

THE TECHNICIAN

of NORTH CAROLINA STATE COLLEGE

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Governor Lauds Work Of State; Comments On Future Progress

Alumni Association Opened To Students

The Executive Committee of the General Alumni Association of N. C. State College passed a resolution last August allowing students to become associate members of the organization. Since registration day, 244 students have taken advantage of this opportunity. The invitation should attract many more.

A special rate for the calendar year has been set for associate members. This fee includes a subscription to the State College News. Beginning with the November issue, this magazine will carry two pages of current student news. Normally the magazine is devoted almost entirely to news of former students.

Associate members have all the privileges of active members, except those of holding office and voting in the General Association elections. Active membership is automatically conferred upon the associate member upon his withdrawal from school. Graduation is definitely not a prerequisite for joining. Out of about 25,000 men who have attended State only one fourth actually graduated. Some of the most active members of the organization did not graduate.

Mr. H. W. (Pop) Taylor, Secretary of the General Alumni Association, says, "I knew nothing of the Alumni Association, and did not learn about it until after I had left college." It is hoped that this situation can be corrected by the new plan. It is the aim of the Association to promote the progress and general welfare of State College.

The Wake County State College Club meets quarterly; and at the next meeting, the time of which will be announced soon, all associate members will be welcomed. This meeting is held at the S&W Cafeteria after a dinner, and there it is hoped that students will be able to become better acquainted with both the alumni and the faculty. Those interested in affiliating with this organization are asked to come by Pop Taylor's office on the third floor of Holladay Hall.

"Our War"

Approximately 105 former students of State College have been killed while on active duty since the war began, and all of that number, with the exception of 14, were commissioned officers, according to figures compiled by the college alumni office.

Most of the fatalities occurred on foreign soil except a few who met death in plane crashes in this country, Frances Thompson, an assistant in the office, said.

State College has more than 5,000 alumni in the armed services, and they have won every American and honor conceivable for their gallantry, Miss Thompson stated.

Honored



Prof. G. HOWARD SATTERFIELD

Ceramic Dept. Home Of Vast Research Plan

The nation's largest research program on insulators for radar, radio, medical therapeutic, and X-ray equipment is being conducted, under sponsorship of the War Production Board, at N. C. State College, it was revealed recently by Prof. Robert L. Stone, acting head of the State College Department of Ceramic Engineering.

Recent addition of a machine capable of performing both extrusion and dry-pressing and a Globar kiln designed to automatically control temperatures up to 2,500 degrees Fahrenheit "has undoubtedly made State College's ceramic laboratories the best equipped in the entire country," according to Professor Stone. The new machines were designed especially for the work at State College, and they are, therefore, the only equipment of their type in the world.

When the War Department added a Signal Corps unit to the College's ROTC regiment in 1942, Professor Stone prepared a thorough course for the Signal Corps students on the complex subjects involved in the study of ceramic insulating materials for radio and radar instruments, and he condensed his course outline into a 63-page bulletin which was published and distributed by the College's Engineering Experiment Station.

Through the printed bulletin, Professor Stone's findings spread all over the world. His material is being used extensively by Chinese authorities and by the British Aircraft Commission in England. The WPB became interested in Stone's work and started a far-reaching program of research under Stone's direction.

Dr. A. F. Greaves-Walker, head of the College's Department of Ceramic Engineering, was called to Washington early in 1942 on full-time duty as deputy chief of the Metals and Minerals Branch of the Office of Production, Research and Development of the War Production Board. In this position he has

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Dean Cloyd Releases Fraternity Averages

According to figures released this week by Dean E. L. Cloyd, the scholastic average of the student body as a whole has dropped one-tenth of one per cent. The average of the fraternity men on the campus has also dropped, announced Dean Cloyd, to 74.1 for the school year 1943-44, as compared with an average of 75.9 for the year 1942-43. Although last year, the fraternity group showed a scholastic average one-half per cent higher than the previous year, 1941-42, and the non-fraternity group lost four-tenths of one per cent, the standings are reversed this year. The non-fraternity men have an average of 75.9 this year and had one of 75.5 last year. The average of the student body this year was 75.5, as compared to 75.6 for last year and 75.3 for the previous year.

Dean Cloyd also announced at the first meeting of the Interfraternity Council of the year, that a plan had been advanced whereby any fraternity having more than one and one-half points below the average of the student body will automatically be placed on probation for the following year. If the offending group does not build up its average the following year, that is, to at least that average of the student body, some form of penalizing action by the IFC will be necessary. The most drastic of those proposed was to ask the national organization to suspend or revoke the charter of the offenders.

