

Penn State Collegian

Tw-Hinkle Stars Again.

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PRICE 5 CENTS

Dr. Wendt To Market New Coffee Product

Plans N.Y. Company for Sale of Extract in Absence Leave

PROCESS WILL INCREASE LIQUID YIELD FROM BEAN

Former Dean Supervises Work Of Business, Technical Organization

In order to place a laboratory upon the commercial market, Dr. Gerald L. Wendt, assistant to President Ralph D. Hetzel in research, is organizing the Liquid Coffee Products company, during his leave of absence which began on November 1.

The corporation will be chartered in New York. Dr. Wendt is now supervising the technical and business organization of the enterprise in New York City. When complete, the company will be the result of several years of experimentation on the strength of extractions from coffee beans.

About three years ago, the former Dean of the School of Chemistry and Physics produced a liquid extract from which he prepared samples of coffee. He submitted the samples to be tested at a gathering of the State College meetings.

Coffee connoisseurs detected a trace of a foreign taste in the early samples, which they attributed to an imperfect removal of chemicals used to extract the essence from the coffee beans. From that time, Dr. Wendt experimented to perfect the extracting process and remove the foreign taste.

After perfecting the new process, the President's assistant, planning to place the extract on the market, requested a leave of absence to organize a company for the purpose. Because the length of time required to complete the organization was not known, the leave was granted for an indefinite period.

When functioning, the process will allow the shipment of the essence of coffee in liquid form, thereby reducing the shipping weight by about seventy-five per cent. The liquid essence will weigh about one-fourth as much as the coffee beans it supplants.

Probably the most revolutionary feature of the new process is that the liquid produced will be sufficient to reconstitute eight times as much coffee in its drinkable form as the ground beans would ordinarily produce. Coffee grounds often found in cups when beans are not finely ground, will also be absent from drinks prepared from the liquid essence.

Removes Coffee Grounds

The plan of the enterprise is to import the coffee beans to New York, remove the essence near the port, and ship the liquid to wholesalers and retailers, thus affecting a saving to consumers, realized both from the reduced freight rates and the increased coffee extraction from the beans.

Up to the present time, the greatest number of cups per pound of coffee is secured by grinding the beans into as fine particles as is practical, and by steaming the grounds in large vats. Objections to this method are that only in preparation of large quantities, such as are used in restaurants, can this process be utilized. The cups also contain grounds which are difficult to remove because of their small size.

CHAPEL SPEAKER PLEADS FOR LOVE AND KINDNESS

Believes Principle of Mercy Will Eventually Releem World

Charging that his generation had failed to fulfill the doctrine of love and kindness towards sinners, Dr. Ellis A. E. Palmquist, executive secretary of Churches, appealed to the present generation of the Philadelphia Federation to follow this tenet of Christ when he addressed chapelers Sunday morning.

"The way to change a bad man into a good one is to be good to him, love him," stated the speaker. "We have built large institutions of theology to treat criminals as an inferior group of animals, and then, turning them out into the world again, have found them to be no better than that."

DEVELOPS Improved Process for Making Coffee



DR. GERALD L. WENDT

COLLEGES RATIFY EXTENSION PLANS

National Association Approves Penn State Agricultural Work at Session

That Penn State shall continue its present program of agricultural extension in Pennsylvania because the government does not provide for such work was the decision made at the forty-third annual meeting of the national association of land-grant colleges and universities in Chicago last week.

A committee appointed at a special session of the farm board to study the problem of agricultural extension, passed favorable judgement upon the policy of this and other similar institutions.

Already agricultural extension associations are established in sixty-five Pennsylvania counties under the direction of the College One of the features of the work is to provide a suitable market for every farmer. It is expected that by this educational process agriculture will progress satisfactorily.

President Hetzel Attends

Representing the College at the meeting were President Ralph D. Hetzel, Dean Robert L. Sackett of the School of Engineering, Dean Ralph L. Dr. Milton S. McDowell, director of the School of Agriculture, agricultural research and Stevens W. Fletcher, vice-dean of agricultural research.

