Seventieth

Annual Commencement

The North Carolina State College
of Agriculture and Engineering of
the University of North Carolina

Exercises of Graduation

Sunday, May 24
Nineteen Hundred and Fifty-Nine
Degrees Awarded 1958-59

1 error (corrected): page 13

MUSICAL PROGRAM

Exercises of Graduation

WILLIAM NEAL REYNOLDS COLISEUM

May 24, 1959

CONCERT, 9:30 A.M.

Jubilee Concert March ..... *Kenny*

Italian in Algiers Overture ..... *Rossini*

Gershwin Selection ..... *Gershwin*

Suite in F Major ..... *Holst*

Selection from "The Music Man" ..... *Wilson*

National Emblem March ..... *Bagley*

L'Arlesienne Suite #2, Farandole ..... *Bizet*

PROCESSIONAL, 10:00 A.M.

Grand March from Tannhaeuser ..... *Wagner*

RECESSIONAL

University Grand March ..... *Goldman*

HYMN

O God, Our Help in Ages Past ..... *Croft-Watts*

O God, our help in ages past,
Our hope for years to come,
Our shelter from the stormy blast
And our eternal home.

Before the hills in order stood,
Or earth received her frame,
From everlasting Thou art God,
To endless years the same.

O God, our help in ages past,
Our hope for years to come,
Be Thou our guard while life shall last,
And our eternal home.

THE NORTH CAROLINA STATE COLLEGE SYMPHONIC BAND
Robert A. Barnes, Conductor
Nels Leonard, Assistant Conductor

COMMENCEMENT PROGRAM

Exercises of Graduation

WILLIAM NEAL REYNOLDS COLISEUM

May 24, 1959

PROCESSIONAL, 10:00 A.M. ..... Robert A. Barnes
Director, North Carolina State College Symphonic Band

The audience is requested to remain seated during the processional.

EXERCISES OF GRADUATION, 10:30 A.M.

PRESIDING ..... Carey H. Bostian
Chancellor, North Carolina State College

INVOCATION ..... William G. Long
Assistant Coordinator of Religious Affairs

HYMN ..... "O God, Our Help in Ages Past"

SCRIPTURE READING ..... II Corinthians 4:5-10

SERMON ..... "Who is Able" ..... Carlyle Marney
Minister of the Meyers Park Baptist Church
Charlotte, North Carolina

PRAYER

ANNOUNCEMENTS

AWARDING OF GOODWIFE DIPLOMAS ..... James B. Hunt, Jr.
President of Student Government

CONFERRING OF DEGREES ..... Carey H. Bostian
Chancellor, North Carolina State College
John W. Shirley
Dean of the Faculty

Candidates for baccalaureate degrees presented by Deans of Schools. Candidates for advanced degrees presented by Walter J. Peterson, Dean, Graduate School. Candidates for honorary degrees presented by Dr. H. M. Nahikian, Chairman, Faculty Honorary Degree Committee.

REMARKS TO THE GRADUATING CLASS ..... Arron W. E. Capel, II
President, Class of 1959
William C. Friday
President, Consolidated University of North Carolina

BENEDICTION

RECESSIONAL

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

DIPLOMA PRESENTATIONS, 2:15 P.M.

School	*Dean*	*Location*
Agriculture	D. W. Colvard	College Union Ballroom
Design	H. L. Kamphoefner	307 Brooks Hall
Education	J. B. Kirkland	Coliseum
Forestry	R. J. Preston	Kilgore Hall
Textiles	M. E. Campbell	Nelson Textile Building
Engineering	J. H. Lampe	

Chemical Engineering—3114 Sussex Road
Civil Engineering—Pullen Memorial Church, 1801 Hillsboro Street
Electrical Engineering—Fairmont Methodist Church, 2501 Clark Ave.
Industrial Engineering—Holy Trinity Lutheran Church, 2723 Clark Ave.
Engineering Mathematics—111 Broughton Hall
Mechanical Engineering—West Wing College Cafeteria, Leazar Hall
Mineral Industries—242 Riddick Hall
Nuclear Engineering, Engineering Physics—541 Hertford Drive

DEGREES CONFERRED

May 24, 1959

School of Agriculture

BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOLOGICAL CHEMISTRY

‡Jo Ann Thomas ..... Spruce Pine

BACHELOR OF SCIENCE IN AGRICULTURAL ECONOMICS

John Henry Barwick ..... Grifton
Sydney Pierce Britt ..... Ayden
Daniel Wilson Carroll ..... Chapel Hill
Joseph Darrell Dail ..... Walstonburg
James Tull Hill, Jr. ..... Kinston
†Robert Lindsay Leonard ..... Lexington
†Robert Kent Mann ..... Mebane
Joseph Carson Matthews, Jr. ..... Raleigh
James Edwin Mitchell ..... Louisburg
John Roger Newby ..... Denton
Richard Gene Peacock ..... Roper
†Jerry Talmadge Willis ..... Lawndale

BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING

Donald Davis ..... High Point
Edwin Orville Finch ..... Bailey
Glen Carlton Hatcher ..... Selma
Clarence Elam Hood, Jr. ..... Newton
James Arlen Horton ..... Ahoskie
Robert Lee Royster ..... Clarksville, Va.
†Preston Eugene Sasser ..... Kinston
Ronald Ernest Sneed ..... Oxford

BACHELOR OF SCIENCE IN ANIMAL INDUSTRY

Neill William Cameron ..... Cameron
Gurney Van Frye ..... High Point
William Cansler Haynes ..... Clyde

†Honors; ‡High Honors.

James Tull Hill, Jr. — Kinston
Kenneth Lee Howe — Gastonia
Bass Utie Hyatt, Jr. — Brasstown
Larry Buckner Johnson — Sanford
William Bowling Jones, Jr. — Oxford
†Wayne Eugene Nifong — Winston-Salem
John Wilmer Parker, Jr. — Lasker
Jaime Enrique Parra — Bogota, Colombia, S. A.
Robert Waitsell Rollins — Rutherfordton
James Edward Simmons, Jr. — Enfield
David Albert Smith — Lexington
†James Irvin Smith — Winston-Salem
Kenneth Everett Vaughn — Providence, R. I.
†Jerry Talmadge Willis — Lawndale
Jimmy Luther Wooten — Walstonburg

BACHELOR OF SCIENCE IN DAIRY MANUFACTURING

William DeWitt Graham — Mount Ulla
†James Darrell Punch — Conover
John Samuel Yow — Greensboro

BACHELOR OF SCIENCE IN FIELD CROPS

†John Garland Clapp, Jr. — Greensboro
†Richard Ray Hill, Jr. — Youngsville
John Bennett Jones — White Oak
William Ross Knowles — Jamesville
William Franklin Massey — Zebulon
Austen David Merrick — Asheville
Clay Crowson Price — Taylorsville
George Broughton Spence, Jr. — Lillington
Bobby Neal Stanley — Clarendon
William Larry Whitehurst — Stokes

BACHELOR OF SCIENCE IN HORTICULTURE

Joseph Evans Dixon — Maple Hill
Thomas Odell Gilmore — Julian
Chesley McAulay Greene — Mount Gilead
†James Newton McQuay — Charlotte
†Judith Medlin — Charlotte
John Elmo Peele, III — Raleigh
Junius Lee Sales, Jr. — Asheville
Leonard Carey Tilson — Mars Hill

BACHELOR OF SCIENCE IN MECHANIZED AGRICULTURE

†Nicolas Ardito Barletta — Panama, Panama
George Stanford Bason, Jr. — Swepsonville
Sherwood Wentz Chesson — Roper
John Jasper Hamm, Jr. — Durham
Roger Zane Hart — Granite Falls
John Ronald Lindsey — Greensboro
Harold Dixon McLamb — Newton Grove
Donald Scott Morris — Fremont
Emmett Sloop Patterson — China Grove
Charles McLawhorn Whitehurst — Ayden

†Honors; ‡High Honors.

BACHELOR OF SCIENCE IN POULTRY SCIENCE

‡Don Maynard Davis ..... Earl
Jerry Matheson Morris ..... Laurinburg
†Don Spencer Robertson ..... King

BACHELOR OF SCIENCE IN RURAL SOCIOLOGY

James Wallace Roberts ..... Atkinson

BACHELOR OF SCIENCE IN SOILS

Bobby Ray Eason ..... Raleigh
Herbert Hunter Harris ..... Raleigh
‡James William Hendrix ..... Greenville
†Ralph Avery Leonard ..... Louisburg
William Marvin Smith ..... Selma
Ronnie Owen Tharrington ..... Louisburg
Tommie Hight Tharrington ..... Louisburg
Charles Richard Younts ..... Lexington

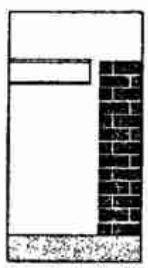
BACHELOR OF SCIENCE IN WILDLIFE CONSERVATION AND MANAGEMENT

†Frank Robert Enloe ..... Waynesville
Philip Gordon Hester ..... Roxboro
†William Hal Johnson ..... Taylorsville
‡James Franklin Parnell ..... Timmonsville, S. C.
Robert Franklin Soots, Jr. ..... Midland

BACHELOR OF SCIENCE IN ZOOLOGY

Donald Edward Johnson ..... Raleigh
Carroll Lamb Mann, III ..... Raleigh
Kenneth Ray Padgett ..... Jacksonville

School of Design



BACHELOR OF ARCHITECTURE

†Gareth Edwin Annas ..... Hudson
Arthur Ralph Cogswell, Jr. ..... Jacksonville, Fla.
George William Colvin, Jr. ..... Raleigh
Reginald Hodgin Cude ..... Greensboro

†Honors; ‡High Honors.

Ligon Broadus Flynn ..... Tryon
Ralph Lynwood Gilland ..... Charlotte
Joseph Kohn Hall ..... Greensboro
James Bennett Holliday ..... Pinetops
George Daniel Knight, Jr. ..... Norlina
James Donald Lee ..... Raleigh
William Brown Little ..... Gastonia
William Oliver Moore ..... Cleveland
Haywood Homan Newkirk ..... Wilmington
Samuel VanArsdale Noe, Jr. ..... Louisville, Ky.
Shelton Ray Peed ..... Durham
Jesse Julius Peterson, Jr. ..... Wilmington
Charles Alan Sides ..... Winston-Salem
George McCollum Smart ..... Franklin, Va.
Raymond Franklin Stainback, Jr. ..... Raleigh
Karl Dane Stuart ..... Raleigh
Sidney Swidler ..... Birmingham, Mich.
Robert Hoyle Tucker ..... Gastonia
George Warren Vaughan ..... Richmond, Va.

BACHELOR OF LANDSCAPE ARCHITECTURE

Charles Erwin Burkhead ..... Asheboro
Lindsay Wheeler Cox, Jr. ..... Winston-Salem
Jerry Mitchell Turner ..... Fayetteville

School of Education

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION

Marvin Kenneth Aycock, Jr. ..... Warrenton
†Billy Newcomb Ayscue ..... Henderson
Max Delano Briggs ..... Rural Hall
Robert Curtis Brisson ..... Tar Heel
Kirby Damon Brock ..... Wade
‡Robert Irvin Coltrane ..... Sophia
Jerry Crandel Dorman ..... Cary
Thomas Ray Fulghum ..... Wilson
Harold Gilbert Hayes ..... Elkin
Clyde Keith Hinson ..... Oakboro
†James Baxter Hunt, Jr. ..... Lucama
William Guy Lane ..... Ramseur

†Honors; ‡High Honors.

