

WEATHER FORECAST:  
INCREASING CLOUDINESS,  
AND WARMER

# The Daily Tar Heel

GRAIL DANCE  
BYNUM GYMNASIUM  
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## AUDIBLE LIGHT IS SUBJECT OF TALK BY JOHN TAYLOR

Consulting Engineer Will Conduct Scientific Experiments In Memorial Hall Monday.

Some of the wonders of modern science, particularly those relating to light and sound, will be displayed by John Bellamy Taylor, consulting engineer of the General Electric Company, of Schenectady, N. Y., in his address on "Audible Light" Monday evening in Memorial hall.

The novel experiments which Taylor will conduct will be explained by him as results of perfectly natural scientific laws. He deals mainly with one type of the phenomena—that, whereby light is translated into sound.

His dominant interest has long been acoustics and music, and he has rendered valuable service in the field of talking moving pictures as well as in the co-ordination of telephone systems with power transmission lines. He is especially noted for producing seemingly astounding effects with a photoelectric of "eye" tube. This is the kind of demonstration that he will conduct in his address, causing the photo tube to "see" light from various sources. The light instantly sets up within the tube feeble electrical currents which, amplified by vacuum tubes, are converted into sound waves heard through a loud speaker to which the apparatus is electrically connected.

By his use of vacuum tubes, Taylor gives a working demonstration of some of the most significant of the new tools that have been developed since the dawn of the electrical era. The address will give a clear indication of the certain possibilities which reside within the newest types of vacuum tubes.

## REPRESENTATIVES ARE CHOSEN FOR COMING DEBATES

Two More Contests This Spring Will Be Conducted on Oregon Plan.

At the meeting of the debate group Thursday evening it was announced that Dan Lacy, McBride Fleming-Jones, and John Wilkinson will represent the University in the debate with New York university. Lacy will make the constructive speech, Fleming-Jones will conduct the cross examination, and Wilkinson will deliver the rebuttal. The debate will be conducted on the Oregon Plan, and will take place April 6, the subject to be discussed being phrased: Resolved, that Socialism has more to offer the people than Capitalism.

In the debate with Western Reserve, scheduled for March 31, the subject, Resolved: That Capitalism as a plan of economic organization is unsound, will be argued by Don Seawell and E. E. Ericson, who will attack capitalism, and by Ed Lanier who will support our present economic system. The reason for this split debate is that Western Reserve had a man worthy to make the trip but who could not conscientiously support the capitalist system.

In the Georgia Tech engagement, which will also be on the

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## TEN YEAR PLAN GETS UNDERWAY

Dean Baity Attends Conference of Tyre Taylor's Committee in Charlotte.

Dean Herman G. Baity of the school of engineering attended a meeting of the Ten Year plan committees for North Carolina at Charlotte Thursday. The purpose of the Ten Year plan is to "bring in wealth, create wealth, and enable the state to retain wealth." Dean Baity headed a committee which is working on industrial and agricultural research. This committee selected several projects for immediate action and others to be regarded as "pending."

It will submit to the board a suggestion that a campaign be started at once to bring about the consumption of more milk in order to promote the dairy industry and to better general health conditions throughout the state.

The publication of an economic primer for use in state schools, the establishment of farm industries, and the promotion of curb markets in towns and cities were also adopted at the meeting. Tyre C. Taylor of Raleigh, its originator, said that it would be incorporated into a working organization by the beginning of spring.

## SEVERAL ALUMNI ARE NEAR FIGHT AREAS IN CHINA

Graduates in Shanghai and Nanking Include Missionaries, Banker, and Merchants.

It was learned yesterday through the central alumni office that seventeen University alumni are now living in China. Of this number ten are residents of Shanghai, the center of the Sino-Japanese military hostilities, and one alumnus make his home at Nanking, which was bombed by enemy planes last Tuesday.

The alumni residing in Shanghai include missionaries, bankers, and merchants. Dr. George C. Worth, '91, and Dr. Robert T. Bryan, Sr., '82, are missionaries, while Dr. Bryan's son, Robert, Jr., '16, practices law in Shanghai. Paul Faison, '06, lives in that city although he is the United States consul at Nanking. George P. Hunt, '23, and L. E. Bradsher, '14, are both connected with the tobacco business there. Eugene Barnett is a Y. M. C. A. secretary.

Other alumni in Shanghai include W. M. Lewis, '22; Miss Hannah J. Plowden, '28, of the Shanghai Baptist college; and Evan W. Norwood, '16, who is in the banking business.

Graduates of the University living elsewhere in China are Cheng-Chin Hsiung, Kiangsi; J. N. Joyner, '10, who is associated with the British-American Tobacco company in Nanking; Arthur C. Hayes, '30, of Canton; A. B. Owens, '21, of Trientsin; F. A. Cox, '05, a missionary in Soochow; and W. B. Johnson, '20, R. M. Paty, Jr., '14, and Miss Marion Wilcox, '18, all of whom are engaged in educational work in Soochow.

