DR JONES LECTURES ON "A STUDY ON VIBRATIONS"

Redpath Lecturer is Making Tour of Country to Emphasize Importance of Research

"A Study of Vibrations" was the sub-"A Study of Vibrations" was the sub-set of a scientific feeture given by Dr. filton fra Jones, Head of the Depart-zet of Chemistry of the Oklahoma State College as the third number of the Y. M. C. A, combined musical and the Y. M. C. A. combined musical and distributions of the Scriptures. He especially spoke in the Auditorium but Saturday evening. While Dr. Jones is Saturday evening. While Dr. Jones is Saturday evening. While Dr. Jones is saturday evening illustrations to imparte some of the fundamental laws below the which the whole is saturday and distort a Bible verse, so as to set forth some ideas of his own. number of entertaining illustrations to mastrate some of the fundamental laws by which the physical world is governed, he nevertheless emphasized the point that his work on the lecture platform was to bring the people of the United States into a clearer realization of the importance of research work, rather than to entertain them by a posteroire of tricks.

rather than to entertain them by a rejectoire of tricks.

The speaker opened his lecture with an explanation of the subject which he intended to cover in his talk and explained a graph of vibrations, which was painted on the front of his demon ras painted on the front of his demon-stration table. Then, starting with the splect of sound vibrations, Dr. Jones led his audience through light waves, fectic and wireless discharges, and electric and wireless discharges, and finally to a proof of the assertion that eren a mental exercise, such as thought, yonly a matter of vibrations whose frequency is governed by the same physical laws as those of the other ex-

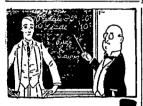
amples.

In connection with the early part of his lecture the speaker suggested a number of ways in which the present owledge of scientific research could and probably will, be expanded in the ion to have trains and machinery oper by thought waves sometime in the future, or be able to realize the freems of the medieval alchemists of producing the rarer metals from lead. aluminum or copper.

Dr. Jones is traveling under the management of the Redpath Agency for the purpose of showing the people of the United States the importance of scienworld. In closing, he summed up his lecture by showing that throughout the whole gamut of vibrations, there runs one and only one immutable law that governs everything, and that there is in our world, one force, through the manifestations of which are many for-ces and many laws brought into being.

AMBERST AND TUFTS ENTER

\$40 MEN IN DUAL TRACK MEET Some time ago Amherst defeated Tute in a track meet in which 170 men from each college competed, and which required two weeks to run off. The re-sults of the events at each college were compared by telephone. The meet was part of the regular gymnasium work and did not include any men of picked



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The FEATHER-WEIGHT-shown here-of lightweight aluminum 50c. Rolled Silver \$1.00.

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BISHOP HUGHES DELIVERS FORCEFUL CHAPEL SERMON

Chapel services on last Sunday were featured by Bishop Edwin H. Hughes, of Maiden, Mass., who spoke at both the morning and evening se

Bishou Hughes is a very interesting and forceful speaker, and had no trou-ble in holding the close interest of all present. He spoke on a man's personal attitude towards life, and on various

SCHEDULE BEING MADE

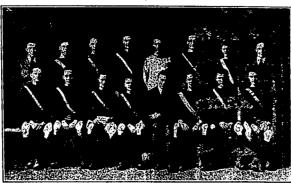
Managers and Referees Will Meet Thursday-Old Main and Two Year Ags to Have Teams

The winter schedule of the inter-unit basketball games will be decided on in the near future. All teams that have handed in their names at the Athletic office and are represented by managers whose names are filed with C. M. Ogorne '24, Athletic Manager of the Penn State Club, will be represented on this schedule. The schedule will be published in the COLLEGIAN and posted at the basket window in the

Besides the regular sectional units one team from Old Main, and teams representing the first and second year two year Agricultural students will be regarded as units. Old Main will be

220 1-2 S. Allen St.

Championship Contenders



PENN STATE'S VARSITY SOCCER SQUAD

working in conjuction with the Penn year. Seventy-three orders for these State Club has decided that one gym at-tendance a week will be required of all of nearly six hundred acres. The largtendance a week will be required of all of nearly six hundred acres. The largemen signed up on inter-unit teams. This is to require men to keep in condition for the many strenuous games that will take place this season. Any absences from this gym work will be regarded as regular gym cuts by the Physical Education Department. Arrangements for the gym period should be made with "Chief" Meyers.

other matters relative to the games which take place immediately after the Christmas vacation, will be taken up at

BACTERIOLOGISTS MAKE LEGUME INNOCULATIONS

classed as unit 24, first year ags, unit lation for various legume crops have 25, and second year ags, unit 26.

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STATE COLLEGE BAKERY

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Seal Jewelry

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Stationery

Are appropriate

Xmas Gifts

The Athletic Store

.

Forty-eight orders for alfalfa cul-tures sufficient for three hundred eighty-seven acres is the largest single closely contested on last Saturday after-An important meeting of all intergroup. Soy beans, sweet clover, red unit managers and men desiring to act clover, peas, white clover, vetch, alske the scorekeeper's tally counted up to as referees will be held in Mr. Meyers' and hubarn follow in order of populate six for the sophs and three for the office on this Tuesday evening at seven ty. Requests for cultures should be colock. All progress and information placed early as the demand is already relative to schedules, playing floors, and large.