James Lewis Ledbetter ..... Morganton
†Fred William Manley ..... Reidsville
David Pete Moore ..... Wilson
Tom Adam Morgan ..... Oakboro
John Frederick Parker ..... Sunbury
William Brandon Poindexter ..... East Bend
†Albert Columbus Purvis ..... Winnebow
George Carr Richardson ..... Durham
Marcus Sharpe Turner, Jr. ..... Fair Bluff
Robert Earl Wardsworth ..... Scotland Neck
David Paul Warrick ..... Jackson
Jeffrey Wayne Weavil ..... Liberty
Bruce Hilton Webb ..... Saratoga
Herman Adams Williams ..... Wadesboro
James Dearl Williams ..... Ash
James Cliford Withers ..... Lillington
Gerald Hinton Wood ..... Raleigh
Joseph Walter Woodard, Jr. ..... Spring Hope
Clifton Lawrence Woodlief ..... Kittrell

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

Richard Everette Bailey ..... Faison
Lyle Lew Beman, Jr. ..... Charlotte
Thomas Lyndon Bennett, Jr. ..... Chattanooga, Tenn.
Chester Richard Boyd, Jr. ..... Raleigh
Howard Franklin Burns, Jr. ..... Southern Pines
Julian McElree Capps ..... Henderson
†Lloyd Laurell Carawan ..... Hobucken
Jan Morrill Cayton ..... Farmville
Robert Carl Cybrynski ..... Greensboro
Elburn Hugh Daughtry, Jr. ..... Mount Olive
Ted Alfred Edwards ..... Belmont
Benjamin Gordon Gentry, Jr. ..... Greensboro
Paul Davis Grady, III ..... Kenly
Donald Orlando Hagler ..... Bartlesville, Okla.
Larry Houston Hatley ..... Greensboro
Frank George Hickman ..... New Bern
Randall Everette Jobe ..... Greensboro
Francis Scott Key, Jr. ..... Cramerton
William Franklin Lane ..... Wilson
Ralph Gray Langley ..... Pactolus
Roy Pynes Lathrop, Jr. ..... Asheville
Willie Sherrill Lee ..... Four Oaks
Daniel Ferrel Mann ..... Manteo
James Lee Oaks ..... Aliquippa, Penna.
James Edwin Rankin ..... Greensboro
Vernon Jake Schrum ..... Raleigh
Conard Cornelius Tharpe, Jr. ..... Ronda
Johnny Benjaman Treece ..... Albemarle
Gerald Jordan Woolard ..... Plymouth

BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION

William Howard Bare ..... West Jefferson
William Rufus Barnes ..... Coats
Donald Raeford Blalock ..... Angier
Horace Richard Elzey ..... Creston
Charles Earl Green ..... Asheville

†Honors

Harvey Gray Hancock — Winston-Salem
Robert Ralph Jones, Jr. — Laurinburg
Harry Motte Timmons — Charlotte
Larry Wayne Watson — Sanford

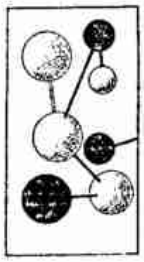
BACHELOR OF SCIENCE IN RECREATION AND PARK ADMINISTRATION

Peter Anthony Bazanos — Staten Island, N. Y.
Clarence Willard Britt — Roxboro
Jimmy Harold Crain — Salinas, Calif.
Larry Mitchell Dixon — Washington
Ernest Paul Driscoll — Pittsburgh, Penna.
Richard Dennis Fadgen — Woonsocket, R. I.
Albert Dean Fox — Raleigh
James Rogers Jernigan — Raleigh
Tommie Kemp Lewis — Raleigh
*David Stuart McIntyre — Pawtucket, R. I.
Frank John Merchel, Jr. — Pawtucket, R. I.
†Harold August Olsen — Wilmington
Robin Turner O'Neal — Middlesex
Ernest William Pangle — Rosman
Joseph Christy Rodri — Downington, Penna.
Ronald Lewis Savage — Chincoteague, Va.
†Jack Barker Thomas — Rocky Mount
Kennard Shields Trowbridge, Jr. — Plymouth
James Leo Tutterow — Burlington

BACHELOR OF SCIENCE IN SCIENCE EDUCATION

Lehman Wilder Barnes, Jr. — Smithfield
Barbara Nell Burkett — Morganton
Isaac Adams Jones, Jr. — Charlotte
Bettie Lois Fields Lanier — Rose Hill
Frank Bacon Trotman — Haddonfield, N. J.

School of Engineering



BACHELOR OF SCIENCE IN CERAMIC ENGINEERING

Reuben Bell Arthur, Jr. — Greensboro
James Larry Huntley — Charlotte
‡Richard Horace Redwine — Rural Hall

†Honors; ‡High Honors; *In Absentia.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

‡George William Adkins	Winston-Salem
Leard Bernard Bledsoe, Jr.	Raleigh
Howard Marshall Brittain	Wilmington
Donald Jack Burchette	Hamptonville
Thomas Paul Curtin	Raleigh
Joseph Harold Eckerd	Marion
Philip Gaines	New Britain, Conn.
Gustavo Alberto Gomez Casco	Managua, Nicaragua
†Charles McDonald Hagwood	Younsville
William Giles Jones	Pine Hall
Joseph Donald Keen	Goldsboro
James Judson Piver	Hampstead
Stephen Early Stout	Durham
Richard Douglas Stover	Gastonia
Osmyn Orlando Tesh, Jr.	Winston-Salem
Arthur Bernhardt Weisser	Cresskill, N. J.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Joseph William Adams	New Castle, Del.
John Robinson Anderson	Guilford College
William Stanford Baker	Durham
Donald Ray Barnes	Wilson
Terry Wayne Blankinship	Lynchburg, Va.
Billy Bernard Britt	Raleigh
†David Shelton Brown	Davidson
Charles Hugh Bryant	Yadkinville
Robert Paul Buchanan, Jr.	Yadkinville
Charles Stewart Burgess	Havelock
James Robert Campbell	Hickory
†Mason Riley Chrisman	Charlotte
John Douglas Clark	Charlotte
Hugh Malen Creed	Mount Airy
Billy Bryson Davis	Sylva
Hubert Deal, Jr.	Marshall
Willis Robert Deaton	Cornelius
Ernest Noland Donahoe, Jr.	Fredericksburg, Va.
Edwin Ray Edwards	Newton Grove
Joseph Lister Etheridge	Elizabeth City
Curtis Raeford Eure	Gatesville
Junius Virgil Fisher, Jr.	Charlotte
Bobbie Eugene Freeze	Mooresville
John Barnum Garland	Matthews
Ray Howard Gorman	Shelby
Layton Herbert Gunter, Jr.	Graham
Wilfred Allen Hammond	Farmer
William Robert Harding	Chocowinity
Hurley Leon Harward	Elizabeth City
†Joe Bennett Hennings	East Bend
Charles Samuel Hicks	Newland
‡Joseph Glasgow Howe	Hendersonville
William Avery Huneycutt	Albemarle
James Richard Hutchinson	Morven
John Douglas Inman	Pilot Mountain
Roy Braxton James	Faison

†Honors; ‡High Honors.

*Jimmy Yates Joyner ..... Zebulon
†William Byrd Kay, Jr. ..... Red Springs
Larry Stevenson Kerr ..... Mooresville
William Everette Kivett ..... Ramseur
Chairman Donald Loflin ..... Roanoke Rapids
William Porter Lowdermilk ..... Greensboro
Thomas Robert Lyons, Jr. ..... Wilmington
Kenneth Edgar McFadden ..... Greensboro
Randolph DeWitt McIver ..... Wilmington
‡Fredrick Lane Moreadith ..... Raleigh
R. V. Moss ..... Raleigh
Lee Irvin Northcutt ..... Raleigh
Austin Andrew Owen ..... Elizabethtown
Walton Johnson Page ..... Raleigh
George Stephen Parrish ..... Henderson
George Rowland Parrott ..... Raleigh
Ronald Floyd Pearson ..... Asheville
Donald Page Pollock ..... Kinston
Lonnie Craven Poole, Jr. ..... Garner
Eugene Thomas Reynolds ..... Franklinville
†Donald Robert Rummler ..... Cheraw
Winfford Denver Rupard ..... Statesville
Kenneth Eugene Russ ..... Burgaw
George Colon Sasser ..... Goldsboro
Frank Salvator Scarpa ..... Vineland, N. J.
Ward Leavern Setzer ..... Lenoir
Wesley Edward Shaw ..... Monroe
Richard Francis Smith ..... Roanoke Rapids
Luther Earl Stegall ..... Norlina
†Albert Earl Stone, Jr. ..... Carlisle, S. C.
†Paschal Ward Swann ..... Statesville
David Ray Taylor ..... Zebulon
†Kenneth Ray Taylor ..... Faison
James Arnold Warren ..... Statesville
William Johnson Watson ..... Fayetteville
George Edgar Wells ..... Henderson
Zebulon Royce Woodall ..... Benson
Joseph Louis Yates ..... Raleigh

BACHELOR OF SCIENCE IN CIVIL ENGINEERING, CONSTRUCTION OPTION

†Phillip Ray Ball ..... Fuquay Springs
Shelton Ray Collier ..... Norfolk, Va.
Claude Parker Day, Jr. ..... Charlotte
Bachman Doar, Jr. ..... Jacksonville
Samuel James Ellen, Jr. ..... Rocky Mount
Carroll David Harris ..... Asheville
Richard McEuen Harvey ..... Wilson
William Hayes Harwell ..... Concord
†David Bright Hilburn, Jr. ..... Bladenboro
Verner Nicholson Jordan, Jr. ..... Charlotte
Douglas Melvin Jurney ..... Harmony
Sherrill Glenn Laney ..... Kannapolis
Jimmy Dale Lee ..... Oakboro
William Asbury Littlejohn ..... Winston-Salem
†James Stanley Massey ..... Winston-Salem
‡Arthur Edward Nivison ..... Raleigh

†Honors; ‡High Honors.

*In Absentia

Doran Royal Pace, Jr. — Sumter, S. C.
†Norman Hagelberg Perry — Durham
Thomas Anthony Saieed — Greenville
Norman Gilbert Samet — High Point
Coy Edgar Shields — Winston-Salem
Gaston Franklin Smith, Jr. — Asheville
Ray Thornton Stuart — Rochester, N. H.
Ben Carolyn Treece — Charlotte
John William Watkins — Rockingham

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Asghar Ali — Lyallpur, West Pakistan
†Robert William Ausband — Winston-Salem
Richard Phillip Ballard — South Hill, Va.
Benjamin Clark Boren, Jr. — Siler City
‡James Franklin Bost — Belmont
Nelson Algernon Bradley — Asheville
Malcolm Vernon Britt — Garner
Claude Matthews Broome — Raleigh
†James Newton Brown, Jr. — Madison
John Gilbert Buckner — Siler City
John Bullock — Henderson
John Trent Bunn — Charlotte
Watson Lee Burts — Greenville, S. C.
†Rex Cornelius Campbell — Statesville
†Donald Ray Canady — Washington
James Charles Carroll — Mount Olive
Hugh Clarence Carson — Danville, Va.
†James Owen Chatham — Winston-Salem
†Reginald Morgan Cilvik — Wilmington
Donald Nesbitt Cox — Raleigh
Daniel Gay Crouch — Asheville
Gwyn Norman Crump — Hickory
†Robert Nicholas Cullis — Southport
William Lee Daniels, Jr. — Durham
Leonard Franklin Dean — Oxford
Brian Mahon Deely, Jr. — New Rochelle, N. Y.
Bobby Howard Dillingham — Cliffside
†Richard Allison Dobyns, Jr. — Dublin, Va.
James Curtis Dupree — Smithfield
‡William Taylor Easter — Winston-Salem
Carl Arthur Ebhardt — Greensboro
Darrell Joe Eudy — Charlotte
Lynn Wade Eury — New London
William Ernest Evans — Murfreesboro
†Carl Andrew Everleigh, Jr. — Lumberton
†Thomas Aquinas Feeley — Brooklyn, N. Y.
William Person Fitts — Littleton
Hugh Larry Fletcher — Asheville
Roger Marcus Flowers — Statesville
~~Walker~~ Kemp Forehand — South Mills
Ernest Mason Friar, Jr. — Tarboro
Bobby Lee Fuller — Durham
William Franklin Funderburk — Kannapolis
William George Gaither, Jr. — Statesville
James Donald Gardner — Mount Airy
Charles Herbert Gill — Charlotte

†Honors; ‡High Honors.

