

# Summer Collegian

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## NOTED MAGICIAN TO DEMONSTRATE ARTS IN EXPOSE TONIGHT

Jack Gwynne, Houdini's Pupil, Calls Mediums Frauds—Can Duplicate Results

## WILL PRODUCE GHOST PAINTING DURING SHOW

Pittsburgh Performer Reveals Fake Spirits—Will Try Mystifying Feats

Magic, mystery, exposes and escapes will combine in one evening's program to make the fourth number of the Summer Session entertainment course held in the Auditorium tonight at eight-fifteen o'clock, one with a more popular appeal than the concert of the preceding musical and vocal artists have been.

For Jack Gwynne well-known magician, student of Thurston and one of the late Harry Houdini's staff, will bring his company, bag of tricks, hidden rabbits and mystic jars to perform for followers of the entertainment course.

Will Expose Mediums  
Magician Gwynne, considered one of the most versatile and original mystics performing today, will reveal the methods used by fakirs in conducting mediums and seances of a spiritual nature. It was under Houdini that Gwynne, a resident of Pittsburgh, studied the deceptive methods of medium conductors. Tonight he will explain how it is possible to duplicate the feats of the medium through sheer trickery.

Gwynne claims no supernatural powers but contends that such things that are seemingly spiritual may be accomplished through perfectly natural means. In addition to the expose, Gwynne will present oriental mysticism, will show a spirit painting, will exhibit the ghost of Ponzi and will escape in sensational manner, according to those who have before seen his performance, from a tightly sealed U. S. mail bag.

Will reveal some surprising contents says Director Grant, in charge of booking the Summer Session entertainers.

Tickets for tonight's show are fifty cents and may be secured at the Summer Session office all day or at the Auditorium box tonight before the performance.

## J. R. HASWELL WRITES BOOKLET ON DRAINAGE

Penn State Extension Engineer Discusses Benefits of Such Methods

Many fields in Pennsylvania cannot be brought to a uniformly high state of cultivation throughout their entire area because they are too wet in spots, says J. R. Haswell, extension agricultural engineer of the Pennsylvania State College, in a circular which has just been released.

Permanent and winter springs seeps and "spouty" places or just low spots supply the water. Often, he declares, one under-drain placed correctly will save many acres of lower seeded land.

Haswell discusses the benefits of drainage, tells how to select tile for efficiency, describes the construction of the drains, lists the tools required in the ditching process, and explains the operation of laying the tile in the ditches.

Fully illustrated the new bulletin will be helpful to the farmer who plans to drain the wet spots in his fields. It can be obtained free by applying to the Agricultural Publications Office, State College, Pa., for Circular 112, Land Drainage in Pennsylvania.

## WATER OPERATORS MEET

Operators of water filter plants and operators of sewage plants throughout Pennsylvania held their annual meetings at the Engineering school last week. About one hundred men attended the two conferences, each of which lasted two days. Technical problems were discussed.

## FRUIT GROWERS RETURN FROM EXTENSIVE TOURS

Two hundred fruit and vegetable growers of the Keystone state made an auto tour through southeastern Pennsylvania, Delaware and Maryland the first three days of last week. They were accompanied by teaching, research, and extension specialists of the Pennsylvania State College. Starting at West Chester the touring horticulturists inspected the co-operative packing houses there which has a wide reputation for its success in the handling of locally grown products. From there the tour turned toward Kennett Square and the Du Pont greenhouses. The first day included a visit to the Delaware Agricultural Experiment Station at Newark. Nurseries and fruit and vegetable farms near Berlin and Salisbury, Maryland, were visited Wednesday, ending the tour.

## IDEAL CONTRASTS COLLEGE SYSTEMS

English Scientist Finds Closer Relationships Exist Here Than in Britain

## PREDICTS CO-OPERATIVE RESEARCH WITH SCHOOLS

The close relationship of the chemical industry and the educational institutions obtained in the United States does not exist in England, said Dr. Eric K. Rideal, lecturer on physical chemistry and fellow of Trinity Hall, Cambridge university, in discussing the part the research worker plays in applying scientific knowledge to the problems of industry. Doctor Rideal is attending the Institute of Chemistry of the American Chemical Society at the Pennsylvania State College and spoke before the Institute at the first meetings for consideration of the subject of catalysts. He also delivered one of the lectures on popular science, speaking on "Chemistry and the State."

Contrasts Educational Institutions  
In contrasting the place of the educational institution in the United States and England, Dr. Rideal pointed out that the state college and university plan, as it exists in the United States, is much further developed here than in England. As a result the public looks upon the state university or college as its own property and makes certain demands of it that the English people do not expect. In this sense the English college does not have the contacts with the public that the American university has.

