the advancement of soil technology. In 1942 he was named head of North Carolina State University's Department of Agronomy, continuing in that position until 1950, when he became Director of the North Carolina Agricultural Experiment Station. In this capacity, he played a major part in launching our Agricultural Research Mission to Peru, a foreign assistance program now generally regarded as one of the most successful every developed by an American university. In 1957, however, destiny saw to it that, like his transcendentalist namesake, Ralph Waldo Cummings would turn toward India. As field director of the Indian Agricultural Program for the Rockefeller Foundation he was, until 1966, a resident of New Delhi, where his accomplishments can best be expressed in these words from a tribute paid to him by the faculty and students of the Indian Agricultural Research Institute: "With great practical wisdom and emphasis on realistic possibilities, you made the core of (our) programme the concept of making the maximum use of existing resources, a philosophy which is profoundly relevant to countries like ours which are often short of materials and equipment. This philosophy, put into practice with quiet thoroughness, has had a striking impact on Indian agriculture in the short space of nine years, both in terms of the productivity of agriculture and of the evolution of new patterns of research."

Ralph Waldo Emerson called for men to live vitally and usefully in the present. Ralph Waldo Cummings, distinguished student, teacher, scientist, and administrator, now Associate Director for Agricultural Sciences of the Rockefeller Foundation, has given Emerson's ideal the weight of reality.

GEORGE MAURICE HILL

There is hardly a facet of public service to which GEORGE MAURICE HILL has not made a valuable contribution, whether as a member of the board of deacons of his church, administrative officer of the consolidated University of North Carolina, Chairman of the Board of Trustees of Wake Forest University, trustee of Western Piedmont Community College, or member and immediate past chairman of the board of the North Carolina State Engineering Foundation. He was the first chairman of the Engineering School Advisory Council when it was organized in 1953. Maurice Hill has served as Counselor to our School of Forest Resources. These are but a few items in a list of accomplishments so impressive in generosity and substance that it seems almost an afterthought to add that he has been President of Drexel Furniture Company and, since 1965, President of the parent corporation, Drexel Enterprises, Inc. Putting aside a wayward thought that his preoccupation with desks, chairs and board tables has made this furniture manufacturer his own best consumer, we instead gratefully recognize that he has been especially generous in his concern for this institution.

A native of Rutherford County, Maurice Hill has been characterized by one of his associates as a "driver and a doer" and, in the same breath, as "a charming and considerate man." This rare combination of qualities may explain a career that has encompassed both the great and the small: major industrial enterprises and universities on the one hand, church committees and local school systems on the other. His career has been, above all, a manifestation of his deep concern for the moral and intellectual health of the state and region.

WILLIS KING

Currently Chief of the Division of Fishery Services of the Bureau of Sport Fisheries and Wildlife, United States Department of the Interior, DR. WILLIS KING has dedicated a long and fruitful career in biological science to the management of wildlife resources. A native of Ohio, Dr. King has been particularly active in promoting the improvement of sport and commercial fishing in the southeastern United States. His influence has often been felt on this campus, starting in 1940 when he began a nine-year residence in Raleigh, and a close association with our Zoology Department, while Chief of Fisheries for the North Carolina Wildlife Resources Commission. In that period and in the years since, Dr. King's relations with North Carolina State University have included a charter membership in our chapter of the Society of Sigma Xi, and the establishment of one of the early Cooperative Fishery Units at this institution. He has been equally helpful to the state as a whole. From 1955 to 1959, Dr. King served as chairman of the Roanoke River Steering Committee, which coordinated the efforts of several state and federal agencies in a study of this river and its fishery resources. Perhaps the most unusual project of Willis King's career has been a program of providing technical assistance on fishery management to Indian tribes. Among the beneficiaries of this humane application of technology have been the Eastern Band of Cherokees on the Cherokee Indian Reservation in North Carolina. Productive scholar, able administrator, possessed of a rare understanding of campus and government, Willis King exemplifies science in the service of man.