Otis Edwin Goad, Jr. — Mount Airy
Floyd Edwin Goodnight — Concord
William Hugh Gray — Supply
Richard Edward Green — Waynesville
†William Frederick Grieder — Naugatuck, Conn.
Charles Roy Griffin, Jr. — Pinetops
†James Allen Hall — Halifax, Va.
‡Walter Clyde Harkins — Valparaiso, Fla.
‡Willis Harold Harper — Rocky Mount
Horace Leon Hill — Shelby
‡Jerry Lloyd Hinshaw — Greensboro
Forney Moore Hoke, Jr. — Havelock
James Nisbet Hoover — Bostic
William Elijah Horton — Roxboro
†George Walter Hoyle — Newton
Arlen Gladstone Hudson — Mount Olive
‡Frank Robert Huff — Peekskill, N. Y.
†Ralph Edward Huffman, Jr. — Charlotte
George Eugene Hunsucker, Jr. — Belmont
Richard Willis Ivey — Wilmington
‡William Thomas Joines — Moravian Falls
Wayne Douglas Keller — Lenoir
Ernest Cecil Kelly — Hamlet
Paul Omer Kelly — Newport
James Thomas Knight — Charlotte
†William Jeral Laughton, Jr. — Morehead City
Hugh Donald Lawing — Marion
†John Steven Ledbetter — Rockingham
‡Lee Orville Leonard — Douglas, Wyo.
†John Henderson Lippard, Jr. — Cleveland
William Francis Lippard — Greensboro
†Fred Oscar Little, Jr. — Hickory
†Thomas B. Long, Jr. — Winston-Salem
†George Suell Lyda — Asheville
Merrill Payne McGavran — Chapel Hill
‡Thomas Franklin McIntosh — Mount Holly
†Ernest Penn McKnight — Winston-Salem
†Hugh Morris McKnight — Winston-Salem
William Dedmond McMurray — Forest City
Paul Lee Madren, Jr. — Ossipee
Albert Herr Maxwell, Jr. — Morganton
Raymond James Melvin, Jr. — Durham
Larry Joe Micol — Valdese
†James Carlton Miller — West Jefferson
Arnold Gray Moore — King
†David Robert Moore — Madison
Guy Maxwell Moser, Jr. — Charlotte
Andrew Wiley Murdoch — Wildwood
Maurice Talmadge Murray — Asheville
Donald Welch Norman — Mount Airy
Virgeon Alvin Pace, Jr. — Spring Hope
James Clifton Phelps — Winston-Salem
John Chadwick Rogers — High Point
Lonnie Joe Rogers — Bear Grass
Thomas Hardy Rothrock, Jr. — Raleigh
†Forrest David Rudisill — Lincolnton
†William Carlos Sain — Statesville
William Ferrell Sanders, Jr. — Badin
‡Paul Eugene Scarborough, Jr. — Statesville

†Honors; ‡High Honors.

†James Ray Schofield ..... Bessemer City
†Walter Ramon Seamon ..... Graham
Robert Thomas Seay ..... Bryson City
Merriman Staton Sholar ..... Charlotte
Paul Wesley Shores ..... Greensboro
Donald Harvey Somerville ..... Plymouth
†John Alexander Sprinkle, Jr. ..... Winston-Salem
Linwood Waddell Stancil, Jr. ..... Newport News, Va.
†Glenn Edward Stirewalt ..... China Grove
†Joe Terry Swaim ..... Winston-Salem
David Leroy Swaringen ..... Albemarle
James Edward Swing ..... Cliffside
‡David Boyce Teague ..... Granite Falls
Robert LeRoy Thornburg ..... Gastonia
Charles McKinney Vogler ..... Mount Airy
†Fenton Gene Walker ..... San Bernadino, Calif.
Jesse Wade White ..... Winston-Salem
Kenneth Norman White ..... Winston-Salem
‡Richard Norwood Whitman ..... Winston-Salem
†Henry Harrison Woodard ..... Scotland Neck

BACHELOR OF SCIENCE IN ENGINEERING MATHEMATICS

†Carlton Walker Duke, Jr. ..... Norlina
Carlton Leroy Garner, Jr. ..... Raleigh
†Henry Horace Gatewood ..... Winston-Salem
William Thomas James, Jr. ..... Asheville
Russell Edward Jordan, Jr. ..... High Point
†John Steven Ledbetter ..... Rockingham
†Douglas Eugene Lingle ..... Faith
†Robert Allen Morrow, Jr. ..... Monroe
†Nancy Elizabeth Mumford ..... Raleigh
John Chadwick Rogers ..... High Point
Joseph Alfred Steinborn ..... Raleigh
†Fred Toney, Jr. ..... Mooresboro
Dorothy Dean Walker ..... Burlington
Garland Glenn Warren, Jr. ..... Mount Airy
Stevie Mike Yionoulis ..... Wilson

BACHELOR OF SCIENCE IN ENGINEERING PHYSICS

†Peter Roman Antoniewicz ..... Salisbury
‡James William Byrd ..... Mount Olive
‡William Johnston Cocke, III ..... Asheville
John Robert Dawson, Jr. ..... Hampton, Va.
Neil Douglas Hart ..... Kinston
Charles Van Buren Peele ..... Goldsboro
Donald Dean Tomlin, Jr. ..... Chattanooga, Tenn.

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

Max Elam Baldwin ..... Ramseur
Graham Wilson Bostick ..... Raleigh
John Spencer Conway ..... Lenoir
†Homer Lee Jenkins ..... Raleigh
Charles Marvin Lofland ..... Conover

†Honors; ‡High Honors.

Bobby Ray McDowell — High Point
Frank Andrew Mills, Jr. — Statesville
Riley Evan Mitchell — Toccoa, Ga.
James Dewey Reavis — Winston-Salem
Peter Paul Schelansky — Raleigh

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

†Frank Mallard Alley, Jr. — King
Gerald David Batts — Hampstead
James Henry Clippard, Jr. — Charlotte
Orren Edwards Dowd, Jr. — Greenville
Charles Holt Garrison — Haw River
Jere Lott LeGwin — Wilmington
Joseph Emerson Maddox, Jr. — Gastonia
Harold David Meyer — Gerton

BACHELOR OF SCIENCE IN HEATING AND AIR CONDITIONING

Stacy Olive Barbour — Benson
Daniel Webster Brattain, Jr. — Oakboro
Alexander Bunn Denson — Whitakers
Thomas Kilby Faison, Jr. — Faison
Douglas Leroy Gunnell — Portsmouth, Va.
Walter William Hamilton — Gastonia
†Orazio Torre Leone — Colon, Panama
Marshall Edward Miller, Jr. — Concord
Hart Lanneau Norwood — Winston-Salem
Norwood Keith Oates — Albertson
Kenneth Norman Sisk — Asheville
Craig J. Smith, Jr. — Albemarle
Percy Lewis Dryer Thackston — Spartanburg, S. C.
Willie Lee Thompson, Jr. — Laurinburg

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Carroll Glenwood Allen — Farmville
George Calvin Allen, Jr. — Lumberton
Walter Orion Barnhill — Wilson
Edgar Ray Bond, Jr. — Greensboro
†John Carl Borg — Winston-Salem
Ralph Randle Boswell — Fairfax, Va.
Walter Donald Brock — Salisbury
Elwin James Buchanan, Jr. — Sanford
Franklin Bromley Cartmel — Pleasantville, N. Y.
Frank Wilfred Croft — Cherry Point
Thomas Willis Davis — Beaufort
Warren Paul Denise — Goldsboro
William Casper Farner — Morganton
Victor Emerson Glenn, II — Durham
Robert Baird Godley — Wilmington
Ramon Salvador Gomez-Bello — Mantanzas, Cuba
Herman Curtis Gunter — Fuquay Springs
Russell Eugene Hassell, Jr. — Jamestown
Malcolm LaRoy Herring — Wilson
Charles Henry Hill — Kinston
Alfred William Houtz, Jr. — Elizabeth City
John Edwin Jones — Hickory
Lester James LaSure, Jr. — Wilmington
John Witherspoon Montgomery — Statesville

†Honors

Melvin Kenneth Morris ..... Richfield
Edward deMilhau Nicholson ..... Southern Pines
Harold Lee Nicholson ..... Greensboro
Vernon Dougal Niven, Jr. ..... Charlotte
Manuel Arturo Nunez-Diaz ..... Cayey, Puerto Rico
Karl Max Parrish ..... Gastonia
Jere Pearsall ..... Holly Springs
Victor Douglas Rackley ..... Sharpsburg
Michael Bruce Rowe ..... Hickory
Xen Nicholas Sideris ..... Greenville
†Eugene Edward Smith ..... Greensboro
William Robert Stromsoe ..... Wilmington
Billy Keith Teague ..... Wilmington
James Burton Thompson ..... New Bern
William Lamont Tripp ..... Kinston
Milton Everette Ussery ..... Fairmont
Wilson Cary Whitaker ..... Enfield
Larry Kelly Wilson ..... Burlington
Henry Jerome Young, III ..... Statesville

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Rorer James Adkins, Jr. ..... Draper
Donald Wayne Almond ..... Albemarle
†Carl Woodliffe Anderson, Jr. ..... Ramseur
Donald Henry Anderson ..... Winston-Salem
John Samuel Austin ..... Taylorsville
Stacy Maurice Autry ..... Clinton
Leon Waverley Bailey, Jr. ..... Charlotte
Max Norris Baker ..... King
Ray Herbert Ballenger ..... Wilson
Rolin Farrar Barrett ..... Raleigh
†Floyd Lee Basnight ..... Mashoes
James Albert Bass, Jr. ..... Wilson
†Robert Earle Beasley ..... Salisbury
Guy Mack Beaver ..... Greensboro
William Franklin Bell, III ..... Raleigh
Fred Douglas Biddy ..... Charlotte
Peter Wilson Blum, III ..... Winston-Salem
James William Braswell ..... Princeton
†George Washington Brown ..... Raleigh
Homer Scott Brown ..... Micro
Roderick Burton Brown ..... Ashford
†Harold Gene Bush ..... Albemarle
James Morgan Campbell ..... Elizabethtown
Roy Howard Campbell, Jr. ..... Salisbury
Max Lee Cardell ..... Marion
John Brooks Carter ..... Clyde
†Larry Lee Carter ..... Winston-Salem
Nereus William Chappell, Jr. ..... Belvidere
Richard Edwin Clapp ..... Siler City
†Douglas Copeland Clark ..... Winston-Salem
Osborne Clark Davis ..... Davis
Charles Royce Dixon ..... Siler City
Joseph Addison Du Bois, Jr. ..... Morehead City
Bobby Yates Emory ..... Raleigh
Robert Glenn Eudy ..... Albemarle
Roy Edward Fisher, II ..... Greensboro
†Donald Lee Garren ..... Winston-Salem
Joe Cornwell Gettys ..... Shelby