Miss Edith F. Chace, director of home economics, R. Adams Dutcher, professor of agriculture and biological research, and Harry G. Parkinson, professor of agricultural education were also present.

COLLEGE TO HOLD SIXTH HORT WEEK

State Specialists Will Gather For Annual Conference From December 9 to 11

Horticulturists of the State will meet at the College to discuss problems of development during the sixth annual Horticulture Week from December 9 to 11, Dr. Stevenson W. Fletcher, head of the horticulture department, stated yesterday.

In addition to members of the School of Agriculture faculty, prominent growers in the horticultural field will address the visitors. Among the speakers will be D. M. James, of the State Bureau of Markets, who will speak on the trend of fruit and vegetable marketing.

Dean Ralph L. Watts, head of the School, will outline a program for the development of instruction and research in horticulture at Penn State. Other speakers will summarize the most important achievements in this field throughout the year.

CO-ED CLUB COUNCIL VOTES AGAINST OPIN BIDDING RULE

The proposed amendment to the Campus Club Council rushing rules providing a week of open bidding for the regular rushing season was defeated at the meeting held Tuesday afternoon in Woman's building. "The defeat of this amendment," stated Olive E. Osterhout '30, president of the council, "proves the intention of the girls to hold to a rigid system of rushing."

DIRECTOR GRANT NAMES NEW VARSITY QUARTET

Following a series of competitive trials, which continued over a period of three weeks, the Varsity Quartet was selected by Director of Music Richard W. Grant, last week.

Those chosen by Director Grant are William B. Hess '31, first tenor, Flannery G. Wood '31, second tenor, Robert H. Tice '30, baritone, and Clifford Burnett '32, bass. The group has started practice for an out-of-town engagement to take place during the first week in December.

MILES, GRAD OF '62 CLAIMED BY DEATH

Penn State's Oldest Alumnus, Aged 87, Dies at Home Near Lake Erie

Penn State's oldest living graduate, John F. Miles '62, died recently at his home in North Springfield, Pa., on the banks of Lake Erie, at the age of 87 years.

Miles received his bachelor of science degree from Penn State, then called the Farmers' high school of Pennsylvania, with 16 other of his classmates. This was the second graduating class in 1863 he received his M. S. A. and in 1912 an honorary degree of master of science was bestowed on him.

Penn State of '62 was quite different from Penn State of today. Old Main was still incomplete. The completed portion of the building was used as dormitories and classrooms. Students were more apt to be found in the field than in the classroom. It was a part of the curriculum for the undergraduates to work ten hours in the field to supplement their theory.

Planned Botanical Garden

Dean Robert L. Watts of the Agricultural school, a close acquaintance of Mr. Miles, expressed his sympathies on hearing of his death.

"Mr. Miles," he said, "had a very pleasing personality and had a keen intellect. He was interested in all the activities of Penn State."

Miles was one of the group of students which planned and built the botanical garden in front of the present Botany building. This is the only remaining landmark of the early classes.

He was known in Erie County as the former operator of Wash-Hann-Lodge, a resort on Lake Erie, and for his success as a real estate broker. He was an extensive farmer and was prominently identified with political and civic affairs in the northwestern part of the State.

E. E. DEPARTMENT PRESERVES RELICS

College To Retain 3 Dynamos Built Under Patents by Edison, Westinghouse, Bush

In order to trace the development of manufactured electricity in the United States the department of electrical engineering of the College is preserving three dynamos built under the patents of Thomas A. Edison, George Westinghouse and Charles F. Brush.

Edison designed the bipolar direct current generator, one of the earliest machines built under an Edison patent. A bipolar direct current generator was installed in the College during the early 80's and was used until alternating current replaced it. The power plant now being constructed will provide light and power for more than forty buildings while the first generator provided light for only 100 filament lamps.