"These contacts between the American university and the industries are beneficial to both," said Dr. Rideal, "and I think English industry might profit from such a system although it is perhaps unwise to have it developed to so marked a degree. The university man who has worked in an industrial plant for several years and then returns to the teaching profession." (Continued on second page)

## HEALTH EXHIBIT HELD IN OLD MAIN CORRIDOR

Student Graduate Nurses Assist Red Cross in Work Today And Tomorrow

An exhibit of health education material in the corridor of Old Main will be held by the student graduate nurses of the State College Summer Session, the Red Cross Home Hygiene teachers and the School Nursing group today and tomorrow.

In addition to the personal contributions of the two groups on home and school hygiene, all of the great health-promoting organizations of the country have sent in their most recent posters and literature for display at this exhibit.

The material includes school health programs, texts and courses of study for hygiene classes, suggestions for school lunches, child health studies, helps for the problems of social hygiene, information on heart disease and contagions. While sales cannot be made or orders taken, the nurses in charge will be glad to give information as to sources of supply and price lists.

One table will be given over to technical nursing and the care of small children. This will be of special interest to home keepers of the town or college. At another table, a school nurse will give information to teachers on methods for foot tracing, examination of teeth and on getting correct percentages of over weight and under weight for work in school nutrition projects.

## SERIES OF THREE TRIPS WILL END SUMMER OUTINGS

Gettysburg and Stone Valley Tours Saturday—Penn's Cave Tomorrow

## VISIT TO CAVERN TAKES PLACE FRIDAY EVENING

Prof. White Names Prospective Routes—Tickets on Sale At Session Office

The last general excursion to Penn's Cave during the present Summer Session will leave from in front of the Auditorium at six-fifteen o'clock tomorrow evening. Penn's Cave is a large subterranean cavern formed by the solution of limestone rock by underground waters. In natural beauty it exceeds many of the most famous American caves.

The diversified and freakish forms prescribed by the stalagmites and stalactites are a delight to every visitor. The cave disappoints no one. The imagination can picture nothing like it. The trip is made by motor boat and takes about forty minutes. The distance to the front of the cave is about twelve hundred feet, where during the past year a tunnel has been opened into an outdoor lake.

After a ride on the lake for a quarter of a mile, the boat returns through the cave to the starting point. Transportation tickets can be obtained for seventy-five cents at the Summer Session office until Friday noon. In addition to the transportation fee there will be an admission charge of seventy-five cents collected at the cave.

## Valley Excursion

The Stone and Kishacoquillas valleys excursion will start from in front of the Auditorium at eight o'clock on Saturday morning. This excursion will be a ride of about eight miles through Centre, Mifflin, and Huntingdon counties famous for their mountains, hills, valleys, forests and streams. No drive near State College is more popular.

Going over Tussey Mountain from Pine Grove Mills there are magnificent views of Nittany and Stone valleys. The route will lead through McAlevy's Fort to Greenwood Furnace in Stone valley where a Forest Nursery will be visited. Then the journey will be continued over Stony Hill. (Continued on third page)

## Lefty Page, in Pro Debut, Allows Two Hits to Opponents

Starting his first game for the Springfield Eastern league club, P. R. (Lefty) Page, former captain of the 1927 baseball team, turned in a two-hit shut out on July thirteenth. The Bridgeport nine was the victim, losing to Page by 3 to 0 score. Aside from a five inning appearance against the Yankee American leaguers, during which he gave two hits, this was Page's first professional baseball game.

Lefty's performance was a brilliant one, despite the fact that he gave eight bases on balls. Whenever the opposing batsmen threatened he was invincible. He fanned three men and the hits he allowed came in the first and fourth innings. All the former Nittany captain lacked was control. The courage and coolness which characterized his college mound work distinguished his professional debut, and today the fans of the Eastern circuit are shouting the praise of this new young pitcher, hoping that the Yankees do not recall him.

Penn State has many players in professional ranks, but at present only two are big league regulars, Cliff Heathcote, Cub outfielder and Myles Thomas, Yankee pitcher. Styborski, Page's teammate, is still on the Yankee personnel.

## Fifty Will Graduate Here August Fourth

The annual commencement at the close of the Summer Session will take place this year on Thursday evening, August fourth, President R. D. Hazel announced yesterday. It will be the fourth consecutive year that a summer commencement has been held by the College. The graduating class will be about the same size as for the past few years, probably numbering about fifty young men and women who complete their four year courses at that time. The Summer Session closes on August fifth.

## Announce Measurement Dates for Caps, Gowns

Measurements for caps and gowns for Summer Session graduates will be taken at Stark Brothers on West College avenue on Friday evening from five to seven o'clock and on Saturday morning from nine to twelve o'clock.

All those expecting to graduate should order their caps and gowns on these days at the store or by telephone at 433-J before Saturday evening. If the order is received later than that date, the student must pay the cost of telegraphing his order.