†Honors

Eugene Levan Griffin, Jr.	Charlotte
Dewey Maurice Griffith	Greenville
Wendell Lee Guth	Elkin
‡James Henry Gwaltney	Durham
Walter William Hamilton	Gastonia
‡Roy Lee Harrington	Concord
Claude Morris Harris, Jr.	Biltmore
†Franklin Delano Hart	Angier
Donald Lee Harton	Raleigh
Winfred Allan Heath	Kinston
William Dean Henderson	Winston-Salem
Amos Brooks Henley	Linville
George Edwin Hedrick, Jr.	High Point
Larry David Hoke	Hickory
Richard Slater Hoskins	New York, N. Y.
Joseph King Ingram	Badin
Frank Charles Jenkins	Norwood, Penna.
Joseph Walters Jones	Hickory
Darrell Brown Kelly	Lillington
Walter Robert Kepley, Jr.	Salisbury
William Ross Kimball	China Grove
‡William Henry Kirk	Asheville
Gene Farrell Kizziah	Burlington
James Daniel Lassiter	Clayton
Mumford Clydell Love, Jr.	Concord
†Robert Lamont McDonald	Goldsboro
Don Pace Manning	Greenville
Richard Wesley Matthews	Greensboro
†James Reginald Maus, Jr.	Greensboro
‡Crawford Russell Meeks, Jr.	Winston-Salem
Richard Martin Meyers	Great Neck, N. Y.
William Hugh Miller	Boone
Franklin Herbert Mitchell, Jr.	Charlotte
†Glenn Hugh Moore	Gastonia
Ray Edward Morgan	Asheville
James Monroe Motzinger	High Point
Milo Ervin Owens	Kansas City, Mo.
James Ray Park	Salisbury
Ray Edward Pope	Hickory
*Andrew Jay Proescher, III	Cary
William Albert Raines	Wilmington
Leonard Carl Ramey	Rockingham
Philip Marion Rothrock	Winston-Salem
Paul Edward Rummage	Mooresville
James Edward Shepherd, Jr.	Louisville
Donald Alfred Sloan	Olin
Frederick William Smith	Winston-Salem
Charles Edwin Snyder	Winston-Salem
William Lee Strum	Rocky Mount
Thomas Flake Talbert, Jr.	Spencer
†James Elvey Thomas, Jr.	Raleigh
William Franklin Tillett	Timberlake
Robert Ray Tilson	Burnsville
Henry Lansing Tucker, Jr.	Townsville
Willie Eugene Underwood	Waynesville
James Neal Untz	Belmont
Robert Alan Vogler	Winston-Salem
Harold Jennings Wall	Winston-Salem
James Lonnie Ward	Badin
Thomas Cauley Warren	Horseshoe

†Honors; ‡High Honors.
*In absentia.

John Edward Watts ..... Charlotte
Ralph Pearson Williams ..... Asheville
†Robert Lee Williams ..... Shelby
Claude Ross Zachary, Jr. ..... Charlotte

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, AERONAUTICAL OPTION

James Monroe Alexander ..... Charlotte
Wesley Eugene Annas ..... Granite Falls
Thomas Cosby Batte ..... Statesville
†Harold Drew Beck ..... Sanford
Charles Carson Correll, Jr. ..... Raleigh
Philip Maurice Deans ..... Wilson
Richard Eppes, Jr. ..... Hopewell, Va.
†Robert Earl Ernull ..... New Bern
‡John Edward Fletcher ..... Marion
Wiley Chester Forrest, Jr. ..... Kinston
†William Frederick Grieder ..... Naugatuck, Conn.
Joseph Lauriston Hannah ..... Waynesville
James Kirby Hinson ..... Wadesboro
Emmitt Melvin Honeycutt, Jr. ..... Fayetteville
Charles Douglas Jeffreys ..... Raleigh
‡Charles Borden Johnson ..... Raleigh
Henry Leland Kelley ..... Newport News, Va.
†Walter Bernard Kerr ..... Kannapolis
†Edgar Columbus Lineberry, Jr. ..... Sanford
Elbert Clifton Meares ..... Gloucester
†Victor Eugene Morrow ..... Burnsville
Garland Frank Pierce ..... Southern Pines
†James LeRoy Raper ..... Thomasville
Benjamin Christopher Rush ..... Star
George Walter Scott ..... Elizabeth City
†John Nicholas John Sideris ..... Greenville
Joseph Knight Spiers ..... Tarboro
Jack Houston Sullivan ..... Thomasville
†Richard Edward Turner ..... Wadesboro
Charles Richard Vause ..... Rutherfordton
‡James Andrew Williams ..... Lumberton
‡Robert Reid Womack ..... Franklin

BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

Robert Lee Barnhardt ..... Phoenixville, Penna.
‡William Christopher Remini ..... New York, N. Y.
Frederick Myers Scott, III ..... Jacksonville
†Othman Skiredj ..... Fez, Morocco
Bennie Ray Ward, Jr. ..... Elkin

BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

†Henry Foust Atwater ..... Burlington
Richard Hunt Burgess ..... Dumont, N. J.
Harold Bozeman Carter, Jr. ..... Charlotte
Jerry Anderson Church ..... Valdese
†Kenneth Eugene Elliott ..... Black Mountain
William Edward Ellis, Jr. ..... Arlington, Va.
David Neil Ferguson ..... Gastonia

†Honors; ‡High Honors.

John Wesley Folsom ..... Newport News, Va.
†Critz Horton George ..... Raleigh
†Lawrence Harris, Jr. ..... Wake Forest
†Billy Joe Henderson ..... Texarkana, Tex.
Jimmy Ray Jacumin ..... Rutherford College
Edward Dickson Kendrick, Jr. ..... Fallston
Theodore Allen Kincaid ..... Morganton
†Charles Klem Lombard ..... Raleigh
Robert Michael McAdams ..... Burlington
Erbie William Mangum, Jr. ..... Durham
‡Richard Boyden Park ..... Raleigh
†Carl Murray Penney ..... Newport News, Va.
‡William Christopher Remini ..... New York, N. Y.
†Bernard Joseph Rock ..... Hickory
‡Luther Carlton Salter, Jr. ..... Sheffield, Ala.
Milton James Stephens, Jr. ..... Erwin
†Leonidas Dacosta Stephenson, Jr. ..... Raleigh
‡Clarence Otto Thornburg, Jr. ..... Dallas
James Andrew Williams ..... Charlotte
†Robert McFarland Woodside ..... Staunton, Va.
Paul William Wright, Jr. ..... Charlotte
‡Thomas Fulton Wyke ..... Shelby

School of Forestry

BACHELOR OF SCIENCE IN FOREST MANAGEMENT

Leon DeCastro Bonner, Jr. ..... Aurora
Weldon Clinton Capps ..... Warrenton
Walter James Coker, Jr. ..... Roanoke Rapids
Robert Lee Cooke ..... Asheville
Thomas Paul Davis ..... Shelby
Joseph Oliver Cromwell Dodge ..... Niagara Falls, N. Y.
John Gerome Formy-Duval, II ..... Whiteville
†Edward Lee Gibbon ..... Richmond, Va.
Richard Olmstead Gilbert ..... Wilton, Conn.
Phillip Dean Glass ..... Carlisle, Ohio
Stewart Warren Gregg ..... Lenoir
Thomas Preston Lennon ..... Anderson, S. C.
John Hebron Lively, Jr. ..... Tampa, Fla.
Hugh McColl Lupold ..... Columbia, S. C.
Robert Lynwood Mattocks, II ..... Maysville
Otis Cleveland Morgan ..... Candler
James King Morton, Jr. ..... Knoxville, Tenn.
†Edwin Gip Owens ..... Cleveland
Joseph David Plowman ..... Albemarle
†Dane Roten ..... West Jefferson

† Honors; ‡ High Honors.

David Howard Scanlon, III ..... Durham
‡Roy Wesley Stonecypher ..... Raleigh
†Jack Carroll Sturgill ..... Norton, Va.
Kenneth Osborn Summerville ..... Charlotte
‡Leon Bruce Sumner ..... Asheville
†Christopher Alan Tabor ..... Baltimore, Md.
†Thomas Walker ..... Clayton, Ohio
Richard Vanneman Welch ..... Greensboro

BACHELOR OF SCIENCE IN PULP AND PAPER TECHNOLOGY

Lawrence Peter Bauer, Jr. ..... Georgetown, S. C.
Richard Joseph Bickel ..... Easton, Penna.
George Hutaff McEachern ..... Wilmington
Marcus Allen Mulkey ..... Raleigh
Ernest Lewis Ross ..... Cleveland, Tenn.
†William Andrew Schul, Jr. ..... Hamilton, Ohio
Jacob Joyner Thigpen, Jr. ..... Dudley
†John Lewis West ..... Georgetown, S. C.

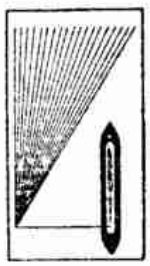
BACHELOR OF SCIENCE IN WOOD PRODUCTS MERCHANDISING

Gary Franklin Dozier ..... Raleigh
Edward Vance Griffin, Jr. ..... Nashville
Jessie Kessller Russell ..... Richlands, Va.
Thomas Larry Summer ..... Cherryville
David Val Woolf ..... Far Rockaway, N. Y.

BACHELOR OF SCIENCE IN WOOD TECHNOLOGY

Leroy Beasley, Jr. ..... Wilmington
†John Amzey Brown ..... Spruce Pine
Donald George Jackson ..... Black Mountain
Howard Charles Tibbals ..... Oneida, Tenn.

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

†Preston Gwyn Baker, Jr. ..... Drexel
‡Eddie Max Barringer ..... Maiden
Hugh Clements Bennett, Jr. ..... Raleigh
Willie Lee Hodge ..... Rutherfordton

†Honors; ‡High Honors.

