

# Penn State Collegian

Published semi-weekly during the College year by students of the Pennsylvania State College, in the interest of Students, Faculty, Alumni, and Friends of the College

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FRIDAY, DECEMBER 5th, 1924

## THE CHAPEL QUESTION

About one year ago Penn State students were introduced to a man who came here confronted with the problem of directing the religious life of the student body—Dr. Fraser Metzger, College Chaplain, was given a big job. At that time there was much agitation about compulsory chapel, and many were the protests registered by the undergraduates.

It was argued at that time that attendance at chapel should not be compulsory, that the morning exercises conflicted with student working hours and that many of the "cuts" were unavoidably incurred. Compulsory chapel has since been established as a specific requirement at Penn State, and to that effect it is destined to be observed.

The latter issue, that of a more appropriate time for chapel exercises, is now causing some student dissent. When the matter was presented to Student Council it was deemed advisable by this body that, after student sentiment had been obtained on the matter, a conference would be held with Chaplain Metzger in an effort to determine the most plausible time to conduct chapel.

It is said that the undergraduates desire the chapel hour be changed from an eight o'clock session to one that would occur directly before the noon hour. Should the time for chapel be changed to a later hour, there would necessarily be entailed a complete revision of the class hours—a shifting of the time at least fifteen minutes ahead of the present schedule. This would also require that all students having first-hour classes start them at eight o'clock. Under these circumstances it is not believed that the idea will appeal to the majority of the students.

If chapel were changed to a later hour, there would still be some who would complain. Eight o'clock is not too early an hour to begin the day. The present schedule has been so arranged that the devotional exercises will occur before the days work is begun—the time that Jesus himself always gave to prayer and asked for strength and guidance. Can college students afford to set aside this opportunity to obtain spiritual strength?

## CLASS DUES

Long has the problem of the collection of class dues irked Penn State students. Under the present method of collection, it is practically impossible to create an efficient checking system that will assure payment by all members of the respective classes. With the settlement of class dues being left solely to individual action, it is readily seen wherein many fail to make due remittance to the class treasurers.

As has been suggested before, all class dues should be added to the College fees each semester and be considered a regular part of the total assessments. This would insure payment being received from every undergraduate. It is the only logical way out of a deplorable situation.

Class finances are levied and disbursed under the supervision of a joint committee of students and a representative faculty member. The argument that the College Administration may, under the new system, demand a more rigorous pursuit of the expenditure of class finances, with an attempt to effect further savings, is not thought to be sound. Even a closer scrutiny of the disbursement of class finances would undoubtedly bring forth much valuable information for both the College and the student financial boards as to what could be accomplished with the money.

With the expenditures for social functions being cut to the limit, some students have become slothful in paying their class dues for reason that they say they receive no material benefit in return. This, of course, is an erroneous idea. Class dues are not only necessary for the proper conduct of social activities, but are also needed for various class functions such as scrapes, Stunt Night activities, intercollegiate meets, Class Day exercises, janitor service, and in the case of the Class of 1925, class board.

The class finances at present are in a depleted state and it is time that action be taken to assure prompt and complete payment of class dues by every student.

## THE DEBATE

Resolved "That Congress should have power, by a two-thirds vote, to declare effective a Federal Law previously pronounced unconstitutional by the Supreme Court," is the subject on which the Washington and Jefferson and Penn State debating teams will argue in the Auditorium tonight.

It is the first debate of the season and Penn State wants to win. The Blue and White speakers will fight hard, they have been given much time to their arguments and they have been well-groomed by the coaching staff. Their success will be more fully assured if they are backed by a large-sized audience. Come out and support the team tonight.

## PROFESSOR DUTCHER MAKES EXPERIMENTS ON CURE OF RICKETS

### Research Shows Ultra Violet Ray To Be Real Weapon Against Disease of Bones

### EXTENSIVE TESTS HAVE BEEN MADE ON RODENTS

All research is pointing toward the ultra violet ray as the real cure for rickets and Professor R. A. Dutcher of the Department of Agricultural and Biological Chemistry is making extensive experiments along this line of work here at Penn State.

This disease causes a softening of the bones and is prevalent among growing children. It apparently attacks the bones so that deposition of Calcium and Phosphorus is suspended. It has been found that any vegetable which had been exposed to the ultra violet rays had the power to cure rickets and was as valuable as the expensive cod liver oil formerly used in the treatment of the disease. This fact was pointed by the University of Wisconsin to prevent the disease from being commercialized.

Animals on being exposed to the ultra violet rays absorb them and are cured also non-living food materials, such as meat, can be treated with the rays and on feeding it to the animals they will recover. It was noted that a dark rat was more susceptible to rickets than a white one, other conditions being the same. This coupled with the fact that the percentage of rickets was higher among the negroes than the whites led to the conclusion that the black pigment in the skin and hair excluded the curative ultra violet rays. It was further confirmed by using white rats one under a white and one under a black cloth the latter being more susceptible to the disease.