NELLO LEGUY TEER, JR.

If we observe that the history of the construction industry in North Carolina has been largely a matter of blood, sweat and Tears, we may expect to be forgiven only if we hastily add that today we are proud to honor the foremost of the Tears. A native of Durham, a graduate of the University at Chapel Hill, NELLO LEGUY TEER, JR. in 1959 assumed the presidency of the company bearing his father's name. The operations of his firm extend far beyond the boundaries of this state into other regions of America and other nations of the world; the eminence of the Nello L. Teer Company alone would provide reason enough for our institution to confer an honorary degree upon this engineer-businessman. In addition to his successful career, however, and to a great variety of public services, Nello Teer has been a friend to higher education and to this institution in particular. Among numerous formal activities which can be cited are his services to the Engineering Foundation beginning in 1956 and continuing to the present, including a two-year term as president of the Foundation from 1963 to 1965. In 1947, he headed a drive to establish the Frank Page Professorship in Civil Engineering; the Teer Company made the first contribution to this fund. Nello L. Teer, Jr., in the words of an observer, "exemplifies the best in business and construction leadership and in responsible citizenship in his community and state. The industry, the school and North Carolina are all better for his unselfish public service."

Awards For Achievement 1967-1968

SCHOOL OF AGRICULTURE AND LIFE SCIENCES

Agricultural Council Outstanding Club Member Awards:

Agronomy: Henry Bryant Hagwood, Raleigh
Horticulture: Elwood Lee Cumbo, New Bern
Wildlife Biology: John Kent Crawford, North Wilkesboro
Agricultural Engineering: Roy Dean Rhue, Winston-Salem
Agricultural Economics: Charles E. Daniel, Jr., Sanford
Agricultural Institute: Nancy Charles Holt, Star
Food Science: John Robert Woodard, Jr., Spring Hope
Animal Science: Lary Wayne Stewart, Elkin
Poultry Science: Harlen James Price, Jr., Monroe
Pre-Veterinary: Louis G. Harrelson, Waco

Agricultural Economics:

Wall Street Journal Achievement Award: Thomas McKenzie Crews, Jr., Raleigh

Agronomy:

Senior Highest Scholastic Average in Agronomy: Ronald Perry Thompson, Lucama (Plant Protection)
American Society of Agronomy Award, Most Outstanding Senior: Ronald Perry Thompson, Lucama (Plant Protection)
Agronomy Club Leadership Award: Henry Bryant Hagwood, Raleigh (Agronomy)
Agronomy Achievement Award: Carl Wells Hall, III, Mt. Ulla (Agronomy)

Animal Science:

American Society of Animal Science Senior Scholarship Award: John V. Hall, Aulander; Aubrey W. Garner, Roanoke Rapids

Biological and Agricultural Engineering:

American Society of Agricultural Engineers, Student Honor Awards: Jed Repass Newland, Raleigh
Senior Honor Award in Biological and Agricultural Engineering—Technology Program: Roy Dean Rhue, Winston-Salem

Food Science:

Virginia Dare Award: Margaret Anne Cooke, Cleveland
Forbes Chocolate Award: Robert Lionel Stark, Raleigh
Ambrosia Chocolate Award: John Robert Woodard, Jr., Spring Hope

Gamma Sigma Delta:

Sophomore Certificate: Brian K. Ashford, Belhaven (Animal Science)
Senior Certificate: Robert Ray Jackson, Pittsboro (Biological Sciences)

Horticultural Science:

Burpee Award: John C. Webster, Statesville
Outstanding Senior Award: Elwood Lee Cumbo, New Bern

Pre-Veterinary:

Outstanding Student: Lewis G. Harrelson, Waco

Zoology:

Most Outstanding Student: David Allen Pennell, Boomer

SCHOOL OF DESIGN

North Carolina Section of the Southeastern Chapter of the American Society of Landscape Architects Book Award: Randolph Thompson Hester, Roxboro

