

SPECIAL FRESHMAN ISSUE



PUBLISHED WEEKLY BY THE STUDENTS OF NORTH CAROLINA STATE COLLEGE

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State College Station, Raleigh, N. C.

September 18, 1953

Dr. Bostian of China Grove Becomes Chancellor Topping 23 Years at NCS

Dr. Carey Hoyt Bostian, who worked his way through Catawba College and completed his course at the head of his class in 1928, became the new chancellor of North Carolina State College on September 1.

He was recommended for the position as chancellor of State College by President Gordon Gray at a special meeting of the board of trustees of the Consolidated University of North Carolina Friday, June 12, 1953, and the board unanimously elected him as the successor to Chancellor J. W. Harrelson.



DR. C. H. BOSTIAN

Born at China Grove, Rowan County, March 1, 1907, the 46-year-old educator will become State College's seventh chief administrative officer.

He was educated in the Salisbury High School, where he was graduated in 1924; at Heidelberg College, Tiffin, Ohio, where he studied from 1924 to 1925; at Catawba College; where he received his B.S. degree in 1928; at the University of Pittsburgh, where he earned his M.S. degree in 1930 and his Ph.D. degree in 1933; and at the University of Chicago where he took special training during the 1930 summer quarter.

Dr. Bostian joined the North Carolina State College faculty in

the autumn of 1930 as assistant professor of zoology, was promoted to associate professor of zoology in 1936, was advanced to the rank of full professor in 1946, and was also named assistant director of instruction in the State College School of Agriculture in 1946.

In 1948, he was appointed associate dean of the School of Agriculture and continued with the rank of professor of zoology. Another promotion came in 1950 when he became director of instruction in the School of Agriculture. His title was changed in 1952 to professor of genetics and director of instruction, School of Agriculture.

Since 1946, Dr. Bostian's duties have centered around administration work in the School of Agriculture and the teaching of genetics.

Prior to becoming affiliated with the State College faculty, Dr. Bostian was a teaching fellow at the University of Pittsburgh, 1928-30, and later was an instructor in the summer session at Catawba College in 1934.

He maintains active membership in a number of learned and professional societies, including Sigma Xi, the Poultry Science Association, Genetics Society of America, American Association for the Advancement of Science, the American Association of University Professors, and the North Carolina Academy of Science.

He is also a member of Phi Kappa Phi and Alpha Zeta, honorary scholastic and agricultural societies, respectively.

A popular faculty member, Dr. Bostian served as president of the State College Chapter of Sigma Xi, 1946-47; president of the college chapter of Phi Kappa Phi, 1945-46; and a member of the executive committee of the North Carolina Academy of Science, 1949-52.

He has been given assignments on a number of State College faculty committees, including the general policies committee, the committee on college extension, the committee on buildings and grounds, the committee on athletics, the committee on the college schedules, the committee on

(Cont. on page 2)

Campus Radio Station 580 on Your Dial Now in Operation

WVWP, your student radio station is now in operation offering a varied program aimed at pleasing all tastes.

The station operates on the carrier current system of transmission and can be picked up at 580 on your radio dial.

Programs offered by the station range from lost and found to help students to musical programs featuring both classical and jazz selections to entertain them. Numerous programs of an educational nature are also presented.

Sam Harrell, manager of WVWP has announced that this year he plans to give a big play to school songs and yells which is a new innovation.

Studios of the station are located on the second floor of the publications building located between the library and Watauga dormitory.

Young Engineers Start at \$341 Mo.

Report Issued By Wicker Shows 67% Of NCS Grads Find Employment in South

An increased number of job opportunities open to graduates of the School of Engineering at N. C. State College during the school year 1952-53 has reflected the national shortage of engineers, according to a report made by Mrs. Marie P. Wicker, coordinator of student affairs at the Engineering School.

The report gives a comprehensive account of the placing or occupation of 269 seniors who were graduated from the School of Engineering in June.

Dr. J. H. Lampe, dean of the School of Engineering, comments on the report in saying: "I am gratified that an increasing number of North Carolina industries are making use of our placement services and are employing our engineering graduates."

67 Per Cent Employed in South
North Carolina industry claims sixty-six graduates or 39 per cent of the 170 who accepted civilian employment. Sixty-seven per cent, or 114, will remain in the South. Of the 269 engineering seniors graduated, 93 per cent have accepted employment, with 12 of them entering graduate school. Military service has beckoned 129 seniors, or 48 per cent of the class.

Wide Scope of Industries
Businesses and industries for which the graduates are working include: federal, state, and city agencies, aircraft companies, construction companies (with two running their own construction firms), a consulting engineer, furniture manufacturers, and heating and air conditioning firms. A remaining 103 graduates are working for a variety of industries such as textile manufacturers, chemical companies, oil companies, utilities, manufacturers of electric and electronic equipment, steel companies, paper manufacturers, and many others.

Nearly half of those employed will go into training programs, ranging in length from five weeks to four years.

More companies visited the campus this year than ever before, the report pointed out, to interview seniors, graduates and professional

CLASS OF "57" IS BIGGEST YET

1,200 Freshmen Jam Campus as They Arrive for Orientation and Testing Total Enrollment to Exceed 4,000

A record-breaking freshman class of more than 1,200 students arrived at North Carolina State College Thursday for a program of orientation and testing.

The first-year students held their first class meeting in the William Neal Reynolds Coliseum at the college last night at 7:15 o'clock.

They were greeted in the Coliseum by Chancellor Carey H. Bostian, Dean of Students E. L. Cloyd, and Billy Barnes Oliver of Selma, president of the Campus Government. Details of the orientation and testing program were explained to the students during the meeting.

Following the exercises, the State College Woman's Club served refreshments to the new students.

The freshman class this year is expected to exceed all previous

first-year classes at State College. There were 1,096 new freshmen registered at the college last fall.

In addition to the bumper crop of freshmen, the number of other students attending the institution is expected to surpass last year's enrollment. The total enrollment last fall stood at 3,934 as compared with between 4,100 and 4,200 expected this fall.

