

CORNELL CHEMIST LECTURES HERE

Dr. Wilder D. Bancroft Talks Before Sigma Xi Group and Chemical Society.

Dr. Wilder D. Bancroft, famous chemist of Cornell University, delivered a lecture on "Colloidal Chemistry, and Its Bearing on Medicine" last night in Venable hall before the Sigma Xi and the North Carolina chapter of the American Chemical Society.

Dr. Bancroft's field is chemical investigation, and he has done research work in the subjects of light, alloys, irreversible reactions, electrochemistry, and the chemistry of colloids. He has won many laurels in the field of chemistry, the most outstanding being an honorary degree from Cambridge University. He also holds several honorary degrees from American universities. A member of the many notable scientific societies, including the National Academy, Philosophical Society, Societe Chimique de France, and the Electrochemical Society, Dr. Bancroft aided in founding the famous research laboratory at Cornell.

The North Carolina chapter of the American Chemical Society was guest of the Sigma Xi fraternity at dinner last night at which Dr. Otto Stuhlman, Jr., president of the local scientific group, delivered an address of welcome. Dr. J. M. Bell also made a short talk. Following the dinner the group assembled in Venable hall to hear Dr. Bancroft's lecture.

While at the University the famous chemist is the guest of Dr. F. K. Cameron, professor of chemistry.

GEOLOGISTS ARE ON LEAVE WITH RESEARCH WORK

Professors MacCarthy, Schwartz And Prouty Working on New Geological Principles.

Several professors of the geology department are engaged in important research work at the present time. Many of them have published papers in scientific magazines, and others have had papers accepted which have not yet been published.

Dr. McCarthy is trying to discover the source of the sands along the Atlantic coast. His latest report was published in the Daily Tar Heel a few days ago.

Dr. Schwartz is away on leave this year with the United States geo-physics laboratory in Kentucky and is testing methods of prospecting with certain geophysical instruments. He is particularly interested in those instruments that use the conductivity of electrical waves in determining the location of strata beneath the earth's surface. He is trying to prove that these instruments will be successful in locating oil fields and may be able even to determine the exact position of the oil by the conductivity of the oil. He will probably be gone until next year.

Dr. Prouty was away on leave last quarter and was engaged in work on the structure of triassic basins, especially those basins found in Connecticut and Massachusetts. The triassic basins are found between here and Durham and between here and Ra-

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Red Cross To Offer Special Program

Instead of the regular Guild Sunday afternoon program on Sunday, February 8, there will be a continuous program of another feature from one-thirty to five and from eight-fifteen to eleven o'clock. The Guild is stepping aside this date in support of the Red Cross, and to assist the organization in its drive for additional funds. Members of the Guild hoped to contribute their funds from the picture of that date, but as yet the membership is not strong enough, and the latter plan was adopted as best.

The weekly Sunday feature program of the Movie Guild will be resumed on the following week, Sunday, February 15.

KOCH TALKS TO SOPHOMORES AT CHAPEL MEETING

Says Theatre Is Excellent Means of Self-Expression and Outlet for Natural Talent.

Professor Frederick H. Koch in sophomore chapel yesterday emphasized the value of dramatic training to young college men. He observed that the opportunity for self-expression and for practice in amateur theatricals offered by the University of North Carolina in the form of the famous Carolina Playmakers was one of the best in the country. He traced the development of this group and the steady improvement in the quality of Playmaker productions during the past ten years. Originally the try-outs, together with the actual productions, were held on the small stage in Gerard Hall. Koch related how a curtain was hung across the balconies to serve as the front part of the stage and, because there were no rear entrances or dressing-rooms, the players were obliged to don their costumes in the Y building and make their way onto the stage by climbing through a window. Since that time remarkable improvements have taken place, as evidenced by the Playmakers' building and by the improved character of their productions.

"The theatre," said Koch, "is not only an excellent medium of expressing one's feelings and thoughts but is an outlet for natural talent." He defended the modern talking picture as being the best opportunity for the average person to find recreation and relaxation outside of the legitimate stage itself. "By the stage one learns to know himself by seeing how others live and act," he said.

Many former university students who have gained success and renown were mentioned by Koch. He told of one of these, Paul Green, winner of the Pulitzer prize for the year's most outstanding play several years ago. Green received much of his early training by work on the Playmakers when a student here. He told of several other outstanding young playwrights who were formerly with the Playmakers.

A special course in drama has been arranged for the spring quarter, Koch announced. This is in addition to the courses in English drama, playwriting, production, and make-up now given. These courses offer special inducements to students either contemplating the stage as a profession or to those interested merely in the cultural aspect.

GRADES IMPROVE IN WINTER TERM STATISTICS SHOW

Registrar's Report Shows Twenty-five Fraternities Above Academic Average for Last Year.

From the annual report of the registrar's office on the grades of the several fraternities on this campus for the year 1929-30, the Pi Beta Phi sorority takes first place in the list with an average for the entire year of 2.74. The Zeta Psi fraternity runs the girls a close second with a year's average of 2.75, while the Sigma Deltas come in third with 2.82.

