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 9.

He was recommended for the position by chancellor of State College by President John Gray at a special meeting of the board of trustees of the Consolidated University of North Carolina Friday, June 12, 1983, and the board unanimously elected him as the successor to Chancellor J. W. Harrelton.

Campus Radio Station 580 on Your Dial

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

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

Youth*Young Engineers Start at $341.00*Report Issued By Wicker*Shows 67% Of NCS Grads Find Employment in Southbound*An increased number of job opportunities are found among the graduates of the School of Engineering at N.C. State College during the year 1960, according to a tabulation of employment opportunities obtained by the students of the School of Engineering, October 1960.

The program this year is tentative as follows: the day will be September 25th at 2 p.m., the date of the Christmas football game, which will be followed by the celebration of the activities of the three schools and a short address by Gordon Gray, president of the Consolidated University. After the game there will be a reception and the Graham Memorial Student Union at which the activities of the three schools will be discussed.

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

SPECIAL FRESHMAN ISSUE

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. Floyd, 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 freshman classes at State College.

There were 1,096 freshmen registered at the college this 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 in a year of没见过 before. The institution first opened its doors on October 3, 1899.
Freshmen Roddy Fields, Pete Tuttle Win $200 Kroger Scholarships

RODDY H. FIELDS

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

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

Fields and Tuttle, both of whom are enrolled as freshmen in agriculture at the college will receive $300 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. Rohab Harper Fields, was graduated from the Plant Guard School, Guilford County, last May. He is a member of all "A's" in high school and ranked second in his graduating class of 29 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 Industrial Engineering beginning in October.

This was announced recently by Prof. David K. 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's industrial management, the courses will each consist of eight 3-hour periods with two 1-hour classes each week.

The program, entering its third year of operation, is offered to promote men who with at least six months 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, marketing, production, and one-third of the course is devoted to 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. Furnace, B. W. Llewellyn, and Russell Reed, all of the Department of Industrial Engineering; Dr. D. J. Nesbit, head of the Department of (Cont. on page 5)
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 tick-

NCS Reactor Running  
First Outside AEC
Physics Department in Charge of Device to be Used for Research  
Into Peace Time 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, the 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 commission 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

For Mildness  
and Flavor

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

KEY STUDENTS IN STATE COLLEGE UNION
The offices 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;  
Davin Turnage of Chapel Hill, vice president;  
Ernest Moore of Bethoosa, M.R., secretary;  
Boo Morton of Raleigh, hospitality committee;  
James Thorne of Farmville, photography committee;  
and Wade Parkor of Fayetteville, film committee, Committee chairmen shown on the middle row, left to right, Wayne W. Wather of Benson, outling;  
James Brown of Burlington, music;  
Harry Moser of Raleigh, gallery;  
Gene Kriker of Statesville, library;  
Stewart Kaplan of Newburgh, N. Y., house;  
John Tester of Lemor, activities;  and  
Thomas Murphy of Philadelphia,  
Pancakes. Bottom row, left to right:  
Charles Averis of San Jose, Costa Rica, social;  
Chowan Martin of Landrum, S. C., forum;  
David Brown of Raleigh, hobby;  
Barlow of Lemon, publicity;  
Jackie Snow of State Road, games;  
and Stephen Toles 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-
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 bear 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 constant listening of the College Union music devotees as through the constant motions and loud yells of a football fan.

The remaining part of your 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 talking or studying, and you should be careful not to disturb them.

Secondly we wish to say that engaging in energetic or noisy 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 human scale of society that they will be unable to think of better ways of amusing themselves.

In closing we wish you much success and remind you that if you feel somewhat bewildered and lonely at the moments 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 Constructor," a national engineering publication 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 School of Engineering is supported by the Carolina 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 Constructor" 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 a qualified manager or executive in the industry. It is emphasized that the majority of men entering the industry require some engineering and business training.

"But it is borne in mind that they will also face problems of labor, management, and the like. Therefore, the curriculum provides a reasonable balance of training in those fields and gives the student a firm foundation on which he can build through self-effort on the job in later years."

It's In The Book

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

K. L. M.

M. Holly

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

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 to the safety of others and due regard for the speed of such vehicle and the traffic upon the portion of the highway." This rule doesn't count through self-effort on the job in later years.

For Freshmen and College Transfers with no advance standing

Be careful not to lose any of the material given you during Freshman Week.

PROGRAM OF FRESHMAN WEEK 1953-54

September 17-22 inclusive

SUNDAY, SEPTEMBER 20th

3:00 P.M. All foreign students have breakfast together in Room A College Cafeteria—Dr. Roy N. Anderson

3:30 A.M. The churches of Raleigh extend to all freshmen a warm welcome to Services. The churches are cooperated with the College YMCA will provide transportation front of Fray 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

9:30 A.M. — The Smiths, Mr. and Mrs. Joe Smith, Cordy's Jewellers, 816 West Eighteenth Street, will distribute rings to the fall freshman class of 1953-54. Students are required to wear their rings while on campus for identification purposes.

