

PROF. WARSHAW TALKS TO FIRST YEAR GROUP
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uncivilized Indians and Spanish planters as we are led to believe by the old time geographies. Buenos Aires, the largest city in South America, is situated in Argentine and has at present a population of well over a million and a half. It started from an auspicious beginning but at present it has a fair chance of surpassing every city in the new world except perhaps New York and Chicago, according to Professor Warshaw. It has the largest, most completely equipped and best newspaper in the world, not excluding either those of New York or London. This newspaper is housed in a three million dollar building and has pulled off some of the most original schemes that have ever been attempted by any organization of the kind. There also is located a twenty-million dollar opera house which charges all the way up to one hundred dollars for a single box and is able to offer such good contracts that the opera houses of New York, London and Paris have hard work securing high grade artists. An even better one is located at Mexico City.

"The charitable work in Buenos Aires is largely carried on by the proceeds from the horse race betting," said Professor Warshaw. "The Jockey club which owns the racing stadium turns a good share of the proceeds into the hands of an organization of sixty women which uses it as the need arises. It is estimated that these sixty women handle yearly about six million dollars. Through all the long years of political changes and trials there has never been a charge of graft brought against these women and the arrangement is probably the best in the world even if European and American morals might be a little shocked upon contemplating the source of the funds."

So many chance tourists have stopped off in South America and then returned home to write books on the unsanitary conditions prevalent there. Professor Warshaw strongly repudiated this. Dr. Mayo on his recent trip through the once fever infested regions of Chili, declares that the work that has been done is something wonderful. The native doctors have been mainly trained in European or American schools and they have just as much ability to handle their problems as anyone. This sanitary work has been largely helped by the American Rockefeller institution.

We seem to think here that the South American countries are far behind in sociological reforms. It is almost the other way around in many cases and Europe is merely following South America's lead. Disarmament agreements and leagues of nations were formed between the big countries of South America long before the Paris treaty was signed or the Washington conference called. Prohibition is one of the main political questions there while it is hardly being discussed in Europe. Paupers are rarely seen even in Buenos Aires, while beggars are the rule in some of the capital cities of the world.

SHAM BATTLE AT K. U.

University of Kansas—Artillery batteries, infantry attacks and the explosion of blank cartridges featured the sham battle fought between the University Reserve Officer Training Corps and the Indians of Haskell Institute. Blank cartridges filled the magazines of the Springfield rifles and the artillery took the form of cans of black powder, placed at strategic points to be set off at the critical moment by a system of wires.

PHARMACY COLLEGE AT NEBRASKA UNI. FOURTEEN YEARS
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the executive officers, in the basement of old Nebraska hall. Here the work was carried on under extremely adverse conditions. During this time, however, there was developed the Drug Plant Garden, which has attracted the most favorable comment throughout the country and has done much toward placing this institution in its present class. With the completion of the new Chemistry building, the old Chemistry building was turned over to be used exclusively by the department of Pharmacy, Pharmacology, and Physiology, and to house the executive officers of the College of Pharmacy. The building was remodeled at considerable expense, and the laboratories are admirably adapted to the needs of the various departments.

The war has called the attentions of the world to the importance of the pharmacist in civil and public life. It has shown us what may happen to a nation that is unprepared to supply its own medicinal products whether they be derived from plants or by synthetic processes. It has shown that a country may be flooded by great quantities of adulterated medicinal products, with few men ade-

quately trained to protect the public against such adulteration. The scientific treating and production of drug plants is in its infancy. The production of synthetic drugs for both medicinal and industrial purposes offers a field of unlimited possibilities. Today immense salaries are being offered men who are trained in the knowledge of the drug market and drug geography of the world. The pharmaceutical manufacturing interests are now seeking scientific men who have been adequately trained to solve the problems of these interests.

The basement of the building is occupied by a fully equipped pharmaceutical manufacturing plant, a dispensing laboratory, and a laboratory used for the physiological standardization of drugs. The first floor is devoted exclusively to pharmacy and the top floor to pharmacognosy, pharmacology, physiology and the executive offices. In the roomy attic of the building there is built a plant for the curing and preserving of crude drug plants. This location is ideal because of the lack of moisture.

With the clearing of the campus the pharmaceutical garden will be increased in size and plans are being laid to develop it in such a way that plants may be grown under any and all conditions thus making it a great living drug plant laboratory. In doing this work the University will not forget what it owes to retail pharmacy in the state and will constantly seek to prepare young men and women in the best possible way for professional work in the retail store. The College of Pharmacy must broaden its field of action and concern itself with all phases of pharmaceutical endeavor, whether scientific, professional or commercial.

