

## PROMINENT CHURCH WORKERS TO ATTEND LUTHERAN SESSION

OMAHA, Neb., July 1.—Many prominent workers of the Lutheran church are on the program for the thirtieth annual convention of the Walth League, which will be held here July 16 to 20.

It is expected that about 3,000 delegates and visitors will attend the convention, sessions of which will be held in the municipal auditorium. The opening services will be held on the afternoon of July 16, with Rev. P. G. Prokovic, of Chicago, assistant executive secretary of the league preaching the opening sermon.

A mass course of 300 singers from the Lutheran churches of Omaha will sing

under the direction of Prof. Theodor Aufemberger, of Omaha.

Among the principal speakers on the program are:

Prof. John Meyer, Lutheran Theological Seminary, Wauwatosa, Wis.; Theodore Lamprecht, of New York City, President of the Lutheran Layman's League; Rev. Ad. Haentschel, Lutheran Student's Missionary of the University of Wisconsin, of Madison, Wis.; Prof. T. A. Dau, Lutheran Concordia Seminary, St. Louis, Mo.; and Miss Anna Hoppe of St. Louis, Mo.

Inspirational Service

On the night of Wednesday, July 18, an inspirational service will be held in the interest of the foreign missions of the church. Rev. F. Brand, director of foreign missions of the church, who has just returned from an extended inspection trip in India and China where he spent the great part of last year, will deliver the principal address at this meeting. Other foreign mission workers also will speak.

A banquet will feature the program for the evening of July 17, at which prominent men from all parts of the country have been asked to speak.

Among features scheduled on the program are a parade of Walth League through the principal streets of Omaha, a frontier day celebration at Ak-Sar-Ben field, a picnic at Fairmount Park, Council Bluffs, Ia., and a sightseeing tour through Omaha.

The convention will adjourn Thursday afternoon, July 20.

## EATON CITIZENS KEEP BOOSTING THE FOURTH

EATON, Ohio, July 1.—Boosting Eaton's Fourth of July celebration, a long line of automobiles loaded with boosters completed a tour of Preble county Friday night, after having covered a part of the county Thursday night. A band had a prominent place in the procession.

Decoration of the business section for the celebration was started Friday with experts in charge. Arrangements for the celebration are receiving the final touches.

After a week of camp instruction at Camp Perry, Lake Erie, Capt. C. M. Karns, First Sergeant Russell Koppe, Mess Sergeant John G. Bender, Company Clerk Charles Johnstone and Cook Charles Oliver of Co. E, local branch of the 147th Infantry, arrived home Friday evening. The instruction was for commissioned and non-commissioned officers.

In a foreclosure of mortgage action brought in common pleas court by Daniel and Hannah Richards against John and Ella Wilson, John and Grace Lear and W. A. McClure, the court ordered the following payments from funds in the sheriff's hands: Court costs, \$118.26; taxes and penalties against realty, 255.43; W. A. McClure, \$2,701.90; Daniel and Hannah Richards, \$1,501.41.

## Masonic Calendar

Monday, July 3.—Richmond Com. mandary No. 8, K. T. Stated conclave.

Tuesday, July 4.—Richmond Lodge, No. 196, F. and A. M. Stated meeting.

## Paving of South Seventh Street Started Saturday

Paving of South Seventh street, which has been held up for many weeks because of the installation of an ornamental lighting system, was started Saturday. Machinery was moved in Friday after the light plant officials had announced that the cable was ready, and would be laid as rapidly as possible. The paving will follow after the cable has been laid.

### ELEPHANT BRAND

"He speaks of my alabaster brow. I don't understand him."

"He means your ivory dome, girlie."

Judge.

## U. S. AMBASSADOR HELPS WELCOME TAFT ON EX-PRESIDENT'S VISIT IN LONDON



Chief Justice Taft, left, and Ambassador Harvey, photographed in London.

Reports from London state that Chief Justice Taft of the U. S. Supreme court, former president, is receiving a royal welcome wherever he is entertained in London. The chief justice is in England studying court methods there in an effort to speed up court procedure in the U. S.

## A New Corn Cob Industry

By FREDERIC J. HASKIN

WASHINGTON, D. C., July 1.—Corn cobs have other uses other than as fodder and as raw material for the pen known as the barnyard meehaum, so dear to the hearts of smokers who pride themselves on being connoisseurs. Scientists in the Bureau of Chemistry in the Department of Agriculture who have been experimenting announced that they have produced several valuable by-products from the humble cob, and it is noted that their discoveries will be commercialized in the near future.

One of the possibilities of the new industry is a motor fuel supply—one of the things that the world needs almost as much as it needs the machines which the motors run.

Among the products which are now to be extracted from corn cobs are furfural, cob adhesive, acetate of lime and cellulose. The first named seems to be more uses than any of the others. Up to the present time, furfural has been a comparatively rare product and has been sold principally in small quantities for scientific purposes. The price is now about \$17 per pound.

Specialists of the Bureau of Chemistry say it can be manufactured from corn cobs at a cost of possibly 15 to 20 cents per pound. To produce something that is necessary is useful at one-eighthundredth of its cost may be set down as a real scientific achievement.

