FRESHMAN SMOKER SWAIN HALL TONIGHT — 9 O'CLOCK

# The Daily Tar Beel

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Annual Christmas Concert Will Combine Orchestra, Organ And Voices.

The University symphony orchestra is to provide the accompaniment at the presentation of The Messiah on the fifteenth of this month. This concert will be given in the new music auditorium and the profits are to be turned over to the Orange County unemployment fund. The admission price will be fifty cents.

The personnel of the orchestra to play at the performance as given out yesterday by Professor McCorkle includes first violins, T. Smith McCorkle (concertmeister), Orlindo Cates, Thomas M. Johnson, Ray W. Foster, and J. M. Shachtman; second violins, Benjamin G. Winig, Henry Gartzman, Katherine Wheaton, F. G. Jacocks; arise. cellos, Crosby G. Blackwood, Lawrence Hatlestad; violas, Hugo Giduz, Loretz Ramseur; bass, James Pfohl; oboe, Lydane Miller; clarinets, R. Flynt, Walter Prescott; bassoon, W. F. Ferger; flutes, Lamar String- DDECC field, R. M. Chamberlain; horn, William Abernethy; trumpets, C. H. White, Jr., H. A. Brooks; trombone, George Lawrence; tympani, F. B. McCall. Mrs. A. S. Wheeler will act as pianist, and Professor Nelson O. Kennedy as organist.

gan, and voices.

secured. Those selected are Ed- Nonnulla, by Joseph Blount ward Molitore, tenor, Mrs. Cam- Cheshire will be released in the illa Molitore, soprano, Mme. next few days. Emily Berger Cullum, contralto. for the last two months.

Hamilton Hobgood Recipient of Mary D. Wright Award.

The Mary D. Wright memorial debate medal returned to the Phi Assembly after a two-year stay in the possession of the Di Senate when Hamilton Hobgood, of the Phi, won the prize Tuesday night in Gerrard hall. The victorious Phi team upheld the affirmative side of "Resolved: that the state of North Carolina should levy a luxury tax for the support of its institutions of higher learning." Billy Uzzell teamed with Hobgood. McBride Fleming-Jones and Clyde Shreve, representing the Di, presented the negative argument. J. C. Williams, winner of the medal last year, presided.

Throughout the debate, the speakers centered their attention upon the feasibility of a luxury tax as a means for remedying the lamentable financial condition surrounding North Carolina's institutions of higher learning at present. The affirmative saw in such a tax the longsought-after proper distribution of the burden of taxation for educational purposes. This contention met with the approval of the judges, who declared the affirmative the winner and Hobgood the abler speaker of that

### Council After Good N. C.-Duke Relations

Members of the student council are this week making talks sophomores in regard to the athletic relations which have existed between Carolina and Duke in the past.

Mayne Albright, secretary of the student council, spoke yesterday, and Red Greene, president Student Union, will speak today and Friday.

trying to put across to the student body is that the University is just now beginning our relations with the real Duke University, both in athletics and other fields. The precedent which No one knows just yet what is established next Saturday will have a great effect on our relations in the future. The two rivals can profit greatly from each other and a clash or possible severance in athletics would destroy their mutual advantages in other fields. However it is hoped that no such situation will

While Carolina is teaching her students good sportsmanship for her close rival, the student council of Duke University is doing the same thing along this line.

Etchings By Steene and Stories By Cheshire To Be Published Soon.

The University of North Car-The concert is planned to be a olina Press will publish two combination of orchestra, or- books of interest to Carolina oil wore out; i. e., lost its oilistudents. Six etchings of the ness. Researchers getting to the All of the artists have been University of North Carolina roots of the problem, finally desecured except the bass. Those by William Steene and a book,

William Steene is a member The chorus has been practicing of the Salamagundi Club, the and J. Foster Barnes, bass. The national society of Mural Paintchorus has been practicing un- ers, American Federation of der the direction of Dr. Dyer Arts, and several other artists clubs. He has exhibited or been represented in the National into its chemical elements. Teditectural League of America, Grand Central Art Galleries, other galleries and at several universities. He has been living and working in Chapel Hill for several years and has studied oils are much more refined than oil to bolster its lubricating pro- 11. the scenes represented in the six others. If oils are too pure they lished. The etchings are the Old Well, the Episcopal Chapel, the Playmakers Theatre, Old East, Davie Poplar, and the Ke- on one of the best lubricating equator and a month later is United States. nan Stadium.

> as a great story teller. He has because the weight of the skater run away nor too hard to become the forum, will speak on the subat last been prevailed upon to melts the ice under the runners useless. put some of the best of his stories in writing. The book is BOGGS TO ATTEND more than a collection of stories. It is woven of the very warp and woof of North Carolina the names, with illustrating estimates and anecdotes. In presenting these "Not Nothings," as he calls them, Bishop Cheshire

## **Tickets Exchanged**

Football tickets for the Carolina-Duke game are being exchanged for passbooks today and tomorrow at the Y. M. C. A. As has already been announced students may sit with their dormitory or fraternity groups by getting their tickets in blocks or asking for seats in their group section.