When the light bulbs replaced the arc lights, bringing a steady glow instead of their spitter and flicker, the first electric light generator displaced the arc generators. However, the Brush arc generator was one of the leading machines of its day and was obtained for laboratory equipment by the College for a course of the department of electrical engineering in physics and electrotechnics.

TO PURSUE INFORMAL STUDY

Informal study has been offered again this year to the highest fifty students in the senior, junior, and sophomore classes of the College of Arts and Sciences at Cornell University. These students will receive three hours of credit each semester for work done informally.

BOOTERS MAINTAIN LEAGUE LEAD BY MAROON TRIUMPH

Lions Win Fourth Circuit Fry From Lafayette 3-0 on New Beaver Field

SCORES 3 TOUCHDOWNS DURING SECOND PERIOD

Coach Jeffrey Visions Title for Soccermen—Yale Remains in Race for Crown

Gaining their fourth circuit triumph of the season, the Penn State booters strengthened their hold on first place in the Intercollegiate soccer league when they defeated the strong defensive Lafayette eleven, 3-0, on New Beaver practice field Saturday afternoon.

Scoring activity opened in the first minute of the second quarter. Dehon, at center forward, made a long pass across the field to Anderson at outside left. Anderson scored with a low fast kick that passed the goal tender cleanly. Stimlin, playing left halfback, advanced from the back field to boot the second goal from a scrimmage in front of the posts.

Dehon, high-scoring center forward, smashed the ball past the goal for the final tally a few minutes later. Kelly, outstanding Maroon goal-keeper, checked numerous Lion drives for goals. Left halfback Pinkins, was also effective on the defense for the Leopard booters.

Yale Defeats Princeton

Almost the entire game was played in Lafayette territory, the Nittany forward wall constantly threatening to penetrate the Maroon defense. In the second half, although the Lions were unable to score, the Leopard's seldom drove the ball past mid-field.

McKuno spent a listless afternoon talking to the managers and listening to the Bucknell cheering section at Princeton, with a record of but one tie game and no defeats up to the game with Yale Saturday, lost its

NAVAL MEN STUDY MACHINE DESIGNS

Submarine Engineers Selected for Advanced Course Complete First Part of Study

The seven naval submarine experts who were selected by the Navy department for advanced engineering work at Penn State have completed their opening work with Diesel engines and are now deep in the study of machine design and fuel oils.

The officers who were selected after serving from three to six years in active duty on submarines and a one year post graduate course at Annapolis are Lieutenants William C. Buch, Harold N. Williams, Charles J. Case, Robert L. Dennison, Roland N. Smoot, Chauncey Moore, and John C. Lester.

Government officials selected Penn State for the naval graduate work because of laboratory facilities and because of the research which is conducted here concerning Diesel engine improvement.

SUSPEND HAZING STUDENTS

Fifty-nine students were suspended from Oklahoma university this month by action of the board of regents because they violated university rules.

FORMER R.O.T.C. COMMANDANT RECALLS OLD CAMPUS SCENES

"Thirty years ago Penn State was a small College of 350 students set in the midst of the woods, with a country village placed beside it," stated Major Edward W. McCaskey, who is visiting his brother, Col. Walter B. McCaskey, in picturing the period from 1892 to 1896 when he was Commandant of the R. O. T. C. unit.

"I can find few traces of the old institution in the College which has grown up during my absence," the former R. O. T. C. head said smiling. At the time that Major McCaskey commanded the R. O. T. C. here, there were few small companies comprising 200 students. The "Preps," a group of boys preparing for College, drilled with the regular students. In the winter, the entire corps held classes in the Armory, which had just been built.

COUNCIL WILL SELECT CONVENTION DELEGATE

The Interfraternity council will hold a special meeting tomorrow night for the election of a delegate to the annual I. F. C. convention.

The conference will be held in New York City during the Thanksgiving week-end. Representatives will discuss problems of fraternity finance, and other questions relating to house management.