10:00 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 10:00 A.M. today.

11:00 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 11:00 A.M. today.

1:00 P.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 1:00 P.M. today.

5:00 P.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 5:00 P.M. today.

TUESDAY, SEPTEMBER 22nd

9:30 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 9:30 A.M. today.

10:00 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 10:00 A.M. today.

11:00 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 11:00 A.M. today.

1:00 P.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 1:00 P.M. today.

5:00 P.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 5:00 P.M. today.

WEDNESDAY, SEPTEMBER 23rd

9:30 A.M. — Notice to all freshmen registered for this semester, who have not made their financial arrangements for this semester, must report to the Business Office of the College not later than 9:30 A.M. today.
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 the dorms.

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 cantine, the Berry-Byrue-Barton 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 that used in many towns 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 campus but the efforts of Mr. Stewart resulted in the installation of 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 promised support behind a newly-developed training and research program in pulp and paper technology at the School of Forestry at North Carolina State College.

Announcement of the industrial support for pulp and paper technology research has been made recently by Dean Richard J. Preston of the college’s School of Forestry. Dr. E. Libby, head of the curriculum in pulp and paper technology, said in a statement that:

- 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, Mobile, Ala.;
  - John L. Riegel, Riegel Paper Corporation, Annapolis, Md.;
  - E. A. Eggers, Continental Can Company, Hopewell, Va.;
  - Reuben B. Robertson, Champion Paper and Fibre Company, Canton; and

Hugh D. Camp, Camp Manufacturing Company, Decatur, Ala.;

J. G. γ Guyner, III, Mead Corporation, Syracuse, N. Y.;

John E. & J. E. Libby, Libby, head of the curriculum in pulp and paper technology, in the school’s; and

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

George B. Cline, Jr.

Chapel Hill Frosh Wins Cash Prize

George B. Cline receives $500 Lockhead Scholarship Selected From Among 46.

George B. Cline, Jr., a 1963 high school graduate of Chapel Hill, has been awarded a Lockhead National Engineering Scholarship in the School of Engineering at North Carolina State College.

The award, sponsored by Lockhead Aircraft Corporation as a Lockheed Leadership 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 Lamp stated that Cline, who plans to major in civil engineering, “was chosen from a group of some 45 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, president of the school scholarship association, a member on the junior varsity basketball squad, and engaged in normal work in the school Glee Club.

Valdostarian 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 1936 graduate of State College.

Cline was chosen the award on the basis of leadership, scholarship, citizenship, excellence of moral character, general aptitude for college work, and ability to meet the requirements of the awarding institution.

President Preston considers the scholarship to be train young men whose total personal qualities upon graduation can be of substantial contribution to the aircraft industry, and help expand America’s industrial horizons, Dean Lamp stated.

Acceptance of employment with Lockhead Aircraft Corporation is contingent upon the winner after college graduation as an offer of employment by Lockhead guaranteed.

North Carolina State College is one of 11 colleges and universities in the United States at which the Lockheed scholarship is available. Administrator of the Lockheed Leadership Fund is Dr. H. Cameron of Burlington, Calif., Corporate Director of Industrial Relations.

THE TECHNICIAN

REACTOR—

(Conf. from page 2)

for study and research is approximately 17 feet wide and 15 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-likes 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, and medicine, 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 is articles 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 completely 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 of approximately $260,000 does not include the cost of staff, research work or operation.

The reactor full-scale nuclear engineering training program, which will use the reactor as a basic research tool, is now in action with an enrollment of 141 persons, including three foreign students. To date, 97 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 and General Electric. Many are employed on nuclear-powered aircraft projects under the auspices of Consolidated Vultee, Pratt Whitney or General Electric, and many nuclear technicians are employed on reactor projects at one or another of the AEC’s national laboratories.

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

Auto dealers provided more than $600 new passenger cars for high school driver training programs in 1962. The cars were valued at $12 million dollars.

An eight of all local and state federal taxes—more than $120 billi-
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. P. Pou, professor 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 various 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 contributing 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. Gaynor, 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, Gaynor 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. . . ."

Welcome Freshmen

When you smoke Chesterfield it's so satisfying to know that you are getting the one cigarette that's low in nicotine, highest in quality.

A fact proved by chemical analyses of the country's six leading cigarette brands.

And it's so satisfying to know that a doctor reports no adverse effects to the nose, throat and sinuses from smoking Chesterfield.

The doctor's report is part of a program supervised by a responsible independent research laboratory and is based on thorough bi-monthly examinations of a group of Chesterfield smokers over a period of a year and a half.

CHESTERFIELD BEST FOR YOU

LARGEST SELLING CIGARETTE IN AMERICA'S COLLEGES

Chesterfield is best for me—my steady smoke for 7 years.

Ben Hogan WORLD'S GREATEST GOLFER

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