# FOR CAUSE BACK OF OILINESS

in chapel for freshmen and For Years Research on Problem Has Been Going On With the have been visiting in the home Final Result That Machinery Has Been Devised to Measure Degrees of Slipperiness.

> eral Engineer Westinghouse Corporation

Mankind, in general, regards a treacherous banana peel underfoot as the pinnacle of slipper-The idea that the speakers are iness. Just another case of prejudice though; because oil, such as used to lubricate electric machinery, would give him a farther and faster ride than the best banana skin in the country makes oil so oily, but research engineers are hot on the trail.

> Scientists have long known that oil makes a good lubricant -but soap suds, or steel on ice, is better if slipperiness is the only aim. Despite the profound technical knowledge of the twentieth century, man does not know exactly what makes oil oily. Ordinary chemical and physical tests merely check the uniformity of oil shipments, but tell nothing of the lubricating value.

> A group of scientists, isolated in a building of their own, have been stalking the answer - to "what makes oil oily", for the a pot of porridge for seasoning there is yet no test nor instrument that will tell the answer. In the past to determine this elusive property the lubricant was placed in service until the vised machines for measuring this slippery property—they can tell the degree of "oiliness"; but just what makes one oil more slippery than another is still a worrysome question.

Crude oil, as it comes to the laboratory from wells scattered throughout the world, is tested for oiliness and then broken up Academy of Design, the Archi- ous comparative studies are made of samples which behave exactly alike except for oiliness; Milch Galleries, and several doggedly striving to find what the degree of refinement of the etchings which are to be pub- become water white (like the

Bishop Cheshire is well known fortless propulsion is possible must never become so soft it will is to address the next session of

By Hendley N. Blackmon, Gen- and he scoots along on a film of the skates.

bearings need Graham. Automobile only a small fraction of a Friday afternoon Mrs. T. S. thousandths of an inch oil film; McCorkle will entertain at bridlarge electrical machines require ge in compliment to Mr. and an oil film about .0012 inches Mrs. Graves, and Friday eventhick—the same part that 3-4 ing Mr. and Mrs. J. M. Bell will inch represents in a city block. entertain them at a bridge party. Measurement of the oil thick- Next Wednesday night Mrs. Carness in big electrical machines rington Smith will entertain at shows that the shaft wanders a theatre party. about in the oil film very curiously, climbing up one side and slipping down the other. Though microscopic in size, the film is past few years. Unlike tasting always thick enough to keep the metals from direct contact. Dungan Elected President and Trouble begins as soon as the film is ruptured and the metals touch, which happens sometimes due to minute imperfections in machined surfaces, misalignment of shaft and bearing, and organization meeting Tuesday warping of the bearing shell by night on the second floor of excessive heating.

> exceedingly open handed in her group. gift of oils—vegetable oils are

surfaces known. The almost ef- anchored in Alaska—the oil

# FOLK-LORE MEET

Dr. A. P. Hudson, professor head of the English department, engineering,

an exhibition on December 2. often since.

# SLADE LECTURES

Yesterday afternoon at three book could answer well to a roll- of English, R. S. Boggs, assis- o'clock the mathematics seminar call of North Carolina's great tant professor of Spanish and was held in Phillips hall. Profesprobably Dr. G. R. Coffman sor J. J. Slade, of the school of conducted the will attend the meeting of the seminar with his own treatment meeting of the North Carolina of the "Differentiation and Inhas given us a "cross-section" of Folk-Lore Society in Raleigh, tegration of one-integral orders North Carolina life and legend. Friday, December 5. Mr. Boggs with application of the theory to is to deliver a paper entitled the solution of Abel's problem of "The Legend of the Half-Chick." the fantochrone." The problem This meeting, as in previous is given: a bead on a smooth years, is being held in connec- curved wire. The bead is to fall tion with meetings of the North from point A to point B in a Carolina State Art Society and specified length of time. The the State Literary and Histori- question is to determine the cal Association, of which Dr. E. curve in the wire which will en-W. Knight, professor of educa- able the above conditions to be tion here, is First Vice-Presi- fulfilled. This problem was solvdent. The last two meet today, ed by Abel over two hundred though the Art Society opened years ago and has been solved

### Lawsons' Visitors **Extensively Feted**

Mr. and Mrs. Kenneth S. Graves of Geneva, New York, of Dr. and Mrs. R. B. Lawson for the last two weeks and have been entertained extensively.