## Merritt Improving

J. E. Merritt is reported as getting along well from an operation for cataract performed in the McPherson hospital, Durham.

## KNOW YOUR UNIVERSITY

(EDITOR'S NOTE: In the same vein in which a survey of University courses was presented before the holidays, the Daily Tar Heel continues with this issue a comprehensive summary of campus institutions with the idea of causing every citizen of the University to become better acquainted with the policies and systems of operation of his service organizations.)

### ENGINEERING SOCIETIES

There are on the University campus four student engineering societies, one for the students of each engineering school. Each of these societies is an off-shoot from its parent national organization and, except for the student chapter of the A. S. M. E., the members of the student groups are merely affiliates of the sponsoring body and not actual members. These student chapters are branches of the American Society of Civil Engineers, the American Institute of Electrical Engineers, the American Society of Mechanical Engineers, and the American Institute of Chemical Engineers.

These student organizations were formed, here as elsewhere, for the purpose of stimulating interest in the professions, generating a friendly feeling between the upper and lower classes through social intercourse, establishing helpful contacts with general field problems and outstanding members of the engineering professions, and for the purpose of fostering the ethical ideals and standards of the national organizations. In some instances they receive financial and educational aid from the sponsoring body. They are also the recipients of periodicals published by the national societies and of placement bureau services.

The chapters are each under the eye of a faculty advisor or supervisor, but conduct of the meetings is largely a matter of student initiative. Meetings sometimes consist wholly of student discussions or lectures (sometimes illustrated) but they are interspersed from time to time with talks from prominent engineers. National officers not infrequently attend the meetings of students and offer interesting and instructive comments on the work in their fields to the embryo engineers.

**A. S. C. E. Group**  
The William Cain Student chapter of the A. S. C. E., of which Professor T. F. Hicker-son is faculty supervisor, was named in honor of the late Dr. William Cain of the University faculty. It was inaugurated about 1920, shortly after the establishment of student chapters became part of the national program. All civil engineering students are automatically made members by a charge included in their registration fees; however, only juniors and seniors are entitled to wear the button of membership.

Chapter meetings are held bi-weekly and programs consist alternately of student discussions or illustrated lectures and addresses by prominent engineers. The national society also furnishes educational reels, showing interesting details of professional work.

Besides the annual meetings of the A. S. C. E. in New York, there are three others, regional meetings, held in different parts of the country. These are attended by student representatives and at them student activities are discussed. In each state a sectional contact man is appointed by the national society to act as an intermediary between it and the student chapters which he must visit at least once a year. The contact man in North Carolina is W. M. Piatt, consulting engineer of Durham.

There are about one hundred student chapters in the United States; in 1930 there were 5,434 members. Especially for the members, the A. S. C. E. publishes a monthly periodical, *Civil Engineering*, which deals with technical problems in a readable and understandable style.

The A. S. C. E. is the oldest and richest of the national engineering societies. An annual monetary prize is offered in each section for the best student member article on some pre-assigned topic.

Officers of the William Cain chapter are: John Andrews, president; C. H. Atkins, vice-president; Adrian Daniel, Jr., secretary; and E. G. Robbins, treasurer.

**A. S. M. E. Group**  
The U. N. C. branch of the A. S. M. E. was established in 1929. Before last year, it, like the student branches of other engineering societies, was merely sponsored by its national organization. Last year however, as a result of the student session held in the national convention at Birmingham, the University of North Carolina was among the fifteen southern colleges and universities selected to try a new scheme whereby the student branches be given an actual membership in the society and thus allow a qualified student member to automatically become, upon graduation, a junior.

All mechanical engineering students are eligible for membership in the society. At present about twenty per cent are members. The meetings of the chapter, which take place every other week, are run largely by the students and are of much

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## TWO AUDIENCES TO HEAR DARST

Eastern Carolina Bishop Will Address Student Forum Sunday Night.

The Rt. Rev. Thomas C. Darst, bishop of the Eastern Carolina diocese, who is to preach tomorrow morning at 11:00 o'clock in the Episcopal church, will address the student forum at 7:00 o'clock in the evening on the subject, "What Constitutes Success." Opportunity will be given to meet Bishop Darst at the parish house tea tomorrow afternoon, to which townspeople and students are invited.

In 1928 Bishop Darst was honored with a D.D. degree from the University. Since 1915 he has been bishop of the Eastern Carolina diocese. He is chairman of the national committee on evangelism of his church and is an active leader in the Red Cross and social service work of this state.

When Bishop Darst appeared in the pulpit here last year, he was accompanied by three students from the Virginia Theological Seminary. Rev. A. S. Lawrence, Episcopal rector, has announced that another group of students from that institution will probably come here after Easter to conduct a series of services.