The American Society of Landscape Architects Certificate of Merit: Randolph Thompson Hester, Roxboro; Donald Lynn Collins, Charlotte

The Industrial Designers Society of America Certificate of Merit: Philip Warren Cotton, Roanoke, Virginia

The Alcoa Book Award: Lewis Franklin Bost, Shelby

The American Institute of Architects School Medal: Reinhard Karl Goethert, Manchester, Tennessee

The American Institute of Architects Book Award: Richard John Green, Plainessville, Ohio

Alpha Rho Chi Medal: James Hassell Ross, Jr., Raleigh

North Carolina Chapter of The American Institute of Architects Book Award: Reinhard Karl Goethert, Manchester, Tennessee

Walter Hook Award: Margaret Marie Garey, Easton, Maryland

SCHOOL OF EDUCATION

Education Council Key, most outstanding student enrolled in: Agricultural Education, Reuben Richard French, Jr., Draper; Industrial and Technical Education, Elbert Ronald Batten, Clayton; Mathematics and Science Education, Jane Cornwall Warren, Lincolnton

Agricultural Education Club Award: most outstanding senior graduating at the end of the fall semester, Alton Phil Grady, Selma; graduating at the end of the spring semester, Reuben Richard French, Jr., Draper

Kappa Phi Kappa Scholarship Medal: Elbert Ronald Batten, Clayton

SCHOOL OF ENGINEERING

Dean's Leadership Award: James C. Henderson, Hendersonville (Senior, Chemical Engineering)

The Hamilton Watch Award: Lonnie L. Miller, Raleigh (Senior, Industrial Engineering)

The Outstanding Engineering Senior Award: David F. Parker, Rocky Mount (Senior, Industrial Engineering)

The Outstanding Engineering Citizen Award: Charles G. Letchworth, Rocky Mount (Senior, Mechanical Engineering)

Agricultural Engineering: American Society of Agricultural Engineers Student Honor Award: Jed Repass Newland, Raleigh

Chemical Engineering: American Institute of Chemical Engineers Outstanding Senior Award: Ronald James Baer, Statesville; Richard Palmer Kitson, Wilmington, Delaware

Civil Engineering: American Society of Civil Engineers Award to Outstanding Seniors: John Royster Armfield, Mount Airy; William Wirt Payne, Jr., Blacksburg, Virginia; Douglas Lee Quinn, Wilmington; William Frank Rosser, Sanford; Associated General Contractors Award to Outstanding Senior in Civil Engineering Construction Option: Gary H. Hodges, Whiteville; North Carolina Chapter of the American Public Works Association Award to Outstanding Seniors in Civil Engineering: William H. Harris, Fredericksburg, Virginia; William H. Lockhart, Charlotte

Electrical Engineering: Outstanding Senior Award: Joseph Sampson Colson, Oxford; Institute of Electrical and Electronics Outstanding Student Award: Everette Allen Barefoot, Jr., Cary

Engineering Mechanics: Comma-Dot-Eye Award: Bradley Wayne Smith, Chapel Hill

Engineering Operations: Outstanding Senior Award: William Sidney Horton, Jr., Charlotte

Industrial Engineering: Outstanding Senior Award: David Franklin Parker, Jr., Rocky Mount

Mechanical Engineering: American Institute of Aeronautics and Astronautics Outstanding Achievement Award: Ronald W. Shoullars, Kinston; American Institute of Aeronautics and Astronautics Chairman's Certificate: Samuel T. Hicks, Wake Forest; American Society of Mechanical Engineers Certificate Award: Charles Joseph McCann, Rockville, Maryland; Pi Tau Sigma Award: George Atlas Corbett, Ayden

Mineral Industries: Mineral Industries Achievement Award: Michael Kent Lee, Monroe

Nuclear Engineering: Outstanding Nuclear Engineering Senior: Richard James Hosey, Raleigh