Mrs. Graves was entertained water, not ice. Little globules of at a bridge luncheon Tuesday water cling to the steel runner, morning by Mrs. Alex Koonce, another layer is on the surface and Tuesday evening President of the ice, leaving a free layer of Frank Graham and Miss Kate water in the middle which gives Graham entertained at dinner almost frictionless movement of in compliment to Mr. and Mrs. Graves. Last night Miss Helen In electrical rotating machin- Shell entertained at a buffet supery, an oil film surrounds the per and bridge at the Irving amoving shaft and acts like the partments in Durham. Today at water film under the skate run- one o'clock, Dr. and Mrs. Collier ner. Tiny globules of oil adhere Cobb will entertain at a lunchto the revolving journal, other eon for Mr. and Mrs. Graves. to the meeting. oil molecules stick to the babbitt This afternoon from four to six bearing and the load rides mer- o'clock, Miss Estelle Lawson rily on the free film of oil in be- will entertain at a tea in honor of Mrs. Graves and Miss Kate

Sitterson Chosen Secretary at First Meeting.

Jack Dungan was chosen president of the polity forum in an Saunders building. Lyle Sitter-Never stingy, Nature has been son was elected secretary of the on the different campi, and other

The meeting, which was called widely used in cooking, animal by Beverly Moore, temporary oil glistens from sleek black chairman, was attended by hair; and mineral oils produce thirty-five students. The purpose our gasoline. Vegetable and of this forum is to interest peranimal oils are more oily and sons on the campus in national therefore the best lubricants; politics, and it is the plan of the but their family tree makes them organization to bring many notmore susceptible to oxidation ed statesmen to the campus. when in service. Straight min- Foreign relations will also be eral oils, preferably with a para- one of the topics of discussion by ffine base, last longer as a lubri- the forum. In this connection cant despite their lesser degree Professor Calvin Hoover, of makes the difference. It is not of oiliness. Like a sprig of mint Duke University has been asked in tea to enhance the flavor, soap to address the next meeting of Radio Speech Over WPTF Wedcrude oil—the same commercial is sometimes added to mineral the group Thursday, December

So far as can be ascertained, Oil leads a tough life, how- the organization on this campus widely advertised Nujol) and ever. For instance, machinery is the only one of its kind in lose their lubricating usefulness. on shipboard must be well lubri- the south. There are but few A person on ice skates rides cated. The boat crosses the others existing in the entire ity of its own," said Red Greene,

> Professor Calvin Hoover, who ject of "Russia." Mr. Hoover has for the past fifteen months been living in this country and TO MATH SEMINAR is well acquainted with conditions there.

It is the plan of the president to bring such men as Norman Thomas, Senators Borah and Reed, Secretary of Navy Adams, and Rabindrath Tagore to speak to the organization.

### Freshman Smoker

The first freshman smoker of the year will take place tonight in Swain hall at nine o'clock. Eats and smokes will be served. As yet no speaker has been secured, but Pat Patterson, president of the senior class, who will preside over the smoker, states that one will be obtained in time for the occasion. Music will be furnished by the Carolina Buccaneers.

John Cooper and Jack Ward Active in Proceedings of Interfraternity Council.

At a meeting of the National Inter-fraternity Conference held during the Thanksgiving holidays in New York City, John Phil Cooper, of the Sigma Nu fraternity and Jack Ward, of the Kappa Alpha fraternity, were the representatives from this campus. Both of these delegates were placed on several of the committees of the convention. 150 schools sent representatives

Pat Nelson of the University of South Carolina, and representative of the S. A. E. chapter at that institution, was elected president of the convention. Bill McKinze, Phi Gamma Delta, from Brown University, was chosen secretary, and John Phil Cooper, Sigma Nu of the University of North Carolina, was voted chairman of the executive committee.

Jack Ward, of the Kappa Alpha fraternity, the second delegate sent from this campus, was placed on the scholarship committee, and Cooper, received another position by being placed on the committee on morals.

This convention was attended by men from schools all over the country, who met for the purpose of discussing some of the problems which confront the different fraternities. The abolition of "Hell-Week," system of rushing, relations among fraternities such difficulties were discussed by the representatives.

Cooper, as one of the speakers on the program, made a talk on the subject of "Where fraternities' duties should yield to those of the university, and viceversa." A bill was also presented by the Sigma Nu represen-(Continued on last page)

nesday Explains Student Government

The student government of the University of North Carolina has been an individual growth, and it has developed a personalpresident of the student union in a radio address yesterday.

Greene went further to say that it depends largely upon the state of student opinion and student interests. He told of the work of the Student Council, its function, and its value. His object was to show the state high schools the value of student government in order that they might thoroughly understand it, should they establish such government in their schools. In summing up his remarks he explained that at Carolina there is no system espionage. When some act of misconduct is committed, the students will spontaneously act upon it and the form of action is to submit it to the Student Council, which is the controlling body of the student government.

John A. Lang, president of the North Carolina Federation of Students followed Greene's talk by explaining how the council was attempting to instill good sportsmanship among the students, for the Carolina-Duke game.