## CONCERT OFFERED BY SESSION BAND

Program Contains Foreign and Classic Numbers by Price's Ensemble

## POPULAR COLLEGE SONGS RENDERED BY GATHERING

"They displayed more spirit than a crowd of yearlings singing their bold sophomore lay during Freshman Week," was the manner in which R. W. Grant, director of music, explained the enthusiasm of nearly eight hundred students gathered in the Auditorium for the combined community sing and orchestra recital Monday night.

Under the direction of Mr. Price who in three weeks has shaped one of the best student orchestras, according to Institute officials, that has been heard at Penn State, the ensemble rendered a program of high class music including numbers from the opera, "Carmen." An old Egyptian song, also, was played.

Polished Performance  
"They played with absolute precision, with musical intelligence, and with thorough attention to their leader," was the comment of Director Grant. "Mr. Price deserves to be complimented."

That old songs are still popular seemed apparent when Director Grant introduced "Santa Lucia" and others for the audience to harmonize. In the course of the evening's events he taught the followers of music the Penn State song, "Blue and White." It was regarding the spirit displayed while singing this song that Mr. Grant commented on the enthusiasm of the attendants.

Such weekly sings are proving popular if the steady increase in attendance is to be taken as a criterion for success. (Continued on last page)

## CHEMISTS STRESS RESEARCH VALUES IN LECTURES HERE

Drummond and Mees Are Noted Speakers of Week—Mees Will Speak Today

## DISCUSSION OF PARTICLE SIZE TO ATTRACT MANY

Medicist From Mayo Foundation Will Lecture on Cell Oxidation-reduction

Value of research in industry will be the keynote expressed in most of the lectures to be given during the coming week by members of the Institute of Chemistry.

Notable among the scheduled speakers are C. E. K. Mees, director of research, Eastman Kodak company, and Jack Cecil Drummond, vice-dean of medical sciences and professor of biochemistry at the University of London. Dr. Drummond, who has gained wide renown for his research work in connection with cancer and vitamins, will offer a popular lecture entitled "Some Biochemical Aspects of Organic Evolution" in the Amphitheatre of the Chemistry Annex tomorrow night at eight o'clock.

Dr. Mees, one of the members of the committee in charge of the Institute, and who will act as chairman today and tomorrow, is scheduled to talk on spectro-photometry at the morning conference lecture in the Chemistry and Physics building at eleven o'clock.

Solvents Discussed  
"New Organic Solvents" will be the title of the address delivered by Bruce K. Brown, of the Commercial Solvents corporation at the Saturday morning conference. There should be something of interest in this lecture, believes Dr. Kenny, executive secretary of the Institute, because of the new automobile and furniture which are steadily being manufactured on a larger scale and which must have special solvents in them to serve their proper purpose.

"The Determination of Particle Size," is a lecture by S. D. Sheppard of the Eastman-Kodak company that will prove the feature of next week's conference, according to Institute officials. The type of picture made from a photographic plate depends on the size of the particle in the photographic emulsion.

This lecture, which will be given Saturday morning in conference, has attracted many outsiders who desire inside knowledge of this particular phase of chemistry and who hope to (Continued on third page)

## W. B. CONNELL SURVEYS WORLD'S WOOL MARKET

Co-operative pools have marketed nearly a quarter of a million pounds of wool to date, W. B. Connell, sheep and wool extension specialist at Penn State reports. Twelve pools have disposed of the fleeces from sixteen counties, with a dozen more pools to be sold.

Mercer and Crawford counties produced seventy thousand pounds of wool at Mercer. That is the largest individual pooling in the state. Beaver, Butler, and Lawrence county shepherds pooled sixty thousand pounds at New Castle. An average of thirty-nine and one-half cents a pound was received by the growers.

## ENGLISH POETRY HIGHEST—HILLYER

American Verse More Vigorous And More Bold, Declares Visiting Lecturer

## CALLS E. A. ROBINSON OUR GREAT EXPONENT

"If poetry were modern, it would be out of date tomorrow," declares Robert Silliman Hillyer, young American poet and critic now lecturing at the English Institute. Poetry, in Mr. Hillyer's opinion, should be as Milton defines it simple, sensuous and impassioned. Last night Mr. Hillyer gave readings from his poems, as near intensifications of human experience as he could make them.

Some of these poems have appeared in "The Hawk in the Garden" and "Sonnets and Other Lyrics," two of the poet's latest books while others are yet unpublished. Mr. Hillyer's lectures at the English Institute have been concerned with English poetry since Tompkinson. To date he has discussed in particular the work of Hardy, Santayana and Bridges, present laureate of England.

English Level Higher  
In general, the level of British poetry is higher than American, he believes. American poetry, Mr. Hillyer finds, possesses more vigor, more variety. But at the same time he things it is cruder. Whitman's "Leaves of Grass" he calls a poet's notebook. Sandburg is a sentimentalist.

