

Please do not Digress
Protect de'Grass

the Technician

Vol. XXXIII, No. 3 State College Station, Raleigh, N. C., Oct. 10, 1952 Offices 137-139 1911 Bldg.

The College maintenance and grounds department has recently created several extensive grass plots in the vicinity of Ricks Hall and the 1911 Building. Exercising great care, the grounds crew has succeeded in laying new bases for these seedbeds, and have applied substantial amounts of compost material and fertilizer to them.

After the beds were raked smooth, rope fences were erected around them, and signs attached which should have insured the young sprouts adequate privacy; however, the signs and ropes have proven ineffective rather frequently, as students seeking the straightest and shortest distance between two points boldly ignore them and trample diagonally across the beds. A child would be soundly spanked were he caught in this act.

Now that State College is going through a metamorphosis stage and shows every indication of emerging a beautiful swan in marked and welcome contrast to the ugly duckling which it formerly was, those transgressors who persist in their flagrant violation of the laws of common decency should take heart before next seeking to disfigure or destroy that which has been so long in planning and finally coming—namely the State College Campus beautiful.

Dairy Judges Fourth

North Carolina State College's student dairy products judging team won fourth place in the Southern Dairy Products Judging Contest held last week in Nashville, Tenn., college authorities announced yesterday.

The team, composed of three North Carolina students, ranked third in the judging of cheese, fourth in milk judging, sixth in ice cream, and eighth in butter.

A team representing the University of Georgia took first place in the contest. Ten Southern colleges and universities participated in the event.

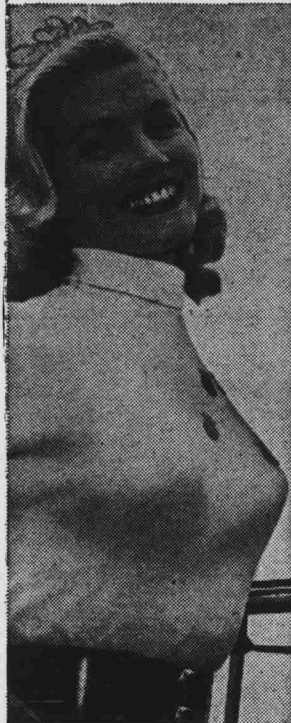
The State College team was composed of Jacob W. Aycocock of Goldsboro, Ronald Biggerstaff of Shelby, and Ronald Chambers of Draper. The team's coach was Dr. Frederick G. Warren, faculty member in the State College Animal Industry Department.

Biggerstaff was the third highest ranking individual in the ice cream division of the contest and received an award for his work.

(Continued on Page 8)

Step aside, Marilyn, to make way for THE TECHNICIAN'S nomination of: THE GIRL WE'D LIKE MOST TO PULL THE WOOL OVER OUR EYES.

Sweater Queen



(Wool Bureau Photo)

WINNER IN WOOL. Jeanne Davis, 22-year-old hazel-eyed blonde from Opp, Alabama, is the proud winner of the title "Miss Sweater Girl, 1952." Chosen from a field of 500 aspirants in the annual Sweater Girl competition, she is seen here in her sparkling crown and the soft, all-wool turtle-neck sweater which helped her catch the judges eyes.

LOST:

Man's tan pigskin zipper wallet near Withers Hall.

Finder please call 4-2127.

Reward.

Frosh Engineers Get Credit For New Orientation Course

An orientation course for freshman students in the School of Engineering at North Carolina State College has been established this fall, and will meet for one hour a week during the present school term. Attendance is compulsory for each of the 637 engineering freshmen.

The course is intended as a comprehensive introduction and invitation for the new students to make the most of academic and extra-curricular affairs of the School of Engineering and the College as a whole.

Dean Lampe has assumed personal charge of the course, and his efforts are directed at having the students realize that the administration and the faculty of the School are interested in their overall welfare and personal problems, as well as their academic progress. He hopes to accomplish this end by his invitations to a number of faculty members and student leaders to address the freshmen on a wide variety of topics.

The Dean frankly admits that the course is an experiment, based upon his own evaluation of student needs, and open to suggestion. He hopes the students will make frequent use of the Suggestion Box which is prominently displayed at each class meeting. He has allowed time at the end of each program for questions and discussion from the students. No program has yet been arranged for the last two class meetings; he hopes students will suggest topics they are interested in.

Two distinct aims are distinguishable in the course's program: the first, to emphasize the students' needs and opportunities for personality and social development through participation in student activities; the second, to give meaning and organization to the vast number of courses which the students will be required to take during their four college years.

In the furtherance of the first (Continued on Page 2)

Union Plans Eventful Year

Thirteen major events and 34 first-rate motion pictures along with additional events, un-scheduled as yet, will be on this year's College Union program.

Director Jerry Erdahl announced that this is the largest number of events in the Union's history.

Ellis Arnall, former Georgia governor and ex-chief of the office of Price Stabilization will speak on November 14; and John C. Caldwell, former director of the "Voice of America" for the Far East will appear in February.

Among the events sponsored by the College Union are theatrical productions, musical programs, public lectures, and social events.

Farber Fans

Barry Farber, author of the article "Rag-g Mop-p" which was reprinted on the editorial page of last week's TECHNICIAN, is, pending a shift in the draft laws, the editor of *The Daily Tar Heel* for the coming year.

Glad Grad Gapes

North Carolina State College's first student, W. J. Mathews of Goldsboro, returned to his alma mater last week as the institution quietly observed the 63rd anniversary of its founding.

Looking physically fit at 82, Mathews, a retired Wayne County building contractor, drove his automobile from Goldsboro to Raleigh to mark the occasion and then returned to Goldsboro in the afternoon.

After making a brief inspection of the college's current \$15,300,000 expansion program, he commented: "It's wonderful. I never would have dreamed this could happen when I was a student here."

An amateur photographer, he visited Chancellor J. W. Harrelson and took a picture of the chancellor in his Holladay Hall office. Chatting with Colonel Harrelson between appointments, Mathews pulled out a number of newspaper clippings relating to college events and personalities which, he said, are going to make up a scrapbook.

Mathews was the first man to register in the college's original class of '72 and was one of the 19 members of that class who graduated. When he arrived at the college, he was enrolled as a freshman by W. A. Withers, the institution's first professor of chemistry.

Sporting a small camera, State's first registered borrowed a roll of film and snapped a number of pictures as he strolled about over the campus. He looks much younger than his 82 years and was in good spirits as he toured the campus yesterday.

A FAIR EXHIBIT

North Carolina State College's varied work will be on exhibit at the 85th annual N. C. State Fair to be held in Raleigh October 14-18.

Scores of college students are now drafting final plans for their exhibits, all indicating some function of the institution, and are polishing up their exhibit booths.

The college's Industrial Arts Department alone will display approximately 100 projects and will run continuous demonstrations showing various processes in ceramics, machine shop, textiles, plastics, electricity, radio, woodwork, and foundry operations.

This feature, which was said to have attracted several thousands at the 1951 State Fair, is sponsored by the Industrial Arts Club, whose president is Gene Harold Phillips of Kannapolis.

For the first time in the history of the State Fair, the State College Horticulture Club, headed by Charles Edward Lewis of Wilmington, will operate a booth in which the club members will sell North Carolina horticultural products, such as jams, jellies, potatoes, apples, peaches, and apple cider.

(Continued on Page 2)

Technician Extras

Those students entitled to them in addition to faculty and staff members who may desire them may pick up the issues of THE TECHNICIAN of September 30 and October 3 from a stack which has been provided outside the newspaper office door in the south end of the 1911 Building.

The lounges in the Textile Building, Riddick, Broughton, Peele, Pullen and Holladay are now on the circulation manager's mailing list.

As soon as the complete list of mailing addresses of off-campus students arrives, the circulation department will start sending THE TECHNICIAN to those in this category. Only one section of the alphabet is lacking at the present time, and should be on hand by the time this edition comes off the press.

Subscriptions are still being earnestly solicited. Leave your address at the 1911 Building office or call 2-4732 on Monday, Tuesday and Wednesday nights after 7:30 p.m.

COMING

Why The Draft Makes Our Young Men Angry

Editor's Note:

The next issue of THE TECHNICIAN will carry a full-length feature, which because of its pertinence, is being reprinted by special permission of COLLIER'S Magazine, and of the author, Howard Whitman.

In the following weeks, THE TECHNICIAN will again forego its usual editorial policy in order to bring to the students, several timely and comprehensive articles in addition to those humorous. They, like the article above, will be reprinted with the special permission of the publications in which they originally appeared, and the author's.

By way of an introduction to the coming article here is a statement made by Dr. John T. Rettaliata, president of Illinois Institute of Technology which accurately reflects the sentiments of THE TECHNICIAN editors.

Homecoming Plan Pushed

The Monogram Club, with the coordinated help of Blue Key and Thirty and Three, will present three big Homecoming Day events: the Miss Wolfpack Contest, the Float Parade and the Homecoming Dance.

A treasure chest of beauty will be unlocked when Blue Key opens the contest for Miss Wolfpack. This jewel will be selected from a "Pirates Hoard" of pearls submitted by dormitories, fraternities, and any organization that enters a float.

Rules call for the selection of one candidate for each float, this contender must submit three pictures in order to compete for the coveted title. One picture will be full length, one in a bathing suit, and one a portrait. All will be in black and white or sepia to assure a better likeness of the contestants. Pictures with the name and address of the sponsor must be submitted, in a plain folder, to the Blue Key at the YMCA desk by 12 noon, Monday, October 4th. Four judges will be selected; one each from the I.D.C. and I.F.C., and two from The Merchants Bureau of Raleigh. The winner will ride on the float of her sponsor.

A parade of floats built by dormitories, fraternities, and organizations will be an original this year under the auspices of Thirty and Three. This event will have dormitories and fraternities competing for prizes awarded to the best float built for \$50 or less. The floats will be judged on appearance and originality by a group of impartial Raleigh citizens. This scheme is to replace the dormitory and fraternity decorations of previous years and is expected to receive enthusiastic support. The themes are to pertain to homecoming.

The annual Homecoming Dance will again be presented by the Monogram Club in Frank Thompson Gymnasium. Miss Wolfpack will be crowned Queen of Homecoming and will be a guest of the Monogram Club.

Dance will be from 8-12 p.m. with music by the Duke Ambassadors.

Colleges Crowding

"Because the birth rate soared in the war and post-war period of the Forties, colleges and universities will by the middle Sixties face the prospect of a nation-wide enrollment which could conceivably exceed by more than one-third the comparable figure for the years of the present decade," declares Dr. G. Gary White, associate professor of sociology at Hollins College, Va.