SCHOOL OF FOREST RESOURCES

Xi Sigma Pi Senior Award: James P. Cunningham, Durham

Xi Sigma Pi Freshman Award: Clarence A. Dykes, Savannah, Georgia

Continental Can Competitive Scholarship Awards: John David Harper, Raleigh; James Victor Henderson, Hopewell, Virginia; William R. Norton, Danville, Virginia; Andrew Stewart Nuckols, Rocky Mount; George Daniel Shankle, Jr., Polkton

Homelite Honor Awards: George G. Glass, Jr., Raleigh; Albert Coffey, Blowing Rock; Henry Smith, Raleigh; Marc L. Staff, New York, New York

Biltmore Scholarship Awards: George S. Crum, Charlotte; Carl W. Houston, Clearwater, Florida; Howard C. Williams, Jr., Winston-Salem

Conger Scholarship Awards: Edmond J. Goforth, Jr., Marshall; Thomas W. Hardison, New Bern

Rho Phi Alpha Award: Robert S. Stokes, Haddonfield, New Jersey

Paper Industry Management Association Award: Harold E. Sellers, Westport, Connecticut

French Broad River Garden Club Scholarship Award: John M. Whisenant, Morganton

Crown Zellerbach Scholarship Awards: Johnnie D. Respass, Plymouth; Mack William Bailey, Andrews, South Carolina

Weyerhaeuser Fellowship Awards: Myron W. Kelly, Lysander, New York; Stephen R. Webster, Rochester, Washington

SCHOOL OF LIBERAL ARTS

Liberal Arts Council Scholarship Award: Edward William Fisk, North Rose, New York (Senior, Economics)

B. F. Brown Award for Excellence in Liberal Arts: Gayle Andrews Taylor, Emmaus, Pennsylvania (Senior, Psychology)

Liberal Arts Council Service Awards: Thomas Michael Antone, Raleigh (Senior, English); Bettina Lee Warthen, Raleigh (Senior, English)

SCHOOL OF PHYSICAL SCIENCES AND APPLIED MATHEMATICS

Award to Top Ranking Candidate for Degree of Doctor of Philosophy in Applied Mathematics: Kenneth Alfred Byrd, Erwin

Awards for Outstanding Ph.D. Work: Stephen Hunt Brown, Raleigh; Noal Cope Harbertson, Raleigh; Gary Douglas Richardson, Raleigh

Award to Outstanding Senior Candidate for Degree of Bachelor of Science in Applied Mathematics: Joseph Wayne Pace, Spring Hope

The Chemical Rubber Company Award for Outstanding Achievement in Freshman Chemistry: Paul Brent Ferrell, Raleigh

The Merck Index Award for Scholastic Achievement in Chemistry: Dale Alan Newton, Henderson

SCHOOL OF TEXTILES

American Association of Textile Chemists and Colorists Award: Michael Way Bernhardt, Salisbury

American Association for Textile Technology Award: Walter Howard Wilkinson, Hickory

Harry Ball Award: Charles Patterson Logan, Mooresboro

Delta Kappa Phi Fraternity Award: Steve Franklin Warren, Stanley

Saul F. Dribben Memorial Award: Roy Leon Lynam, Wake Forest

Everett C. Drake Award: Louie Grayson Carter, Winston-Salem

Alfred Hofmann Needle Works Award: Steve Allen Bolick, Hickory

Laconia Cooper Sales Corporation Award: David Timothy Rouse, La Grange

Lawrence Iason Award: Robert Edward Dalton, Raleigh

North Carolina Textile Manufacturers Association Award: Steve Franklin Warren, Stanley