"In the United States we have developed a scorn for hard labor in poetry. Too many poets now writing verse are doing it without a careful study of the craft. The true poet knows his tools, he expresses himself, but he does it gracefully. One should remember that not one great poem in existence has a poor metre."

So many poets rush into their work, thinking that their haste will produce a masterpiece that what they do write under inspiration is often clumsy stuff. Mr. Hillyer in no small measure blames critics for encouraging this sort of work. The English are not so prone to eulogies, he says, but (Continued on last page)

## GASOLINE FROM OIL IN FUTURE, CHEMISTS SAY

Successful Experiments Produce Supply From New Source, Lectures Reveal

The world-wide problem of what nations will do when the rapidly dwindling oil supply gives out, is being thrashed out this week by scores of the leading chemists of the United States and some from Europe assembled here for the third week of the Institute of Chemistry being conducted at the College campus by the American Chemical Society.

Gasoline from coal is being made successfully, it has developed in this series of lectures which started with addresses by Professor Hugh S. Taylor, of Princeton University, Dr. Eric K. Rideal, Cambridge University, England, and Dr. Hans Troppsch, leading investigator in this field in Germany.

The expenses of production is naturally higher than from petroleum, but the process is accepted as practical and will supply gasoline from coal as long as the world's coal supply lasts, which is estimated to be as high as two hundred years at the present rate of consumption.

Fifty Miles To Gallon  
As chemists produce better grades of gasoline, automotive engineers are developing engines that will give many more miles to the gallon by increasing the compression in the engine cylinders. Thirty to fifty miles per gallon have been predicted for the future as not impossible.

## PLAYERS TO GIVE POPULAR CONNORS COMEDY TUESDAY

"The Patsy," Directed by Ricker Will Complete Season for Summer Dramatics

## MISS EDITH HARTMAN TO MAKE DEBUT HERE

Experienced Cast Rehearses for Show—Tickets on Sale at Musser's Store

With "The Dover Road" added to its list of successes, the Penn State Summer Players will present as their second and final play of the Summer Session, "The Patsy," a delightful comedy by Barry Connors. It will be given Tuesday evening at eight-fifteen o'clock in the Auditorium. Tickets will be on sale at seventy-five cents each at White's Musser's until the day of the performance. Ben Ricker, star of "The Dover Road" is directing the play.

"The Patsy" which has been made so popular by Claborne Foster playing the title role, has been received enthusiastically all over the country. Characters players and stock companies have helped to bring it before the public after Claborne Foster made it a demand.

Patsy's Loves Amusing  
The story of the comedy is concerned with Patricia Harrington, the youngest daughter of the Harringtons' family. She loves, how she does love—but how can Patsy "get her man" when her mother and her older sisters never give her an opportunity? But the opportunity does come after all, and Patsy declares:

"If a girl isn't ravishingly beautiful, and never the life of the party,—well you've got to do something, haven't you?" and "If you're going to be admired for your brilliance and wit,—gee, you've just got to do something!"

But "Mont" Harrington thinks Patsy's wit a symptom of insanity. She cannot understand why Patsy should say that everybody is a stare hand and then to warn them not to cry in the milk, because there is enough water in it, anyway.

Tom Anderson comes to the conclusion that Patsy's insanity is not insanity at all, but a lot of deep un- (Continued on third page)

## Man Invents Sow Of Wood for Pigs When Mother Dies

Wooden houses dating back to the time of Helen of Troy are back numbers in history compared to a new animal on the farm of C. D. Werkheiser near Eaton, Pennsylvania.

Werkheiser is raising nine powdered Hampshire pigs with a wooden sow. The pigs are nominated for the Keystone Ton Litter Club, a project of the Pennsylvania State College agricultural extension service. When the mother of the little porkers died thirty-six hours after farrowing her litter, her owner immediately got busy with hammer, nails, boards, bolts, and apples to provide a substitute mother. He built a wooden frame in which nine three-ounce nursing bottles were placed nipple down at about a forty-five degree angle.

In making up the milk for the wooden sow, Werkheiser at first used equal parts of cow's milk and boiled water and added two teaspoonfuls of sugar and of lime water. Each pig received two ounces every two hours. The water was gradually reduced until at the end of the third week the pigs received undiluted milk.

At first, cheap nipples were used but the hungry porkers chewed these up the first day. More expensive nipples next were purchased and these endured the rough treatment accorded them.

When three weeks old the little Hampshires ate shelled corn, at four weeks of age they drank, and at six they went on a full feed of grain and milk and were turned into an alfalfa pasture. There is not a single runt among the nine.

## BUILD STORAGE PLANT

A new storage and shop building is nearing completion on the campus. It will replace a number of old frame buildings adjacent to the engineering buildings that for years have been a serious fire menace in that section of the campus. The new buildings will be used by the College department of grounds and buildings.