For the past several years, the averages of the different groups, non-fraternity men, fraternity men, and the student body as a whole, have been within one per cent of the other two. It is desired by both the Faculty Council and the fraternities that the gap of five and eight-tenths per cent that exists between the averages of the fraternity and non-fraternity men

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Doors Open In 1889; 45 Students Enrolled

Satterfield Honored By Learned Societies

G. Howard Satterfield, professor of biochemistry at State College, has been notified of his election to membership in the exclusive American Society of Biological Chemists, noted scientific organization composed of 600 members with outstanding records in research.

The organization has only four members in North Carolina, and Professor Satterfield is the first elected from State College. His election to membership in the group was made on the basis of his research on vitamins. He has written more than 50 papers on vitamins, and his works have been published in 20 scientific journals in this country and in foreign countries.

Last spring Professor Satterfield was elected to membership in another exclusive scientific organization, the Society of Experimental Biology and Medicine, which has 1,500 members throughout the world. Two years ago he was made a member of the American Institute of Nutrition, international group of 250 members. The State College nutritionist is the only person in the State to be elected to all three of the learned societies.

YMCA Purchases Blue Ridge Retreat

According to latest reports from YMCA Secretary E. S. King, the execution of plans to obtain Blue Ridge Training Center is rapidly drawing to a close. The sum of \$78,000 has been raised, says Secretary King, of a requested total of \$150,000. The deed to the property has been secured by the officials of the YMCA and plans for the renovation of the grounds and buildings is to be applied in the immediate future. The need for an additional \$23,000 to be used to retire the mortgage was emphasized by King in his most recent statement.

Secretary King and Edgar A. Orr left for Atlanta, Ga., yesterday to attend a three-day meeting of the Southern Executive Council of the YMCA. Each local "Y" has three representatives on the Southern Executive Committee and from this group is chosen the Executive Council. The members of this Council regularly to discuss and formulate plans for the Southern District of the YMCA. State College is indeed fortunate to have two representatives on this Council.

King and Orr will return Sunday.

First State Student Here for Ceremony

Celebrating its 55th anniversary while its laboratories and war-training programs were going full blast, State College Tuesday proudly reviewed its eventful past devoted to the advancement of technical knowledge and heard Governor Broughton pledge its future accomplishments to the development of science for the "happier living and greater earning capacity for the people of North Carolina."

A history motivated by high ideals and filled with monumental achievements and a future dedicated to the betterment of agriculture, engineering, and textiles which make up the nation's industrial life were discussed by Governor Broughton, the main speaker, who pictured an enlightened and a wealthier citizenry as a result of State College's future work in education and research.

"Our eyes," declared Governor Broughton, "are not toward the past—they are toward the future. The greatest days for the nation and for State College are ahead of us."

"Look back over 55 years in retrospect. Take pride in the institution's achievements, and then look forward to brighter days." Paying tribute to State College graduates, who have "died gloriously in battle," Governor Broughton said: "The part of State College in training men for war and in research will be unequalled by any institution in America."

"In spite of the hardships of war—a decreased faculty and inroads upon the student body—State College is coming out of the struggle with a fortified spirit and an expanded program of achievements."

The Navy Diesel Engineering Building at State College is a contribution of incalculable value to the war, and we expect to continue the school here after the war."

Wartime acquisitions of State College—assets which have come to the college as a result of the war—were listed by Governor Broughton: the Coliseum; the Diesel Engineering Laboratory; and the Bureau of Mines Experiment Station, together with laboratory equipment.

Governor Broughton lauded the Textile Foundation and the Engineering Foundation for their work in supplementing State funds to make State College one of the foremost schools of its kind in the land.

Col. J. W. Harrelson, administrative dean of State College, in a brief speech, declared:

"Time will not permit a review at these exercises of the growth from 1889 to 1944, to a student body of 2,000 persons, a faculty of 248, a plant of 42 buildings, an

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Intramurals Begin On Monday



Here are three centers on the 1944 version of the N. C. State College Wolfpack, which will play the Tigers of Clemson College in Charlotte Saturday afternoon, October 7. Reading left to

right: James Maddock of Tarentum, Pa.; Bill Hupp of Buckhannon, W. Va.; and Bob McRaney of Fayetteville, N. C. Maddock is in the starting lineup.