The freshmen orientation and testing program will run from Thursday, September 17, until Sunday, September 20. The registration of all students will be conducted September 21-22. Classwork will begin September 23.

State College this fall is beginning its 65th year of service. The institution first opened its doors on October 3, 1889.

Consolidated University Day to be Highlighted by State-Carolina Football Game, Reception and Dance in Woollen Gym

Consolidated University Day will be held this year on September 26th at Carolina.

This annual celebration is a long standing tradition of the three schools of the Greater University, State, Carolina and the Woman's College.

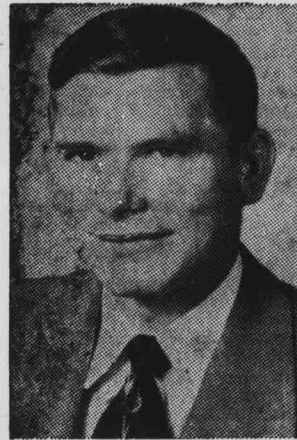
The purpose of the affair is to promote friendship among the student bodies of the three schools.

Last year's celebration at Woman's College, which was featured by the dedication of the W. C. Union building, was a big success. The Woman's College delegation to this year's CU Day is estimated at 1,800 girls.

The program this year is tentatively as follows: the day will begin with half time ceremonies at the State-Carolina football game which will include presentation of sponsors of the three schools and a short address by Gordon Gray, president of the Consolidated University. After the game there will be a reception at the Graham Memorial Student Union at which refreshments will be served.

Saturday night there will be a big dance in Woollen Gymnasium which is being co-sponsored by the Grail, a Carolina honorary organization and the Consolidated University Student Council.

CAMPUS GOVERNMENT PRES. AND VEEP . . .



BILLY B. OLIVER



ROBERT B. JORDAN

Pictured above are the president and vice-president of your Campus Government who were elected in spring elections to serve during the 1953-54 school year.

Billy Barnes Oliver of Selma, a rising senior in electrical engineering is president and Robert B. Jordan, III of Mt. Gilead a senior in Forestry is vice-president.

Student Groups Need Freshmen

Need for Interested Students to Work on Publications, Campus Clubs and Other Organizations is Acute

All campus publications, clubs and organizations of all kind depend for their continued life on student interest and participation.

It is the duty of every student as a member of the student body to participate actively in at least one such club or organization.

The present members of the organizations will welcome any interested Freshman who desires to participate in their organizations activities.

Whether your experience is wide or limited, whether you can work 2 hours or 20 don't fail to offer your services. They are needed badly.

Besides being interesting in

themselves extracurricular activities very often are of assistance in helping graduates obtain better jobs. Most companies today consider it a point in favor of a job applicant if he has engaged in such activities.

The knowledge gained may also be of use to the student later in life.

The organizations needing new members include all those on the campus and are too numerous to mention but your "Tower" contains information on all of them. Look them over, select several that look interesting to you, come in and go to work.

Students. Mrs. Wicker credits this increase to smaller graduating classes of engineers, industrial expansion resulting from defense contracts, and a greater realization of the value of engineers by smaller companies.

197 Engineering Companies Visit Campus

A total of 197 companies conducted interview sessions at the School of Engineering, a 70 per cent increase over 1951-52. Calls for engineers came from over 300 universities, industries, and governmental agencies.

Part of the increase in the number of companies engaged in on-

campus recruiting is attributed to the larger number of North Carolina companies that sent representatives to the School of Engineering to discuss employment possibilities with students. The number had increased to 23 per cent in 1952-53, accounting for 45 industries that recruited for vacancies in North Carolina during the year. Tar Heel companies interviewing for the previous year had been 16 per cent of the total.

Factors which may have been responsible for this North Carolina increase were listed as: the industrial expansion of the State; the

(Cont. on page 2)

Freshmen Roddy Fields, Pete Tuttle Win \$200 Kroger Scholarships



RODDY H. FIELDS



PETER D. TUTTLE

Roddy H. Fields of Route 4, Greensboro, and Peter D. Tuttle of Route 1, Tobacoville, have been selected to receive the 1953-54 Kroger Scholarship Awards in the School of Agriculture at North Carolina State College.

The scholarship winners were announced last July by Dr. C. H. Bostian, director of instruction in the School of Agriculture and chancellor of State College.

Fields and Tuttle, both of whom are enrolling as freshmen in agriculture at the college will receive \$200 scholarships, given by the Kroger Company with home offices in Cincinnati, Ohio.

Both Fields and Tuttle have made distinguished records in 4-H Club and FFA project work, have made top-ranking records in their high school studies, and have assumed positions of community leadership in their respective localities.

Young Fields, son of Mr. and Mrs. Robah Harper Fields, was graduated from the Pleasant Garden School, Guilford County, last May. He made a record of all "A's" in high school and ranked second in his graduating class of 39 students.

10-Week Course for Industrial Workers Offered by NCS

Extension courses in industrial management and planning will be offered in Gastonia, Greensboro, and High Point by the North Carolina State College School of Engineering beginning in October.

This was announced recently by Prof. David E. Henderson, head of the Department of Industrial Engineering at the college, who said the special training will be given as a service to the State's expanding industries.

Designed to meet the urgent need of North Carolina industries for practical instruction and training courses in supervision and production technology, the courses will run for 10 weeks with three hour classes each week.

The program, entering its third year of operation, is open to persons with at least six month's plant experience who are anxious to learn the latest developments in management and engineering principles and practices.

The courses will be offered in Gastonia for the first time this year.

Basic studies are offered in industrial management with a choice of two subsequent programs in industrial engineering or personnel management. A certificate is awarded at the end of the 10-week course.

The teaching staff will include Professor Henderson, R. D. Furlong, R. W. Llewellyn, and Ruddell Reed, all of the Department of Industrial Engineering; Dr. D. J. Moffie, head of the Department of (Cont. on page 5)

A member of the 4-H Club for three years, he served for one year as secretary of his local club. He was a member of the local FFA Chapter for four years and served one year as president. He was also a member of the Beta Club, was circulation manager of both the school paper and annual, was his class vice president for two years, received the agricultural medal, and was designated "most intellectual" in his class. He completed a number of 4-H and FFA projects.