"By 1958 the birth boom of recent years will raise the number of children in our elementary and secondary schools to more than thirty-four millions, a forty percent increase over the enrollment of 1947. By the mid-point of the next decade this rising tide of youth will reach the institutions of higher education in maximum force.

"Whether the forthcoming percentage of growth in enrollment at the college level will be equivalent to the percentage of growth at the (Continued on Page 2)

ENGR. ORIENTATION—
(Continued from Page 1)

objective, speakers will discuss the following student activities: the Engineers' Council, the Southern Engineer, the TECHNICIAN, WVWP—the campus radio station, honorary and professional engineering societies, campus leadership societies, intra-mural athletics, the Cosmopolitan Club, the Glee Club, Red Coat Band, and Little Symphony.

On the academic side of the program, the engineering curricula and grading system was explained, and there were also brief talks on studying techniques and advice and counseling. Each of the engineering department heads is scheduled to talk briefly on his own field, and the heads of the English and Social Studies departments will discuss the relation of their fields to engineering education. Dean Lampe, himself, will discuss engineering development and the engineering profession.

Each of the students will receive one credit for the course. No examinations will be given. Their grades will be based on interest shown, evidenced by attendance.

Certain phases of student life, such as the College Union, the YMCA, Student Government, and fraternities, have not been includ-

ed on the program, as these were major topics on the general college-wide orientation program for freshmen during the first week of the school term.

STATE FAIR—
(Continued from Page 1)

Another precedent will be set by the Agronomy Club, a student organization, which will present for the first time seven booths, comprising an educational display on peanuts, soybeans, corn, and small grains. Like farmers from throughout the State, the students will compete among themselves in this feature.

Ossie T. Shackelford of Route 1, Hookerton, is president of the Agronomy Club.

A dairy bar which will sell ice cream, milkshakes, and other dairy products will be operated in the dairy section of the fair by the Animal Industry Club, headed by David Hodgkin of Guilford College. This feature will be conducted by the college students in cooperation with the dairy industry.

In addition, other members of the Animal Industry Club will present special livestock exhibits, including dairy cattle, beef cattle, swine, and other farm animals. The

students will fit and show college-owned animals in these exhibits.

This livestock and dairy part of the State Fair, said Dr. D. W. Colvard, head of the State College Animal Industry Department, provides "wonderful training for our students."

Biggest feature of State College student participation in the State Fair will be the Student Agricultural Fair, which has been described as "a fair within a fair." It will consist of exhibits prepared by students in 10 departments of the Schools of Agriculture, Forestry, poultry science, agronomy, wildlife, and agricultural chemistry.

Theme of these exhibits will be centered around the economic dividends which come from the practical application of modern scientific principles to farming.

Officers directing the student fair are Earl Poplin of Indian Trail, Union County, chairman; Horace Hodgkin of Guilford College, vice-chairman; Richard Ledford of Route 3, Charlotte, secretary-treasurer; and Edward G. Hill of Lexington, publicity chairman.

In most events, students will compete among themselves for various awards.

Spelling Clinic

(Find the misspelled words in the list given below. Spell them correctly, and check with correct list on page 6.)

- desperate
- ecstasy
- equipped
- exaggerate
- existence
- February
- finally
- foreign
- formally
- formerly
- fourty

grammar
height
hypocrisy
imaginary

Swimmers Needed!

Coach Casey announced today that anyone interested in trying out for the swimming team is to report to the pool in the basement of the Thompson Gymnasium on Monday through Friday of next week at 4:00, ready to swim.

Just for general information this year there will be a Junior Varsity Team along with the Varsity.

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COLLEGE CROWDING—
(Continued from Page 1)

primary and secondary levels is, of course, a matter for conjecture. Although a marked expansion of college and university enrollment during the Sixties may be predicted with confidence, the size of the increase may be affected by circumstances which are in their very nature unpredictable.

"It is possible, however, that the phenomenal expansion of the child population during the Forties may have more than its proportionate effect upon college and university enrollments. In the past, fertility has been most rigidly under control among urban families, among those living in the Northeast and among mothers and fathers who have enjoyed superior educational advantages.

"These are the groups from which the next generation of college students are most likely to be drawn. It is significant, therefore, that the rise in fertility was most marked in these sectors of the population. On the other hand, groups with the least education and those in rural districts showed the smallest percentages of increase in birth rate.

"Since relatively more children were born to families likely to send their sons and daughters to colleges or universities the prospect is favorable that a large proportion of the total increase will enter our institutions of higher learning."



Power Work

for M.E.'s

Varied needs of 71 Du Pont plants pose a host of original power problems

Heart of Du Pont's manufacturing program is the power plant. To make some 1200 products and product lines the Company operates 71 plants.

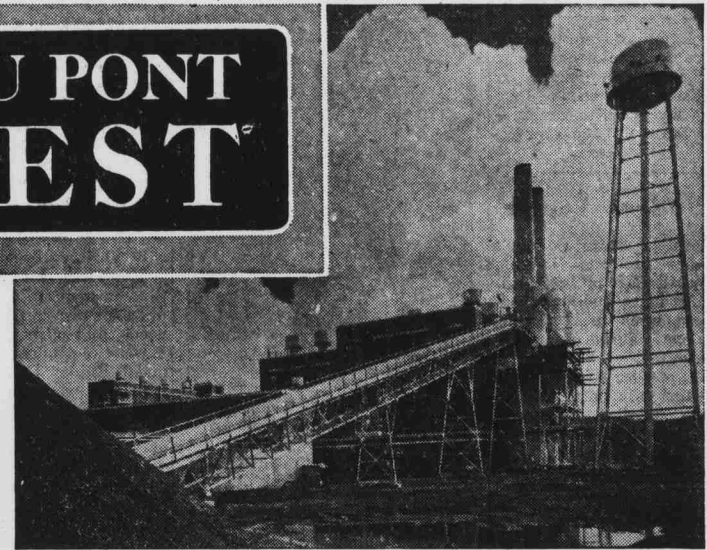
Most require steam and electric generation, water supply and treatment, heat exchangers, piping systems and related services. The designing of these power plants, their erection and operation are all in the hands of engineers, the great majority being mechanical engineers.

But this is not the most interesting thing about power work here. What challenges the highest skills of the engineer at Du Pont is the wealth of original problems constantly arising. Power requirements vary enormously, not only from plant to plant but from time to time.

Process operating pressures may range from over 15,000 psi. to 2 mm of mercury, electrical requirements



George S. Mahaffey, B.S. in M.E., Penn State '52 (right), B. S. Norling, B.S. in E.E., Washington State '24, and A. S. Noell, Jr., B.S. in E.E., Duke '51, discuss the power requirements of a new processing area.



This powerhouse for a nylon plant at Martinsville, Va., was designed by Du Pont engineers. It houses two 135,000 lb./hr. boilers and two 7,500 KW extraction turbine generators.

from as low as 7,000 to higher than 1 million KWH/day, and temperatures from -360° to over 3,500°F.

Here are examples of recent "off-the-beaten-path" power problems.

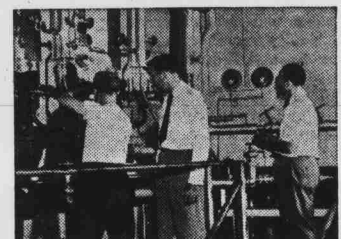
1. A plant using natural gas as its basic fuel produces a waste oil of variable hydrocarbon composition and a waste gas with only 110 Btu/cu. ft. Du Pont M.E.'s designed burners, fans, boilers and combustion controls to permit use of all three fuels for generating steam.

2. At another plant 20,000 gpm of cooling water were to be drawn from a nearby river. Since the water level fluctuated 40 feet between normal and flood stages, it was necessary to evaluate several plans for pump-house constructions against cooling towers. The engineers installed a unique pump house whose submerged vertical pumps operate even when the structure is entirely under water.

Aside from design and construction, Du Pont mechanical engineers concern themselves with such related subjects as economic evaluations, equipment selection, heat balances, load calculations, waste heat boilers.

For example, where various process temperatures from 300° to 600°F. were required, Dowtherm was selected as the supply medium at the rate of 35 million Btu/hr. The engineers installed a central system for primary supply because it calculated to be more economical than separately located vaporizers.

On the operational side, M.E.'s supervise the supply of power and services. They establish performance standards and analyze equipment for results, cost and maintenance.



Edward W. Garrison (right) M.S. in M.E., California Tech '47, and Byron R. Brown (center), B.S. in M.E., New Hampshire '49, supervise adjustment of furnace conditions in a study of power-plant efficiency.

Whether viewed from the design and construction side or the operational side, the diversity of Du Pont's manufacture offers a wealth of opportunities in power work for the mechanical engineer.

OPPORTUNITIES for men and women with many types of technical training are discussed fully in "The Du Pont Company and the College Graduate." For a copy, write 2521 Nemours, Wilmington, Del.



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Campbell Praises Textile Foundation

Establishment of the North Carolina Textile Foundation has been a boon to textile education not only in the United States but in other sections of the world.

This statement was made by Dean Malcolm E. Campbell of the

School of Textiles at North Carolina State College in an address to the college's Development Council Wednesday afternoon.

Formation of the Textile Foundation, Dean Campbell said, provided "the greatest stimulus for textile education in the United States." The foundation was set up in December, 1942.

Since its creation, the foundation has received contributions in excess of \$1,000,000 and has used income from these contributions to supplement the State salary scale in retaining and attracting top-ranking authorities for research and teaching duties in the State College School of Textiles.

Dean Campbell traced the advancements made at the School of Textiles as a result of foundation assistance and reported that several other states have set up foundations similar to the one in North Carolina. Educational progress in the states where the foundations have been organized, the dean stated, has been advanced rapidly.

The foundations, Dean Campbell declared, "have stimulated development on a new plane of textile education in America" and have lifted the status of textiles from a craft, like that known in England, to a new branch of technology.

Tracing the history of the School of Textiles at State College, Dean Campbell told the Development Council that the school has grown from a one-loom institution in 1900 to a modern building valued at roughly \$1,500,000 and physical equipment valued at \$1,250,000 today.



EDWARD C. NIXON

Nixon's Brother

Edward C. Nixon of Whittier, Col. (above), a 22-year-old graduate student at North Carolina State College, is a brother of California Senator Richard M. Nixon, the Republican Party's vice presidential nominee. Edward Nixon is seeking a master's degree in geological engineering at North Carolina State. He earned his bachelor's degree at Duke University last September.

The teaching faculty, he stated, has been strengthened, and the college today has one of the best staffs of its kind in the country.

