

THE TAR HEEL.

Vol. 12.

UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N. C., THURSDAY, NOVEMBER 26, 1903.

No. 10.

OFFICIAL ORGAN OF THE UNIVERSITY OF NORTH CAROLINA ATHLETIC ASSOCIATION.

DR. BASKERVILLE'S LECTURE

Report of the Lecture Delivered Before the Academy of Science in Chapel Hill.

In the lecture on "Fluorescence, Phosphorescence: Action of Ultra-Violet Light, Roentgen Rays and Radium Preparations Upon Minerals and Gems," which Dr. Baskerville delivered before the North Carolina Academy of Science, in Gerrard Hall on November 13th, a historical resumé of phosphorescence of various materials, minerals and decaying vegetation and products of chemical change in dead and living matter was given, illustrated by experiments.

During the past summer Dr. Baskerville carried out extensive investigations on the Morgan-Tiffany gem and Bement-Morgan mineral collections in the American Museum of Natural History in New York. This work was done with Dr. Geo. F. Kunz, the gem expert of Messrs. Tiffany and Co., of New York. These valuable collections contained some four or five thousand cut precious stones and some 18,000 authenticated minerals. About 13,000 of the latter were examined as to their conduct under the influence of ultra-violet light and many new interesting observations recorded which promise conclusions of considerable scientific interest. In addition to the above, some 15,000 diamonds and other precious stones belonging to Messrs. Tiffany and Co. were examined. During the course of the investigations a new gem material, called by Dr. Baskerville, Kunzite, after his co-laborer, was discovered.

The characteristic conduct of the different minerals was exhibited during the course of the lecture.

A number of pictures of mounted gems were thrown upon the screen from which the influences of the Roentgen rays upon gem material could be seen.

Finally, the effect of radium preparations upon gems and gem material was spoken of and demonstrated. The strongest radium preparations that have yet been had in this country were used in the experiments. Several of these preparations were passed around in the audience for their inspection. A remarkable experiment demonstrating the intense penetrative effect of radium preparations was mentioned. It had been shown that these emanations would pass through consecutively glass, rubber, silver, copper, (4 sheets), and water and cause diamonds, and kunzite to fluoresce or glow in the dark.

Slides were thrown upon the screen to demonstrate the complexity of the rays given off from radium preparations. Attention was called to the possible explanation of the tails of comets and solar radiations and those things given off from the newly discovered element radium.

Sir William Crookes' spinthariscopes was exhibited and the effect of

mixing certain pulverized minerals with radium preparations of lower activity was shown. They glowed with exquisite beauty in the dark.

In closing, reference was made to the success that had attended efforts to locate fractures, misgrowths, etc., in the bony processes by means of Roentgen rays and to the possibility of locating ruptures, growths and peculiarities of the veins, etc., by means of bodies which phosphoresce under the influence of ultra-violet light, or radium preparations.

At the close of the lecture many students and visitors remained for a closer observation of some of the extremely interesting and remarkable experiments given.

"A Strong Man."

Probably the most profitable address the University has been favored with for a long time was that by Mr. Fred B. Smith, on last Tuesday night. Mr. Smith is in the Y. M. C. A. work and is known as one of the most effective speakers to men in the United States. His subject was, "A Strong Man;" and he perfectly exemplified it in his person, being a physical giant and showing himself a man of exceptional mental qualities. He said in part:

"When we hear of a strong man our first thought is of a powerful physique. This is surely a requisite; every one should develop and preserve his body. But mere brute force is the lowest thing, and is not the true test of the strong man.

"The same is true of the wealthy and the intellectual man. It is the duty of every man to get wealth and education. But even these are not the final tests of the man.

"The real strong man is that man who stands up in the strength of Christian manhood and lives the noble life. That is the man whom the world admires and who is the world's leader. It is character that is the final test of the strong man, and it is this that the young man should try to attain."

In this plain talk the speaker had reached every man in his audience. The effect on them was plainly shown in the expressions which they made. His simplicity, his sympathy, his earnestness have added a new note to our religious life. The effects of such an address cannot be short lived.

Standing of Southern Teams.

	Scores	Opponents	Games
Cumberland	228	6	5
Vanderbilt	182	11	7
Sewanee	150	0	6
Clemson	132	11	4
Tech.	106	121	6
Georgia	43	85	6
Auburn	78	70	5
Alabama	30	122	6
North Carolina	61	72	6
Kentucky	84	11	4
South Carolina	216	35	8
Mississippi	23	39	3
L. S. U.	5	41	4
Texas	55	5	3
Nashville	28	34	4

"The Hymns of the Ages."