Edward Paul Hordubay ..... Windber, Penna.
Carle Woodruff Mason, Jr. ..... Charlotte
†John Wesley Nix ..... Rutherfordton
Ashok Himatlal Sanghavi ..... Bombay, India
Mark Richard Schiff ..... New Hyde Park, N. Y.
Daniel Deward Ward ..... Raleigh
Frederick Michael Warlick, Jr. ..... Salisbury
†Ibrahim Yuceyar ..... Bursa, Turkey

BACHELOR OF SCIENCE IN TEXTILES

Robert Acra ..... Port-au-Prince, Haiti
†John Oliver Blevins ..... Kinston
William Jordan Boone, Jr. ..... Gates
†Willie Charles Bowen ..... Rockingham
Arron William Elijah Capel, II ..... Troy
James Maston Chambers, Jr. ..... Raleigh
Eugene Douglas Connell ..... Spencer
Robert Mignerey Cushman ..... Southern Pines
Charles Kenneth Cutts, Jr. ..... Stovall
Robert Ernest Davis ..... Thomasville
Bryson Talmon Dickerson ..... Oxford
‡Martin Boger Foil, Jr. ..... Concord
Ben Gay Futrell ..... Rocky Mount
Barry Lee Gomborov ..... Baltimore, Md.
Bruce Thomas Hainley ..... Schuylkill Haven, Penna.
‡Charles Wayne Hammer ..... Siler City
†James Austin Henson ..... Forest City
Ahmed Afif Hilal ..... Aleppo, Syria
Ben Avery Hudson ..... Kings Mountain
Bennie Max Jenks ..... Wake Forest
Paul Reuben Jones ..... Spindale
Tibor Juhasz ..... Raleigh
†Charlie Kaw ..... Rangoon, Burma
Hurdle Haywood Lea, Jr. ..... Jamestown
Carol James Leatherman ..... Newton
Victor Eugene Lockey ..... Charlotte
Thomas Kerr Moore, Jr. ..... Charlotte
Charles Ossie Nixon, Jr. ..... Cramerton
Peter Friedrich Nohl ..... Tyrol, Austria
Aydogan Okay ..... Ankara, Turkey
William Barham Porter, Jr. ..... Washington
Wills Pinkney Rodgers, Jr. ..... Franklinville
Larry Lynn Rogers ..... Lake View, S. C.
David Wallace Ryan ..... Greensboro
Issam Mohd. Nadim Sammakia ..... Alexandria, Egypt
Carlos Felipe Sanchez Gallegos ..... Lima, Peru
David Leroy Saunders ..... Charlotte
Robert Schuster ..... Hillside, N. J.
Lemuel Darr Shealy, Jr. ..... Thomasville
Michael Davis Solomon ..... Brooklyn, N. Y.
Thomas Glenn Sparrow ..... Gastonia

† Honors; ‡ High Honors.

Peter Meinrad Thoma ..... Fitchburg, Mass.
David Arthur Tousignant ..... Wilmington
Paul Elwood Tyndall ..... Albertson
Jaime Varon Eskenazi ..... Lima, Peru
Raymond Thomas Weldon, Jr. ..... Henderson
Eddie Campbell Wilkes ..... Asheboro

Professional Degrees

ELECTRICAL ENGINEER

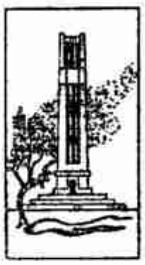
Samuel Merral Moss ..... Raleigh
*Ittipon Padunchewit ..... Thonburi, Thailand

MECHANICAL ENGINEER

Clyde Edward Richardson, Jr. ..... Thomasville
Floyd Davis Turnage, Jr. ..... Fountain

Master's Degrees

May 24, 1959



MASTER OF AGRICULTURE

*Elisha Cureton Abrams ..... Bennetsville, S. C.
Satish Chandra Anand ..... New Delhi, India
Mohamed Rashad Abdelaziz Ghazi ..... Giza, Egypt
*Franklin Mace Kearse ..... Florence, S. C.

MASTER OF AGRICULTURAL EDUCATION

English Jones ..... Pembroke

MASTER OF FORESTRY

Edward Ray Smith ..... Raleigh

*In Absentia

MASTER OF OCCUPATIONAL INFORMATION AND GUIDANCE

John Wesley Smith ..... Ash

MASTER OF SCIENCE

Department of Agricultural Economics

*John Henry Droge ..... Seneca, Kans.
Dewey Gilbert Harwood, Jr. ..... Albemarle
*Shoji Kayashima ..... Kyoto, Japan
Thomas Everett Nichols, Jr. ..... Raleigh

Department of Animal Industry

James Walker Brown, Jr. ..... Hampshire, Tenn.
John Hayes Gregory ..... Franklin
*Joseph Thomas Judd ..... Nashville, Tenn.
Jerry Wesley Young ..... Mulberry, Tenn.

Department of Chemistry

Clifton Roosevelt Ammons, Jr. ..... Lillington

Department of Entomology

Ronald L. Baron ..... New York, N. Y.

Department of Poultry Science

Ned Rash ..... West Jefferson

Department of Occupational Information and Guidance

Parks Ray Goodnight ..... Kannapolis
Linwood Earl Jennings, Jr. ..... Elizabeth City
William Bryan Waters ..... Bath

Department of Psychology

*James Pierce Jenkins ..... Savannah, Ga.

Department of Civil Engineering

Glenn Edward McChristian ..... Fayetteville, Ark.
Charles Grayson Willard ..... High Point

Department of Electrical Engineering

*K. R. Gopala Krishna Iyengar ..... Bangalore, India
Hannis Woodson Thompson, Jr. ..... Raleigh
Wesley Doane Thrash ..... Petroleum, W. Va.

Department of Industrial Engineering

William Dennis Lawing, Jr. ..... Charlotte

Department of Mathematics

Peter Dewey Burgess ..... Elizabeth City
Billy Doyne Harrison ..... Vian, Okla.
*Robert Richard Miller ..... Albemarle
Bobby Emerson Phillips ..... Bakersville
Edward Joseph Siegrist, Jr. ..... Lynchburg, Va.

Department of Mechanical Engineering

Edgar Reid Cobb ..... Burlington
Leonidas Simeon Tzentis ..... Istanbul, Turkey

*In Absentia

Department of Mineral Industries

Moses Paul Davis, Jr. ..... Sanford
*Ransom Southerland Harris, Jr. ..... Raleigh

Department of Physics

Edward Lee Arnold ..... La Coste, Tex.
David Ernest Bailey ..... Southern Pines
Dimitrios Cokinos ..... New York, N. Y.
Linus Kwang Riul Han ..... Seoul, Korea
Philip Edward Novak ..... Chicago, Ill.
Fred Griffith Welfare ..... Clemmons
*Wendell Sterling Winn ..... Columbia, Mo.

SCHOOL OF TEXTILES

*Sevantilal Shantilal Kapashi ..... Bombay, India
*Leonard Robert Lefkowitz ..... Troy, N. Y.
Edward Lenard McLeod ..... Mobile, Ala.
Anantharam Narayana Rao ..... Bangalore, India
Stephen Z-K Sung ..... Hong Kong, China

Doctor of Philosophy Degrees

William Hatch Davis, Field Crops
Dissertation: Quantitative inheritance studies on protein, texture and yield in segregating populations of soft red winter wheat.

Charles Edgar Dean, Field Crops
Dissertation: The relationship between carbohydrate level and root development of tobacco transplants and the effect of some plant bed treatments on these factors.

Howard Ernest Erdman, Genetics
Dissertation: Radiobiological analysis of sterility and lethality induced when electromagnetic irradiations are an environmental factor during significant life cycle stages of *Habrobracon juglandis* (Ashmead).

Max Edwin Gregory, Animal Industry
Dissertation: Mathematical techniques for evaluating labor utilization in dairy plant operations.

Charles Henry Hendershott, Jr., Botany
Dissertation: The growth-promoting and inhibiting substances in resting peach flower buds.

Arvel Hatch Hunter, Soils
Dissertation: The reaction of cyanide in soils and its effect on the growth and ion uptake of corn.

Hilliard Jackson, Agricultural Economics
Dissertation: Pricing live broilers in northwest Arkansas.

Frank Garland Martin, Jr., Experimental Statistics
Dissertation: An empirical study of the effect of linkage on progress from selection.

Gordhanbhai Jethabhai Patel, Field Crops
Dissertation: Estimates of genotypic and phenotypic variances and covariances in a high and a low yielding population of flue-cured tobacco and their implications in selection.

John Leonard Ragland, Soils
Dissertation: Some reactions of aluminum in acid soils and their implications concerning root growth.

Harmon Hobson Ramey, Jr., Field Crops
Dissertation: Estimates of the average degree of dominance of genes controlling quantitative characters in cotton.

Edward James Spyhalski, Entomology
Dissertation: The response of cotton to thrips injury.

Charles Wilson Suggs, Agricultural Engineering
Dissertation: The effect of work-load and environment on some physiological responses in man.

William Tunstall Wells, Experimental Statistics
Dissertation: Some contributions to the solution of some statistical problems in the exterior ballistics of spin-stabilized rockets.

Edward Alexander Zuraw, Animal Industry
Dissertation: Purification of stimulants from condensed corn fermentation solubles active for *Lactobacillus casei* in milk.

DEGREES CONFERRED

July 18, 1958
August 28, 1958
January 26, 1959

School of Agriculture

BACHELOR OF SCIENCE IN AGRICULTURAL ECONOMICS

Merrelle Washington Harris (January, 1959) ..... Louisburg
John Paige Revelle (August, 1958) ..... Murfreesboro
Fred Street, Jr. (July, 1958) ..... Buladean
Henry Gray Winfrey (January, 1959) ..... Greensboro

BACHELOR OF AGRICULTURAL ENGINEERING

Lyman Burwell Harris, Jr. (August, 1958) ..... Grifton
Ivey Eugene Williamson (July, 1958) ..... Lucama

BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING

Thomas Jefferson Barnes, Jr. (January, 1959) ..... Angier
Eugene Thomas Barwick (January, 1959) ..... Grifton

BACHELOR OF SCIENCE IN ANIMAL INDUSTRY

Wilton Lee Adcock, Jr. (January, 1959) ..... Henderson
Robert Scott Dayton (January, 1959) ..... Arlington, Va.
†Howell Oscar Gentry, Jr. (August, 1958) ..... Madison
Edward Shepherd Lassiter (August, 1958) ..... Four Oaks
†Charles McConnell (January, 1959) ..... Hendersonville
Lynn Wells Plyler (January, 1959) ..... Waxhaw
Charles Courtney Rogers (July, 1958) ..... Tarboro
Bobby Foster Sherwood (January, 1959) ..... Vilas
†Jacob Fred Von Canon (August, 1958) ..... Banner Elk

BACHELOR OF SCIENCE IN FIELD CROPS

Earl Closs McIlwean, Jr. (August, 1958) ..... New Bern
Charles William Steelman (January, 1959) ..... Leicester

†Honors

BACHELOR OF SCIENCE IN HORTICULTURE

†Albert Quentin Bell, Jr., (January, 1959) ..... Manteo
†Harley Earnhardt Blackwell (January, 1959) ..... Hendersonville
†Joseph F. Brooks, Jr. (January, 1959) ..... Tuckerdale
†Mary Jameson Bunn (January, 1959) ..... Rocky Mount
Benjamin Eagles Kirkland (July, 1958) ..... Hobgood
Dorothy Jean Morton (January, 1959) ..... Raleigh

BACHELOR OF SCIENCE IN MECHANIZED AGRICULTURE

Lloyd Arlington Tyndall (January, 1959) ..... Kinston

BACHELOR OF SCIENCE IN RURAL SOCIOLOGY

†Reginald Wallace Ponder (July, 1958) ..... Raleigh

BACHELOR OF SCIENCE IN SOILS

Hilton Graham Johnson (January, 1959) ..... Delco

BACHELOR OF SCIENCE IN WILDLIFE CONSERVATION AND MANAGEMENT

James Thelbert Brown (January, 1959) ..... Smithfield
Randall Puryear Cheek (January, 1959) ..... Raleigh
Donald Angelo Miketa (January, 1959) ..... Baden, Pa.
Warren Trower Parker (January, 1959) ..... Raleigh

BACHELOR OF SCIENCE IN ZOOLOGY

John Taylor Brown (January, 1959) ..... Swannanoa
†Charles Bunch (August, 1958) ..... Raleigh