Young Tuttle, son of Mr. and Mrs. Samuel Clifton Tuttle, was graduated last May from the Old Richmond High School, Forsyth County. A leading student, he ranked third in his graduating class of 20 seniors.

He was a member of his local 4-H Club and FFA Chapter for four years, served as the 4-H secretary, and was both treasurer and president of the FFA. In addition, he was secretary of his sophomore class, president of both his junior and senior classes, member of the annual staff, first place winner in the school "Green Pastures" public speaking contest, and recipient of the "Safe Driving Award" in recognition of 400 hours of school bus driving.

GRADS—

(Cont. from page 1) increased appreciation within North Carolina—owned and operated businesses of the place of engineers in an industrial setting; the efforts of Dean Lampe and the faculty of the School of Engineering, through contacts with the industrial leaders of the State, to keep business concerns aware of the need for engineering graduates; and the success with which the graduates have performed their duties and sold the engineering profession and the School through their excellent work.

2,370 Student Interviews Arranged Arrangements were made for a total of 2,370 interviews for students and alumni of the School of Engineering.

Seniors in Mechanical Engineering with an Aeronautical Option scheduled more interviews per student than any other group, averaging approximately 16 interviews for each senior who participated in the placement program. More companies visiting the School of Engineering asked to talk with Mechanical and Electrical Engineers than to men in other fields of engineering.

The smallest demand for campus interviews was for men who had degrees in Ceramic Engineering, Geological Engineering, Nuclear Engineering, Furniture Manufacturing and Management, and in Construction. The report explained that while opportunities for men in these fields are available, companies using engineers in these fields did not conduct recruiting to any large extent.

Average Salary Accepted Salaries offered engineering graduates at the bachelor's level were recorded as varying from \$200 to

\$500 a month for a forty-hour week, with the average salary offered by 150 companies at \$334 a month, exclusive of over-time and cost-of-living allowances. The average salary at which graduates accepted employment was \$341 a month.

In addition to the placing of graduates, freshmen, sophomores, and juniors were aided in their search for summer jobs by the setting up of interviews and distributing lists of summer openings.

Because of the large number of returning servicemen, many requests have been received from alumni for placement services. An Alumni Placement Bulletin, mailed monthly, was developed for them.

The report states in conclusion that the School of Engineering is challenged to meet many opportunities and to provide assistance, through effective placement of engineering graduates, in building industrial North Carolina, in advancing the New South, and in aiding industry throughout the United States.

BOSTIAN—

(Cont. from page 1) readmissions (of which he served as chairman, 1949-51), the committee on college government, and the committee on student personnel.

In addition, he is now a member of the Administrative Council, Consolidated University of North Carolina, and was a member of the committee on the inauguration of President Gordon Gray.

He is listed in Who's Who in America and American Men of Science.

An active member of the National Association of Land-Grant Colleges and Universities, he is currently a member of the committee on organization and policy and the committee on short courses of the association's Division of Agriculture and Resident Instruction.

Dr. Bostian has written a number of scientific articles outlining his research achievements.

The State College chancellor is

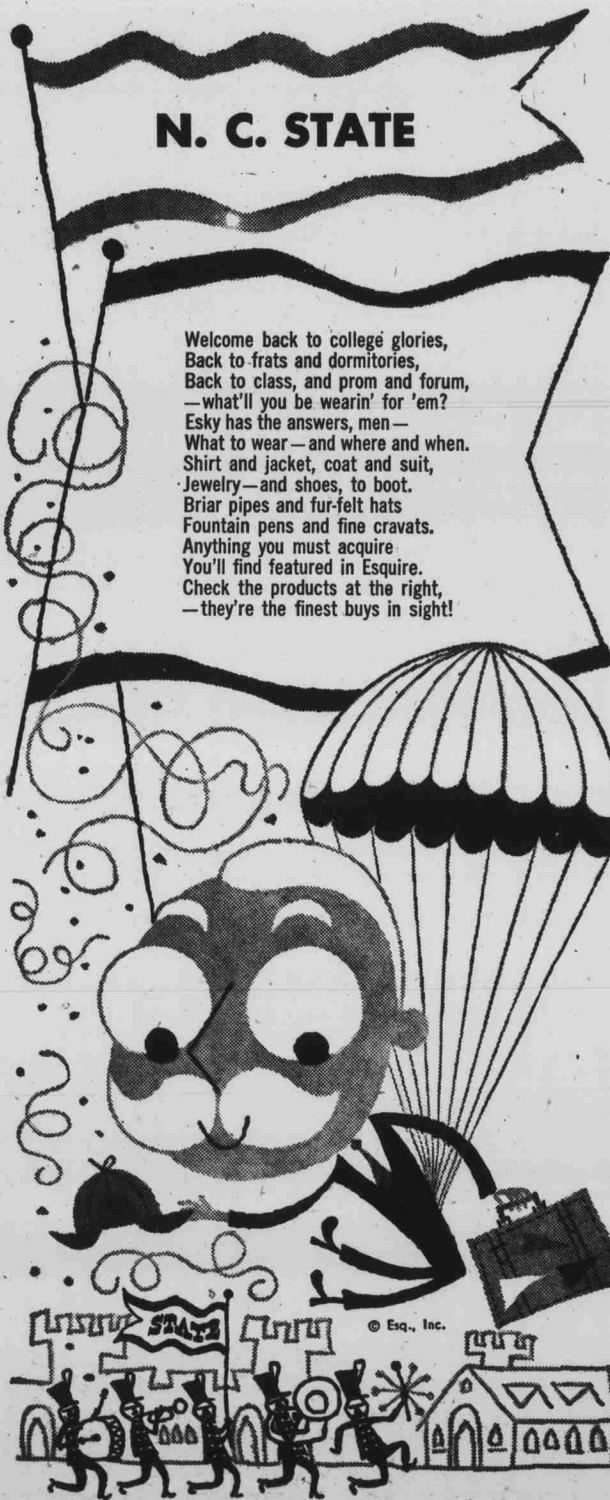
highly popular with the students of the college. They selected him to receive the Blue Key award in 1947, dedicated *The Agronomist*, student annual, to him in 1947, elected him to membership in Alpha Zeta, awarded him the Ag Club key this year, and gave him "a superior rating as a teacher."