"Prexy" Says:

vassers—no one is quitting.

ANNUAL SENIOR DANCE DECLARED SUCCESS

The senior dance, held last Friday evening in the Armory, was a pro-nounced success. There were about one hundred and eighty couples on the floor dancing to the splendid music provided by the "Ten Virginians."

The hall was decorated with various olored streamers and lanterns greens added a finished and artistic touch to the scene. The floor was in the condition for this, the first formal

The "Ten Virginians", who played here last year and won the approval of students of Penn State, upheld their reputation of being the best dance orestra ever heard at State College During the entire evening they provided, not only wonderful dance music, but amusing entertainment through their various antics.

SOPHS DEFEAT FROSH IN LACROSSE SCRAP

ack of Experience Reflects on Playing of Yearling Team-Numerals to be Awarded

The sophomores succeeded in decisively

arily from lack of experience, and could not withstand the more even teamwork was an important one, in that all men playing the whole game will be awarded their class numerals.

Get Your

CHRISTMAS GROCERIES

AT

HOY & NEIDIGH'S

The first half of the contest was reactically all played in freshman territory, the sophomore goal rarely being n danger. The sophomore team exhibited fair teamwork, but many time

men at the game, they did very well, indeed, under the veaching of M. H. Gatchell '23. The sophomores were un-der the care of "Hap" Coulter '23. Cap-tain Flohr and Clouser did the best work for the sophs, though no one mar

Made desperate by their ill success, pression, so it very important that one numbers of the Louisiana State University football team have planned to re-curately.

frain from shaving until they win a suit our Sight Specialist. They are determined to make suit our Sight Specialist. Or, E

BACK GRAIN FOR SHOW

The School of Agriculture desires to throughout the game it worked the ball remind its students of the grain show down the field through a series of beautiful passes only to lose it at the goal mas vacation; and that all who can which was always zealously guarded, should bring speciment for competition. The half ended 3 - 0 in favor of the from their house fartas. New Jersey is sophs.

At the beginning of the second period, along lines similar to the grain show the freshman team started play with a vim and managed to cage three goals during the period which ended with a fine onnection with the international fluctstock show at Chicago. The hope of Penn State is to expand her show so almat score of 6-3.

Considering the newness of the freshman control of the contr

You Cannot Think of Two Things at the Same Time Your think-box is large enough to re-cord enough thoughts which if placed stood out preeminently on the yearling team.

On Victor records we dat reach atoms to world. The faculty of the human minds by which it comprehends the ideas communicated to it by the five senses is limited by the impressions MUST WIN BEFORE SHAVING made. Seeing makes the deepest im-

If in Doubt about Your Vision Con-

Dr. Eva B. Roan

WHITMAN'S

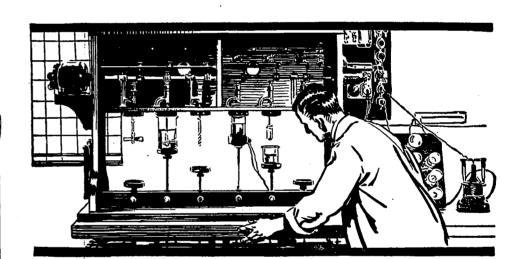
State Seal Chocolates

We have a fresh supply of State Seal packages in one, two, three and five pound packages.

Place your order early.

RAY D. GILLILAND

Druggist



Blazing Trails for Progress

Curiosity may have killed the well-known cat, but it has been underneath most of the hard-won developments that lastingly benefit mankind. Once in a great while, perhaps, accident has been the spark that has lighted the torch of achievement; but much more frequently - always, nearly - accomplishment, especially in the field of science and invention, has grown out of the insatiable curiosity that seems to be the heritage of us all. Mankind wants to know - and is slowly finding out. knows no appeasement.

This is, however, no essay on the vague subbetween that and the organized, untiring, wellgent speculation sets up. This, if you please, is curiosity in its highest and most intensified form; and it is a fundamental thing in the Westinghouse operations.

upon the purely creative activities of business. Constantly it brings to light new aspects of known laws, new visions of laws yet to be uncovered. But the search for these is not haphazard nor whimsical; it is organized and planned as carefully and thoroughly as any other business activity. Whether chemical, electrical, or physical, it is engineering; and it follows engineering methods and tradition.

Many great engineers have been wholly at a specialized activity. For research in a sense, reverses the usual order. Its endeavor is to discover unknown laws in the known facts-a thing which is quite at variance with ordinary engineering practice. Yet there is a fine type of engineering mind which finds its great opportunity in this kind of work. And to that type of mind, and that type of man, research beckons with an unmistakable hand. It is engineering pioneering, it blazes trails for progress, to new triumphs, in a wilderness into whose outskirts man has scarcely penetrated.

On or about December 18, 1922, we expect to be located in our new and larger headquarters

439 W. College Ave.

J. J. MEYERS

Meat Market

Curiosity, the complement of imagination, ject of idle curiosity. There is a vast difference planned activity which, as an integral part of Westinghouse organization, searches continually for the answers to problems which intelli-