School of Education

BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION

William Eddie Bryan, Jr. (January, 1959) ..... Bladenboro
Charles Lee Campbell, Jr. (January, 1959) ..... Clarkton
Frank Anderson Lackey (January, 1959) ..... Statesville
Charlie Black McIntyre, Jr. (January, 1959) ..... Wingate
Donald Royce Mohorn (January, 1959) ..... Enfield
Tommy Alfonzo Narron (January, 1959) ..... Kenly
Jackie Benton Nordan (January, 1959) ..... Benson
Wallace O'Neil Parker (January, 1959) ..... Hubert

†Honors

Lawrence David Reese (January, 1959) ..... Henderson
Franklin Dan Rivenbark (January, 1959) ..... Watha
William Rivers Sanderson (January, 1959) ..... Bath
Charles Elbert Sane (January, 1959) ..... Spindale
Charles Jerry Sutton (January, 1959) ..... Franklin
Jerry William Thompson (January, 1959) ..... Mountain Park
Elwood Jackson Walker (January, 1959) ..... Albertson
Lewis Henry White (January, 1959) ..... Norlina
Bobby Gordon Wright (January, 1959) ..... Tabor City

BACHELOR OF SCIENCE IN INDUSTRIAL AND RURAL RECREATION

Derris Ray Bradshaw (January, 1959) ..... Wilmington
Richard William Climo (January, 1959) ..... Kew Gardens, L. I.
Richard Carson Hunter (January, 1959) ..... Leechburg, Pa.
Marvin Owen Keith (January, 1959) ..... Franklinton
James Joseph Oddo (January, 1959) ..... Wilmington, Del.
Harold Eugene Phillips (August, 1958) ..... Selma
Frederick William Ruppenthal, III (January, 1959) ..... York, Pa.
Jim Kemp Sherron, Jr. (January, 1959) ..... Fuquay Springs
Francis Norman Tokar (August, 1958) ..... Charleroi, Pa.

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

Eugene Filis Barbee (July, 1959) ..... Charlotte
David Benjamin Browning, Jr. (January, 1959) ..... Edenton
James Onas Campbell, Jr. (August, 1958) ..... Caroleen
John Thomas Campbell, Jr. (January, 1959) ..... Washington
James Henry Christie (January, 1959) ..... Kannapolis
Bruce Simmons Clodfelter, Jr. (January, 1959) ..... High Point
James Allen Cox (January, 1959) ..... Tabor City
Richard Warren Dosher (January, 1959) ..... Raleigh
Fred Lyles Eargle (January, 1959) ..... Tryon
Albert Stuart Hart (January, 1959) ..... High Point
Harry Delmar Johnson (January, 1959) ..... Manteo
Max Smith Knox (January, 1959) ..... Huntersville
Doan Bernhard Laursen (July, 1958) ..... Swannanoa
Stuart Beckwith Moore (January, 1959) ..... Washington
Peter Arlen Nemmers (January, 1959) ..... Raleigh
Walter Barnes Noble, Jr. (August, 1958) ..... Charlotte
Calvin Parker Poole, Jr. (January, 1959) ..... Fayetteville
Robert George Query (July, 1958) ..... Sanford
Robert Carlton Ratchford (January, 1959) ..... Dallas
Sonnie Claiborne Rochelle, Jr. (January, 1959) ..... Durham
Wyatt Manley Rogers, Jr. (July, 1958) ..... Charlotte
Beaman Harris Scarboro (January, 1959) ..... Wendell
Robert Graham Smith (January, 1959) ..... Cary
Gerald Louis Waitman (January, 1959) ..... Fayetteville

BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION

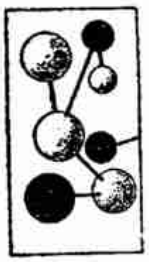
Charles Milby Hall (January, 1959) ..... Benson
Artis Medlin Narron (January, 1959) ..... Kenly
Darwin Hobgood Sowers (January, 1959) ..... Thomasville

BACHELOR OF SCIENCE IN SCIENCE EDUCATION

†Bobby Gene Wilder (January, 1959) ..... Wendell

†Honors

School of Engineering



BACHELOR OF CHEMICAL ENGINEERING

Horace Bloomfield Bryant, Jr. (July, 1958) ..... Hendersonville
Joseph Louis Hughes, Jr. (July, 1958) ..... Badin
Alan M. Winchell (July, 1958) ..... Windsor, N. Y.
Charles Cleveland Yawn (July, 1958) ..... Rock Hill, S. C.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

George Robert Howard, Jr. (January, 1959) ..... Charlotte
James Milton Sell (January, 1959) ..... Winston-Salem

BACHELOR OF CIVIL ENGINEERING

William Lynnwood Baird (July, 1958) ..... Raleigh
Paul Woods Beckham (August, 1958) ..... Miami, Fla.
William Edward Benjamin (July, 1958) ..... Raleigh
David Swan Haworth, III (July, 1958) ..... Lumberton
Charles Milton Houser (July, 1958) ..... Vale
Lewis Barber Lineberger (July, 1958) ..... Woodleaf
Robert Elijah Pittman (July, 1958) ..... Kinston
William Burton Wells (July, 1958) ..... Canton

BACHELOR OF CIVIL ENGINEERING, CONSTRUCTION OPTION

William Henry Cox (July, 1958) ..... Lexington
Wayne Waddell Miller (August, 1958) ..... Greensboro

BACHELOR OF ELECTRICAL ENGINEERING

Stephen Thomas Mullen (July, 1958) ..... New Bern
Howard Prescott (July, 1958) ..... Fayetteville
John Franklin Slaydon, Jr. (July, 1958) ..... High Point

BACHELOR OF ENGINEERING MATHEMATICS

Joseph Albert Beacon, Jr. (August, 1958) ..... Pittsburgh, Pa.
†William Floyd Campbell (July, 1958) ..... Hampton, Va.
‡Tilson Edward Chappell (August, 1958) ..... Belvidere
Theodore Rea Jefferies (August, 1958) ..... Raleigh
Norwood Saunders Keel (July, 1958) ..... Williamston
Stanley Eugene Watkins (August, 1958) ..... Seattle, Wash.

BACHELOR OF SCIENCE IN ENGINEERING MATHEMATICS

Charles Robert Eskridge, Jr. (January, 1959) ..... Shelby
George McBrayer Holmes (January, 1959) ..... Lincolnton

† Honors; ‡ High Honors.

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

James Edward Parlier (January, 1959) ..... Lenoir
Bradley Mack Pennell (January, 1959) ..... Lenoir
William Lamont Price (July, 1958) ..... Goldsboro
Archie Hugh Smith (January, 1959) ..... Mill Spring
James Daniel Warren (January, 1959) ..... Statesville

BACHELOR OF GEOLOGICAL ENGINEERING

Kenneth William Hoffman (July, 1958) ..... Raleigh

BACHELOR OF SCIENCE IN GEOLOGICAL ENGINEERING

Paul Richard Stewart (January, 1959) ..... Spruce Pine

BACHELOR OF SCIENCE IN HEATING AND AIR CONDITIONING

John Henry Croom, III (January, 1959) ..... Fayetteville
Ralph Jerome Parker, Jr. (July, 1958) ..... Williamston

BACHELOR OF INDUSTRIAL ENGINEERING

Bobby Webb Bowie (July, 1958) ..... Galax, Va.
William Edward Brown (August, 1958) ..... Wilmington
Seth Bridgman Gaskill, Jr. (August, 1958) ..... Raleigh
William Carl Johnson (July, 1958) ..... Erwin
Thomas Allen Taylor (July, 1958) ..... Raleigh

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Ernest Andrew Anderson, Jr. (January, 1959) ..... Wilmington
Lenard John Flynn (January, 1959) ..... Asheville
†George Harriss (January, 1959) ..... Wilmington
Philip Charles Kannan (January, 1959) ..... Wilson
Roy Harold Massengill (January, 1959) ..... Kenly
†Hassell Gray Mayberry (January, 1959) ..... Winston-Salem
James Norbert Mulvaney (January, 1959) ..... Asheville
Thomas Edgar Peatross (January, 1959) ..... Winston-Salem
William Franklin Roberts (January, 1959) ..... Shelby
†George Edson Spofford, 3rd (January, 1959) ..... Bristol, R. I.
Ned Russell Stuart, Jr. (January, 1959) ..... Kernersville
Eugene Ervin Thompson (January, 1959) ..... Raleigh
Kellis Ulestro Williard, III (January, 1959) ..... Columbia, S. C.
Franklin David Windley (January, 1959) ..... Bath
George William Yarbrough, Jr. (January, 1959) ..... Salisbury

BACHELOR OF MECHANICAL ENGINEERING

Robert Jack Holt (July, 1958) ..... Asheville
William Robert Jernigan, Jr. (July, 1958) ..... Dunn
Robert Calvin Johnson (July, 1958) ..... Winston-Salem
†Frank Hudson Overton (July, 1958) ..... Salisbury

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Donald Glenn Cox (January, 1959) ..... Kinston
Marvin Etheldred Harris (January, 1959) ..... Mount Gilead
Donald Edward Hendrix (January, 1959) ..... Charlotte
Hugh Arthur McDermott (January, 1959) ..... Vass
William Joseph Phifer, Jr. (January, 1959) ..... Charlotte
William Bruce Richmond (January, 1959) ..... Hillsboro

†Honors

BACHELOR OF MECHANICAL ENGINEERING, AERONAUTICAL OPTION

James Gus Hondros (July, 1958) ..... Rocky Mount

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, AERONAUTICAL OPTION

Claud Evans Hull (January, 1959) ..... Wendell
Larry Herbert Royster (January, 1959) ..... Durham

BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

William Keith Hardy (January, 1959) ..... Kinston
†Jerry Marvin Waller (January, 1959) ..... Hamlet

BACHELOR OF NUCLEAR ENGINEERING

Dean Mac Pruette (July, 1958) ..... High Point

BACHELOR OF SCIENCE IN NUCLEAR ENGINEERING

George Marshall Colton (January, 1959) ..... Southern Pines
Ronald Gray Conrad (January, 1959) ..... Winston-Salem
Jack Allen Gardner (January, 1959) ..... Pasadena, Cal.
Russell Osborne Lyday, Jr. (January, 1959) ..... Greensboro
John Shelby Vance (January, 1959) ..... Mars Hill

School of Forestry

BACHELOR OF SCIENCE IN FOREST MANAGEMENT

Wilson McKinley Alexander (January, 1959) ..... Mount Gilead
Robert Sabie Allen (January, 1959) ..... Forest City
Wray Edwards Freeman (January, 1959) ..... Rutherfordton
Teddie Sherman Koenig (August, 1958) ..... Pampa, Tex.
Donald George Winkler (January, 1959) ..... Chester, N. J.