Phi Psi Fraternity Award: Clifton Wayne Cook, Winston-Salem

John M. Reeves Scholarship: Rodney Lloyd Coldwell, Southboro, Massachusetts

Harry Riemer Award: John Nance Hall, Elkin

Chester H. Roth Award: Richard Erik Jenkins, Concord

Sigma Tau Sigma Scholarship Fraternity Award: James R. Simpson, Concord

Textile Forum Technical Journalism Award: Mike Howle, Burlington

Textile Forum Technical Journalism Award: Ted E. Huneycutt, Albemarle

Textile Veterans Association Award: Leslie Ray Payne, Mebane

ALUMNI ATHLETIC TROPHY

James M. Donnan, III, Burlington

PHI KAPPA PHI, NATIONAL HONORARY SCHOLARSHIP SOCIETY

Intellectual Achievement—Ph.D. Candidate: Hubert Hartman Davis, Jr., Knightdale

Intellectual Achievement—M.S. Candidate: Thomas Lynn Honeycutt, High Point

Highest Scholastic Standing—Senior: James Elmore Lowe, Pfafftown

Highest Scholastic Standing—Junior: James Edward Wilbourn, Gurley, Alabama

Highest Scholastic Standing—Sophomore: Mrs. Odile Marie Maher, Raleigh

AIR FORCE ROTC AWARDS

American Legion ROTC General Military Excellence Award: Cadet Colonel Thomas E. May, Springfield, Virginia (Gold); Cadet Captain Douglas A. Hoggard, Madison (Silver)

American Legion ROTC Scholastic Award: Cadet Colonel Keith L. Kushman, Cary (Gold); Cadet 1st Lt. James M. Howard, II, Oxford (Silver)

Armed Forces Communications and Electronics Association Award: Cadet 2nd Lt. Herman M. McCorkle, Fayetteville

Daughters of the Founders and Patriots of America Medal: Cadet Airman Robert J. McCormick, Hazlet, New Jersey

Sons of the American Revolution ROTC Medal: Cadet Airman Basic Stephen E. Dorman, Conway, South Carolina

Reserve Officers' Association Awards: Cadet Airman Basic Stephen J. Dunning, Durham; Cadet SSgt. Lanny N. Smith, Mocksville; Cadet Captain Larry W. Black, Stanfield; Cadet Lt. Col. Charles C. Sink, Winston-Salem

Air Force Association Award: Cadet Colonel Charles W. Arthur, II, Candler

Major General William C. Lee Award: Cadet Airman Basic Charles M. Craft, Portland, Oregon

Arnold Air Society Award: Cadet TSgt. Gary W. Brock, High Point

Best Drilled Air Force Cadet Award: Cadet Airman Basic John T. Duncan, Jr., Apex; Cadet TSgt. Gary W. Brock, High Point; Cadet Captain Larry W. Black, Stanfield

Flight Leader Award: Cadet SSGt. David L. Hayes, Durham
Commandant of Cadets Award: Cadet Colonel Wayne Mayfield, Jacksonville
Air Force Times Award: Cadet Lt. Col. Bascombe J. Wilson, Asheville
PAS Award: Cadet Colonel Charles W. Arthur, II, Candler
General Dynamics Award: Cadet SSGt. Robert M. Tayloe, Ahsokie

ARMY ROTC AWARDS

American Legion Medals for Military Excellence: Cadet Staff Sergeant Joseph C. McAlexander, Center Valley, Pennsylvania; Cadet Captain Jerald L. Nelson, Salt Lake City, Utah

American Legion Medals for Scholastic Excellence: Cadet Sergeant First Class Richard J. Trichter, Great Neck, New York; Cadet Captain Leon R. McLawhorn, Raleigh

Armed Forces Communication and Electronics Association Medal: Cadet Lieutenant Howard E. Poole, Glen Alpine

Daughters of the Founders and Patriots of America Medal: Cadet Jerry S. Williams, Raleigh

Sons of American Revolution Medal: Cadet First Sergeant Larry B. Hancock, Seagrove

Reserve Officers Association Certificates: Cadet Lieutenant Douglas R. Davis, Newton; Cadet David W. Shuford, Hickory; Cadet Maynard R. Stalter, Winston-Salem