Since 1900, the school has graduated 2,088 students, and approximately 1,100 of that number have received their degrees since 1946—a factor which, Dean Campbell said, indicates the rapid growth that has been made in recent years.

The student body last year, the dean explained, was composed of around 500 students who came from 28 states in the United States and from 24 foreign countries.

During his talk, Dean Campbell introduced members of his staff and highly praised the work of

Prof. Thomas R. Hart, veteran staff member and currently director of instruction in the School of Textiles.

Later the dean took the members of the Development Council on a tour of the four-story School of Textiles Building, where the council members observed a broad range of research and educational projects now in progress in the school.

Attending the council meeting were President Gordon Gray of the Consolidated University of North Carolina, Chancellor J. W. Harrelson of State College, and Vice Pres-

ident and Controller W. D. Carmichael, Jr., of the Consolidated University.

In a short talk, President Gray expressed a "glow of satisfaction over the way State College's Development Program is getting underway." In closing his statement, President Gray expressed his personal admiration for E. Y. Floyd's leadership of the college's Development Council and said "the whole purpose of this council is to advance the cause of State College and through State College the cause of North Carolina."

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"They That Give Up Essential Liberty To Obtain A Little Temporary Safety Deserve Neither Liberty Nor Safety"

---Benjamin Franklin

Note

Editor's Note: Everyone is interested in politics, particularly at this time, with November, and election time so close. The students at State College are no exception. With their interest at heart, the following editorial, two years in its conception, is presented. Composed of several newspaper and magazine articles, it becomes an exhaustive treatise dealing with socialistic trends here and abroad—their intent and repercussions.

Every TECHNICIAN staff member agrees to a man with the theme of this editorial, realizing of course that this presentation may lack the polish of that of a battery of corporation lawyers. Nevertheless, they heartily endorse THE TECHNICIAN presentation of:

The Case Against Socialism

By ROBERT LEONARD HORN

"We are quietly becoming a socialistic nation through the medium of a confiscatory tax structure which does things to a man's spirit as well as his pocketbook," so said Clem D. Johnston, a vice-president of the United States Chamber of Commerce at a Chapel Hill address on June 10, 1952.

Thus another outspoken exponent of the free enterprise system voiced his disapproval of the creeping socialism whose tenacles are strangling the life out of economic exploration and development in America. While certain sociologists at State College complacently point out that socialism is firmly established and is gaining an even stronger foothold in America, and that "we might as well relax and accept it," people everywhere are manifesting a sheeplike trust in the omniscience of government which is an incredible and tragic phenomenon of our time.

"We can continue," says Mr. Johnston, "on the road towards socialism from which most of the rest of the free world is now recoiling, or we can reaffirm our belief in the time-honored politically unpopular idea that true economic progress depends upon productivity, that the wage of employer and employee alike is supportable only by his output, and that the greatest productivity is achieved by free men."

He continues, "Government control and progressive taxation at confiscatory rates leave little incentive for bold undertaking. We have already discovered that an income tax at the present rate is not so much a tax on the rich as it is a tax on the chances of the poor becoming rich."

Mr. Johnston has a good case, and in it he is supported by an article reprinted from the March 1952 issue of the TEXTILE TECHNOLOGY DIGEST (a Textile Magazine) which originally appeared in the December 1951 issue of FORTUNE. The author is Britisher John Jewkes. The title is: SOCIALISM IN BRITAIN

"I pay frequent visits to the U. S., and on my recent trips, along with my admiration for the energy and the buoyancy, I always find an uncomfortable feeling that something is happening in American society which is familiar to me because it happened in Great Britain.

There seems to be in American colleges these days many teachers who speak of the virtues of a centrally planned economy with the starry-eyed enthusiasm and the almost touching innocence regarding the realities of economic life and organization which were so apparent in British universities between the wars. There are to be found in many

American middle-class families talk of the supreme virtue of economic equality and signs of a sense of guilt that they are not as poor as some others—which is reminiscent of the conversations and attitudes of many British middle class families as they fell under the sway of socialist propaganda in the early part of this century.

There seems to be a growing contempt for profit making, a growing irritability with the untidiness, the tangled ends, the pains of readjustment which a system of free enterprise makes inevitable as, in the course of progress, it continually burst out of its skin to take a new form. And I begin to ask myself: is it conceivable that the American people, having provided so strong a proof of the virtues of a free economy, are gradually becoming unaware of, or indifferent to, the secrets of their own greatness?

Perhaps I am all wrong about this—I profoundly hope so. It would be odd and tragic if socialist ideas, like the movements of men, were destined to travel westward.

In Britain today there is a general feeling that pioneering does not pay, that everyone is working in a confined space, which it is almost impossible to enlarge, that foresight and forethought are likely to be rendered useless by sudden and unpredictable acts of the state. In short, there are no longer any premiums for the old-fashioned economic virtues of energy, tenacity, courage, and imagination. There seems to be three outstanding reasons for this:

1. Present rates of income tax are naturally having a disastrous effect upon the accumulation of capital and the growth of smaller companies, for not only is it more difficult for the small man to plow back his savings into the business but the tax on profits sweeps up a substantial part of the undistributed dividends. Very few new companies are being established these days in Great Britain; the cost of that will have to be paid in future years. Two cases may be mentioned that reveal the present blindness to the normal motives moving men to action. Under the Town and Country Planning Act of 1947 no person selling land may receive for it more than its agricultural value. The purchaser of the land pays a price in two parts: the first part, the agricultural value of the land, goes to the owner; the second part, the value of the land for development, goes to a state agency—the Land Board. The consequence is, of course, that all incentive to sell land has been swept away.

The second case is more recent. On July 27, 1951, the Chancellor of the Exchequer announced, as part of his policy for dealing with the economic crisis, that he intended to restrict the dividends of all existing companies to the rates earned in the previous two years or to 5 per cent on the paid-up ordinary capital; new companies were to be allowed to pay 7 per cent. Such a scheme removes all incentive for companies to do better than in the past; it discourages firms just emerging from a period of costly development in which profits have been low; it stifles the growth of new enterprises where the risk is exceptional and the rate of profit necessarily high.¹

2. The second general cause of the spirit of defeatism in British industry is the policy of state control of investment. This is carried out partly by the Capital Issues Committee, which must pass judgment on all new large-scale investment, and partly through a series of regulations that control the location and allocation of materials for new building. An

(Continued on Page 5)

DON'T LET 'EM TAKE IT AWAY!



Affairs of State

Voters everywhere, particularly Republicans owe a debt of gratitude to Senator Sparkman. In November, 1951, the vice-presidential candidate of the Democratic Party was quoted as saying that Eisenhower would make a "fine" president. Moreover in 1948 he made a public statement appealing to Eisenhower to accept a draft for the presidency. This appeal was made when the political leanings of the General, obviously, were unknown.

The Alabama Senator, in a radio address on July 4, 1948, listed the following reasons why Eisenhower should respond favorably to the draft plea:

1. Eisenhower has the support of the majority of the people.
 2. He supports cooperation among nations.
 3. In world affairs he can bargain with the leaders of different political beliefs.
 4. He would have a salutary effect on Congress.
 5. He would combat inflationary forces.
 6. He would defeat the real estate lobby on housing bills.
 7. He could protect the general welfare from special interest lobbies.
 8. He has "great administrative ability."
 9. He could aid public power projects where defense is involved.
 10. He could prevent further delay "in social welfare legislation."
- On Item No. 10 Senator Sparkman erred slightly in assuming that "Ike" would push legislation which

would strengthen the Truman Social Welfare State. The General has demonstrated vigorous opposition to this sort of administration policy.

While Truman continues to aeriate the countryside, morning or not, with crisp, cutting remarks, Adlai Stevenson cackles away sitting atop a nestful of the eggs which the administration had laid during the past seven years. There is no danger of any of these eggs hatching though, for they are all rotten.

Back to Senator Sparkman now for a wind-up paragraph.

A few months before his 1948 draft Eisenhower appeal, Senator Sparkman said in an exclusive interview with the St. Louis Post-Dispatch:

"It is wholly conceivable that if international relations grow worse by the time nominating conventions are held this summer, popular sentiment for the wartime leader of Allied forces might be so overwhelming that a bipartisan nomination would be inevitable."

Civil Service Job

The United States Civil Service Commission today announced an examination for Meteorological Aid positions paying from \$2,950 to \$3,410 a year. Most of the positions are in the Weather Bureau and are located in Washington, D. C. and throughout the United States. Some positions will also be filled outside the United States.

Full information regarding the requirements, and instructions on applying may be secured at most first- and second-class post offices, or from the United States Civil Service Commission, Washington 25, D. C. Applications must be filed not later than October 21, 1952.

THE TECHNICIAN

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CONTINUING THE CASE AGAINST SOCIALISM

SOCIALISM—

(Continued from Page 4)

entirely new risk has thereby been thrown upon the industrialist who is interested in new developments.

3. The final major cause of the weakening virility of British industry is the uncertainty arising from the sudden changes in government policy brought about whenever it is found that the central planning has been misconceived and violent brakes must be put on the economic system in the hope of avoiding disaster. Where the state does too much planning, no individual is able to do his own planning. The individual businessman may lay plans to expand his factory and suddenly discover that the government now finds it necessary to reduce investment and his project is brought to a stop. Or he may discover that his compulsory export quota has been changed. Or the purchase tax on his commodity has been increased. Or a limit has been put on the dividends he can pay, thus endangering his chance of obtaining risk capital. The British businessman is a little like a surgeon trying to perform a delicate operation while some one is switching the electric light off and on."

These observations on the British economy make it apparent that control is not the only thing you need for high efficiency. There is a numbing effect of regimentation that destroys more than it saves. For awhile it saves pennies in slide-rule efficiency, it loses thousands inventiveness, rebuffed initiative, unexercised enterprise, aborted enthusiasm.

Is this disorder in the American way of doing things actually wasteful? On the contrary, it is a factor in a total increase of national strength, it is a factor in the minor loss of disorder, duplication and indiscipline, characteristic of freedom of enterprise. The enterprising United States, with ten thousand firms working out their own know-how and scrambling for a chance to take up a small section apiece of the burden of wartime production proved immeasurably superior to the regimented German economy. In its way, too, the strength of American health and welfare work is due in very large measure to the undisciplined, but free and untrammelled exercise of American enterprise.

As THE CHARLOTTE OBSERVER pointed out in a September 22 editorial:

"The world is full of people who traded off their freedom for a mirage of security furnished by government. They lost their freedom and never got the security.