FINAL TRYOUTS HELD FOR MEET WITH KANSAS
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As meet, track fans will have an opportunity to see the Husker cinder path artists in action when the Cornhusker field athletes meet the Kansas Aggie tracksters on Nebraska field on May 13, the same day that the state high school meet will be held. The meet with the Farmers will be followed by a meet with Ames on May 20. The Missouri Valley outdoor championship meet will be held on May 27 at Lawrence, and National collegiate meet on June 10 will close the 1922 Husker track season.

VITAMINES ARE ESSENTIAL FOR NUTRITION

By Prof. J. B. Burt

The subject of vitamins, representing the most recent advance along pharmaceutical lines, is of particular interest at the present time, not only because they are being discussed so widely in pharmaceutical and medical literature, but also in the lay magazines and the daily press. The rather extensive advertising of certain commercial organizations manufacturing products purported to contain vitamins has also tended to gain the interest of the public in these substances.

The medical profession has been familiar with a number of diseased conditions which could not be ascribed to any known cause, and a great many of these, in the light of recent discoveries, can now be classed under the general heading "vitamin deficiency" diseases. Literature and

history record many instances of such conditions. In "The Tale of the North," Jack London recites an incident where the early pioneers in Alaska were affected during the winter months by scurvy, which was fatal in its effects until it was discovered that the eating of raw potatoes with the diet brought about a cure. As soon as this fact became generally known, the potatoes became as valuable as the gold sought by the pioneers. At the time this story was written, no satisfactory explanation for the curative action of potatoes was known. Now, it can be explained by saying that the raw potatoes simply supplied the vitamins which were lacking in the diet.

During the Russian-Japanese war, sailors of the Japanese Navy were attacked by a disease and a large proportion died from its effects. Upon investigation by the medical officers it was decided that the disease was the same as one described by a Russian physician previous to the war, in which a diet of unpolished rice had effected a cure. Up until this time the diet of the stricken men had consisted largely of polished rice, and when the unpolished rice was substituted, it was found in a majority of the cases that recovery followed within a short time. It would seem that the most of the essential vitamins, which lie, for the most part, very closely associated with the seed coat, were lost during the polishing process. The scientific study of these substances began following this incident. Most of the investigators are in agreement that in order for food to be effective, it must contain the vitamins in proper proportions, in order that life processes may go on normally.

Up to the present time, three classes of vitamins have been discovered, known as: Fat soluble A; Water soluble B; and Water soluble C. It has been well established that each of these types bears a definite relation to nutrition and that all three must be present in the body for best results. Experiments upon rats and other animals have furnished a great deal of information as to the symptoms produced by the lack of each of

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the three types.

Vitamines are found rather widely distributed among the substances used for food, but due to the instability of these compounds, and the methods of preparation of foods, a large proportion of these are destroyed before they enter the body. It has been shown that the vitamin content of foods is affected by the modern canning process, by boiling, or heating to boiling, cooking, etc. Water soluble B is completely destroyed if the heat is maintained for two hours or more. Fat soluble A is injured at least partially and Water soluble C is destroyed in a short time.

The opinion is held by some authorities that the vitamins act as catalyzers and that the mere presence of these substances enables the system to properly absorb the food. From a therapeutical standpoint, they are valuable in the treatment of diseases of malnutrition and in such disorders as rickets, beri-beri, pellagra and scurvy and in the convalescence from acute infectious diseases.

NEW CLUB WILL TAKE DEFINITE FORM THIS WEEK

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One object of the organization is to discourage any feeling in the state,

that its university is a playground for students after finishing high school. This feeling has been found in certain towns of the state and it is the representatives from these towns that will do their homes an educational good, and make the university an attraction. "Boost and discourage the knockers" will be the byword of the organization, and the old Uni will be boosted to the skys if necessary to make it a place that Nebraska students will like to come to.

A copy of the Rag will be posted on the bulletin boards of the different buildings, giving the rooms where the different towns will meet. The senior is eligible for membership.

Secretary Harold Holtz, of the Alumni association has backed this organization stating that it would be a great help in making Alumni week a success.

Tonight Will be Feature Event of Year for Pharmacy Students
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There will also be shown the various pharmaceutical apparatus, including the spectroscope and other delicate pieces.

Many novel features have been arranged for the evening and the young pharmacists are giving all a hearty invitation to be present Pharmacy

night. They are confident that they can outdo the engineers in interesting the public. So then shall we not all wander over to their hangout at the appointed time and take a look at the scientific pharmacist engaged in his profession.

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