Dr. Thomas Hume Lectures to an Attentive Audience in Gerrard Hall Thursday Evening.

The latest of the series of faculty lectures was that given by Dr. Hume in Gerrard Hall last Thursday evening on "The Hymns of the Ages." A good-sized audience was present and listened attentively to Dr. Hume's presentment.

Dr. Hume said in substance:

"The Hymns of the Ages represent critical momenta in the development of religious thought, and are often great doctrines molten into feeling. Many a popular ballad must have sprung from the storm-tossed Israel which has died away on the sands of time. But the antiphonies of Moses and Miriam and of Deborah's ode reveal the great heart of the chosen people. If our survey embraced the Psalms only we could enumerate high festal and battle anthems, exiles' longings and *miseres*, nightingale notes, many strains writ in star-fire and immortal tears. But we could not neglect the mysterious chant of half-inspired Balaam or Messianic rhapsodies in Isaiah. [The classification was so elaborate that this report will not attempt it or the striking review of the formative and inspiring influence of the Biblical lyrics on much of the noblest literature. How much poetry there is in the New Testament had not impressed us so distinctly.] Outside the canon of Scripture the forms and life of early hymns were suggested by the parallelism and concrete imagery of the Bible. The *Te Deum* and the *Gloria* are examples. From the processional hymns of through Ambrosian and Gregorian chants the lecture bore as in its sweep through Bernard of Clairvaux's passion hymns which have so impressed Moravian, Wesleyan and other praises of Christ. Of especial interest was the appearance of symbolism and quaint conceits ever recurring even beyond George Herbert's fantastic melodies. We were led to note luscious and pathetic grace of the *Stabat Mater*, the thunder-tones of the *Dies Irae*, the haunting cadency and trills of *Jerusalem the Golden*, the mystic fervor and evangelical simplicity of the German songs. How far art may help sentiment and true religion, what effect the Latin hymns had on the development of English rhythms and rime-schemes, how we may test the popular hymns, some estimate of the weird African chants, were amongst the subjects methodically and instructively discussed. Recitations helped us to feel that certain hymns are great poems and while we were still under their charm the lecturer made his effective close in a summary that proved the essential unity of thought and life in the invisible church of the ages as expressed in our great hymnals.

Dr. Baskerville went to Greensboro Monday.

Dr. Smith Just Like Folks.

The comment man is proud to acknowledge publicly that he has a great fondness for Dr. C. Alphonso Smith, Professor of English at the State University, who made an address at Davidson College the other day. Dr. Smith is one professor who is very much like folks. There may be other professors like this, but they are generally at the bottom of the barrel. Dr. Smith is quite on to his job and can discourse in the genuine Chaucer—the bloom-in' chancleer part and all—but he is not foolish about it. He has a quality of horse sense that is priceless, and he picks the banjo. No piano, or guitar, or violin, but a banjo that gives out old fashioned negro melodies and allows an unctious, unmeaning carol of the cotton field. The fact is noted merely in passing. Dr. Smith has a reputation outside of North Carolina and he deserves it. He is a big man in his profession and he will grow bigger. All the ultraisms that there may be in his craft he has at his tongue's end; and yet it is good to think that he is an artist with the banjo—good to think that students are under the supervision of a man who, however learned he may be, has the heart to turn away from the dryness of book lore and knock a banjo silly. Yes, Dr. C. Alphonso Smith is nicely like folks.—I. E. Avery in *Charlotte Observer*.

The Schubert Quartet.

The Schubert String Quartette, of Boston, appeared in Gerrard Hall last Wednesday night for the benefit of the Musical Club. The crowd out was very small and as a result the latter organization came out badly behind. The Quartette was composed of Messrs. Walter E. Land, violin; H. Faxon Grav r, violin; Edward J. Schiller, viola; and Frederick Blair, violincello. These musicians are all artists and their renderings were first class. It is a matter of regret that our students do not appreciate good music more and it is hoped that the next time this company appears it may have a larger house.

There is, however, each year in our foot ball history one game which means as much if not more to Virginia than all the rest, and that is the Thanksgiving Day contest with our friends from Chapel Hill. They have, it is true, suffered a number of defeats at the hands of Virginia but they have on several occasions overthrown our calculations and turned the trick on us and have always proved foemen worthy of our steel.

We are not believers in overconfidence and while we look for victory at Richmond next week, yet we would see nothing left undone to make it certain. To this end, then, rooting is necessary. Good, hard, systematic Virginia rooting.—*College Topics*, Nov. 21st.