No foreign foe destroyed the freedom of Italians and Germans. They surrendered it to the Fascists and the Nazis who promised that the government would take care of everybody. No mighty, aggressive empire took away the ancient freedom of Englishmen. They gave it away to the Socialists who promised that the wealth would be distributed, but they awoke too late to learn that Socialism had wiped out the wealth and distributed the poverty.

People are easy to deceive that way. They have been falling into the same old trap ever since ESAU. We Americans are getting closer to it everyday as General Eisenhower warned when he said, with rare discernment, in one of his earlier speeches:

"Easy to recognize is the threat from without. Easy too is it to see the threat from within. Less easy is it to see the dangers that arise from our own failure to analyze and understand the implications of various economic, social and political movements among ourselves."

Yes, it is easy to see that Soviet Russia is a threat to our freedom. It is easy to see that Communism and others in our own country are plotting to destroy it. But it is hard, very hard, to see that we ourselves are going to the polls year after year and voting away our own freedom.

Time after time we have elected men to office who ran on the platform of giving us something for nothing out of the public treasury, forgetting that it was our money that they were promising to give back to us after it had been taxed away from us, blind to the fact that we were being bribed with our own money, to let other people spend it for us.

It is hard to see that, whenever a government tries to provide for its people that which they should provide for themselves, it can do so only by using up reserves. It goes into debt, and government debt is nothing but postponed taxes. They must be collected someday. So that leads to taxes that increase year after year until they become confiscation. To carry out such planning, the government must control everything, and every control puts a limit on someone's freedom.

What freedom have we lost?

We have lost the freedom to draw our wages and salaries that we earn with our labor, for the government seizes part of them before we are paid; the freedom to manage a business or firm without interference by officious bureaucrats; (until regulation W was removed) the freedom to buy a piece of furniture on installment plan terms satisfactory to both buyer and seller; the freedom to save a part of our earnings, because taxes take away the surplus above living expenses that we might save or invest; freedom to conduct our local government, schools and welfare agencies, which have been made dependent on the Federal Government.

These we have already lost, and the bigger big government gets, the more we shall lose."

How this affects young people seeking a place in the economic picture, and this applies particularly to students, THE CHARLOTTE OBSERVER elaborated in a September 23 editorial entitled, "The Government Will Have Its Bond."

We can sympathize keenly with the young doctors and dentists who are being called back into the armed services just as they are beginning to build up a practice. It must be quite a jolt to see all plans overthrown just as a man is getting a start in his profession.

Yet the thought keeps occurring to us that a good many of them asked for it. As we understand the system, the professional men who got their training under the G.I. bill are the first on the list to be called back. Uncle Sam is simply asking for his pay-off from these men whom he put through medical and dental school. And any way you look at it, he has a right to make that demand.

The moral of this story, as we see it, is that you never get anything for nothing, and especially you never get anything free from the government. You pay for it one way or another. There is really no such thing as Federal aid or a government hand-out. The United States Treasury has no income except taxes. It is impossible, therefore, for the government to give the people anything that it did not first take away from them in taxes.

Moreover, the Supreme Court has held that whatever the government subsidizes it has a right to control. Yet there are those who keep asking for Federal aid to education under the naive belief that the government would not control the schools that it subsidizes.

And now we hear mentioned more and more the scheme for Federal scholarships for deserving young people who could not go to college without such help. It sounds fine. But any young man or woman who is living in hope of getting a Federal scholarship had better take a look at what is happening to the young doctors and dentists.

You can't indenture yourself and expect to remain free.

Kathleen Norris, popular novelist, author of "Bread into Roses," "The Venables", has suggested that we abandon the security tag. Says she, "Suppose we drop that word 'security'. In the sense that it is used today there is no such thing, and we would all be happier not thinking about it and not worrying about it.

Hard times taught me that insecurity is not half so fearful a thing as it sounds. Once having experienced it, one never can fear it again. There is always something one can do; there are always possible changes and makeshifts and experiments, all of them immensely stimulating. Insecurity, by one life's paradoxes, is real security.

Investments, rents, money in the bank, rising costs, rising taxes can cause infinite distress. Our nation is suffering from a bad case of the jitters over these things. But all the time within our reach is this escape from anxiety; this reduction of our desires to our simple needs; this magnificent experience of proving to ourselves that life today can still be a safe and happy thing."

A fitting, perhaps eloquent, summary for this article has already been written appearing in the October 1952 issue of READERS DIGEST. It is entitled "My Creed", and was originally printed in

(Continued on Page 9)

Footnote - 1

¹ Judging by some of the statements made recently by labor-union spokesmen, corporation profits are somehow an evidence of personal greed or illegitimate gain. Is it conceivable that there are Americans in positions of responsibility in labor who do not know what profits are—or do they merely profess not to know for political reasons of their own?

Profits are net income after deducting all expenses, including the money paid out in taxes to the Government of the United States and the government of the various states and cities.

Profits are not then paid out to officers of a corporation. Officers get only their salaries, unless some of them happen also to receive dividends as individual stockholders.

But stockholders—owners—are not getting all the profits either. Dividend payments nowadays are rarely more than half a company's annual earnings after taxes. This is because corporations must lay aside funds for working capital, for reserves, and for replacement of plant and equipment.

To assail profits as sinful, or as tainted with some sort of wrongdoing, is to undermine the job of every American workingman and the future jobs of their children.

For jobs are created by enterprising individuals who put in their own money, or who borrow the savings of others, to create new enterprises.

If profits are destroyed—as is the case under communism, fascism or state socialism—then government takes charge of labor unions, too. Liberty disappears all around.

The leaders of American labor should realize that a profit system is a loss system, too, and that the capital risked in any enterprise cannot be guaranteed against the hazards of competition or changing times.

To focus on one year's high profits, moreover, and demand that fixed expenses such as wages be inordinately increased, is to do a disservice to everybody. For then prices must be raised to meet the higher costs, thus stimulating the inflationary cycle. This, in the end, can hurt the workers by causing the dollar to buy less and less.

Today the problem of earning enough to replace at present-day costs of materials and labor the plants that are wearing out is the most serious single financial difficulty that faces private enterprise. Unless there is money enough set aside year by year to rebuild worn-out equipment and expand factory space and buy new tools, the American economic system will grow weak. Who but the enemies of the profit-and-loss system wants that to happen.

Also, unless enough money is placed in reserve in the good years to take care of the lean years—to tide over a depression—unemployment will reach disastrous proportions the next time there is a downward turn in the business cycle.

If a surplus for such vital purposes cannot be accumulated year by year, economic anarchy will destroy from within the most powerful industrial nation in the world." What Are Profits? by David Lawrence, condensed from the U. S. NEWS AND WORLD REPORT, and reprinted in THE READERS DIGEST, August, 1952.

Footnote - 2

² The case of Vivien Kellems, president of the Kellems Company of Stonington, Conn. For ten hectic years she has been defying federal tax laws, daring the President of the United States to put her in jail, scaring the pants off the Treasury Department, and generally raising unholy hell—mostly in a passionate crusade against the withholding tax, the social-security tax and wasteful government spending. She is ardent in her fight aimed at the eradication of all Socialism, Communism and corruption in our American life, the revision and reduction of taxes and Government spending, and the return to Congress of the right to declare war.

She is best known for her one-woman attack on the withholding tax. She declares that the law was passed by a pusillanimous Congress under the hypnosis of war and that the Government's promise of repeal at the end of the war was broken. She contends that wage earners have a right to receive the full amount of their earnings and should realize that they are paying income taxes. The Treasury Department, she declares, has no right to force employers to operate a government checkoff at their own expense.

The most recent Kellems ruckus with the Government—her refusal to pay the new social-security tax for self-employed persons—follows much the same pattern as her withholding tax fight. In a letter to Secretary Snyder she declared that Social security "is neither social nor secure." It isn't social, she wrote, because it compels millions to buy insurance they do not want, and it isn't secure because there isn't any money in the social-security fund.

"Every penny filched from the American people under this vicious law has been spent for the running expenses of the Government," she charged. "When the time comes to pay the benefits provided by the law, we will have to be taxed again to meet these payments. If a private insurance company embezzled the funds of its clients, as the federal government has embezzled these social-security funds, its officers would be in prison. I do not care to take out insurance in such a bankrupt concern." WOMAN ON THE WARP, as condensed from The American Magazine, and edited by Jerome Beatty in the READER'S DIGEST, August, 1952.

Overworked

"In connection with" is an overworked phrase. You may often substitute "on" or "about" for this phrase. It is better not to say, "Mr. Smith arranged an interview with Professor Jones in connection with John's grades." Substitute "about" for "in connection with."

Done

"Done" is often used incorrectly in the sense of "finished," as "It will be an hour before I am done writing the lesson." It is better to say, "It will be an hour before I have finished writing the lesson."

Mintz Likes Council

Rudolph I. Mintz of Wilmington, president of the North Carolina State College Alumni Association, has endorsed the work and objectives of the college's newly-organized Development Council.

In a letter to the institution's alumni, President Mintz called attention to the fact that the Board of Directors of the Alumni Association has adopted an "Alumni Fund Program" as a part of the development plan and urged the former students of the college to give "added momentum to this far-reaching Development Program of, by, and for North Carolina State College."

"All Alumni Fund income will be used to promote the advancement and increase the usefulness of North Carolina State College. This plan is a definite part of the College's overall development program, now going forward under the leadership of the Development Council, which was formed under the able guidance of Chancellor J. W. Harrelson and President Gordon Gray.

"This Council has accepted the responsibility of guiding the whole program of development for the College. Its potential is unlimited. Mr. E. Y. Floyd, Council Chairman, and the other members of the Council are giving freely of their time and energy in promoting a State College of greater service in its chosen field."

Physics Group Meets

The North Carolina State College chapter of the American Institute of Physics held its first meeting of the year on Tuesday evening, October 7.

The major event on the program was a talk by Drs. A. C. Menius and Raymond L. Murray, both Professors of Physics at the College. They discussed, informally, the trials and tribulations involved in the design and building of the nuclear reactor which is presently under construction on the college campus. Illustrating their discussion with slides, they covered the history and progress of the reactor and recent developments.

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A tense moment, as an old "link" taps his successor after having twice encircled the group which seated itself on the lawn just south of Holladay Hall last May. Most of those seated came in response to invitations sent by Golden Chain.

SPELLING— (Continued from Page 2)

Correct

- desperate
- ecstasy
- equipped
- exaggerate
- existence
- February
- finally
- foreign
- formally
- formerly
- forty
- grammar
- height
- hypocrisy
- imaginary

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Point IV Essay Contest

Plans for a nation-wide essay contest on the Point IV Program with prize awards totaling \$1,800 have been announced by the National Council of the Churches of Christ in the U.S.A.