Ray Reeve Praises Beattie's Headwork

Excerpts from Ray Reeve's sports broadcast show that this school is not without friends in the sports' world. In his script Monday night were the following few statements:

"Playing in a sea of mud and in a driving rain which abated only during the last five minutes of the game the Wolfpack did themselves proud in beating the Cavaliers of the University of Virginia thirteen to nothing. Let me say right here that Head Coach Beattie Feathers deserves the highest praise for the masterful manner in which he mapped out the strategy employed by the Wolfpack during this game. No coach in the country could have done a better job, few would have done as well. Coach Feathers completely out-figured and out-generated his more experienced rival, Frank Murray, from opening kickoff to final whistle. The Virginia sports writers and the Virginians in general are inclined to consider that bad breaks are what beat them rather than an up-and-coming Wolfpack eleven. Nothing could be any farther from the truth. The fact is that the Virginia varsity was simply outsmarted. With playing conditions being what they were State resorted to a kicking game, being content to let Virginia handle the wet and slippery ball to their hearts' content. This the Cavaliers did and for three quarters of the game did a very creditable job. Of course, in resorting to this kind of a game, that is, kicking on first and second down, State obviously was not going to run up an impressive total in the matter of first downs or yards gained from rushing. In the fourth quarter the law of averages caught up with Virginia and fumbles began to develop, two of which State recovered in the end zone for touchdowns and the ball game. Thus Virginia did most of the ball carrying and State did all of the scoring. And just in case you haven't heard, the pay-off is made on the final score."

Military Companies To Have Sports Teams

Representatives from the several dormitories and fraternities on the campus met in Mr. Miller's office Tuesday night, Oct. 3, to discuss plans for intramurals this year. Every dormitory section and fraternity was represented with the exception of two. Tentative plans were set up for the organization of leagues. Mr. Miller requested that each organization have its team manager chosen and his name in the office before the end of the week.

Schedules are to be organized for touch football and volleyball for the fraternity league and the dormitory league. An elimination tennis tournament for doubles teams only is being planned. Eight fraternities will probably field teams in touch football and volleyball and each of the dormitories will be represented by the allotted number of teams. Each military company will have a team. The north and south sections of Watauga, the east and west sections of Gold and Welch and each floor of Bagwell will be represented by a team and one team from Fourth.

The same rules will govern as were used last year. Touch football and volleyball matches will begin promptly at 5 o'clock on freshman field. Dormitories and fraternities will play Mondays, Tuesdays, and Thursdays. The military companies will play on Wednesdays. Fridays will be used for games rained out during the regular schedule.

Cross-Country Track Team Being Formed

For the first time in seven years, State College is to have a cross-country track team. By Tuesday afternoon, 43 candidates for the varsity team had worked out in preparation for the try-outs. There are eight positions on the varsity squad, and as yet, none have been filled. Upperclassmen are especially invited to try out

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AG CLUB OFFICERS

Hugh P. Bell of Huntersville has been elected president of the State College Agricultural Club, largest departmental organization on the campus, it has been announced.

Other new officers are: C. G. Dawson of Dunn, vice president; A. W. Wilson of Hillsboro, secretary; C. A. Griffin of Rocky Mount, treasurer; M. F. Bostic of Magnolia, reporter; and Bob Wood of Graham, program chairman. Dr. J. F. Lutz was named faculty adviser.

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ANNIVERSARY

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agricultural experiment station second to none in the entire Southeast, and an Agricultural Extension Service which has led the rural people of North Carolina to a higher standard of living than that now enjoyed by the rural people of any southern state. State College is truly living up to the statement that it is an investment for the economic development of North Carolina."

In introducing Governor Broughton, Colonel Harrelson said: "No governor of North Carolina has exhibited a greater interest in the college and its program than has the present Governor. We can thank him for the yet unfinished Coliseum, the Diesel Engineering Laboratory, the increased appropriation for the expansion of the North Carolina Experiment Station, the Bureau of Mines Experiment Station, and many other items of progress."

Distinguished guests included Josephus Daniels, one of the promoters of the College; Major General Duard S. Wilson of Greenville; and W. D. Carmichael, Jr., controller of the Greater University of North Carolina. Dr. Frank P. Graham, president of the University, was unable to attend because of pressing business in Washington with the War Labor Board.

Three members of State College's first class attended the exercise and were recognized: L. T. Yarbrough of Raleigh, W. J. Mathews of Goldsboro, and Prof. C. D. Williams of Raleigh. Mr. Mathews was the first student to register at State College.

The exercises were begun by an academic procession which gathered at Memorial Tower and moved to Pullen Hall. Col. Harrelson presided over the exercises.