BACHELOR OF SCIENCE IN PULP AND PAPER TECHNOLOGY

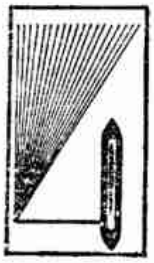
Arthur Chase Ambler, Jr. (August, 1958) ..... Asheville
Harold Wayne Mills (August, 1958) ..... Waynesville

BACHELOR OF SCIENCE IN WOOD PRODUCTS MERCHANDISING

Thomas Luther Hayworth (January, 1959) ..... High Point
Arthur Leon Howard, Jr. (January, 1959) ..... Raleigh

†Honors

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

Dhimant Sunderlal Dalal (January, 1959) ..... Bombay, India
Bejon Ruston Sethna (January, 1959) ..... Bombay, India
Bernard Joseph Sweens (July, 1958) ..... Helmond, The Netherlands

BACHELOR OF SCIENCE IN TEXTILES

Ahmet Atesci (January, 1959) ..... Adana, Turkey
‡Donald Clark Bailey (January, 1959) ..... Spindale
Duncan Dale Chappell (August, 1958) ..... Candor
Earl Edward Dye, Jr. (January, 1959) ..... Wilmington
Erick Pierre Fournier (January, 1959) ..... Paris, France
Carlos Gonzales Diaz (July, 1958) ..... Mexico, D. F.
Thomas Harold Hopper (January, 1959) ..... Glen Rock, N. J.
Gamal El-Din Ismail (August, 1958) ..... Alexandria, Egypt
Chris Lloyd Kametches (January, 1959) ..... Raleigh
Charles Wesley Kelly (January, 1959) ..... Henderson
†Walter Kenneth Lynch (January, 1959) ..... Raleigh
Ormand Kelly Moore (January, 1959) ..... Greensboro
William Douglas Moore (August, 1958) ..... Marshville
Bernard Wolfe Plaxen (January, 1959) ..... Brooklyn, N. Y.
Hugh Edison Simmons (January, 1959) ..... Hickory
Howard Evans Skipper, Jr. (January, 1959) ..... Red Springs
Charles William Smith (August, 1958) ..... Laurinburg
Duane Gordon Smith (January, 1959) ..... Kannapolis
Eugene Leo Smith, Jr. (August, 1958) ..... Great Neck, N. Y.
Robert Glenn Smith (July, 1958) ..... Laurinburg
Leonard Spitz (January, 1959) ..... Forest Hills, N. Y.
Walter John Taylor, Jr. (July, 1958) ..... Edenton
James William Walch, III (January, 1959) ..... Claymont, Del.
Roy Daniel Weant (August, 1958) ..... China Grove

Professional Degrees

July 18, 1958

CHEMICAL ENGINEER

Ivey Wilson Gilliam ..... Graham

INDUSTRIAL ENGINEER

Davey Gray Hampton ..... Winston-Salem

† Honors ‡ High Honors

Professional Degrees

January 26, 1959

CERAMIC ENGINEER

John Frank Frye ..... Salisbury

CHEMICAL ENGINEER

Lawrence Ray Gurley ..... Goldsboro

Master's Degrees

July 18, 1958
August 28, 1958
January 26, 1959

MASTER OF AGRICULTURAL ECONOMICS

Cecil Albert Parker (August, 1958) ..... College Station, Tex.

MASTER OF AGRICULTURAL EDUCATION

Dewey Allen Adams (July, 1958) ..... Bunnlevel
John Henry Blackmon (July, 1958) ..... Lillington
Joseph Edward Downing (August, 1958) ..... Angier
Murry Ormond Phillips (August, 1958) ..... Coats
Rex Beam Price (January, 1959) ..... Forest City
Dewey Bain Sheffield (August, 1958) ..... Wilson
Robert Edmond Strother (August, 1958) ..... Stem

MASTER OF INDUSTRIAL ARTS

Troyce Dalworth McGovern (August, 1958) ..... Durant, Okla.

MASTER OF OCCUPATIONAL INFORMATION AND GUIDANCE

Barbara Ann Mitchell Worthington (January, 1959) ..... Raleigh

MASTER OF FORESTRY

Owen Bernard Hutchinson, Jr. (January, 1959) ..... Beaumont, Tex.
Thomas Lem Price (January, 1959) ..... Magnolia, Miss.

MASTER OF WOOD TECHNOLOGY

Norman Delmar Jackson (August, 1958) ..... Morgantown, W. Va.
Douglas Vincent Mitchell (August, 1958) ..... Bartlesville, Okla.
George Watson Smith (August, 1958) ..... Raleigh

MASTER OF SCIENCE

Department of Agricultural Economics

William Wesley Gallimore (January, 1959) ..... Creston, Ky.
Harald Birger Giaever (January, 1959) ..... Oslo, Norway
Ernest Caleb Pasour, Jr. (January, 1959) ..... Dallas
Clyde Raymond Weathers (January, 1959) ..... Cary

Department of Agricultural Engineering

John Ike Sewell (August, 1958) ..... Care Spring, Ga.
Edward Hempstead Wiser (July, 1958) ..... Raleigh

Department of Animal Industry

Richard Henry Ferneyhough (July, 1958) ..... Raleigh
Henry Pridgen Fleming (August, 1958) ..... Lucama
Robert Harold White (January, 1959) ..... Bladenboro

Department of Entomology

William Perry DuBose, III (January, 1959) ..... Darlington, S. C.
Teodoro Adriano Irabagon (January, 1959) ..... Nueva Ecija, Philippines

Department of Experimental Statistics

Wilford Lavern Davis (July, 1958) ..... St. Joseph, Mo.
William Steve Mallios (January, 1959) ..... Lafayette, Indiana

Department of Field Crops

Morris Wilburn Alexander (January, 1959) ..... Westminster, S. C.

Department of Plant Pathology

Kenneth Reece Barker (January, 1959) ..... Roaring River

Department of Soils

Manuel Norberto Arca (August, 1958) ..... Callao, Peru

Department of Wildlife Conservation and Management

William Capers Carnes, Jr. (January, 1959) ..... Hamlet
Norman Robert Conover (January, 1959) ..... Atlantic Highlands, N. J.
Alva Howard Harris (August, 1958) ..... Belhaven

Department of Psychology

Michael Beer (January, 1959) ..... New York, N. Y.
Robert Buckhout (January, 1959) ..... Springfield Gardens, N. Y.
Robert Eugene Kinch (January, 1959) ..... Elon College
Morton Edward Spitzer (January, 1959) ..... Brooklyn, N. Y.
Harry Ellsworth Stine, Jr. (August, 1958) ..... Silver Spring, Md.
Richard Halbert Webb, Jr. (August, 1958) ..... Laurel Hill
Donald Monroe Wilkins (January, 1959) ..... Gastonia

Department of Electrical Engineering

Paul Pao-Ho Chen (July, 1958) ..... Tientsin, China
Glenn Beckham Harvin, Jr. (January, 1959) ..... Raleigh
Shing-Gong Liu (July, 1958) ..... Soochow Kiangsu, China
James Benhard Tommerdahl (August, 1958) ..... Raleigh

Department of Mathematics

Grover Stephen Jones, Jr. (January, 1959) ..... Hartsville, S. C.
Frank Colby Pethel, Jr. (August, 1958) ..... Kannapolis

Department of Mechanical Engineering

Vernon Emerson Holt (August, 1958) ..... Raleigh
Harry King McMillan (August, 1958) ..... Cary
Clarence Alexander Wingate, Jr. (July, 1958) ..... Charlotte

Department of Mineral Industries

You Song Kim (July, 1958) ..... Seoul, Korea

Department of Physics

Samuel H. Birken (August, 1958) ..... Oceanside, N. Y.
Morris Harold Bradshaw (January, 1959) ..... Petersburg, Tex.
Amos Gentry Bullard, Jr. (January, 1959) ..... Cary
Frederick Harrison Gregory (August, 1958) ..... Halifax
Terry Lee Hershey (January, 1959) ..... Cary
David Roy Hostetler (July, 1958) ..... Raleigh
Bryce Walby Johnson (January, 1959) ..... Blackfoot, Idaho
Daniel Lesur (August, 1958) ..... Lille, France
Warren George Palmer (August, 1958) ..... Farmville
Ralph Longwell Sanders (August, 1958) ..... Chattanooga, Tenn.
James Burton Smathers (January, 1959) ..... Deland, Florida
Thomas Edward Todd (January, 1959) ..... Augusta, Ky.

School of Textiles

Klaus Koehler (August, 1958) ..... Gummersbach, Germany
Fred Manfred Rawicz (August, 1958) ..... Rego Park, N. Y.
Henry Walker Saffer (January, 1959) ..... Far Rockaway, N. Y.

Doctor of Philosophy Degrees

Bruce Lloyd Baird, Soils (January, 1959)
Dissertation: Factors affecting the nutrient content and yield response of corn to nitrogen, phosphorus, and potassium fertilization.

James Earl Baker, Botany (July, 1958)
Dissertation: An investigation of the mechanism of action of maleic hydrazide in tobacco and other plants.

Ishverlal Surchand Bangdiwala, Experimental Statistics (July, 1958)
Dissertation: Some sequential procedures for ordering populations according to means, variances and regression coefficients.

James Ferris Chaplin, Field Crops (January, 1959)
Dissertation: Interspecific hybridization, gene transfer and chromosomal substitution in *Nicotiana*.

George Maurice Cheniae, Botany (January, 1959)
Dissertation: The physiological role and mechanism of action of nitrate reductase from *Rhizobium japonicum*.

Robert Edward Cook, Genetics (January, 1959)
Dissertation: The genetic and environmental relationships between reproductive traits and body measurements in turkeys.

Robert Lee Edwards, Animal Industry (August, 1958)
Dissertation: Studies on the utilization of ingested lipids by ruminant animals.

Burton Yoshiaki Endo, Plant Pathology (August, 1958)
Dissertation: Studies on certain ecological factors affecting the biology of the lesion nematode.

Ken-Ichi Kojima, Experimental Statistics (July, 1958)
Dissertation: An analysis of genetic systems in which the phenotype depends upon deviations from an optimum.

Lorin Ronald Krusberg, Plant Pathology (January, 1959)
Dissertation: Hydrolytic and respiratory enzymes of species of *Ditylenchus* and *Pratylenchus*.

Harold Augustus Lamonds, Physics (August, 1958)
Dissertation: A study of the fission gases from the water boiler reactor.

Lonnie Louis Lasman, Experimental Statistics (July, 1958)
Dissertation: Asymptatic distribution of sample size for certain methods of sequential sampling.

Arthur Edward Lucier, Mineral Industries (January, 1959)
Dissertation: Investigation of interfacial phenomena of selected metals and ceramic oxides.

Richard Douglas Mochrie, Animal Industry (July, 1958)
Dissertation: Relationship of frequency of feeding to feed utilization and other physiological activities of the bovine.

Shamrao Srinivasrao Nandapurkar, Chemical Engineering (August, 1958)
Dissertation: Condensation on rotating surface.

Bernard Samuel Pasternack, Experimental Statistics (January, 1959)
Dissertation: Reversal functions of a test procedure and their associated bounds when data are incomplete.

Nityananda Pati, Animal Industry (January, 1959)
Dissertation: Storage of bovine semen at low temperature (-79°C) using reconstituted buttermilk as an extender.

Peter Thomas Penn, Botany (July, 1958)
Dissertation: A study of the polyphenols and polyphenol oxidase present in tobacco leaves.

Gerald Ian Pritchard, Animal Industry (January, 1959)
Dissertation: Interrelationships between the metabolisms of short-chain fatty acids by ruminant tissues.

Har Swarup Singh, Agricultural Economics (January, 1959)
Dissertation: Evaluation of alternative income opportunities for farm operators in Macon County, North Carolina.

Charles Gerald Wright, Entomology (August, 1959)
Dissertation: Biology and control of the southern Lyctus beetle, *Lyctus planicollis* Leconte.

Awards for Achievement

1958-1959

SCHOOL OF AGRICULTURE

Agricultural Engineering: American Society of Agricultural Engineers, Student Honor Award: Clarence Elam Hood, Jr., Newton.