The contest, which opens Nov. 1, 1952, and closes at midnight, March 31, 1953, is open to all Americans between the ages of 15 and 23. Both students and young people not in school are eligible, according to Ernest Lefever, associate director of the National Council's Department of International Justice and Goodwill, sponsor of the contest.

Prizes will be awarded to two groups consisting of high-school age contestants, 15 to 18 years, and college-age participants, 19 to 23. Names of winners will be announced about May 15, 1953.

In addition to the two first prizes of \$400 each, there will be two second-place awards of \$200, two third prizes of \$100 each, and twenty other prizes of \$25 each.

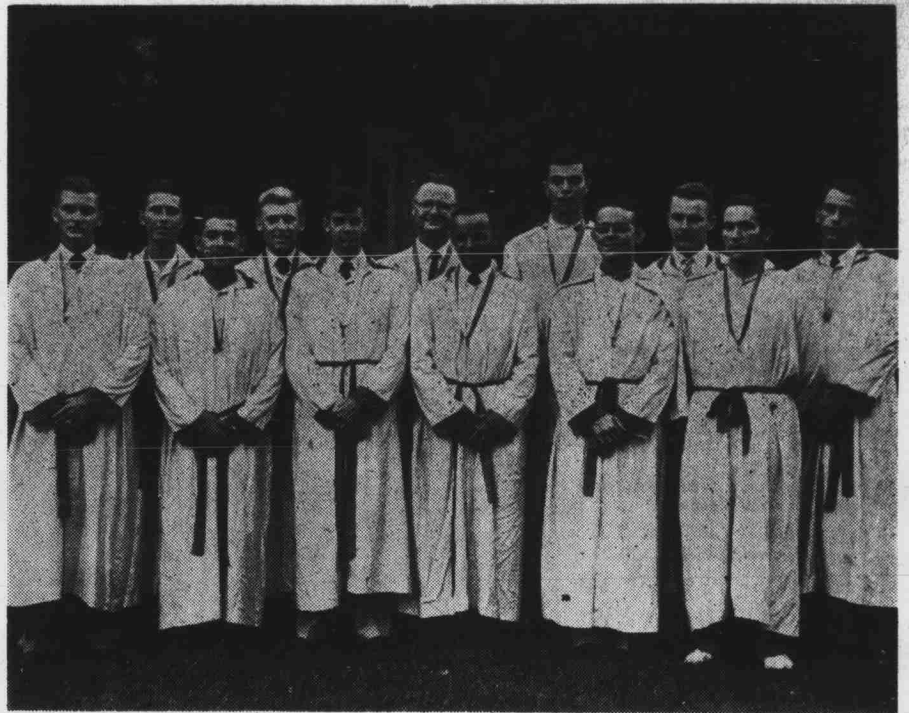
Essays on the subject "The United States and the Underdeveloped Areas," may be submitted at any time after November 1. Basic purpose of the contest, said Mr. Lefever, is to stimulate active interest of young Americans in the problems of the Point IV Program and our relationship with the economically less developed countries of the world.

Explaining that "Point IV is a two-way street," Mr. Lefever said, "We are naturally concerned with pointing up U. S. responsibility to underdeveloped areas in Asia, Africa, and Latin America. But we are equally concerned with recognizing our dependence upon these areas for raw materials and markets, to say nothing of the ideas and values we may learn from them."

Chief requirements of the contest are that the essays be kept to one thousand words or less and deal with the moral responsibility of the U. S. and the underdeveloped countries. The contestants may choose any phase of this topic as the subject for their essays.

Judges of the competition will be Eric Johnston, president of the Motion Picture Association of America and chairman of the International Development Advisory Board for the Point IV Program; Mildred McAfee Horton, former president of Wellesley College and a vice president of the National Council of Churches; and Dr. John C. Bennett, professor of Christian Ethics at Union Theological Seminary, New York City.

Made possible by the Zelah Van Loan Fund, the contest has been officially endorsed by the Council's United Christian Youth Movement. Contest instruction leaflets and



Twelve new Golden Chain "links" and one honorary "link" were tapped as graduation time approached last May. They are: Front row l-r: Walter Stinson, Marcus Crofts, Vincent Outland, Richard Pitts, Howard Wells, Burch McMurray. In the back row from l-r: David Moore, Jay Bryan, Gerald Erdahl (honorary), Bill Brittain, Bobby Lee Cockerham, and Jim Milam. Not present was Doug Crutchfield.

posters announcing the contest will be sent upon request by the Point IV Essay Committee, National Council of Churches, 79 E. Adams St., Chicago 3, Illinois.

Learn Now

Did you step on her toes at the last dance? If you did you should attend the discussion on "Dance and Dating Etiquette" to be held in the YMCA auditorium at 7:00 o'clock Wednesday night October 15.

The discussion will be led by Miss Carolyn Jessup, who is the new social director of the State College Union. The YMCA is sponsoring the program for the benefit of the student body, because they believe that many students can benefit from the discussion.

Many Students Bound To Uncle Samuel

Student soldiers 2,211 strong are striving to serve Uncle Sam in the State College "Service." This announcement was made by Col. Samuel A. Gibson, coordinator of military training at the college. Gibson said the enrollment figure is the largest ever recorded by any ROTC center in North Carolina.

A breakdown of the enrollment shows 1,276 students in the Army training program and 931 in the Air Force unit. Army cadets registered in the advanced courses number 429, while the advanced Air Force students total 162.

Students who complete four years

of military or Air Force training, along with the other required courses at State College, receive commissions as second lieutenants upon their graduation.

The Air Force enrollment as divided by classes: freshmen, 467; sophomores, 302; juniors, 72; and seniors, 90.

The Army ROTC cadets are divided by classes as follows: freshmen, 513; sophomores, 334; juniors, 203; and seniors, 226.

Statistics Conference

Three faculty members from North Carolina State College are participating in a regional conference on statistics sponsored by the Southern Regional Education Board in Atlanta, Ga.

The State College representatives at the conference, which will end today, are Prof. Gertrude Cox, director of the Institute of Statistics of the Consolidated University of North Carolina with headquarters at State College; Prof. J. A. Rigney, head of the Department of Experimental Statistics at State College; and Dr. R. L. Anderson, professor of experimental statistics at the college.

Professor Rigney is serving as a group leader on "Consulting Services" at the college, and Miss Cox is a consultant to the Southern Regional Education Board.

All three of the State College representatives are on the executive council for the conference.

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Joan Leslie
— In —
"Hellgate"

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DAIRY TEAM—

(Continued from Page 1)

The same State College team also captured 21st place in the International Collegiate Dairy Products Judging Contest held last Thursday in Chicago. This contest was held in conjunction with the Dairy Industries Supply Association's Exposition.

The N. C. State team was the only Southern group to receive an award in the Chicago contest.

In the group of 84 contestants, Biggerstaff placed fourth in milk judging, Chambers was 11th high man in the same division, and Aycock took the 13th spot.

Collectively, the students placed first in milk judging and were awarded an engraved cup.

State has only beaten Duke once in the past six year, but Duke has not beaten State more than one touchdown in these games. One game ended in a scoreless tie.

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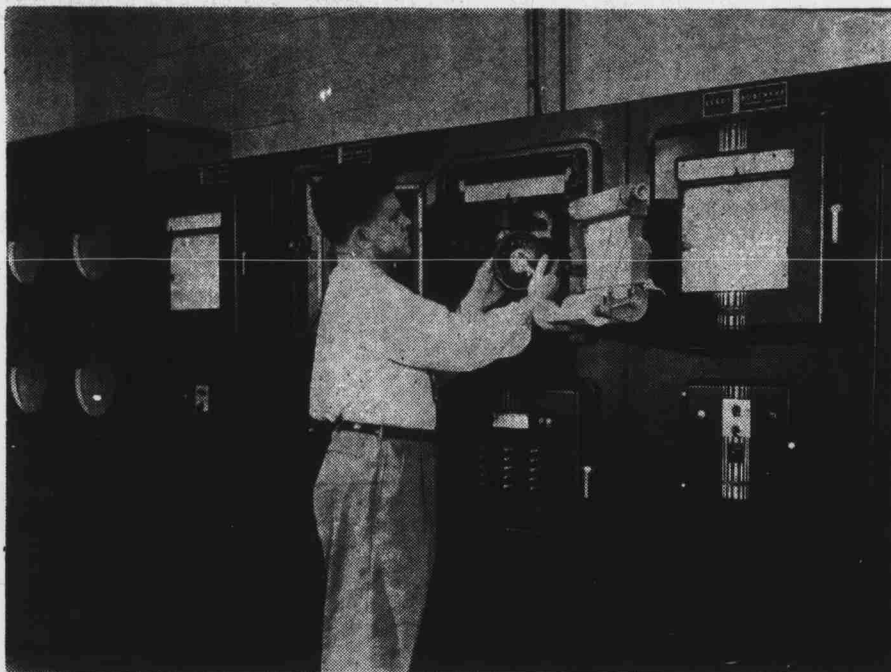
- Jose Iturbi Encores Clair de lune (Debussy)—Liebestraum No. 3 (Liszt)—Polonaise in A-flat, Op. 53 (Chopin).
Carmen selections—Habanera; Seguidilla; Toreador song. Rise Stevens—Victor WEPR-45 (45 rpm), \$1.50
Waltzes Nos. 1, 7, 9, 12—Bralowsky (Piano)—Victor WEPR-28 (45 rpm), \$1.50
All Time Favorites by the Boston Pops—Song of India, Intermezzo, Hungarian Dances Nos. 5 & 6—Victor WEPR-20 (45 rpm), \$1.50
Classic Marches by the Boston Pops—Grand March from "Aida", Marche Militaire, March of the Little Lead Soldiers, Funeral March of a Marionette—Victor WEPR-27 (45 rpm), \$1.50
An American in Paris/Rhapsody in Blue—First Piano Quartet—Victor WEPR-8 (45 rpm), \$1.50
Pony and Bass selections—Rise Stevens, Robert Merrill—Victor WEPR-34 (45 rpm), \$1.50

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Part of the high temperature apparatus which will accommodate temperatures up to 500 degrees Fahrenheit used for measuring thermal properties in the Chemical Engineering Department.

New AEC Contract to Engineers

A research contract with the School of Engineering at North Carolina State College has recently been renewed for a second year by the Atomic Energy Commission.

The contract calls for the development of a new type of apparatus to measure heat capacity and conductivity properties of ceramic and similar materials at extremely high temperatures. At such temperatures these properties are critical in the choice of suitable heat resistant materials for kilns and boilers and in the development of power from nuclear reactors.