He is vice chairman of the board of deacons of the West Raleigh Presbyterian Church and has long been a leader in the church's activities.

Dr. Bostian is married to the former Miss Neita Corriher, also of Rowan County and a graduate of Catawba College. They have three sons—Richard Lee and Lloyd Russell, 21-year-old twins who are rising seniors at the University of North Carolina in Chapel Hill, and Karl Eugene, 17, who will be a senior next fall at Needham Broughton High School, Raleigh.

The Bostians reside at 1000 Lake Boone Trail, Raleigh. Dr. Bostian's main recreational interests are gardening and ornithology.

Esquire says: welcome back



Welcome back to college glories,
Back to frats and dormitories,
Back to class, and prom and forum,
—what'll you be wearin' for 'em?
Esqy has the answers, men—
What to wear—and where and when.
Shirt and jacket, coat and suit,
Jewelry—and shoes, to boot.
Briar pipes and fur-felt hats
Fountain pens and fine cravats.
Anything you must acquire
You'll find featured in Esquire.
Check the products at the right,
—they're the finest buys in sight!

APPAREL

- Adler Hosiery
- After Six Eveningwear
- Air-O-Magic Shoes
- Allen Edmonds Shoes
- Alligator Rainwear
- American Gentleman Shoes
- Arrow Ties
- Bantamac Jackets
- Baracuta Rainwear
- Bass "Wooljans"
- Beimont Clothes
- Bostonian Shoes
- "Botany" Brand Slacks
- "Botany" Brand 500 Suits
- Boxer Shorts with Gripper Fasteners
- California Suede Jackets
- Catalina Sweaters
- Champ Hats
- City Club Shoes
- Clark's Desert Casuals
- Coopers Underwear
- Crosby Square Shoes
- Crosscord and Heeksuede Sportswear
- by Berkay
- Cutter Gravel Ties
- Dan River Mills—Kasha Shirts
- Dobbs Hats
- Drexel Hosiery
- Eagle Clothes
- Edgerton Shoes
- Evans Casuals
- Florsheim Shoes
- Foot-Joy Shoes
- Footwear with Cush-N-Crepe Soles
- Freeman Shoes
- Gramercy Park Clothes
- Hammonton Park Clothes
- Harriswear Sport Jackets
- Janzen Sweaters
- Jarman Shoes
- Jockey Underwear
- Julliard Julliard in Block Jackets
- Julliard Lusteroy in Fish Jackets
- Kent Socks
- Knothe Belts
- Knox Hats
- Lamb Knit Sweaters
- Leather Industries of America (Leather footwear and accessories)
- Mansfield Shoes
- Marlboro Shirts and Sportswear
- Massagic Shoes
- Masterbilt Slacks
- Mavest Sport Coats
- Mayfair Slacks
- Millum (Westbrooke Clothes)
- Miliken's Lockhart Fiber in Tailored Clothing
- New Era Sportshirts
- Nunn-Bush Shoes
- Pacific Mills (Timely Clothes)
- Paris Belts
- Pendleton Sportswear
- Personality Clothes
- Phi Bates Shoes
- Pietway Pajamas
- Plymouth "Weather-Ready" Coats
- Portis Hats
- Porto-Ped Shoes
- Rainfair Rain Topcoats
- Rand Shoes
- Record Clothes
- Regal Shoes
- Revere Verelama Sweaters
- Roblee Shoes
- Rugby Sportswear
- Saxon Slacks
- Schaefer Clothing
- Seven Seas Slacks
- Shoes with Barbour Stormwelt
- Sobell Leather Belts
- Sport Chief Jackets
- Sport Shirts of Mission Valley Fabrics
- Sportswear with Talon Zippers
- Stacy-Adams Shoes
- Sun Suedes Sportswear
- Timely Clothes
- Town & Country Sportswear
- Van Heusen Shirts
- Vicara Fiber in Rugby Sportswear
- Wembley Ties
- Wings Shirts
- Winthrop Shoes
- Yorktown Shoes
- Zero King Outercoats

LEATHER GOODS

- Dopp Kit
- Prince Gardner Leather Accessories

JEWELRY

- Keepsake Diamond Rings
- Parker Pen
- Pioneer Jewelry, Belts
- Shaeffer Pen
- Swank Jewelry

TOILETRIES

- Lucky Tiger Hair Tonic
- Mennen Cream Hair Oil
- Seaforth Toiletries
- Shulton Old Spice Toiletries
- Suave Hairdressing
- Vitalis Hair Tonic

MISCELLANEOUS

- Bausch & Lomb Binoculars
- Durafone Playing Cards
- Harvey Audio Equipment
- Kodak Cameras
- Marie Designer Chair
- Oster Stim-U-Lax Junior
- Sir Walter Raleigh Pipe Tobacco
- TBC Slide Projectors
- V-M Phonographs

Freshman Dance Sat. Night In Gym

The College Union, in conjunction with the Campus Government, is sponsoring a Freshman dance in Frank Thompson Gym tomorrow night from 8 to 11.

All Freshmen are cordially invited to attend the dance. Those who did not get tickets at the orientation assembly in the Coliseum last night may pick up tickets at the College Union Office in 1911 building.

Girls from Peace College, Rex Hospital and State Hospital have been invited to the dance and a large number are expected to attend.

Archie Spears band will furnish the music. Free refreshments in the form of punch and cookies will be served.

carry forward its three principal objectives:

- (1) The training of students,
- (2) research investigations in various technical fields, and
- (3) service operations designed to aid agriculture, industry, and various other economic fields.