The ultra violet ray is produced artificially by the Quartz Mercury Lamp. Recent chemical research has shown that it is possible to make window panes of Quartz which is not so expensive though not so much that it can not be required for research and experiment. An example is the hospital which is in Boston where the windows are constructed of pure quartz. It is preferable to ordinary glass because it permits the rays to reach it of the ultra violet light which is so necessary in the treatment of rickets.

Children will be allowed to play here in the winter when it is impossible to expose the body to the rays of the sun. The treatment of human cases has been accomplished satisfactorily and it is possible to cure a rat upon seven or eight exposures to the rays of the lamp. Professor Dutcher is taking great pains to keep other rats from entering into the investigations by using carefully tested foods.

In discussing the disease Professor Dutcher stated that it was interesting to note that if irradiated rats were placed in the same pen with lathitis rats the lathitis rodents would recover, due to the presence of the rays which had absorbed ultra violet light. He further mentioned that if the diet is adequate, rickets does not develop in the dark and that even though the food consumed is inferior, the disease does not attack the rodent if there is plenty of direct sunlight available. The latter factors are mineral content of the rations, sunshine and exercise and possibly a yet unknown food factor known as the anti-rickets vitamin.

### MEETING OF SCIENTISTS ATTENDED BY BOTANISTS

Dr. F. D. Kern Heads List of Penn State Representatives at Academy of Science

Dr. F. D. Kern, Professor of Botany and Instructor W. A. Kuntz, all of the Botany Department represented Penn State at the first meeting of the Pennsylvania Academy of Science held in Harrisburg last Friday. This Academy was organized by a group of prominent scientists last spring.

A paper on "The Rusts of Pennsylvania" prepared by C. R. Otton, H. W. Thurston and F. D. Kern was presented by Dr. Kern. Another on "A New Tobacco Disease in Pennsylvania" was given by W. A. Kuntz, while C. M. Roberts spoke about the "Mosses of Center County."

The society has an enrollment of about two hundred and fifty scientists from all parts of the State and hopes to enlarge its membership soon. The object of the organization is to further the acquaintance of men doing scientific experimental and research investigations and to set before the members the result of such work.

The officers of the organization are Dr. O. E. Jennings of the Pittsburgh Carnegie Museum, president; Dr. C. E. McClung, University of Pennsylvania, vice-president; Dr. J. H. Hill of the State Department of Forestry, secretary; and Dr. Kern of Penn State treasurer.

### Gridiron Gossip

Penn State's gridiron will start practice next Monday for the Non-Div. conference.

Now is the time for all good sportsmen to come to the aid of their A. A. U. American selections.

West Virginia's new stadium which Penn State will dedicate next November, is set to close to 40,000 persons.

Watch out for a funny incident that happened at the Yankee Stadium in New York last week when Penn State clashed with the Mountaineers.

Following the game cries of "Moon-shine" were heard everywhere and many fans were killed in the crush before the crowd learning that it was only the West Virginia comb publication by that name.

The Bronx Zoo never had a thing on the county's leading football teams. There are the Panthers, Tigers, Lions, Bears, Bulldogs, and whatnot.

According to Penn students, Walter Camp All-American should consist of Craig Fairchild, Colman Pinworth, Robinson McGilver, Metcalf, Kline, Wilson, and Ted and Ted.

And they even want Lou Young, coach of the team with its colors Red and Blue.

The Saturday eleven meets the University of Southern California on the coast tomorrow afternoon.

According to advance information the Horticulture Department is making plans to entertain the Midwestern Agronomists next Tuesday's issue.

With the COLLEGIAN'S all-around selections in next Tuesday's issue.

Lucky Harris, Minuteman fighting tackle, has been elected captain of "Red" Gridiron eleven for next year.

Penn State's eleven will meet the Gridiron eleven for 1925 during the early part of next week.

Paul Revere's reputation as a horseman is not of winning since Knute Rockne introduced his famous three.

LOST—A gold watch and chain. Initials H. D. P. Reward if returned to the Y. M. C. A. Hut.

## MEMBERS OF A. S. M. E. VIEW EDUCATIONAL FILM

### 'Oxygen—The Wonder Worker' Is Title of Picture Shown to Students Last Night

The American Society of Mechanical Engineers held a meeting last night at 1200 Engineering D. The main feature of the evening was the showing of an educational film entitled "Oxygen—The Wonder Worker" recently produced by the United States Bureau of Mines in cooperation with the All-Industry Sales Company.

This film which consists of four reels showed how liquid air is made, why it is possible to separate the gases of the atmosphere, how oxygen is extracted from the air, how the high temperature (5200 F.) of the oxy-acetylene flame is produced, how cables are made and acetylene gas generated from iron steel scrap, brass, aluminum and other metals are welded, how steel and cast iron are cut, how the oxy-acetylene torch is adapted to mechanical cutting and welding, and how welding and cutting operations are performed.