REPORTERS ATTEND MEETING THURSDAY

'Collegian' Will Continue Classes in Journalism for Plebe Staff Aspirants

Candidates for the freshman editorial staff of the COLLEGIAN will receive added instruction in lead writing, and questions of COLLEGIAN style in the third meeting of the class to be held in room 14 Liberal Arts building at 8 o'clock Thursday night.

In addition to the regular instruction which is given by Charles A. Mensch '30, managing editor of the COLLEGIAN, Prof. William F. Gibboner, and Franklin C. Banner, of the journalism department, will address the class at several meetings during the eight-lecture series.

Short quizzes will be given at various times where such points as new-value, the writing of lead paragraphs and the style of the college paper will be reviewed.

Thirty-eight Respond

The following students responded to the call for the freshman editorial staff, James A. Wilson, George J. Thompson, Edward M. Roeder, Edward F. Balsbaugh, Robert E. Tschann, Ernest R. Zuzavskas, Richard E. Haber, Jack M. Wolf, Donald B. Wilcox, Donald P. Day, Ralph P. Celmer, Seth W. Russell, Curtis W. Montz.

Other candidates for the staff include Ralph D. Hetzel Jr., Milton J. Baldwin, George H. Reynolds Jr., Richard V. Wall, Wayland F. Dunaway, William P. Jennings, William J. Williams Jr., Edward A. A. Fred Peckler, Frank W. Young, Harry J. Fanchild, John E. Kutz, Richard L. Kirk, Benjamin J. Davis, Edwin M. Lester, Robert Frost, Milton Rosenstein.

The women candidates for the staff are Elizabeth M. Korb, Marion P. Howell, Soila C. Dielard Helen E. Neff, Regina M. Pretz, Ruth Goldstein, Margaret Hewes and Ruth Crowther.

MICHIGAN BOOTLEG GANG FLEES RAID

Ann Arbor Police Find Liquor Cache in Dormitory at University—Seize 2 Students

Two University of Michigan students believed to be directors of a college bootlegging business are being sought by Ann Arbor police following a raid on Fletcher Hall, university dormitory, where a case of wine and whiskey was found.

It is believed that bootlegging financed the student's education. Five fraternities are implicated in the operations, and they were recently in probation for staging drinking parties.

The Co. bakery accommodates 200 students and is owned and managed by alumni of the university. Orders were taken by the student bootleggers for "the best Canadian stuff," and while the police were seeking for evidence several thirty students, who names were taken, telephoned the bootleggers.

SECURES EXTENSION POST

Prof. Ralph P. Tittler, of the department of dairy husbandry, was recently appointed instructor for a course in bacteriology offered by the college extension department in which eleven junior nurses from the Philadelphia hospital have enrolled. Professor Tittler has relieved Prof. Martin L. Knutson who held the position for the past two years.

LION GRIDMEN FALL BEFORE RELENTLESS BISON OFFENSE, 27-6

STARS As Bison Herd Tramples Nittany Lion



CLARK HINKLE

BAND PLANS SIXTH ANNUAL AIR RECITAL

President Hetzel, May Speak to Alumni on Thanksgiving Eve Program

Penn State's famous Blue Band will make its sixth consecutive annual appearance before the microphone on Saturday night, Thanksgiving Eve, when the band will broadcast a special program of College songs.

President Ralph D. Hetzel will also speak on the same program delivered at a meeting of importance to alumni of the College. The musical number will be interspersed with cheers led by the cheerleaders.

Under the direction of Bandmaster Wilfred O. Thompson, the College musical program should close midnight. Next day the band will appear at the annual Thanksgiving Day football game between Pitt and Penn State.

To Play at Smoker

The band will also play for the entertainment of Penn State alumni of Pittsburgh before the weekend of Wednesday night. They will appear at the pep meeting and smoker to be held as a football rally in McClellan auditorium, Friday night.