The total fraternity average for the fall quarter '29 was listed at 3.32, while the winter and spring averages showed up better with each having 3.24. The average for the entire year was 3.27 for all of the fraternities.

The academic averages for the entire campus ran somewhat higher than that of the fraternities with a yearly average of 3.34. It was apparent that better marks are made in the last two quarters in the year than in the first. The campus average for the fall quarter '29 was 3.48, while the winter quarter's average dropped to 3.33, and the spring average down to 3.25. Thus showing a steady increase in good grades as the year progresses.

Eighteen of the fraternities came out for the entire year with an average above that of the total of all the fraternities, while nineteen of the orders dropped below the fraternity average.

Of the total thirty-seven fraternities listed in the report, twelve of this number fell even below the average of the entire campus. Both of the girls' fraternities came out at the top among the first four, with the Pi Beta Phi's coming out in the lead and the Chi Omega's taking fourth place.

The following is the final list of the fraternities for last year. The grades of the professional students are taken into consideration in the final tally. The list is: Pi Beta Phi, 2.74; Zeta Psi, 2.75; Sigma Delta, 2.82; Chi Omega, 2.86; Acacia, 2.96; Beta Theta Pi, 2.97; Pi Kappa Phi, 3.02; T. E. P., 3.05; Kappa Sigma, 3.09; Phi Kappa Sigma, 3.11; Phi Kappa Delta, 3.12; Delta Sigma Phi, 3.15; S. A. E., 3.16; Chi Psi, 3.16; Chi Phi, 3.19; Sigma Nu, 3.20; Z. B. T., 3.21; Phi Gamma Delta, 3.22; fraternity average, 3.27; Phi Sigma Kappa, 3.28; Sigma Phi Epsilon, 3.31; D. K. E., 3.32; Delta Tau Delta, 3.32; A. T. O., 3.34; Pi Kappa Alpha, 3.34; academic average, 3.34; Theta Kappa Nu, 3.35; Alpha Lambda Tau, 3.38; Theta Phi, 3.41; Sigma Epsilon, 3.42; Kappa Alpha, 3.43; Lambda Chi Alpha, 3.47; Sigma Chi, 3.48; Phi Delta Theta, 3.48; Delta Psi, 3.49; Sigma Zeta, 3.54; Sigma Phi Sigma, 3.55; Theta Chi, 3.61; and the Phi Alpha, 3.67.

Infirmary List

The infirmary now has the traditional thirteen men sick. They are Jesse B. Mass, S. C. Cabbage, Richard Hunshaker, Clarence Lamb, Aaron Barr, Charlie Loftin, Newbern Piland, J. T. Peauk, Kathleen Fennell, Fremont Shephard, C. E. Wilder, P. C. Willard, and W. W. Lucas.

GRADUATE SCHOOL OFFERS POSITIONS IN TEACHING LINE

Twenty-Six Fellowships Are Available for Part Time Instruction Students.

The deans of the graduate schools of the two North Carolina universities, Duke and Carolina have issued bulletins concerning the various fellowships, scholarships, and assistantships in their schools. Duke offers twenty-eight definite fellowships and twenty scholarships as well as a number of appointments as teaching assistants and readers. The University of North Carolina offers twenty-nine definite fellowships, fifteen scholarships, from eight to twelve research assistantships, and a number of places as teaching assistant.

The twenty-six teaching fellowships at the University are open only to men, each fellow being expected to give a part of his time to instruction. These fellowships carry with them free tuition and a stipend of \$500.

A limited number of appointments are made as teaching assistants, the holders to give half their time to teaching. These give free tuition and a stipend of \$500 to \$800.

The fifteen University scholarships are open to men and women and give free tuition. The Ledoux fellowship in Chemistry, which is open also to men and women, has a stipend of \$300 in addition to free tuition. There are two Graham Kenan fellowships in Philosophy paying \$700 and free tuition.

From eight to twelve appointments are available in the Institute for Research in Social Science for which one year of approved graduate work is prerequisite and the holders of which have to give their full time to investigation of problems in social research. The annual stipend for these will not exceed \$1500.

Duke University offers the Angier Duke Memorial Fellowship of \$1000, two University fellowships of \$800, seven of \$750, and eighteen of \$650 each. These fellows will be required to give assistance in reading papers, in laboratories, or in other duties. Fellowships are sometimes divided between two applicants.

Twenty scholarships paying \$350 each are also open to graduate students, the scholars to give a limited amount of assistance in departmental work. In addition to these fellowships and scholarships, a number of appointments as teaching assistants and readers will be available, carrying a compensation ranging from \$350 to \$800. Those receiving \$500 or more will not be able to carry a full program of graduate studies.

All holders of these fellowships and scholarships at Duke and all graduate assistants carrying a full program of work will be expected to pay the same tuition, matriculation, and minor fees as other graduate students. The tuition fee of graduate assistants not carrying the full program of work will be adjusted with regard to the studies followed.