Agricultural Economics: Wall Street Journal Achievement Award: Robert Lindsay Leonard, Lexington.

Agronomy: Senior Highest Scholastic Average in Field Crops and Soils: James William Hendrix, Greenville.

American Society of Agronomy Award, Most Outstanding Senior: James William Hendrix, Greenville.

Agronomy Club Leadership Award: Austen David Merrick, Asheville.

National Plant Food Institute Agronomy Achievement Award: Edgar Laura Boyd, Pinetown.

Alpha Zeta: The Burkett-Cunningham-Dennis Award: James William Hendrix, Greenville.

Animal Industry: The Fred M. Haig Trophy: Jerry Talmadge Willis, Lawndale.

Chemistry: The Chemical Rubber Company Achievement Award: Richard Hobson Blackwell, Jr., Charlotte.

Gamma Sigma Delta: School of Agriculture Outstanding Senior Award: Jo Ann Thomas, Spruce Pine.

Horticulture: Most Outstanding Senior Award: Harley Earnhardt Blackwell, Hendersonville.

SCHOOL OF DESIGN

American Institute of Architects Book Award: Gareth Edwin Annas, Hudson.

Alpha Rho Chi Medal: Robert Hoyle Tucker, Gastonia.

North Carolina Chapter of the American Institute of Architects Book Award:
George William Colvin, Jr., Winston-Salem.
William Brown Little, Gastonia.
Shelton Ray Peed, Durham.
Robert Hoyle Tucker, Gastonia.

SCHOOL OF EDUCATION

Kappa Phi Kappa Scholarship Medal: James Baxter Hunt, Jr., Lucama.

SCHOOL OF ENGINEERING

The School of Engineering Award: Gold Watch to Outstanding Senior in School of Engineering, Richard Horace Redwine, Rural Hall. (Senior in Ceramics).

The Hamilton Watch Award: Watch awarded to a senior by Hamilton Watch Company, William Johnston Cocke, III, Asheville. (Engineering Physics)

Ceramic Engineering: J. C. Steele Scholarship Cup—Awarded to an upperclassman with highest scholastic average for past year's work—Richard Horace Redwine, Rural Hall. (Senior)

Chemical Engineering: American Institute of Chemical Engineers Certificate—Awarded to a junior on the basis of freshman and sophomore record—Max Ray Davis, Forest City. (Junior)

Electrical Engineering: Eta Kappa Nu Sophomore Award—Thomas Lane Jones, Brevard.

Institute of Radio Engineers Awards:
Junior Year Award—Larry K. Monteith, Raleigh.
Senior Year Award—William T. Easter, Winston-Salem.

Industrial Engineering: Alpha Pi Mu Outstanding Sophomore Award—James Richard Currie, Ogdensburg, New York.

Mechanical Engineering: Pi Tau Sigma Award—Alvin Dillard Hooper, Tuckasegee.

The Institute of Aeronautical Sciences Scholarship Award—Charles Borden Johnson, Raleigh. (Senior)

SCHOOL OF FORESTRY

Xi Sigma Pi Senior Award: Theodore Osgood Hilbourn, III, Raleigh.

Xi Sigma Pi Freshman Award: Roger DeWitt Lambert, Andrews, S. C.

Homelite Honor Senior Award: Roy Wesley Stonecypher, Martinsville, Va.

Homelite Honor Junior Award: David Lee Bramlett, Asheville.

Southeastern Division of the American Pulp and Paper Mill Superintendents Association Award: Norman Arnold Russell, Raleigh.

Alpha Zeta Sophomore Award: Junius Ora Baker, Jr., Raleigh.

SCHOOL OF GENERAL STUDIES

Rudolph E. Freund Prize for Excellence in the Social Sciences: Jo Ann Thomas, Spruce Pine.

SCHOOL OF TEXTILES

American Association of Textile Chemists & Colorists Award: Eddie Max Barringer, Maiden.

American Association of Textile Technology Award: Martin Boger Foil, Jr., Concord.

Delta Kappa Phi Fraternity Award: Eddie Max Barringer, Maiden.

Sigma Tau Sigma Fraternity Award: Charles Wayne Hammer, Siler City.

Saul F. Dribben Memorial Award: Bryson Talmon Dickerson, Oxford.

Phi Psi Fraternity Award: Willie Charles Bowen, Rockingham.

Textile Veterans Association Award: Donald Clark Bailey, Spindale.

ALUMNI ATHLETIC TROPHY

Lou Edward Pucillo, Philadelphia, Pennsylvania.

PHI KAPPA PHI, NATIONAL HONORARY SCHOLARSHIP SOCIETY

Graduate Student Ph. D. Award: Loris R. Krusberg, Elkton, Md.

Graduate Student Masters Award: Ronald L. Baron, New York, N. Y.

Sophomore Honorary Award: James A. Hackney, III, Washington.

Junior Honorary Awards: Walter L. Cook, Raleigh; John T. Welch, Jr., Oxford.

Senior Honorary Awards: Clarence O. Thornburg, Jr., Dallas; Luther C. Salter, Jr., Sheffield, Ala.; William J. Cocke, III, Asheville and Richard N. Whitman, Winston-Salem.

AIR FORCE AWARDS LIST FOR 1959

AFROTC Honor Flight Leader Award: Cadet 2nd Lt. Jesse F. Montgomery, Smithfield.

Air Force Association Award: Cadet Colonel Joseph A. Dubois, Jr., Morehead City.

American Legion Medal: Cadet Major Robert L. Wilkins, Fayetteville

Armed Forces Communications & Electronics Award: Cadet Capt. Reginald M. Cilvik, Wilmington.

Arnold Air Society Award: Cadet T/Sgt. William A. Smith, Asheville.

Chicago Tribune Air Force ROTC Award: Cadet Grady T. Ferrell, Jr., Raleigh.

Chicago Tribune Award: Cadet S/Sgt. Rudolph G. Kugler, Jr., Charlotte; Cadet 1st Lt. William R. Conley, Marion; Cadet Major Benjamin C. Rush, Star.

Convair Cadet Award: Cadet S/Sgt. James A. Pierson, Laurinburg.

Daughters of the Founders and Patriots of America Award: Cadet T/Sgt. Leon G. Chadwick, Raleigh.

Honor Squadron Guidon Banner Award: Cadet Arnold H. Cohen, Brooklyn, N. Y.

Major General W. E. Lee Scholarship Award: Cadet A/IC Charles R. Philbrick, Cary.

Professor of Air Science Award: Cadet Major Franklin H. Mitchell, Jr., Charlotte.

ROA Air Reserve Medal: Cadet 2nd Lt. Louis R. Kirchdorfer, Roseboro.

ROA Honor Graduate Award: Cadet Major James L. Raper, Raleigh.

Scabbard and Blade Award: Cadet Arthur B. Hoadley, Raleigh.

Society of American Engineers Award: Cadet 2nd Lt. Jerry A. Sawyer, New Bern.

Sons of the American Revolution Medal: Cadet Lt. Colonel Homer S. Brown, Selma.

ARMY ROTC AWARDS

The Department of the Army Superior Senior Cadet Awards: Senior Class: Cadet 2nd Lt. Thomas Fulton Wyke, Shelby. Junior Class: Cadet Master Sergeant James Elwin Watson, Jr., Red Springs. Freshman Class: Cadet Private Preston Lee Hasson, Fort Bragg. Sophomore Class: Cadet Sergeant First Class Ronald Lee Olive, Lumberton.

Certificate of Meritorious Leadership Achievement: Cadet Lt. Colonel Frank Mallard Alley, Jr., King.

The Colonel John W. Harrelson Scholarship Award: Cadet Private Richard Hall Williamson, Canton.

Association of the United States Army Medal: Cadet 1st Lt. Jesse Hobson Scott, Jr., Franklin, Va.

American Ordnance Association Key: Cadet Lt. Colonel Lawrence Harris, Jr., Wake Forest.

Professor of Military Science and Tactics Award: Cadet Major Junius Lee Sales, Jr., Asheville. Company "C", 1st Battle Group.

Best Drilled Platoon Award: Cadet 1st Lt. Luther Earl Stegall, Warrenton, 3rd Platoon, "C" Company, 1st Battle Group.

Master Sergeant Horace Carter Thomas, Sr. Award: Cadet Sergeant Daniel Lee Whiteside, Asheville.

Chicago Tribune Gold Medals: Cadet Lt. Colonel Charles Wayne Hammer, Siler City. Cadet Major James Arnold Warren, Statesville.

Chicago Tribune Silver Medals: Cadet Master Sergeant Stephen Stanislaus Koszewski, Jr., Charlotte. Cadet Master Sergeant Wallace R. Baker, Jr., Belvidere.

Society of American Military Engineers Medal: Cadet 2nd Lt. Thomas Fulton Wyke, Shelby.

Armed Forces Chemical Association Award: Cadet Master Sergeant Hugh Clements Bennett, Raleigh.

American Legion Medal: Cadet Colonel William Byrd Kay, Jr., Red Springs.

Sons of the American Revolution ROTC Medal: Cadet Master Sergeant Alton Jackson Sheek, Advance.

Scabbard and Blade Award: Cadet Sergeant Edward Samuel Oberhofer, Winston-Salem.

Scabbard and Blade Marksmanship Medal: Cadet Major Marshall Edward Miller, Jr., Concord.

Armed Forces Communications and Electronics Award: Cadet Captain Elwin James Buchanan, Jr. Sanford.

Daughters of Founders and Patriots of America Award: Cadet Private Paul Weber Brant, Raleigh.

Reserve Officers Association Honor Award: Cadet 1st Lt. Charles Richard Younts, Lexington, Cadet Master Sergeant Kenneth Edward Steppe, Lynchburg, Va.

The Pershing Rifles Achievement Medal: Cadet Private Chester B. Honeycutt, Angier.

The Pershing Rifles Silver Medal: Cadet Captain William R. Guffey, Greensboro.

NORTH CAROLINA STATE COLLEGE

EXERCISES OF GRADUATION

JANUARY 26, 1959

10:00 A.M.

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

(Abridged Version)

DEANS OF THE SCHOOLS

D. W. COLVARD
School of Agriculture

H. L. KAMPHOEFNER
School of Design

J. B. KIRKLAND
School of Education

J. H. LAMPE
School of Engineering

R. J. PRESTON
School of Forestry

M. E. CAMPBELL
School of Textiles

W. J. PETERSON
Graduate School

C. A. HICKMAN
School of General Studies

PROGRAM

PROCESSIONAL	"Trumpet Voluntary"	*Purcell*
PRESIDING	CAREY H. BOSTIAN, Chancellor North Carolina State College	
INVOCATION	REVEREND RODERICK REINECKE Episcopal Chaplain to Students	
SPECIAL MUSIC	"Panis Angelicus" DAVID WITHERSPOON, Soloist	*Franck*
CONFERRING OF DEGREES AND PRESENTATION OF DIPLOMAS	CAREY H. BOSTIAN, Chancellor JOHN W. SHIRLEY, Dean of the Faculty Deans of the Degree-Granting Schools	
REMARKS TO THE GRADUATING CLASS	ARRON W. E. CAPEL II Class of 1959	
	WILLIAM C. FRIDAY, President The Consolidated University of North Carolina	
ALMA MATER	Led by ROBERT A. BARNES Director of Music	
BENEDICTION		
RECESSIONAL	"Fugue in E-Flat Major"	*Bach*

Organist—Mrs. Arthur L. Geaslen