The most significant work in non-military nuclear research advancement in the Southeast, Dr. Beck indicated, is currently centered at State College, where the world's privately owned nuclear reactor devoted to the exploration of the peacetime uses of atomic energy will soon go into operation.

Long a leader in technological developments in the South, State College has accepted the challenge of the atomic era by pioneering in the establishment of the first non-Atomic Energy Commission research and training project in nuclear engineering in the United States.

The research and training program is administered by the Physics Department, in the School of Engineering, of which Dean J. H. Lampe is the head. The project was conceived and initiated by Dr. Beck and has been brought to its present status under his guidance. Dr. Beck, a native of Salisbury, was active in Columbia University's Manhattan Project, which developed the atomic bomb.

NCS Reactor Running First Outside AEC

Physics Department in Charge of Device to be Used for Research Into Peacetime Uses of the Atom

The world's first nuclear reactor used exclusively for the peacetime development of the atom was put into operation at North Carolina State College for the first time recently.

With the opening of the reactor, the college began a new era of scientific training and research.

A national pioneer in the peacetime development of the atom, State College already is offering B.S., M.S., and Ph.D. degrees in the field of nuclear engineering.

Dr. Clifford K. Beck, head of the State College Physics Department, said the institution built the reactor as a teaching and research tool. It is the first of its kind to be set up outside the restricted confines of the Atomic Energy Commission.

All of the college's atomic work, Dr. Beck said, has but one aim: to harness the atom for peace.

The erection of the nuclear reactor at the college and the development of the nuclear training program, he stated, are activities which will enable State College to

KEY STUDENTS IN STATE COLLEGE UNION



The officers and committee chairmen of your College Union above, have prepared a varied program of campus activities for more than 4,000 students now arriving for the fall term. Top row, left to right: David Phillips of Mount Olive, president; Davis Turnage of Chapel Hill, vice president; Ernest Moore of Bethesda, Md., secretary; Dott Morton of Raleigh, hospitality committee; James Thorne of Farmville, photography committee; and Wade Parker of Fayetteville, film committee. Committee chairmen shown on the middle row, left to right: Wayne Washburn of Benson, outing; James Browning of Burlington, music; Harry Moser of Raleigh, gallery; Gene Krider of Statesville, library; Stewart Kaplan of Newburgh, N. Y., house; John Tester of Lenoir, activities; and William Murphy of Philadelphia, Pa., dance. Bottom row, left to right: Charles Ayerre of San Jose, Costa Rica, social; Chreston Martin of Landrum, S. C., forum; David Brown of Raleigh, hobby; James Barlow of Lenoir, publicity; Jackie Snow of State Road, games; and Stephen Tolces of Hewlett, N. Y., theater.

The two paramount objectives of the N. C. State projects are (1) the training of nuclear engineers, and (2) the exploration of potential peacetime applications of nuclear processes. The entire project, including the reactor, is on a non-

restricted basis and will be freely accessible to the general public for inspection as well as to the staff and students for instruction and research.

The college's nuclear reactor which, in position, somewhat re-

sembles a huge concrete derby with a wide, thick, flat brim, will serve as the key tool in the nuclear training program. The installation, whose primary purpose is to produce waves or beams of radiation (Cont. on page 5)

How the stars got started ☆☆☆



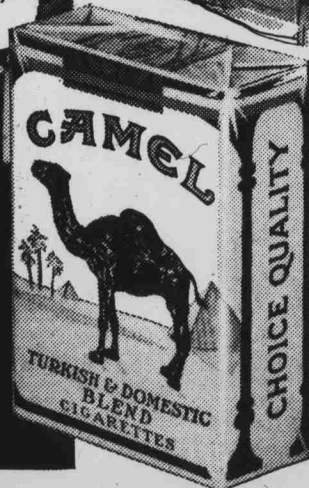
Mickey Mantle says:

"My Dad played semi-pro ball and wanted me to play ball, too. He put a glove on my hand when I was just a kid. I loved baseball from the start - and I worked hard at it to be good. So far it looks like it paid off."

I STARTED SMOKING CAMELS WHEN I JOINED THE YANKEES BECAUSE SO MANY OF MY TEAMMATES SMOKED THEM. THAT WAS A SMART DECISION. CAMELS ARE MILD AND SWELL TASTING!

Mickey Mantle

N. Y. YANKEE STAR



Start smoking Camels yourself!

Smoke only Camels for 30 days and find out why Camels are America's most popular cigarette. See how mild and flavorful a cigarette can be!

14119S

For Mildness and Flavor

CAMELS AGREE WITH MORE PEOPLE

THAN ANY OTHER CIGARETTE!

D. H. HILL LIBRARY
North Carolina State College

Some Words of Welcome and Advice for the Class of '57"

The editor, speaking for himself and the staff, of the **TECHNICIAN** takes this occasion to welcome the new Freshman class.

We sincerely hope your college career will be both pleasant and constructive.

To make it both pleasant and constructive requires that you make the most of your school work, engage in at least one extra-curricular activity and use your spare time wisely. Since your main object in coming to college is, in most cases, to acquire skills needed to earn a living you naturally must work hard at your school work.

To make your college stay pleasant you must become a part of the school which can best be managed by engaging, with other students, in some activity which is of interest to you. School spirit, which you will hear quite a bit about during the next four years is nothing more than taking an active interest in the affairs of your school. It can best be served by your active interest in some part of the school. The whole is a combination of parts and the whole of State College stays healthy as much through the passive listening of the College Union music devotees as through the frantic motions and loud yells of a football fan.

There remains your spare time, of which you will have more than you probably expected when you enrolled at State. Spare time is your own and should be spent in any way you choose. However, there are certain limitations on ways which should be mentioned.

First and foremost you should not spend your spare time in noisy activities of any kind in the dorms during the evenings. Other students may be studying.

Secondly we wish to say that engaging in or inciting riots and activities of a "panty raid" nature will be frowned on by the majority of your classmates as well as the school authorities.