Reserve Officers Association Medal: Cadet Sergeant First Class Donald P. Duncan, Franklin

Department of the Army Superior Cadet Medals: Cadet Lieutenant Colonel Charles J. Gantner, Piscataway, New Jersey; Cadet Sergeant Major Ronald W. Shuklis, Petersburg, Virginia; Cadet Charles O. Midgette, Belhaven; Cadet Robert L. Holden, Charleston Heights, South Carolina

Colonel John W. Harrelson Award: Cadet Clifford E. File, Jr., Salisbury

Army ROTC Best Drilled Platoon Award: Cadet Lieutenant Michael R. Ensley, Belmont

Professor of Military Science Award—Best Company: Cadet Captain William E. Linn, Fayetteville

Association of the United States Army Medal: Cadet Sergeant Major Joseph Wooten, Rocky Mount

Association of the United States Army Award: Cadet Wiley M. Woolard, Washington

Scabbard and Blade Awards: Cadet Sergeant Major Ronald A. Moore, Castle Hayne; Cadet Captain Calvin M. Tucker, Mayodan

Pershing Rifles Award for Pershing Rifle's Outstanding MS I: Cadet William Farmer, Wilmington

Pershing Rifles Award for Pershing Rifle's Outstanding MS II: Cadet William Etheridge, Raleigh

Pershing Rifles Award for Pershing Rifles Outstanding Advanced Course Cadet: Cadet Sergeant Major Ronald A. Moore, Castle Hayne

OUTSTANDING TEACHER AWARDS

This year the graduating seniors have 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 1967-1968

TO BE COMMISSIONED ON 25 MAY 1968:

Acree, William	Greensboro, North Carolina
Alley, Larry Michael	Kernersville, North Carolina
Anderson, Charles Edward	St. Petersburg, Florida
* Arthur, Charles Waller, II	Candler, North Carolina
Bledsoe, Samuel Black, III	Cocoa Beach, Florida
Boyles, Charles Franklin, Jr.	Charlotte, North Carolina
Chambers, Howard Burgess, Jr.	Winston-Salem, North Carolina
Cooke, Robert Joseph	Four Oaks, North Carolina
Dalton, Robert Edward	Raleigh, North Carolina
Daniska, Michael David	Basset, Virginia
Daves, John Eugene	Asheville, North Carolina
Ellington, Johnny Emerson	Graham, North Carolina
* Fisher, Wayne Curtis	Norfolk, Virginia
Gallogly, William Francis, Jr.	Arlington, Virginia
Griswold, William Albert	Raleigh, North Carolina
Hall, William Bennett	Pineville, North Carolina
Henderson, James Chadwick	Hendersonville, North Carolina
Hughes, Charles Edward	Greensboro, North Carolina
Jones, Michael Theodore	Fayetteville, North Carolina
* Kushman, Keith Lee	Cary, North Carolina
Lamont, Raymond Arthur	Richmond, Virginia
Leonard, Joseph Edwin	Greensboro, North Carolina
Logan, Charles Patterson, Jr.	Mooresboro, North Carolina
* May, Thomas Edward	Springfield, Virginia
* Murdock, Thomas Lee	Silver Spring, Maryland
* Prone, Michael Brian	Scituate, Massachusetts
Rawls, Lloyd Hildres	Fayetteville, North Carolina
Rogers, Henry Dean, Jr.	Greensboro, North Carolina
* Setzer, Edwin Paul	Hickory, North Carolina
Shore, Thaddeus William	Boonville, North Carolina
Shoullars, Ronald Williams	Kinston, North Carolina
Sink, Charles Cramer	Winston-Salem, North Carolina
Stafford, Russell Gerald	Monroe, North Carolina
Steinberger, Alfred John, III	Charlotte, North Carolina
Tarlton, David Walter, Jr.	Mount Pleasant, North Carolina
Thaler, William Bennett	Manassas, Virginia
Turner, Donald Wilson	Raleigh, North Carolina
White, Ralph Rigdon, Jr.	Greensboro, North Carolina
White, William Wallace, Jr.	Black Mountain, North Carolina
Wicker, Harvey Lee	Raleigh, North Carolina
Willett, Donald Roy	Durham, North Carolina
Williams, David Lee	Durham, North Carolina
Wilson, Bascombe Jay	Asheville, North Carolina