Music was furnished by the State College Orchestra, under the direction of Major G. D. Kutschinski. The invocation and the benediction were spoken by the Rev. H. I. Glass, superintendent of the Raleigh District of the Methodist Church. Col. Douglas N. McMillin, commandant of the College's De-

CERAMICS

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had charge of all ceramic research. Stone was left to carry on the work at State College.

Insulator plants were troubled with a lack of process controls, and the WPB assigned State College the problem of setting up production control methods to be used by the high-priority industries.

Professor Stone and his chief assistant, Prof. Charles R. Bramer, have turned out reports embracing more than 400 pages and including photographs, charts, graphs, tables, and a vast amount of technical information regarding the research accomplished. The material has been sent to WPB headquarters in Washington whence it has been dispatched to industries throughout the nation.

One official, Dr. Greaves-Walker continued, declared: "The State College project is one of the outstanding pieces of ceramic work carried on in the country and constitutes a great contribution to ceramic knowledge."

CROSS-COUNTRY

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for the squad as there has been no opportunity for such an event in the past seven years. Men desiring to try out for the team, for which a varsity emblem will be awarded, should apply to Coach Tom Hines at his office in the gym.

AVERAGES

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be bridged at the earliest possible time. Sentiment among the various organizations indicates that this is exactly what is going to happen in the near future.

partment of Military Science and Tactics, was the marshal for the procession.

Following the program in Pullen Hall, Josephus Daniels spoke at a luncheon honoring the invited guests. Dr. L. E. Hinkle, chairman of the College's Public Lectures Committee, presided over the luncheon which was held in the YMCA Dining Hall.

Schedule Announced For Agromeck Pictures

Next week upperclassmen—sophomores, juniors, and seniors—and fraternity men, including the pledges, will have their 1945 Agromeck pictures made. Fraternity men wear tux coats and black ties. Others wear white shirt, dark tie and dark coat. The pictures will be made in Owen Hall (beside the library) between the hours of 7 and 11 p.m.

Monday Night — A through J (Upperclassmen).

Tuesday Night—K through S (Upperclassmen).

Wednesday Night—T through Z (Upperclassmen).

Thursday Night—Sigma Phi Epsilon, Alpha Lambda Tau, Lambda Chi Alpha, Sigma Alpha Mu, Pi Kappa Phi.

Friday Night—Pi Kappa Alpha, Delta Sigma Phi, Sigma Chi, Sigma Pi, Sigma Nu.

NOTICES

There will be a meeting of the Junior class in the YMCA auditorium Wednesday, October 11, at 12 o'clock. It is urgently requested that all juniors be present as an election will be held for class secretary and for a representative to the Student Council.

There will be a meeting of the editorial and business staffs of The Technician Monday afternoon at 5:00 p.m. Students who want to work on either staff will be welcomed.

The American Society of Civil Engineers will hold their first meeting of the year Tuesday night, Oct. 10, at 7 o'clock in Room 208 of the Civil Engineering Building. President Frank Geluso announced that the purpose of the meeting is to reorganize for operation this year and to acquaint the freshmen with the purposes of the organization. All freshmen registered in C. E. are urged to attend and all old C. E. students are expected to be there.

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Through Tuesday

Phil Baker - Phil Silvers

—In—

"TAKE IT OR LEAVE IT"

Weds.-Thurs.-Fri.

Andrews Sisters - Leo Carrillo

—In—

"MOONLIGHT & CACTUS"

CAPITOL

Friday-Saturday

"TRIGGER TRAIL"

Alaskan Mystery No. 2

Red Cameron - Fuzzy Knight

Sunday

"STRANGERS IN THE NIGHT"

William Terry - Va. Grey

Monday-Tuesday

"THE HEAVENLY BODY"

William Powell - Eddy Lemmarr

Wednesday-Thursday

"BLACK MAGIC"

Sidney Toler as Charlie Chan

Friday-Saturday

"MARSHAL OF RENO"

Wild Bill Elliott as Red Ryder

VARSITY

Friday

"DUKE OF WEST POINT"

Jean Fontaine - Louis Hayward

Saturday

"HITLER'S MADMEN"

Patricia Morrison - John Carradine

Sunday-Monday

"NO TIME FOR LOVE"

Claudette Colbert - Fred MacMurray

Tuesday

"WEEK END PASS"

Martha O'Driscoll - Noah Berry, Jr.

Wednesday

"BRIDGE OF SAN LUIS REY"

Lynn Bari - Frances Lederer

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