Staff Notice

There will be an important meeting of the editorial board of the Tar Heel Sunday afternoon at five-thirty in the offices.

Physics Colloquium Convenes At Duke

Graduate students and professors of Physics of the University, State, and Duke met Thursday afternoon at five o'clock in the new physics laboratory of Duke University, for the regular monthly meeting of the Physics Colloquium.

The principle paper of the evening was delivered by Dr. Otto Stuhlman, Jr., of the University physics department, the subject being "Electrodeless Discharges in Helium." Dr. Stuhlman discussed the work done by Henry H. zurBurg, teaching fellow in the department of physics.

The Colloquium is composed of graduate students and faculty members of the institutions mentioned.

M'CORKLES WILL RENDER MUSICAL RECITAL SUNDAY

Violin and Piano Compositions By Famous Composers To Be Played.

Mr. and Mrs. T. S. McCorkle will give a violin and piano recital Sunday afternoon at 4:45 in the new music hall. They will play a Sonata by Grieg, a Concerto by Vieuxtemps, and three smaller pieces; "La Gitana," by Kreisler; "Humoreske," by Tor Aulin, and "Le Coucou," by Daquin.

Grieg was a Norwegian composer, and is one of the moderns. He died in 1907, and seems to have established a permanent place for himself in musical literature. The product of a broad education, Grieg became imbued with the idea of propagating the idiom of Norwegian folk music as a basis for formal composition. Accordingly he devoted his life to this, and in the opinion of many critics he limited the scope of what he might have accomplished by so doing. Be this as it may, by the very fact of its folk-like themes Grieg's music becomes attractive to layman and musician alike. This Sonata, Op. 45, on the Sunday program, shows unmistakably this chief characteristic.

Vieuxtemps was a violinist of outstanding ability in the middle 19th century. As a composer for that instrument he has come to be regarded as an authority. His works are very sympathetic to the style and possibilities of the violin, at the same time being quite exacting in their requirements. This Concerto, the D minor, is one of the popular numbers of this type on violin concert programs.

Kreisler is too well known as a violinist and composer to need explanation. He too turns largely to folk themes for his material. La Gitana is based upon a Spanish-Gypsy folk tune of the seventeenth century. Tor Aulin is a Swedish composer, not so well known but apparently very capable. The Humoreske included on this program is only a small piece, but extremely clever. Almost every one knows "Le Coucou" by Daquin. It is a bit of modernism in that it is realistic. But in form it is old, being built as a Rondo, one of the earliest instrumental forms. Michael Press has made the violin transcription that is used on this program.

Mr. and Mrs. McCorkle have done a great deal of concert work for the past ten years, especially in the middle West and

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GRAHAM'S SPEECH RECEIVES PRAISE

University President Silences Harriers as He Appeals for Needs of Institution.

President Frank Graham, who for the past three weeks has been confined to his bed with a severe attack of influenza, "made the greatest impression of any man who has appeared before any appropriations committee in this generation," stated the state papers yesterday.

The articles in the several papers said that a large number of the members of the committee who had been in favor of the proposed cut had boasted before the meeting how they were planning to harrass the little president when he got up to make his appeal. Yet after President Graham had completed his talk, in which he pictured the decline which the University has been going through and what a still larger retrogression the reduction in appropriations would cause, not one of the boosters opened his mouth when the chairman of the committee asked for questions. Instead, as the University head took his seat, the committee burst into applause, and many of the schemers came up and expressed their feelings in regard to the speech. Representative Garibaldi, of Charlotte, who had planned to be one of the chief harriers, came up to the president after the talk and said, "Mr. Graham, I want to tell you that you have done us a great deal of good."

When referring to the recommendations of the budget commission, the University president stated that the figures constituted a program of destruction without parallel in the 60

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NEXT PLAYMAKER PRODUCTION SET FOR WEDNESDAY

"East Lynn," by Lynn Riggs, Is Satire on Modern Psychological Play.

The next production by the Carolina Playmakers is to be *East Lynn*, a play by Lynn Riggs. Wednesday night, February 4, is the date for the performance.

The play will be given as a satire on the modern psychological play. The entire action will take place in front of a cage with masks representing forces of fate influencing the characters. With the death of Lady Isabel, the tragic problem is finally finished. The lights fade out and the two mask faces are last things seen. The entire cast follows:

Sir Francis Levinson, Everett M. Jess; Archibald Carlyle, Mr. Blissell; Lord Mt. Severn, Horace G. Ward; Justice Hare, E. R. Oettinger, Jr.; Richard Hare, E. V. Deans, Jr.; Mr. Dill, John O. Zimmerman; Officer, Robert L. Ringley; Little Willie, Mr. D. D. Carroll; Isabel, Bess Jones Winburn; Barbara Hare, Jo Norwood; Miss Carlyle, Alice E. Walker; Joyce, Hazel Bowers; and Wilson, Miss Reed.

Knight's Address

The address of E. W. Knight, who is on leave from the School of Education, and Mrs. Knight, for the next few months, will be 23 Blackstone Apartments, Rue Lafayette, Shanghai, China.