We believe this Freshman class

contains few individuals so lacking in imagination or so far out on the lunatic fringe of society that they will be unable to think of better ways of amusing themselves.

In closing we wish you much good luck and remind you that if you feel somewhat bewildered and lonely at the moment you will be relieved to know the guy next to you probably feels the same.

Construction School Featured in Magazine

A feature article on the construction curriculum in the School of Engineering at North Carolina State College is carried in the current issue of *The Contractor*, a national magazine published in Washington, D. C.

Two pictures showing students at work in State College engineering laboratories are used as illustrations for the article.

The construction curriculum in the State College School of Engineering is supported by the Carolinas Branch, Associated General Contractors of America, through the North Carolina Engineering Foundation.

The four-year training program is operated in the Civil Engineering Department of State College and leads to a Bachelor of Science degree in construction.

In its article, *The Contractor* says:

"The North Carolina State College construction curriculum is designed to prepare the student to enter the construction industry by training him adequately for future work as an owner, manager or executive in the industry. It is recognized that the majority of men entering the industry require some engineering training. But it is borne in mind that they will also face problems of labor, management, organization and finance.

"The curriculum provides a reasonable balance of training in these

ICE CAPETS REHEARSE FOR COLISEUM SHOW



These six young skating stars, who will appear in "Ice Capades of 1954" in the William Neal Reynolds Coliseum at North Carolina State College Nov. 3-7, are pictured here as they enjoy the water at Malibu Beach, Calif., where they are rehearsing for their parts in the forthcoming production of *Ice Capades*. These members of the famous "Ice Capets" are, left to right: Lois Proffer, Marilyn Meth, Janis Adams, Lorraine Leiter, Janet Collins, and Margo Snyder.

It's In The Book

What does the law say about following too closely? I don't believe there is any specific distance outlined.

K. L. M.
Mt. Holly

Your're right. The Motor Vehicle Manual doesn't specify a set distance for tailing another vehicle.

fields and gives the student a firm foundation on which he can build

However, the regulation reads as follows: "The driver of a motor vehicle shall not follow another vehicle more closely than is reasonable and prudent, with regard for the safety of others and due regard for the speed of such vehicles and the traffic upon the condition of the highway." This rule doesn't count

through self-effort on the job in later years."

for trucks, though. Outside business or residential areas they must not follow within 300 feet of another vehicle.

TECHNICIAN

Offices 137-139 1911 Bldg. ...
Editor-in-Chief...George R. Obenshain
Bus. Mgr.....Jerry Jones

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PROGRAM OF FRESHMAN WEEK 1953-54

September 17-22 inclusive

For Freshmen and College Transfers with no advance standing

Be careful not to lose any of the material given you during Freshman Week
SATURDAY, SEPTEMBER 19th

Remain in the same group for the Saturday morning tests, scheduled as follows:

- | | |
|---|--|
| Group I: A-Di
8:00 Hygiene Test-Textile Auditorium
9:00 Chemistry Test-Textile Auditorium
10:00 Physical Skills Test-Gymnasium
11:00 Free | Group IV: Me-Q
8:00 Free
9:00 Free
10:00 English Test-Riddick 242 |
| Group II: Do-Hen
8:00 Physical Skills Test-Gymnasium
9:00 Free
10:00 Hygiene Test-251 Williams Hall
11:00 Chemistry Test-251 Williams Hall | Group V: R-So
8:00 Mathematics Tests-111 Broughton
10:00 Free |
| Group III: Hep-Ma
8:00 English Test-118 Withers Hall
10:00 Free | Group VI: Sp-Z
8:00 Free
9:00 Free
10:00 Mathematics Tests-Library |
| | Foreign Students
9:00 Orientation by language groups
Meet at 215 Peele Hall |

Those who have not cleared with the Business Office should also do this before 12:00 Noon on Saturday in Holladay Hall. The Business Office will be in its regular location in Holladay Hall on Saturday.

1:30 P.M. Meetings by Schools

- | | | |
|--|--------------------|------------------|
| Students in Agriculture | 118 Withers Hall | Dean Colvard |
| Students in Education | YMCA Auditorium | Dean Kirkland |
| Students in Design | 315 Daniels | Dean Kamphoefner |
| Note: (12:15 meet for lunch 315 Daniels) | | |
| Students in Engineering | Pullen Hall | Dean Lampe |
| Students in Forestry | 159 Kilgore | Dean Preston |
| Students in Textiles | Textile Auditorium | Dean Campbell |

8:00 P.M. Open House—Frank Thompson Gymnasium—College Union

SUNDAY, SEPTEMBER 20th

8:30 A.M. All foreign students have breakfast together in Room A College Cafeteria—Dr. Roy N. Anderson

9:00 A.M. The churches of Raleigh extend to all freshmen a warm welcome to Services. The churches in cooperation with the College YMCA will provide transportation, in front of Owen and Tucker dormitories, to the church of your choice in the City of Raleigh.

3:30—5:30 P.M. Meet Chancellor and Mrs. Carey H. Bostian—Holladay Hall—All Freshmen are expected to attend

MONDAY, SEPTEMBER 21st

Freshmen must have their blue permit and white Alumni card, properly filled out before they will be admitted to the Coliseum or have an X-ray made. BEFORE ENTERING THE COLISEUM, EACH FRESHMAN MUST HAVE AN X-RAY MADE. (X-ray trucks are just east of the Coliseum.)

Last names beginning with the letters	Report to Coliseum at
A through B	7:30 A.M.
C through E	9:00 A.M.
F through H	10:00 A.M.
Ho through L	11:00 A.M.
M through O	12:00 Noon
P through Z	2:00 P.M.

NOTE: As soon as each student completes his registration at the Coliseum he should go to the bookstore to secure his books and supplies and if accepted for military, he should report to the Armory (basement of the gymnasium) to secure his uniform and equipment.