The band's program will be limited to College songs and marching tunes. Several songs, marches, one of them by Bandmaster Thompson will also be included on the program. This is the second year this year that the band organization has made a radio appearance. They previously were heard over the air from station WJZ, New York City, during the week-end of the N. Y. U. game.

PROF. SHAW OPENS CERAMICS SURVEY

Encompasses \$20,000,000 in Material for City Products During Former Research

Having covered \$20,000,000 worth of ceramic raw materials, Prof. Ralph D. Shaw, head of the department of ceramics, has opened a survey of the industry in Pennsylvania.

He expects this material to form a basis for exploration, development, and research work in the field. The report to be made in cooperation with the State and Federal governments, will include material from over a thousand clay products plants throughout the state. The completion of the report is scheduled for next May. At that time it will be distributed to those interested in the ceramic industry.

The ceramics industry receives little publicity although it is a quarter of a billion dollar industry and Pennsylvania is the leading state in production and output. Much of the capital is invested in relative small plants and many of the plants are located in the small towns.

CO-EDS ATTEND W.S.G.A. MEETING AT BUCKNELL

Helen F. Faust '30, president of Women's Student Government, and Helen Buckwalter '31, vice-president, represented Penn State at a convention of women's student governments held at Bucknell university Thursday to Saturday.

Norman Thomas, Socialist candidate for the presidency of the United States in the 1928 election, addressed the convention at which representatives from most of the eastern women's colleges were present.

Bucknell Intercepts 6 Passes as Nittany Eleven Falls

TIGHT LEOPARD DEFENSE CHECKS NITTANY SCORES

Lewisburg Makes Only Penn State Touchdown—Hinkle Leads Lewisburg Drives

Helpless before the crashing charges of a flood-thrifty Bucknell team, Penn State's football machine for the third successive year fell before the 21-on-on-land by a 27-to-6 score on New Beaver field Saturday afternoon.

The Lion team was at the mercy of the Bison attack throughout the contest, the Bucknell backs penetrating the Nittany forward wall at will. The Lion ball-carriers failed to gain consistently through the Lewisburg forwards although both French and Dieckhoff at times smashed through the bulky Bison line.

Clark Hinkle, Bison fullback, performed brilliantly on every Bucknell offensive drive. Plowing through the Nittany line Hinkle twice crossed the ball across the Lion goal line and was responsible for passes that netted the gold and Blue team their only pair of markers. Lobel, quarterback, and Slate, halfback, were also effective against the Nittany defense.

The grim Lewisburg team began its scoring activities early in the second quarter and had amassed a total of twenty points before the close of the period. The Bison came around in the opening moments of the third quarter bringing their total to twenty-seven. The Lion tally came in the final quarter when a desperate rally netted their lone touchdown.

Lion Passes Intercepted

Frustrating Penn State's forward pass attack, the Bucknell team intercepted six of the Nittany aerial. Two of the intercepted passes resulted directly in touchdowns for the Lewisburg eleven. A total of twenty-two yards were accounted by the Lion backs. Nine losses were completely because of interference by Bucknell backs.

Ten passes were attempted by the Bison team. Four were completed while five were grounded, and one was intercepted by Jack Lewis. Two of the throws resulted in Lion touchdowns.

The Bucknell eleven out-gamed the Penn State team throughout the contest registering sixteen first downs while the Lion attack was accumulating a total of ten.

Bison Score in Second Quarter

Although unable to score the first quarter after advancing the ball twice to within five yards of the Nittany goal, the Blue and Gold machine crossed the line three times during the second period.

With the oval on their own 27-yard marker, the Lewisburg machine started their first scoring drive early in the second quarter. After advancing the pigskin to his 12-yard line Hinkle:

(Continued on third page)

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Socialist Presidential Candidate Addresses Convocation

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6600 TAKE EXTENSION WORK

Engineering extension courses have enrolled 6,600 students this year, officials announced recently. Cooperating with industries and organizations in the State, the extension department trains men who are otherwise unable to take college studies.