COMMISSIONED ON 1 JUNE 1967-30 APRIL 1968:

Bailey, William Butler	Salisbury, North Carolina
Brown, Dale Linwood, Jr.	Omaha, Nebraska
Caldwell, James	Suffern, New York

* Distinguished Graduate

Chagaris, Robert Leon	New Bern, North Carolina
Coltrain, Frederick Thayer	Oak City, North Carolina
Daniel, Howard Wayne	Greensboro, North Carolina
Daniels, Roger Glenn	Oak City, North Carolina
Dickey, John William, Jr.	High Point, North Carolina
*Duncan, Farris Allen	Timberlake, North Carolina
Ellen, John Maigrit	Winston-Salem, North Carolina
Gardner, Donald Rex	Clayton, North Carolina
Grigg, Don Alfred	Charlotte, North Carolina
Haas, Milton Frank	Fayetteville, North Carolina
Lauppe, Thomas Pinckney	Charlotte, North Carolina
Livera, Aldo Leon, Jr.	Madison, New Jersey
Mikeal, Jerry Houck	Charlotte, North Carolina
Moran, Michael Julius	New Bern, North Carolina
Morgan, John Glendon	Mount Holly, North Carolina
Murphy, Herbert Stetser, Jr.	Moorestown, New Jersey
*Pfefferkton, James Winans	Winston-Salem, North Carolina
Ruchrwein, William Raymond, Jr.	Cincinnati, Ohio
Sparks, Terry Grant	Winston-Salem, North Carolina
Tart, Howard Gale	Dunn, North Carolina
Whitley, Russell Vernon	Durham, North Carolina
Whitley, Willard Hugh	Selma, North Carolina
Willard, Thomas Vann	Raleigh, North Carolina
Wise, Chesley Gerald, Jr.	Raleigh, North Carolina

* Distinguished Graduate

Army ROTC Cadets Commissioned 1967-1968

TO BE COMMISSIONED ON 25 MAY 1968:

Austin, Michael R.	Marshville, North Carolina
Averette, Henry P., Jr.	Raleigh, North Carolina
Baker, Jerry B.	Greensboro, North Carolina
Bost, Jonathan W.	Kings Mountain, North Carolina
Brake, Joseph A.	Rocky Mount, North Carolina
Chastant, Thomas J.	Raleigh, North Carolina
Cleary, Timothy M.	Southern Pines, North Carolina
Clendenin, George M.	Wilmington, North Carolina
Croxton, Randolph R.	Burlington, North Carolina
Eagar, Harry D., Jr.	Virginia Beach, Virginia
Ensley, Michael R.	Belmont, North Carolina
*Frick, Grady J.	Albemarle, North Carolina
*Gantner, Charles J., Jr.	Piscataway, New Jersey
Hayes, Jerry G.	Selma, North Carolina
Hays, Davis E.	Kinston, North Carolina
*Hough, Amos J., Jr.	Wingate, North Carolina
Ipock, Charles E.	Vanceboro, North Carolina
Jenkins, Harvey E.	Cramerton, North Carolina
Joseph, Richard P.	New Bern, North Carolina
*Kernodle, Joseph W.	Reidsville, North Carolina
Lamb, James M.	Kinston, North Carolina
Little, Porter C., III	Pittstown, New Jersey
Lloyd, George V. B.	Raleigh, North Carolina
Maddy, Lynn G., Jr.	Raleigh, North Carolina
Martin, Edward L., Jr.	Raleigh, North Carolina
McDougall, Frank H.	Fayetteville, North Carolina
McMichael, Curtis A.	Macon, Georgia
Merrell, Carroll D.	Charlotte, North Carolina
Mitchiner, Dwane R.	Garner, North Carolina
*Montgomery, David B.	High Point, North Carolina
*Nelson, Jerald L.	Salt Lake City, Utah
*Personette, Joseph R.	Vienna, Virginia
Ross, Roger L.	Norwood, North Carolina
Sawyer, Douglas A.	Raleigh, North Carolina
Sellers, Harold E.	Mexico 5, D. F.
Sigmon, Ross M., III	Burlington, North Carolina
Summerlin, Richard W.	Albemarle, North Carolina
*Tracy, Lawrence D.	Chapel Hill, North Carolina
Turlington, James E.	Clinton, North Carolina
Van Note, Frank R.	Ashbury Park, New Jersey
*West, Thomas E., Jr.	Raleigh, North Carolina
White, Joseph H.	High Point, North Carolina
Whitehurst, Claude A.	Elizabeth City, North Carolina
Wilson, John C., III	Arlington, Virginia
York, Joseph N.	Mount Airy, North Carolina
York, Ronald C.	Charlotte, North Carolina