4:00—

6:00 P.M. Band Auditions—Frank Thompson Gymnasium

7:30 P.M. Assembly, William Neal Reynolds Coliseum

Presentations: E. L. Cloyd, Dean of Students
Carey H. Bostian, Chancellor

Monogram Club Program

TUESDAY, SEPTEMBER 22nd

	8-10	10-12	1:30-3:30	3:30-5:30
A — BR	General Ability Test Textile Auditorium	Agromeck Pictures Band Auditions — Gymnasium	Orientation Meeting Pullen Hall	Reading Test Withers 118 3:30-4:30
BU — DI	General Ability Test Textile Auditorium	Agromeck Pictures Band Auditions — Gymnasium	Orientation Meeting Pullen Hall	Reading Test Withers 118 4:30-5:30
DO — G	Band Auditions — Gymnasium Agromeck Pictures	General Ability Test Textile Auditorium	Reading Test Withers 118 1:30-2:30	Orientation Meeting Pullen Hall
H — KA	Band Auditions — Gymnasium Agromeck Pictures	General Ability Test Textile Auditorium	Reading Test Withers 118 2:30-3:30	Orientation Meeting Pullen Hall
KE — MA	Orientation Meeting Pullen Hall	Reading Test Withers 118 10-11	General Ability Test Textile Audm.	Agromeck Pictures Band Auditions — Gymnasium
MA — REE	Orientation Meeting Pullen Hall	Reading Test Withers 118 11-12	General Ability Test Textile Audm.	Agromeck Pictures Band Auditions — Gymnasium
REF — S	Reading Test Withers 118 8-9	Orientation Meeting Pullen Hall	Agromeck Pictures Band Auditions — Gymnasium	Gen'l. Ability Test Textile Auditorium
T — Z	Reading Test Withers 118 9-10	Orientation Meeting Pullen Hall	Agromeck Pictures Band Auditions — Gymnasium	Gen'l. Ability Test Textile Auditorium

Pictures for AGROMECK are voluntary; however, all State College students are encouraged to participate. Picture fee is \$2.50 for all students, including veterans. (The Veterans Administration does not pay this fee.) Collection for the \$2.50 will be made in the Winter Term.

7:30 P.M. All new foreign students are required to meet in the First Floor Lounge—Peele Hall.

WEDNESDAY, SEPTEMBER 23rd

8:00 A.M.—Classes begin—Be sure you know in advance where to report for class.

New Mail Pick-up System In Effect

Mr. Jack Stewart, Director of Student Housing at State has announced the details of the new Post Office mail pick-up plan as it will operate on campus.

The mail will no longer be collected in individual dorms but must be placed in one of three boxes to be placed at the Owen-Tucker canteen, the Berry-Bagwell-Becton quadrangle and the Y.M.C.A. The mail will be collected from these boxes at least twice and possibly four times daily. Mail delivery to

the dorms will operate as it did last year.

The new pick-up system is like those being inaugurated all over the country and which are designed to save money for the Post Office department.

Post Office officials first wanted to install only one box on the campus but the efforts of Mr. Stewart resulted in this being increased to three.

These three boxes are the only places on campus where mail will be collected.

Southern Firms Support Pulp and Paper Tech Work in Forestry School

Eleven of the South's major pulp and paper mills have thrown their support behind a newly-developed training and research program in pulp and paper technology in the School of Forestry at North Carolina State College.

Announcement of the industrial interest in the training work was made recently by Dean Richard J. Preston of the college's School of Forestry and Prof. C. E. Libby, head of the curriculum in pulp and paper technology in the school.

Industrial firms from five Southern states and the executives from each who are now supporting the college program are:

James L. Madden, Hollingsworth and Whitney Company, Mobile, Ala.; John L. Riegel, Riegel Paper Corporation, Acme; Hans A. Eggers, Continental Can Company, Hopewell, Va.; Reuben B. Robertson, Champion Paper and Fibre Company, Canton; F. D. Gottwald, Halifax Paper Company, Roanoke Rapids.

Hugh D. Camp, Camp Manufacturing Company, Franklin, Va.; E. J. Gayner, III, Mead Corporation, Sylva; E. J. Gayner, III, Brunswick Pulp and Paper Company, Brunswick, Ga.; Vertrees Young, Gaylord Container Company, Bogalusa, Ala.; William F. Bowld, Buckeye Cotton Oil Company, Memphis, Tenn.; and G. W. E. Nicholson, Union Bag and Paper Corporation, Savannah, Ga.

Dean Preston said the industrial representatives have provided the college officials with technical guidance in setting up the new curriculum and have agreed to continue their advisory services to the school.

Following the appropriation of \$200,000 for a pulp and paper laboratory by the 1953 General Assembly, officials of the School of Forestry at State College are now working on plans for the laboratory and are pushing other efforts to advance the training and teaching program in pulp and paper.

The plan bears the approval of the Southern Regional Education Board, which views the pulp and paper work as a key factor toward further industrial progress in the South.

Professor Libby, in commenting on his work, said that the South is faced with "a terrific shortage" of qualified personnel for its pulp and paper mills and that the principal purpose of the new training program is to meet entrance requirements of the awarding institution.

Primary aim of the scholarship is to train young men whose total personal qualities upon graduation can offer a significant contribution to the aircraft industry, and help expand America's industrial horizons, Dean Lampe stated.

Acceptance of employment with Lockheed is not required on the part of the winner after college graduation nor is an offer of employment by Lockheed guaranteed.

North Carolina State College is one of 15 colleges and universities in the United States at which the Lockheed scholarship is available. Administrator of the Lockheed Leadership Fund is D. H. Cameron of Burbank, Cal., Corporate Director of Industrial Relations.

REACTOR—

(Cont. from page 3)

for study and research, is approximately 17 feet wide and 10 feet high.

The \$380,000 one-story building which houses the reactor includes training and research laboratories as well as an observation room. Space is provided to seat 55 persons and existing facilities will enable the public to observe atomic processes through exhibits and demonstrations which they will view through television screen-like panels of heavy, water-cushioned glass.

