

DR. MACNIDER IS CHOSEN HEAD OF MEDICAL SOCIETY

Local Professor of Pharmacology Elected President of Pharmacology Society.

Dr. William deBorniere MacNider, Kenan research professor of pharmacology in the University of North Carolina and one of the world's leading authorities on diseases of the kidney, has just been elected president of the American Pharmacological Society.

Election to this distinguished group, made up of around one hundred leading pharmacologists from all sections of North America, places Dr. MacNider on the executive council of the Federation of Societies for Experimental Biology. The Federation is made up of four groups: the American Physiological Society, the American Pharmacological Society, the American Biochemical Society, and the American Society for Experimental Pathology. This group is primarily interested in scientific aspects of medicine and biological science.

Met in Philadelphia

The American Pharmacological Society, which Dr. MacNider is to head during the ensuing year, met in Philadelphia. The next meeting is to be held in Cincinnati. Membership in this group is based primarily on original research in terms of published papers.

The election of Dr. MacNider to this important position is regarded as a high honor for both the University and the man the board honored in honoring itself. Two years ago he was elected to the National Board of Medical Examiners, made up of twelve eminent physicians select from different sections of

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Brockman Will Conduct Service Sunday Evening

Sunday evening from 5:30 till 6:00 o'clock under the Davie Poplar there will be a vesper service conducted by Mr. Fletcher S. Brockman who is being brought here by the Y. M. C. A. Mr. Brockman will start his two day series of talks Sunday morning at 11:00 o'clock when he will conduct the services at the Presbyterian church. The vesper service under Davie Poplar will consist of prayers, devotionals, and a short address.

EIGENSCHENK TO APPEAR HERE IN ORGAN CONCERT

Arranged in Response to Requests for Reappearance; Organists Meet Today.

In connection with the annual meeting of the North Carolina chapter of the American Guild of Organists, which takes place in Chapel Hill today, will be an organ concert in Hill hall by Edward Eigenschenk, celebrated concert organist of Chicago. Eigenschenk is well-known here and will be remembered as the man who opened the organ in Hill hall at the dedication of the music building last year, and it was in response to many requests for his reappearance that he was secured for this concert.

Business Meeting

The organist's association will have its business meeting Friday afternoon, which meeting will be presided over by Professor Nelson O. Kennedy, of the University music school, who is dean of this chapter. After this meeting will be a student's organ contest, open to all students of organ in North Carolina who are under twenty-five years of age. The contestants will use the organ in the Epis-

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STUDENTS WILL PRESENT SPRING GROUP OF PLAYS

Ten Out of Fourteen Plays Written By Class Will Be Chosen for Formal Production.

Students, in the course in play production under Samuel Selden, will present their spring studio productions on the evenings of May 12, 13, and 14, in the Playmakers theatre.

There are fourteen plays in all, out of which will be chosen ten for the formal presentations. Forty-seven parts have been filled by students other than those taking the course.

The purpose of these productions is primarily to give those studying play production a chance to produce a play entirely by their own efforts. Each member of the class is responsible for choosing a play, and a cast, and then directing the production in addition to attending to the technical details involved in the enterprise.

Four original plays which have been written by students will be included in the studio productions. The plays and

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SAVILLE SPEAKS IN ASSEMBLY ON WATER PROBLEM

Professor Considers Water Resources as State's Greatest Conservation Question.

According to Thorndike Saville of the school of engineering, the greatest conservation problem facing North Carolina is "the allocation and use of the varied water resources in the state." Saville, speaking yesterday in assembly, mentioned the more important forms of our water wealth and discussed problems which must be solved before it will be possible to use this natural wealth to the greatest economic advantage.

Rivers Contribute

Saville stated that rivers of the state contributed water power, but that spring floods and summer draughts made it impossible to be assured of a steady source of hydro-electric power. Many plans to regulate the seasonal flow of rivers have been tried, not least of which is the project being successfully carried out on the Saluda river in South Carolina. An artificial basin drains off excess water in time of flood and turns it again into the river system in time of draught. In this way, a continual flow of water insures a constant supply of electricity. Many of the power plants in this state are closed a part of the year because of low water.

Lake Basins

Lake basins constitute another source of wealth. In the eastern part of the state lakes

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COMPLETE PLANS FOR JUNIOR PROM AND SENIOR BALL

Former University Orchestra to Play For Upper Class Festivities May 13 and 14.