The project is under the direction of Dr. K. O. Beatty, Jr., Professor of Chemical Engineering and an

authority on heat transfer and thermodynamics. He is recognized for his original researches in the field, on which reports have been widely published and on which he has delivered many papers under the auspices of numerous technical organizations and societies.

Also working on the project are Mr. Eugene Finch, Instructor of Chemical Engineering, and two graduate assistants, Arthur Armstrong of Gastonia, N. C., and William Lewish of Elmira, N. Y.

During the past year the major part of the construction work on the apparatus has been completed and preliminary tests have been run. By fully automatic control of all

temperatures, precision has been achieved within a single degree at temperatures in the range of 2000°F. or more. The apparatus uses transient temperature measurements to give much greater speed than conventional steady state procedures.

In addition to continued development of high temperature apparatus, the new contract provides for construction of similar equipment to operate at temperatures up to 500°F. This means that by next June the Chemical Engineering Department will have an unusually well-equipped laboratory for measuring thermal properties over a wide range of temperatures.

Exchange Prof

Four young physicists, including one Swedish exchange professor, have joined the staff of the School of Engineering at North Carolina State College. Their appointments, effective September 15, were announced by Dr. Clifford K. Beck, head of the Physics Department.

Under an exchange professorship arrangement between the Physics Department of North Carolina State College and the Swedish Atomic Energy Company, Pelle Isberg, a Research Engineer, has been appointed Assistant Professor of Physics for the coming school year. He replaces Dr. Arthur Waltner, Associate Professor, who has taken his place in Sweden for the same period of time.

Three Instructor of Physics positions have been filled by Mr. Clyde B. Fulmer, Mrs. Mae A. Silbergeld, and Mr. Joseph G. Lundholm, Jr.

Professor Isberg has been with the Swedish Atomic Energy Company for two years. Previously he had been a research assistant and later a part-time instructor at the Physics Laboratory of the Royal Institute of Technology in Stockholm. While on duty with the Swedish Royal Navy for one year, he worked for the Research Institute for National Defense on nuclear research projects.

He has attained considerable experience working with a Van de Graaf generator and with a nuclear reactor which is being built in Sweden.

The author of a number of technical papers and reports on his research accomplishments, he is a member of the Association of Swedish Physicists and the Association of Graduates from the Royal Institutes of Technology.

New English Faculty

New faces appear on the English faculty. Dean John W. Shirley of the College's School of General Studies announced that five new staff members have been appointed to the English department for the current year.

They are Dr. John A. Winterbottom, Benjamin Koonce, Jr., Dr. Sadie Jenkins Harmon, Mrs. Hulda Brinkley Turner, and James Webb Gardner, Jr.

Dr. Winterbottom, a native of Canada, received his undergraduate education at the University of Western Ontario. He later received his doctorate in English at Yale.

Koonce, a native of Hertford, N. C., received his B.A. and M.A. degrees from the University of North Carolina, and for the past two years he has been completing work on his doctorate at Princeton University.

Teaching in a temporary status for the fall and winter terms are Dr. Harmon, who has degrees in music and in English from Greensboro College and the University of North Carolina; Mrs. Turner, who has degrees from the Woman's College in Greensboro and from North Carolina State College; and Gardner, who is a graduate of Emory University.

Both Mrs. Harmon and Mrs. Turner have served previously in the English department of the college. Mrs. Harmon holds the rank of visiting professor. The other members are in the rank of instructors.

State and Wake Forest have battled in 43 games since 1908 with the Pack winning 23, losing 17 and tying 3.

QM Demonstration

The 36th Provisional Quartermaster Demonstration Battalion from the Quartermaster Center, Fort Lee, Va., will present a demonstration on the use of the latest type of quartermaster field equipment on the baseball field at North Carolina State College Friday, October 31.

This unit has been presenting such demonstrations throughout the Third Army Area during the month of October and will return to Fort Lee on Saturday, November 1. The unit is commanded by Lt.-Col. Sam Francis, former All-American football player from Nebraska.

The demonstration will stress recent developments in the fields of reclamation and maintenance, refrigeration, bakery operations, food service, petroleum and fuel supply, and aerial supply operations. The most modern equipment now available to troops in the field will be on display, under competent military instructors, on the N. C. State College baseball field, immediately behind the William Neal Reynolds Coliseum.

All service personnel, their dependents, members of the ROTC, the Organized Reserve Corps, the National Guard of North Carolina, their guests, and all other interested persons are invited to attend.

Beardless Utopia

"Push-button war" today was declared on the whisker front with the announcement of a new lightweight "shave bomb" which squirts out puffs of pre-whipped lather at the press of a fingertip, and dooms the old shaving brush to the museum shelf.

The new foam shave is about the size of a talcum-powder can and provides enough lather for more than three months of daily shaving for the average man. No effort is needed to whip up the lather, for it is whipped and aerated automatically as it leaves the can and is spread directly on the face with the fingertips. It washes off fingers and razors much more easily and quickly than old-style brush lathers—and won't clog the razor as brushless creams sometimes do.

Developed by one of the biggest name in men's toiletries, the new lather-maker employs the same "aerosol" principle used for pressure packaging of whipped cream. Somewhat similar devices have been used by professional barbers for some time, but the new foam shave does not require periodic refilling and compresses a far larger amount of lather into a much smaller and lighter container. It is being distributed wherever men's toiletries are sold and retails for 79c. For further information, inquire at THE TECHNICIAN office, 1911 Building.

Cute... "Cute" is another word that is carrying too big a load. It is sometimes used to mean clever, shrewd and sharp-witted. Webster's Collegiate Dictionary defines "cute" as meaning, "Attractive by reason of daintiness or picturesqueness, as a child." Too often we hear such expressions as "the cutest house," "the cutest boy friend" and "the cutest handbag." It would be a good idea to give "cute" a long rest.

Except... "Except" should not be used for "unless." "Except" means to omit or leave out. You do not say, "I shall not buy the automobile except you give me seat covers." Use "unless" in place of "except."

Windmill Drive-In & Oyster Bar

Serving steamed oysters from 11:00 a.m. to 1:00 a.m.



1126 S. Saunders (Hwy. 15-A South)

SOCIALISM—

(Continued from Page 5)

THIS WEEK under Dean Alfance's name. It goes . . .

"I do not choose to be a common man. It is my right to be uncommon—if I can. I seek opportunity—not security. I do not wish to be a kept citizen, humbled and dulled by having the state look after me. I want to take the calculated risk; to dream and to build, to fail and to succeed. I refuse to barter incentive for a dole. I prefer the challenges of life to the guaranteed existence; the thrill of fulfillment to the stale calm of utopia. I will not trade freedom for beneficence nor my dignity for a handout. It is my heritage to think and act for myself, enjoy the benefit of my creations, and to face the world boldly and say, this I have done. All this is what it means to be an American."

COMING

The Knowles Duo, composed of two talented singers — Adriana Knowles, mezzo soprano, and Paul Knowles, tenor, will be presented by the Music Committee of the College Student Union on Friday October 31. Adriana Knowles, pretty, blond, and petite, has appeared in concert, opera, oratorio, and television. She was a regular member of the "Show of Shows" on television. Paul Knowles has sung with the Boston Symphony, the ABC Symphony and the Berkshire Festival.

They will present a concert of solos and duets, featuring costumed scenes from the world's most popular operas, operettas and musical comedies.

Don't Add . . .

It is better not to add "in" or "up" to the verb "start." Do not say, "When did you start in to play in the orchestra?"

Football Schedule

- Oct. 11 Davidson
- Oct. 18 Duke
- Oct. 25 Florida State
- Nov. 1 at Wake Forest
- Nov. 8 at Wash. & Lee
- Nov. 15 at Pittsburgh
- Nov. 22 at William & Mary
- Nov. 29 Open
- Dec. 6 at Texas Tech

LAST WEEK RESULTS

- Duke 7, Tennessee 0
- Wake Forest 7, Boston College 7
- GEORGIA 49, STATE 0
- Notre Dame 14, Texas 3
- Maryland 28, Clemson 0
- South Carolina 27, Furman 7
- Virginia 42, VPI 0
- Oklahoma 49, Pittsburgh 20
- Stanford 14, Michigan 7
- Indiana 20, Iowa 13
- Penn State 35, William & Mary 23
- Navy 31, Cornell 7
- Southern California 22, Army 0
- Princeton 61, Rutgers 19
- Holy Cross 12, Fordham 7
- Baylor 31, Washington State 7
- Miss. State 41, Arkansas State 14
- Pennsylvania 7, Dartmouth 0
- California 49, Minnesota 13
- Columbia 16, Harvard 7

Sabbath Melodies

The College Union now has a good selection of classic and light classic records. These can be heard

each Sunday afternoon at 2:30 in Peele 108. Refreshments will be served with your music. This is a service offered for you, the student.

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Jim Howard — Manager
Dave Honeycutt — N. C. State Representative

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PACK HOST TO DAVIDSON

the Technician SPORTS

Views and Previews

FRANK DUNAGAN, Sports Editor

Maybe I should start writing fish stories or something. The State football team has certainly given my pre-season predictions a rough treatment as well as causing much embarrassment for Horace Hendrickson. Well, we know we'll have something to cheer about when the basketball team takes to the floor in December.

Football Blues

Just what is the trouble with our football team? Sure, the players are young and inexperienced and are running from a completely new formation. But, the same players are also labeled as one of the best groups of raw talent ever assembled in West Raleigh. Also the coaching staff is supposedly the best ever hired in Raleigh. The competition has been rough, all right, but not 88 points worth. Something is lacking on the squad and it places Hendrickson in a bad spot.

The season is still young, although the State players are getting slightly worn, and Coach Hendrickson and his staff still have time to give the students a good football team. The team is not expected to have a winning season this year, but it would be nice if State would give some of these clubs rough and close ball games.

Tomorrow or Never

State's best chance to develop an offensive punch that has been lacking thus far will be tomorrow when it meets Davidson. The Presbyterians have a strong scoring eleven but shows weakness on defense. The Davidson defensive unit has given up a total of 674 rushing yardage in games with VPI and Washington and Lee and will probably have the weakest line State will face this season. If the offense fails tomorrow, woe is State!

State has shown weakness in every department thus far. The offense has been held to 374 yards and the defense has yielded 991 yards. Davidson's offense has just collected 373 total yards, one short of State's offense, but has proven 28 points worth, while State has yet to score. State has started many drives this season but has always fumbled or thrown the ball away.

Yes, tomorrow is a must for State. The game should be won by State, but the Pack will have to start scoring points before this happens. State has not even offered a serious threat this season, not even against the fourth team from Georgia. Georgia used a total of 59 players last week and still handled the Pack.

