

CHEMIST FORSEES LONG LIFE PERIOD

Dr. H. C. Sherman Tells Institute Audience Man's Service Span May Be Lengthened

IMPROVED NUTRITION IS FACTOR IN LONGEVITY

Where the human race now produces one long lived individual, like the late Dr. Eliot of Harvard, general understanding and practice of good nutrition may bring a thousand such into being, according to Dr. H. C. Sherman of Columbia University speaking before the Institute of Chemistry yesterday.

"Real differences in the length of life of experimental animals caused by an improvement in an already adequate diet have proved definitely that mature life in human beings can be extended both by hastening maturity and delaying senility," Dr. Sherman said. "Thus a person's maximum efficiency and happiness can be extended over a longer period of years by materially lengthening that part of each person's life which is worth most both to himself and the world."

Catalysts Important
"Food stuffs in being absorbed must undergo chemical changes in the digestive tract or in the body tissues or both and these can occur fast enough to support vital activities only when they are catalyzed. The group of catalysts, or accelerators, here concerned are typical of the class known as hydrolytic enzymes. Evidence has been accumulated to show that these enzymes are of the nature of proteins.

Thus it appears that the protein of food must furnish material not only for the building and up-keep of the body tissues in the ordinary sense, but also produce in the body the enzymes and hormones which catalyze the utilization of food. They make these chemical reactions of nutrition operate fast enough to furnish energy at the rate needed to support the processes of life. These facts accentuate the importance of proper quantities and kinds of proteins in the diet.

"Grains alone do not suffice for the normal nutrition of mammals such as human beings, cattle, swine, or rats. Excellent results can, however, be obtained by the feeding of the same grains adequately supplemented by milk. In view of the place of each of these types of food in nature, it is of much scientific as well as economic interest to know in what quantitative proportion must milk be consumed

Ernie Paul Will Again Coach Lacrosse Team

Ernie Paul, of Syracuse, New York, who joined the Penn State staff last March as coach of lacrosse, has been engaged for the coming year, officials of the College announced yesterday. Paul will return in September as a regular member of the coaching staff and will continue to direct the lacrosse squad in the spring and fall. He will also assist with the intramural sports program in the fall and winter months.

Paul, who formerly coached lacrosse and hockey at Syracuse and Hobart College, made a good record during his first season with the lacrosse squad here, winning four games and losing three. He probably will coach in hockey and winter sports at Penn State when facilities for these activities become available.

Bergman to Assist
C. R. Bergman of Philadelphia, will be the only other new member of the Penn State coaching staff next year, assisting in football. Bergman was a member of the varsity team last season and was president of the Student Athletic Association during the past year. He also won a letter in boxing two years ago. Bergman plans to continue his studies at Penn State and will replace Men-shan Bentz as an assistant football coach. Bentz, who was enrolled for graduate work last year will return to his position at Shippensburg Normal this fall.

Other sports will continue during the coming year with the same coaching staff as that of last season with Hugo Bezdak, director of athletics, in charge of football assisted by B. M. Hermann, freshman coach, Larry Conover and Bergman. Heimann will direct basketball, Nate Cartmell, track and cross country, Leo Houch, boxing and freshman baseball, Charley Spedel, wrestling, William Jeffries, soccer, and Bob Rutherford, golf. Bezdak will again direct the varsity baseball team.

along with grain in order that the mixture may constitute a food supply adequate to meet all the needs of animal nutrition.

"There is no reason to doubt and ample reason to believe that similar improvement in nutrition with resulting increase in vitality and higher degree of health, with longer life and especially a longer duration of the prime of life, can be realized in human experience by a life improvement of the food even though the original food supply is already adequate according to current standards."

ball team. Eugene Bischoff, gymnastics director, and Paul Schweitzer, fencing instructor, complete the roster of the coaching staff.

Orchestra Recites at Student Songfest

With the Summer Session orchestra and chorus offering combined programs before more than one thousand attendants, the final community sing of the Music Institute was conducted in the Auditorium Monday night.

The institute chorus of one hundred and twenty-five voices presented a group of part-songs, while the orchestra which has met daily for the past three weeks and which is directed by Doctor Price, played several light and classical selections.

Song Revival
The thousand or more attendants also participated in the evening's program, blending voices on old songs of the popular and folk type. "Blue and White," one of the favorite Penn State songs, recently introduced by Director Grant, was again sung. It proved popular with the gathering.

The annual recital of advanced voice students of the Institute of Music will be held Monday night in the Auditorium at seven o'clock. The event is directed by James Woodside, noted baritone, who recently recited here, and who has been active as one of the institute instructors since its opening.

Paints For Prince



Emile Walters

Emile Walters To Spend Vacation on Ranch With Prince

By written invitation of Edward, Prince of Wales, Emile Walters, present instructor at the Penn State Summer Session, will sojourn for a period of three or four weeks at the English bar's private ranch in Alberta, Western Canada, after the close of the six-week period here.

During his stay Walters will sketch much of the surrounding landscape of the Canadian Rockies which is noted for its picturesqueness. Walters himself who is leaving this week with a distinguished party including Premier Baldwin and other noted Eng-

lish personages, will be present to greet Walters when he arrives.

Directly following his work here, the noted landscape artist will travel to Umontown and Pittsburgh where he will conduct exhibitions of his art.

The royal ranch which is one of the largest and best known in North America, is used to groom thoroughbred cattle and horses which are imported from England exclusively for the Prince's use. While hobnobbing with English royalty, Walters will win his winter art campaign in New York city.

After his work at the ranch the Penn State art instructor will leave for California where he will visit relatives, notably his brother an actor in Hollywood under the name of Cody. Cody is busily engaged in the western type of pictures.

to Mercy Hospital where physicians discovered that each of his legs had been pierced by bullets and that one of his arteries was severed.

Pratt, whose home is in Scranton, was a popular student here and was a member of Farm News and of Student Council.

LOST—A Brownie Camera at Andy Lytle Cabin last week. Finder please call Reeder at 86. Reward.

FOR RENT—Bessler Cabin at Le-mont. Ideal for outings. Call 906-R14 for reservations. 2t

WANTED—Four to six unfurnished rooms by September 1. Give description and floor plan. L. L. Ramsay, 503 S. Market St., Shamokin, Pa. 2t

LOST—White gold bar pin with small sapphire stones. Lost Saturday on College Avenue, Gill street, Fairmount or Pugh street. Finder please return to 221 South Pugh St. Reward.

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Penn State Graduate Wounded by Bandits

(Continued from first page)
Still Pratt was undaunted and preferring to take a long chance rather than submit meekly, he sprinted suddenly, but before he had advanced a dozen steps, two flashes came in quick succession from the pistol of the thug. Pratt tumbled in a heap on the pavement and saw his assailants flee as the neighbors were aroused.

A man and a girl, both unknown to the police, passed in a machine and helped the wounded man into their car. Forgetting her evening clothes, which became splattered with blood, the girl bent with her companion to lift Pratt who was bleeding freely. His life was saved by a swift drive

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