Following the same lines of "Moon-shine" were heard everywhere and many fans were killed in the crush before the crowd learning that it was only the West Virginia comb publication by that name.

The special and fascinating character of the scenes showing the cutting and welding operations, suggestions, the interest surrounding the showing the production of oxygen and other welding and cutting products in factories to the film in its action held by few other industrial motion pictures. In addition there is an underlying theme to "Oxygen—The Wonder Worker" that tells a story of interest to the engineer, a story of metallurgy, of correct principles and efficient practice, and of new developments in the welding and cutting industry that are aimed to reduce cost and increase production.

### ENGINEERING PROFESSORS RETURN FROM MEETINGS

Dean Sackett Professor F. O. Keller and A. J. Stovall of the department of Mechanical Engineering have returned from New York where they were active in the A. S. M. E. and A. S. E. conference this week.

Professor Keller presented a paper on his experimental investigation of "Business" while Mr. Stovall and his brother told the results of an investigation on the flow of air through nozzles.

The Dean of the Engineering School spoke to the A. S. M. E. on Recent Developments in Sewage Treatment. He also attending two social conferences while in New York. Dean Sackett took in the sessions of the Committee on Education, of which he is a member.

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## PENN STATE BAND TO ENTERTAIN PRISONERS

### CO-EDS WILL ASSIST IN FOREIGN RELIEF WORK

### BIDS ON PIN REJECTED BY PENN STATE CLUB

### President Mears Urges Members to Support Unit Athletics for Coming Winter

The Penn State Band, under the direction of W. O. Thompson, will give a concert at the Rockwell penitentiary on December fourteenth. The band has been adding much to Penn State publicity this year through its appearances at football games away from home and also through the concert it gave over the radio from KDICA in Pittsburgh last Wednesday.

The Penn State Club Pin Committee reported that several bids had been received but, since none were satisfactory no action was taken by the organization at its meeting last Monday night.

Dr. P. Mearns '25 strongly urged that the Club members get behind the organization of the unit basketball team and talk it up among the non-faculty men. He pointed out that the champion fraternity five would play the winner of the incoming league to decide the all-college championship. Following this bid, Dr. G. F. Fisher '25 was chosen to represent the Club on the general committee which has charge of the surveying planning and construction of a road to serve as an access to the site of the '25 cabin. The Club pledged its support to the undertaking, saying it is further the program as it will be laid out by the committee.

The success of the last dance led to a discussion of the possibilities of having another. Although the question was favorably received it was held aside for further consideration following the Christmas recess. The Club will hold a final meeting before the holidays on Monday, December fifteenth. Dr. Toleno '25 will be present with his freshman orchestra to entertain the faculty with some musical selections.

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### Dance Records Out Today

Muddy Miles & Your Mind	Putt Whitem in Orch
Nashville Nightingale	Marjorie's Pennsylvania
1. Tondles	George Olsen and His Music
2. My Baby's Baby Blue Eyes	International Novelty Orchestra
1. I'd Sweet as Apple Cider	
2. Roll Them Baby Baby Blues	

THE MUSIC ROOM

### Do College Students Read Advertisements?

If you do, surely you will read this one

One fine day a Sophomore from a leading University came to see us, suggesting that we advertise in their undergraduate paper, and best of all convinced us, and this is how he did it:

First—He believed in Life Insurance because his uncle (a good business man) had advised him to buy some.

Second—His Father died in the prime of life and good health and left almost no insurance, when he could have carried \$50,000.

Third—He also knew that he could buy insurance NOW at half the annual cost his uncle and Father had paid for theirs.

All this convinced him that even though a student, he should take out as much Life Insurance as his allowance would permit.

What About You?

Every college student looks forward to a career, which will make possible the fulfillment of the most cherished desires—surely insurance is a necessary part of this program.

Insure, in part at least the value of your educated self, NOW, making up your mind to increase it as business or professional success follows.

The John Hancock Mutual Life Insurance Company issues all forms of Life Insurance, endowments for home and estate protection, mortgage replacement, education of children, bequest or income for old age; also annuities and permanent disability. The John Hancock is particularly interested in insuring college men and women and obtaining college graduates for the personnel of the field staff.

If you have read this advertisement, you will aid your undergraduate paper by communicating with the

**John Hancock**  
LIFE INSURANCE COMPANY  
OF BOSTON MASSACHUSETTS  
197 Clarendon Street, Boston, Massachusetts  
Over Sixty Years in Business. Now Insuring Over Two Billion Dollars in Policies on 3,500,000 Lives

### OUR XMAS Stock has arrived

Come in and see it

Sheepskin Coats of the best quality \$10 to \$18

FLORSHEIM and CRAWFORD SHOES \$8 to \$10

SCHOBLE HATS \$4 to \$7

THE QUALITY SHOP  
M. FROMM  
Always Reliable Opposite Front Campus Since 1912

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