Final arrangements for the annual Junior Prom and Senior Ball have been completed with the awarding of contracts for music and the decorating of the Tin Can, annually the scene of the more important social events of the spring quarter.

Tal Henry and his Carolinians, former University orchestra leader, has been awarded the contract to furnish music for the occasion after negotiations with Hal Kemp, Husk O'Hare, Isham Jones, Henry Busse, and other internationally known orchestras were dropped in favor of the former Tar Heel.

The contract for the decoration of the Tin Can was awarded to John Idol. The expense of the decorations will be borne jointly by the junior and senior classes. The Balfour Company will supply the programs for the dance.

Henry's orchestra was or-

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DEMAND IS THEME OF ECONOMIST IN SEMINAR LECTURE

Ferger Suggests Harmonic Mean Of Price Relatives as Index To Retail Prices.

Dr. Wirth F. Ferger, of the department of economics and commerce, spoke to the economics seminar, Wednesday evening on "The Determination of Elasticities of Demand and their use in Economics."

He stated that one of the newer developments in the application of statistical methods to the solution of the economic theory, as well as for applied economics, is the measurement of the elasticity of the demand for individual commodities, which is the relative degree to which a change in price affects the quantities that the consumer purchases.

Dr. Ferger discussed the longheld theory that the demand for necessities without satisfactory substitutes is quite inelastic, which also applies to articles of customary consumption as well as several other classes of commodities. "But statistical measurements have corrected some of the details of the theory," he said, "and has shown the necessity of broadening the concept of demand."

"The purchases of speculators and dealers will react, for instance, more to expected price changes than to present prices. Many intricate problems arise in statistically estimating demand curves and elasticities, one of the most fundamental being

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Pharmacy School Dance Will Take Place Tonight

An important social event of the weekend will be the Pharmacy banquet to be held tonight at 7:30 o'clock in the banquet hall of the Carolina Inn, followed by an informal dance in the ballroom at 9:00 p. m.

The banquet and dance are held annually for the Pharmacy students and faculty. Billy Stringfellow and his orchestra will furnish the music for the dance.

CAMPUS LEADERS LEAVE TODAY TO ATTEND MEETING

Six Delegates Attend Third Annual Congress of Student Federation in Greensboro.

Six students of the University are to leave for Greensboro today where the third annual congress of the North Carolina student federation will take place today and tomorrow. Delegates, numbering sixty, and representing thirty-three institutions of the state will attend the meeting.

Haywood Weeks, president of the student body; Mayne Albright, former president of the student body; E. C. Daniel, vice-president of the student body; Jack Dungan; and Mary Frances Parker, president of the Woman's Association are the local delegates while Charles G. Rose, Jr., vice-president of the Federation, will also attend.

Closer relations between the higher educational institutions of the state have been advanced as the chief aim of the organization. The federation has received the commendation of many state educational leaders as an instrument of service to every college and university in North Carolina.

STATE ACADEMY OF SCIENCE WILL CONVENE TODAY

Academy Will Meet With Chemical Society at Wake Forest Today and Tomorrow.

The thirty-first annual meeting of the North Carolina Academy of Science and the spring meeting of the American Chemical Society will meet at Wake Forest College today and tomorrow.

Several general meetings will form the greater part of today's activities including the election of officers this afternoon and a supper and general session this evening. Saturday, the general section, the chemistry section, the mathematics section, and the physics section will hold separate meetings.

Representatives from Carolina, Duke, State, Wake Forest, N. C. C., Catawba, the Appalachian experimental station, the Beaufort laboratory, Campbell College, the North Carolina Bureau of Fisheries, Greensboro College, and the Bureau of Mines will present papers or exhibits at the meeting.

University Delegates

The representatives of the University will include Gerald R. McCarthy, who will present a paper on "The Movement of Beach Sands"; Dr. Collier Cobb, on "Today's World-Wide Search for Economic Geologic Deposits"; and "Eolian Soils of Our Coastal Plain" as well as an exhibit of two old French maps of Florida; Otto Stuhlman, Jr., on "The Mechanics of Effervescence"; H. V. Wilson, on "An Interpretation of a Case of Embryonic Variation"; A. C. Matthews, on "Cytological Observation on Zoospore Formation in *Leptolegnia caudata* de Bary"; Martha

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Emergency Loan Drive Continues Successfully Despite Depression

Although Afforded Little Publicity Contributions Flow in Regularly, Swelling Total to \$55,238.65; Alumni Lend Assistance to Needy Students.