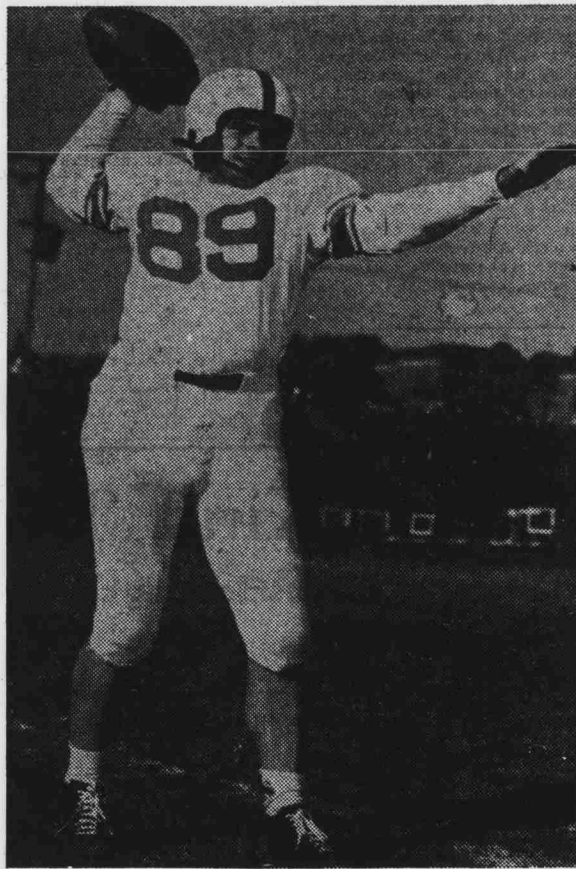
State does have the material to give any team in the South a good fight. That is probably a shocking statement to those who have seen the Pack in action because they certainly haven't shown much. State has usually had a fairly weak offensive club in the past, but at least the teams of the past showed strength on defense. If the players would play with the spirit shown in early practice sessions the Georgia score would have been much closer to say the least.

Troubles at Chapel Hill

Our Tar Heel cousins received a blow when two football games were cancelled with Georgia and State because of the out-break of polio. It was quick thinking and hard work for Athletic Director Roy Clogston to come to the rescue of our cousins and arrange postponement to the Davidson game and a trip to Georgia. It helped State in financial ways and offered opportunity for national recognition.

The UNC students are also looking for a winning football team. The Tar Heels only won two games last season and lost the opener to a national rated Texas team this season. With seven games left, Carolina will only be favored in one. The Tar Heel schedule is one of the strongest in the nation, if not the strongest. With such teams as Notre Dame, Tennessee, Virginia, Duke and Miami yet to play, poor Carolina! The

(Continued on Page 12)



QUARTERBACK CARL WYLES
N. C. State

Quarterback Carl Wyles will lead the Pack against Davidson tomorrow in a game that is rated as a toss-up. Wyles, a junior from Buffalo, N. Y., has been Coach Hendrickson's key man at running the new Split-T this season.

Conference Standings

	By The Associated Press				ALL GAMES							
	W	L	T	P	W	L	T	P				
G. W.	2	0	0	1,000	72	28	2	0	0	1,000	72	28
VPI	2	0	0	1,000	41	21	3	1	0	.750	60	77
Duke	1	0	0	1,000	34	0	3	0	0	1,000	55	7
South Carolina	1	0	0	1,000	27	7	2	1	0	.667	67	35
Wake Forest	1	0	0	1,000	28	21	1	1	1	.500	49	45
Furman	1	1	0	.500	29	41	2	1	0	.667	76	47
W. and M.	1	1	0	.500	55	41	1	2	0	.333	78	76
VMI	1	1	0	.500	41	48	1	2	0	.333	41	93
W. and L.	1	2	0	.333	61	81	1	2	0	.333	61	81
xMaryland	0	0	0	.000	0	0	3	0	0	1,000	54	17
xClemson	0	0	0	.000	0	0	1	2	0	.333	60	55
North Carolina	0	0	0	.000	0	0	0	1	0	.000	7	28
West Virginia	0	1	0	.000	14	22	1	1	0	.500	63	34
Richmond	0	1	0	.000	14	28	1	2	0	.333	55	61
State	0	1	0	.000	0	39	0	2	0	.000	0	88
The Citadel	0	1	0	.000	7	14	0	3	0	.000	13	101
Davidson	0	2	0	.000	28	60	0	2	0	.000	28	60

xMaryland and Clemson under one-year suspension from Southern Conference in football.

Davidson Warn Foes

Davidson, Oct. 6—If Davidson's Wildcats continue the rapid improvement they have shown in their first two ball games this season, it's going to be "Katy bar the door" for somebody before the curtain descends on this 1952 campaign.

Bill Dole's flash Cats made a ding-dong battle out of Saturday's (Sept. 27) scrap with Washington and Lee before the Generals took advantage of two fourth quarter breaks to pull away to a 33-14 triumph after the Cats had taken the lead at 14-13 at the end of the third stanza.

With freshman and sophomore backs and linemen showing up better and better as the season progresses, the Dole-schooled Cats are going to knock some high riding block off, and there's no team they would rather scalp than N. C.

State's Wolfpack in Raleigh this coming Saturday night.

Though the Cats have been playing a fired up brand of football thus far this season, they always seem to play best against State, but Coach Dole warned today that State would be a fighting mad outfit, ready to tear somebody apart after losses to Georgia and George Washington and the Wildcats, thin but ready, stand right in the path of that frothing mad bunch of Wolves.

Coach Dole had a lot of praise for his Wildcats in the Washington & Lee fracas, though he pointed out that a lot more experience and work is needed before his Davidsons look like a real ball club.

But there are a lot of names that are fast becoming known in North

(Continued on Page 12)

Both Teams Look For First Win

A last minute postponement of the Davidson-State game scheduled last week, so that the Pack could replace Carolina against Georgia, will find the two teams clashing tomorrow afternoon at 2 p.m. in Riddick Stadium.

The Pack were favored over Davidson last week but a poor showing against Georgia finds the game rated as a toss up tomorrow. State has yet to show any offensive and defensive power after losing games to George Washington, 39-0, and to a powerful Georgia eleven, 49-0.

Davidson is also looking for its first win of the season and will be giving everything it has to beat the helpless Pack. Davidson has also shown weakness on defense but has scored 28 points against Virginia Tech and Washington and Lee. Davidson found both defeats in the second halves of these games when the Cats tired after impressive first halves.

Quarterback Jack Ruth, who led the conference in passing last week, will be tossing passes tomorrow against a poor State defense to End Dick Kelley and Halfback Jimmy Thacker. Ruth has completed 15 passes in 30 attempts this season for 129 yards and one touchdown.

Fullback Henry Brown and Thacker will lead the Davidson running attack. Brown has picked up 109 yards this season in 19 tries for almost a 6 yard average. Thacker, who averaged 6 yards per carry in 80 carries last season as a Freshman, has gained 44 yards on the ground thus far. Thacker has been a main threat this season as a pass receiver by tagging 5 for 50 yards.

(Continued from Page 10)

Kragas Paces State Soccer Team

By JERRY ARMSTRONG

The Wolfpack Soccer Team is rounding into shape very fast and shows prospects of having a good season this year aided by eight returning lettermen and some inspired newcomers to the team.

Coach DeGroat says he thinks he has enough experience and new promising material to field a fine team this year. With eight returning lettermen to start filling in the eleven positions on the team and three of the new men to complete the team, this should prove to be a highly successful soccer season. Coach DeGroat has been the coach of the soccer team for four years and if he hasn't had a championship club yet, he has surely shown that he is a fine coach by turning out an ALL-AMERICAN player last year named Kare Kragas.

This year's team consists of the following players: Kare Kragas*, Phil Adams*, Maurice Chocron, Frank Frieo, Ralph Frieo*, Thomas Fuller, James Gibbian, Leslie Gramham, Jerry Henry, Martin Kallman*, Tom Lyman, Dick Murphy, Norman Norris, Jimmy Truslow*, Moe Zolfagarie*, Gilberto Villa*, Bart Varca, Mack Pruzan, Charlie Pitts, Manager Alan Nish-bowl, Carlos Acquirreureta, and Adrian Castro*.

Last year's record was not too outstanding, but it did show some hard determination on the part of the players. They did not win a game but did tie three while losing four.

GEORGIA STOMPS PACK 49-0

Powerful Bulldogs Win Easily Over Young Pack

Athens, Ga., Oct. 4—State, playing a replacement role for the Tar Heels, met and was trampled by a powerful Georgia eleven, 49-0, last weekend.

The Georgia Bulldogs took the opening kickoff and drove down the field to the State 9 before being stopped. Carl Wyles then started the offensive for State by gaining 6 yards on a quarterback sneak only to fumble on the 20. One play was all it took for Georgia to score on a pass from Zeke Bratkowski to End Art DeCarlo. Mrvos converted the first of seven perfect placements to give Georgia a 7-0 lead after seven minutes of play.

The Pack received the kickoff but were stopped on their own 43 and were forced to punt. Georgia took the ball on the 12 and began another drive that ended with Bratkowski passing to DeCarlo for a TD play that covered 56 yards.

State was again stopped after Wyles was thrown for a 15 yard loss to the 10 while looking for a pass receiver and was forced to quick-kick. Georgia took the ball on the 42 but was penalized back to

the 27. This gave Bratkowski more room to pass and this he did. The drive ended with the quarterback passing 30 yards to Gene White in the end zone. The first period ended with Georgia leading 21-0.

The offensive power of State picked up when it received the second kickoff. This time Don Langston cracked the Georgia line for 16 yards and a first down on the 28. Langston again carried and picked up 4, Webster 5 and a quarterback sneak by Wyles picked up a second first-down on the 42. The Pack almost made it to mid-field but were stopped and forced to punt from their own 49. Georgia at once started down the field picking up first-downs every other play. Bratkowski scored on a quarterback sneak from the one. He then retired from the game to let his mates receive some credit for the win.

Three Bulldog scores in the second half were as follows: Substitute Quarterback Jimmy Harper passed 11 yards to Jackie Roberts; Harper carried for 12 yards through the State line; and Fullback Howard Kelly scored on a one-yard plunge in the final period.

Penalties, fumbles and pass interceptions prevented any serious scoring threats for the Wolfpack. Eddie West quarterbacked a couple of Pack drives in the last half, but these drives steamed-out far from paydirt. Fullback Don Langston again looked well in the State backfield with many ground-gaining plunges.

Alex Webster was injured in the second period and was carried from the field on a stretcher. His injury was not serious and he will be ex-

pected to play in the Davidson game next week.