## GORDON STRESSES SUMS SPENT FOR UPKEEP OF ARMS

Extension Secretary Declares Armaments Fail to Protect Life and Property.

In his talk on world disarmament yesterday morning, Linley V. Gordon, extension secretary, made the startling statement to assembly that \$8,000.00 every minute during the Geneva Conference sessions was being expended upon armaments by those very nations represented there for the purpose of disarmament.

The United States is spending a huge sum every year in preparing for war, Gordon pointed out, and that sum exceeds the amount which the country had been spending previous to the World War. Victories of the past war are purely Pyrrhic, according to Gordon, for "every nation that defeated Germany," he averred, "is on the bread-line today. Yet, every one of them is spending at least seventy-five per cent of its national budget preparing for war!"

On the subject of debts, Gordon declared that England, in order to pay its debts, would have to pay out \$500,000 daily for three generations, while Germany would have to pay \$1,000,000 daily for six decades. "From the cost of war," the speaker pointed out, "it is not difficult to see that the building up of superfluous armaments is economically destructive."

He set forth the fallacy of the idea that war is a means of protecting life and property, and added that the one and one-quarter million Englishmen who are buried in France reduces to an absurdity the idea of plunging into a war for the sake of protecting the lives of citizens.

## Monogram Club Picture

All monogram men are asked to report at Kenan stadium Monday afternoon at 3:30 to have their pictures taken for the *Yackety Yack*.

## ALUMNI WILL AID IN STUDENT LOAN FUND CAMPAIGNS

Clubs in Greensboro and Durham To Gather Next Week to Make Drives.

Practical results of the resolution passed at the General Alumni Assembly last week will be demonstrated when the Greensboro and Durham alumni clubs gather next week to take action on the emergency student loan fund. These are the first of a series of meetings which are scheduled for the principal alumni centers throughout the state. President Frank P. Graham is to speak at each of these gatherings on the financial status of the University. It is also very likely large alumni groups outside of the state will meet for the purpose of assisting needy students.

J. Maryon Saunders, executive alumni secretary, is making necessary arrangements with the presidents of local alumni clubs for dates and speakers for the meetings projected.

Each of these meetings will be followed by an intense canvass of alumni and friends of the University in the several towns by committeemen to be appointed at the session of the alumni group in each locality. Felix A. Grissette, director of the Alumni Loyalty Fund, and the fund council will supervise the work of these local committees.

As a further part of the statewide campaign a special committee of former University students who borrowed from the loan fund will solicit all former borrowers. They will attempt to persuade them to give to the emergency student loan a sum equal to that which they borrowed as students. It is estimated that this special canvass will include over 3,000 graduates of the University.

## SIMPLE SERVICE MARKS FUNERAL OF J. C. BYNUM

Rites Prepared by Rev. W. D. Moss Read by Bradshaw and Comer.

Funeral services for Professor Jefferson C. Bynum, popular member of the University faculty, who died Wednesday morning in the Duke university hospital, following a stroke of paralysis brought on by a long illness, took place in the Presbyterian church yesterday morning at 11:00 o'clock.

Since Dr. W. D. Moss, pastor of the church was unable to attend because of illness, Dean F. F. Bradshaw and H. F. Comer read the service prepared by him. Burial was made in the Chapel Hill cemetery.

Active pallbearers were R. B. House, H. D. Meyer, C. T. Murchison, I. W. Summerlin, of Chapel Hill, and Dr. Banks Anderson and Joe Smith, of Durham.

Honorary pallbearers were Frank Graham, Collier Cobb, D. D. Carroll, W. DeB. MacNider, H. V. Wilson, T. J. Wilson, A. C. McIntosh, C. E. Preston, John Couch, M. T. VanHecke, R. H. Wettach, C. T. Woolen, G. E. Shepard, R. A. Fetzer, E. A. Abernethy, Albert Coates, Otto Stuhlman, O. J. Coffin, C. S. Mangum, George McKie, and A. S. Wheeler, all of Chapel Hill, and D. T. Smith, of Durham.

## SENIOR DANCE LEADERS

The senior class meeting for the third time during their fourth year here elected a dance leader and six assistants to officiate at the annual Junior-Senior Ball which will take place either in April or May.

Hamilton Hobgood, president of the class, was unanimously chosen to be chief among these leaders. To assist him the following were named: Adrian Daniel, Harry Finch, F. W. Slusser, Tom Watkins, Tom Rose, and Haywood Weeks.

The president of the class is traditionally chosen without opposition to lead the dances, but a "frame-up" is organized to elect the six assistants. There is a superstition about success in the election by a "frame-up" of both the assistant dance leaders and the senior superlatives. No such "frame-up" has ever been successful in the general spring elections.