Among the uses of the reactor will be the accumulation of information which may spur atomic power development, the generation of radiation for research in all areas of physics, chemistry, biology, medicine, agriculture, and associated fields, and the production of radioisotopes for use in experiments in medicine, chemistry, agriculture, and metallurgy.

The atomic radiation made possible by the State College reactor and used for research application will be more than could be obtained from \$200,000,000 worth of radium.

The State College reactor was built and will be operated com-

pletely under the control and direction of the college.

Estimated cost of the reactor and auxiliary equipment is \$120,000. The approximate cost of the new laboratory building is \$380,000 and this was financed jointly by the Burlington Mills Foundation; the General Assembly; and State College. The initial gift of \$200,000 to begin construction of the building was made by Burlington Mills Foundation.

Additional equipment located in the laboratory building and used in connection with the reactor research cost \$120,000. This combined total costs of approximately \$620,000 does not include the cost of staff, research work or operation.

The full-scale nuclear engineering training program, which will use the reactor as a basic research tool, is now in action with an enrollment of 114 persons, including three foreign students. To date, 57 nuclear engineers have been graduated.

These graduates are now working on major reactor development projects in the nation. Several are assisting in development of nuclear powered submarines for Westinghouse or General Electric. Others are employed on nuclear powered aircraft projects under the au-

There are more automobiles than telephones on American farms, U. S. Census figures show.

Auto dealers provided more than 6,000 new passenger cars for high school driver training programs in 1952. The cars were valued at 12 million dollars.

An eighth of all local, state and federal taxes—more than 7.5 billion dollars a year—come directly from the manufacture, sale and use of motor vehicles and automotive equipment.

GASTONIA—

(Cont. from page 2)

Psychology; Dr. A. R. Solem of the Department of Psychology; J. C. MacLachlan, industrial engineer for the R. J. Reynolds Tobacco Company, Winston-Salem; and Dr. H. A. Lynch, president of Herbert Lynch and Association, Charlotte.

Further information may be obtained by writing the Extension Division, North Carolina State College, Raleigh.

species of Consolidated Vultee, Pratt Whitney or General Electric; and numerous nuclear technicians are attached to reactor projects at one or another of the AEC's national laboratories.



GEORGE B. CLINE, JR.

Chapel Hill Frosh Wins Cash Prize

George B. Cline Receives \$500 Lockheed Scholarship Selected From Among 46

George B. Cline, Jr., a 1953 high school graduate of Chapel Hill, has been awarded a Lockheed National Engineering Scholarship in the School of Engineering at North Carolina State College.

The award, sponsored by Lockheed Aircraft Corporation as a Lockheed Leadership Fund Scholarship, provides for the payment of tuition and fees and \$500 for regular school expenses. The recipient is to major in a field of engineering applicable to the aircraft manufacturing industry.

Dean Lampe stated that Cline, who plans to major in civil engineering, "was chosen from a group of some 46 young men who applied for the scholarship."

Cline's high school career has been marked by superior scholarship and extra-curricular activity. He was president of the Library Club with two years' attendance at the State Library Convention, president of his sophomore class, a member on the junior varsity basketball squad, and engaged in choral work in the school Glee Club.

Valedictorian of his senior class, Cline also received the Bausch and Lomb Science Medal for outstanding scholarship in science. He is the son of Col. and Mrs. George B. Cline of Chapel Hill. His father is a 1926 graduate of State College.

Cline was chosen for the award on the basis of leadership, scholarship, citizenship, excellence of moral character, general aptitude

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Cornell Scientist To Study Bloat

Research workers at North Carolina State College are concentrating their attention on one of the major ailments hampering the State's expanding livestock industry—bloat in cattle.

In reporting this recently, Dr. J. W. Pou, head of the college's Department of Animal Industry, announced that Dr. Sedgwick E. Smith, professor of animal husbandry at Cornell University, is spending six months' sabbatical leave at N. C. State to work on the bloat problem.

Dr. Smith, a national authority in the fields of nutrition, physiology, and genetics, is a visiting professor in the Department of Animal Industry during his stay at State College. He came to the campus August 1 and will complete his work here January 31.

The Cornell scientist, widely known as a teacher and writer, "will make a complete review and study of the literature on the subject of bloat in cattle," according to Dr. Pou's announcement.

After completing the study, he will make suggestions on future research approaches on the bloat problem for possible application at the North Carolina Agricultural Experiment Station here at the college. His work here will be chiefly directed toward the solution of the cattle bloat problem, Dr. Pou said.

Dr. Smith will also participate in the seminars and conferences of the State College Animal Industry Department and will spend some time consulting with staff members in the department.

A native of Elkins, W. Va., Dr. Smith earned his B.S. degree from Pennsylvania State College and his Ph.D. degree in physiology and biochemistry from Cornell University. Prior to joining the Cornell faculty in 1946, he was connected, in vari-

ous research capacities, with the U. S. Department of Agriculture.

He has written approximately 50 scientific papers in the fields of nutrition, physiology, and genetics. He is co-author of "Food for Life," published by the University of Chicago Press in 1952, and is a con-

tributing author of "Agricultural Chemistry," published by Van Nostrand Company in 1951.

While in Raleigh, Dr. Smith is residing at 224 North East Street.

PULP—

(Cont. from page 5)
gram at State College is to train the men needed by these mills.

E. J. Gayner, III, president of the Brunswick Pulp and Paper Company, Brunswick, Ga., in an address at the college last November, touched on the same point when he said:

"I shall like on behalf of the industry to express to you people the crying need of the industry and people in the industry for this training of young people to supply unlimited needs now and in the future for our industry. . . ."

Continuing his remarks, Gayner said, "I spend 50 per cent of my time trying to conduct the affairs of my Company on forestry matters and the other 50 per cent on personnel matters.

"A large portion of the personnel affairs and considerations are in the direction of trying to find

people who will step up to the responsibilities that are just around the corner, waiting for them. I want to extend my congratulations to North Carolina State College for seeing this need and stepping in and making a real effort to help meet this need. . . ."

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