Although little publicity has been afforded the Student Loan Fund Drive for some time, contributions have continued to come in regularly. The money is being loaned out as fast it is received, so that much work still remains to be performed before the goal of the drive is attained. Over \$25,000 has been loaned to more than 500 students since March 1. The latest contribution to the fund is a donation of \$222 from the Charlotte alumni.

The total received by April 1 was \$19,435.40. Since that date the \$25,000 donation by Mrs. Jesse Kenan Wise, an anonymous gift of \$10,000, and miscellaneous contributions of \$803.25 have swelled the total to \$55,238.65. The goal is \$100,000 for this school year and a like sum for next year.

Alumni Aid Drive

The alumni are hard at work to attain this goal. The medical unit has appointed a committee which sent letters to all medical alumni urging them to lend their aid. President Graham has been making numerous speeches to alumni groups in various cities, and the results are apparent in the progress that is being made in the drive.

If the drive is successful, it means that a large number of

students will be enabled to continue their studies at the University who would otherwise have to drop out of school. An idea of the number of students who will be affected by the success or failure of the drive is shown by the fact that 555 boys have been aided by the student loan fund since March 1. More than \$25,000 has been loaned to students since that date. All applications for loans have been taken care of up to the present, but there is no surplus, as the money is loaned out to students as fast as contributors send it in.

Many Fail to Return

There is no way of knowing how many students failed to return to school this quarter on account of lack of funds. Quite a few, probably, knowing the scarcity of money in the loan fund and the uncertainty of being able to borrow any during the quarter, dropped out after the winter quarter and applied for jobs. Thus, although all applications for money have been filled so far, the drive must continue so that students will be assured that when they return to school next fall they will be able to borrow enough money from the student loan fund to enable them to continue their studies.

SPECIAL ARTICLES

Appearing in the Sunday Issue of

The Daily Tar Heel

SUNDAY, MAY 7, 1932

will be

The Life of an Oxford Student

The Visit of President Polk to the University

And other articles of campus and state-wide interest.

University Maintains Service Plants For Students' And Townspeople's Use

Duke Power Aids Light System at Night While One Million Gallons of Water Is Furnished Daily by Local Plant; Morgan's Creek Is Source of Supply.

For those necessities of life, light, heat, and water the University maintains a water and power plant of more than village or town proportions. The water plant is capable of furnishing the dormitories and recitation halls, as well as Chapel Hill, with one million gallons of water each day. Three boilers, with 380 horsepower and generators of 700 kilowatt capacity, are the nucleus of the heat and light systems.

Each year the power plant uses about 70,000 tons of coal which produces 2,700,000 kilowatt hours. This power in conjunction with approximately 750,000 hours purchased from the Duke power concern, furnishes the electricity used by the University. It is utilized in lighting the buildings of the University and Chapel Hill, in addition to pumping water for common usage.

Boilers Run by Coal

The boilers are run by coal from West Virginia deposits. It is fed into the boilers by an automatic screw which gathers it in from the pit into which it is dumped from the delivery cars.

At 12:00 each night the University power is cut off and the Duke power turns on. It is this change of current which ac-

counts for the inevitable blinking of the lights at midnight. Morgan's creek is the source of the University's water supply. At present the intake is engineered through means of an ordinary pit, but a dam is scheduled for completion by the fall quarter of the coming year. As has been frequently announced, this dam will facilitate and improve the University water power situation to a high degree of efficiency and economy.

Carefully Tested

Two centrifugal pumps, with a capacity of 35,000 gallons per hour, force the water from the creek bed up to the run. The water is then carefully tested by the total count and indicator tests. In the raw water coming from the creek there is a bacterial count of 200 per c.c. Each day from twenty-five to 200 pounds of alum, and between five and seventy-five pounds of lime are used for purposes of purification.

After this process approximately seventy-five per cent of the sediment is removed by means of filters and settling basins. Since filters must be cleaned at least once every fifty hours, a rate controller regulates the flow of the water. The filter method removes approximately

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