* Denotes Distinguished Military Student

COMMISSIONED DURING PERIOD 1 JUNE 1967-MAY 1968:

Bartelme, John W.	Whitehouse Station, New Jersey
Benson, William A.	Charlotte, North Carolina
Bohrer, Charles H.	Statesville, North Carolina
Bordeaux, Marshall N.	Ingold, North Carolina
Boyd, Charles E.	Asheville, North Carolina
Burson, Donald A.	Hendersonville, North Carolina
Claude, Willis R., II	Halifax, North Carolina
Chiswell, Alfred G., Jr.	Cary, North Carolina
Davis, Robert H.	West Jefferson, North Carolina
Davis, Virgil W.	Norfolk, Virginia
*Dixon, Gurney L.	Mount Airy, Maryland
*Doerr, John A.	Raleigh, North Carolina
Edwards, Larry R.	Salisbury, North Carolina
Ellington, Frederick H.	Zebulon, North Carolina
Ellis, Randolph W.	Fort Leavenworth, Kansas
Fisher, Vance E., Jr.	Durham, North Carolina
Forbes, Tran L.	Shawboro, North Carolina
Fussell, David Grady	Belhaven, North Carolina
*Fuzy, Eugene A.	Hopewell, Virginia
Hamilton, Douglas L.	Pine Bluff, Arkansas
Heilig, Paul T.	Salisbury, North Carolina
*Hill, Grover C., Jr.	Beulaville, North Carolina
Hodgdon, Raymond F., III	Flushing, New York
Hughes, Emmett F., Jr.	Henderson, North Carolina
Kerley, Dennils L.	Durham, North Carolina
King, Julian W.	Kinston, North Carolina
Koszewski, Christopher	Charlotte, North Carolina
Leonard, Wendell H., Jr.	Danville, Virginia
Lewis, Albert V., Jr.	Farmville, North Carolina
Marsh, Schappi	Raleigh, North Carolina
Martin, Marvin R.	Salisbury, North Carolina
Meador, Richard E.	Greensboro, North Carolina
Newsom, James L., Jr.	Durham, North Carolina
Parsons, James F.	West Jefferson, North Carolina
Sheek, James K., III	Mocksville, North Carolina
Simpson, Jerry E.	Beulaville, North Carolina
Smale, Robert E.	Falls Church, Virginia
Smith, Wister G.	Liberty, North Carolina
Strupe, Eugene F., Jr.	Tobaccoville, North Carolina
Thomas, Jesse G.	Bethel, North Carolina
Thompson, Robert B.	Lumberton, North Carolina
Wheless, Richard W.	Raleigh, North Carolina
*Wirth, Ronald L.	Raleigh, North Carolina
Wolff, Charles S.	Raleigh, North Carolina

* Denotes Distinguished Military Student