State's offense failed for the second straight week. Eddie West made the longest Pack run of the day when he went 18 yards to the Georgia 36 in the final period. This was the deepest penetration in Georgia territory during the whole game.

First downs	7	31
Rushing yardage	126	437
Passing yardage	7	168
Passes attempted	5	10
Passes completed	1	7
Passes intercepted	0	2
Punts	7	6
Punting average	41.2	57
Fumbles lost	1	2
Yards penalized	52	50

Harriers Win Over Davidson

By JERRY ARMSTRONG

The State Cross-Country Pack started off its season with a flash of victory strides and a complete mastery of the top seven places. The Pack amassed such a score of top places in the event, that it was almost a perfect meet. They took it by a score of 15 to 46 of Davidson.

First place was a four way split between Garrison, Shockley, Sawyer, and Winslow of State.

1st Place	Time	School
Garrison	23:03	State
Shockley	23:03	State
Sawyer	23:03	State
Winslow	23:03	State
5th Place		
Miller	23:44	State
Spangler	23:44	State
7th Place		
Davidson	24:05	Davidson
8th Place		
Fenny	24:19	Davidson
9th Place		
Gooding	24:43	Davidson
10th Place		
Russell	24:44	Davidson
11th Place		
Martin	25:00	State
12th Place		
Carpenter	25:23	Davidson
Turner	25:23	Davidson
Howell	25:23	Davidson
Sparks	25:23	Davidson
16th Place		
Jones	25:24	State

Today State clashes with the Duke Blue Devils at Duke at 4:00. Last week Duke defeated the champions of the Southeastern Conference, Tennessee, in a very close meet 25 to 31. So in view of the facts this should be a very close meet.

Football Games

TOP GAMES

- Baylor over Arkansas
- Florida over Clemson
- Duke over South Carolina
- Georgia Tech over Tulane
- Kansas over Iowa State
- Maryland over Georgia
- Michigan St. over Texas A. & M.
- Mississippi over Vanderbilt
- Navy over William & Mary
- Oklahoma over Texas
- Princeton over Pennsylvania
- STATE over DAVIDSON
- Villanova over Wake Forest
- Virginia over George Washington
- UCLA over Rice
- Wisconsin over Ohio State

OTHER GAMES

- Friday Night
- Boston University over Miami
 - Bucknell over Temple
 - Florida State over VMI
- Saturday
- Alabama over VPI
 - Auburn over Wofford
 - California over Oregon
 - Colgate over Rutgers
 - Dartmouth over Army
 - Harvard over Washington (Mo.)
 - Holy Cross over NYU
 - Idaho over Utah State
 - Illinois over Washington
 - Kentucky over LSU
 - Louisville over Dayton
 - Marquette over Detroit
 - Michigan over Indiana
 - Minnesota over Michigan
 - Nebraska over Kansas State
 - Notre Dame over Pittsburgh
 - Purdue over Iowa
 - Penn State over West Virginia
 - SMU over Missouri
 - Southern California over SD Navy
 - Stanford over Oregon State
 - Syracuse over Cornell
 - TGU over Trinity (Tex.)
 - Tennessee over Chattanooga
 - Tulsa over Houston
 - Yale over Columbia
- Saturday Night
- Brigham Young over Utah
 - Texas Tech over Texas Western

MIKE KARMAZIN

Pack Line Coach

Another newcomer to the State coaching staff is big, likable Mike Karmazin. Mike joined the new staff last March in time to assist Coach Hendrickson with the installation of the brand new split-T formation attack for the Wolfpack and has taken over the duties of coaching the line.

A native of Irwin, Pa., Mike has a rich football background both as player and coach. After making all-state at Norwin (Pa.) High as a guard in 1939, Karmazin cast his football future with Duke's Blue Devils at Durham, N. C., where he was to become one of the Big Blues' best forwards.

All-American at Duke

Karmazin was an All-Southern under Coach Wallace Wade for two years, 1940-41, and was regarded as one of the best running guards ever to play for Duke. He was selected to the All-American second-team and made a first-team selection on the All-American Blocking Squad. Mike was one of the mainstays of the Duke Rose Bowl team which met Oregon State in the transplanted contest at Durham, January 1, 1942.

Mike entered the Coast Guard in 1942 and served for three years before returning to Duke to complete work on a Bachelor's Degree in History. At Duke he was assistant under Coach Wade during his undergraduate days.

Professional Ranks

Karmazin decided to take a crack at professional football in 1946 and

played two seasons with the New York Yankees. During both seasons in the play-for-pay ranks the Yankee team was runners-up to the Cleveland Browns for the pro (Continued on Page 12)



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IEWS AND PREVIEWS—

(Continued from Page 10)

South Carolina game will probably find the Tar Heels in the favorite position the only time this season.

Big Four Members Strong

The Big-Four teams of last season suffered the worse season in many years, but this year two of the teams are off to a good start. Duke presents a national rated team at the present with impressive wins over Washington and Lee, Southern Methodist and Tennessee. Wake Forest has only won once in three starts but looms as a top Southern team. The Deacons lost a heart-breaker opener to a highly favored Baylor team, 17-14, and then bounced back to beat William and Mary. The Deacons had to settle with a tie last weekend to an underdog Boston College eleven, but the future again looks bright for Wake Forest.

State and Carolina are requesting another year or two before they show their winning ability.

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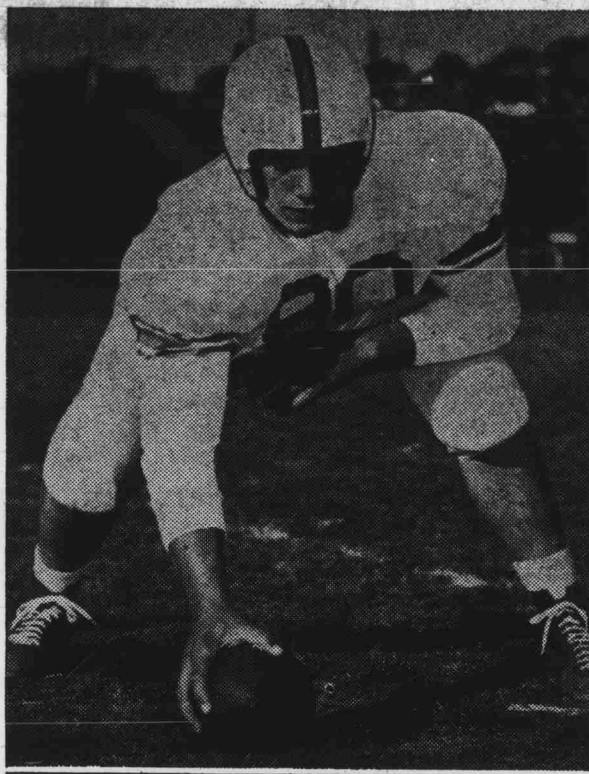
COACH—

(Continued from Page 11)

championship. Karmazin returned to Duke in 1948 to assist with the Duke defenses and remained with the Blue Devils until 1951 when he was named head coach at Fork Union Military Academy in Virginia. His 1951 team had a record of five wins and four defeats.

When Horace Hendrickson was named head coach at State he immediately sought Karmazin's services to help install the T-formation attack for the Wolfpack. Mike agreed to terms and immediately moved his headquarters to Raleigh where he and his wife Betty, and their two-year old daughter now make their home.

Although only 33 years old, Karmazin is regarded by Hendrickson as one of the best young football



CENTER BOB PAROLI N. C. State

coaches in the business. At State Mike will have charge of all line play and will concentrate his work on developing offensive blocking assignments, a department in which he excelled as a player.

(This is the second of a series of articles being taken from "Meet the New Wolfpack," a booklet published by the State College Publicity Director, Ed Storey.)

DAVIDSON—

(Continued from Page 10)

Carolina grid circles—names like backfield stars Jimmy Thacker, Jack Ruth, Roy White, Leroy Fargason, and Bobby Renn—and previously unheard of linemen like Ben Craig, Roger Wright, Bobby Loy, Jim Patterson, and Harold Davis. Couple these names with the renown of Captain Dick Whisnant, Alternate Captain Dick Kelley and Dickie Davis, and it is easy to see that Davidson's Wildcats are going to be reckoned with by season's end and all of next season.

The Cats have all sorts of respect for N. C. State, and will be out to show further improvement that may net them a victory—something that is long over-due in the Davidson record books.

RIDDICK—

(Continued from Page 10)

The best pass receiver on the Wildcats roster is End Dick Kelley. Kelley has caught 6 passes for 66 yards and two touchdowns.

The Pack has not offered much of an offense, at least none to speak of, in opening games. Full-back Don Langston has proven the most dangerous Pack runner this season with impressive line plunges. Alex Webster, last season's star, is labled as the best break-away runner but has yet to show his ability. Other top prospects on the Wolfpack roster are Micklem, Zubaty, Swanger, Tacker and Barringer.

The passing attack of State, which has yet to click, is led by quarterbacks Carl Wyles, Eddie West and Eddie Frantz as well as Webster. Top receivers are Steve Kosilla, Freshman Don Davidson, Dick Tyler and Webster.

The game is expected to show mostly offense and both teams will probably score at least twice. Davidson should hold the edge as being favored but the TECHNICIAN Sports Staff picks State by a touchdown.

Big Alex Webster turned in 25.2 yard average on 15 punt returns last season.

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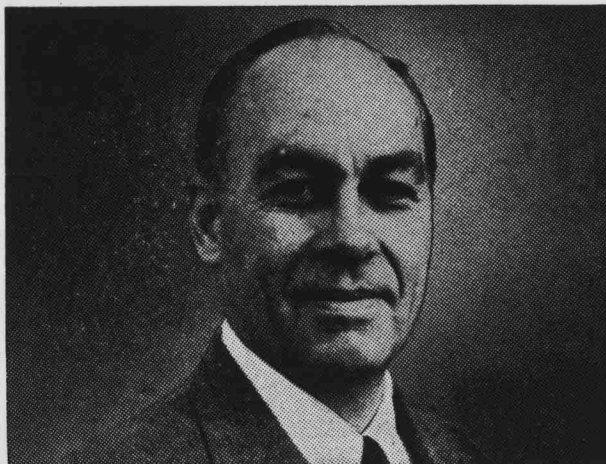
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In October Reader's Digest, you'll be interested in Cobalt 60—how an offshoot of A-bomb research is being used to fight cancer; Watch Out for the Weather—how its changes affect your physical and mental behavior; 29-page book condensation: Windows for the Crown Prince—an American woman's precedent-shattering experience as tutor to Japan's future Emperor.