Scarcity and high costs heretofore restricted against the commercial use of furfural to any great extent, and its uses to which it can be put as yet are imperfectly known. However, it is a substance from which can be made a great many kinds of dyes, general paints and lacquers and a substitute for hard rubber, and the experimental work has progressed sufficiently far to indicate the possibility of developing a fuel for motors. Perhaps its most important use is chemical nomenclature, as an intermediate for dyes. A whole series of dyes may be prepared by interaction with various coal-tar products. Shaders covering a very wide range have already been made and tested by the government experts.

As a Substitute for Hard Rubber

Of its uses as a substitute for hard rubber Dr. W. W. Skinner, assistant of the Bureau of Chemistry, says: "The importance of furfural production on a large scale is apparent when it is realized that such widely used articles as printed plates, durable substitutes for electrophones—phonograph records, varnish, pipe stems, cigarette holders, electrical instrument parts formerly made of hard rubber, buttons, binders for books, glue, and a hundred other dried articles are now being manufactured from synthetic resin compounds. These compounds are made of furfural."

Since scientists discovered the secret of making synthetic resins about years ago this industry has had remarkable growth. The raw mate-

rials used are chiefly formaldehyde and phenol, or carbolic acid. These two compounds, chemically combined, condense as a solid which is highly valuable as the basis for making such articles as those enumerated by Dr. Skinner. Thorough tests have demonstrated furfural to be an excellent substitute for formaldehyde in this work.

Formaldehyde has its source in methanol, or wood alcohol, which is produced largely from the destructive distillation of hard woods such as birch, oak, maple and elm. Hence it is seen that the use of furfural becomes a measure of conservation.

Dr. Frederick R. La Forge, who, with Gerald H. Main, has been conducting the experiments in the Bureau of Chemistry, reports that he was able to run an automobile engine with furfural. However, because of its high boiling point it cannot be used with the type of carburetor suited to gasoline and there are some difficulties in the way of its development as a motor fuel that will be commercially valuable.

Two grades of adhesive are recovered from corn cobs, says the Bureau of Chemistry, says it can be manufactured from corn cobs at a cost of possibly 15 to 20 cents per pound.

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The residue after these substances have been recovered from the cobs is an almost pure cellulose which possesses very little fiber. It can be used in the manufacture of dynamite, and limonium, and in every line of work where wood flour is now used. It will be used also as a filler for many kinds of paper.

That the new corn cob industry may prove to be an important one is apparent as it is pointed out by the Department of Agriculture that the United States produces from 2,500,000,000 to 3,000,000,000 bushels of corn every year, which means from 18,000,000 to 20,000,000 tons of cobs. Not all the cobs are available for manufacturing purposes, of course, for a large percentage is scattered over the farms of the country or fed with the corn. Large quantities, however, are concentrated at central points and are easily available.

The plant which is now being projected will operate on a basis of 100 tons a day. Three shovels will supply 24,000 tons of cobs a year. Such a plant, it is estimated, would recover about a ton and a half of furfural a day as a by-product, and a considerably larger quantity can be obtained from the cob adhesive by a comparatively simple process. This adhesive, as has been stated, is produced in the first grade in quantities equal to 45 per cent of the weight of the cobs.

The method of producing the furfural is anything but complicated. The corn cobs, with some water, are placed in a cylinder or pressure cooker and steam at about 155 pounds pressure is turned in. After cooking about two hours the furfural comes out of the cobs and is blown off with steam, passed through a condenser and collected as solution of furfural in water. This solution is then distilled in a special apparatus for the separation of the furfural from the water.

Coincident with this new discovery the Department of Agriculture states that the yield of corn acre in this country could be doubled within a few years, and this could be accomplished without additional work or expense.

It is not to be understood that it is desirable to double the present corn crop, but that it is desirable to produce enough to meet all requirements on a smaller number of acres and with less labor. If 60 bushels are raised on one acre instead of on two, the labor of plowing, harrowing, planting, cultivating and harvesting is greatly reduced.

Corn suggests hogs and the development of by-products recalls the saying that in modern packing establishments the only thing about the pig that is not saved and utilized is his squeal. One of these days Government specialists may tackle that problem and solve it.

**NAVY SCRAPPING BILL GOES THROUGH SENATE**

WASHINGTON, July 1.—The Senate late Friday passed the navy scrapping bill providing for American observance of the arms conference treaty in reducing capital ships. Minor Senate amendments sent the house bill to conference.

**RAISES WAGES 10 PER CENT**

SOUTHBURY, Mass., July 1.—Notice was posted today in the mills of the Hamilton Woolen company that, beginning July 10, the pay of all the employees would be increased 10 per cent.

**A GOOD THING TO KNOW**

Foley Cathartic Tablets are a genuinely wholesome physician's ideal laxative. They keep the system fit and free of poisons and body wastes. They are the only thing about the pig that is not saved and utilized.

One of these days Government specialists may tackle that problem and solve it.

**BRICKER'S GARAGE**

44 W. 7th St.

Phone 2397

Sample Pack Free by Mail. Address: "Cuticura Laboratories, Dept. 247, Malden 48, Mass." Sold everywhere. Soap. Ointment 25 and 50c. Talcum 25c. Cuticura Soap shaves without mug.

Daily use of the Soap keeps the skin fresh and clear, while touches of the Ointment now and then prevent little skin troubles becoming serious. Do not fail to include the exquisitely scented Cuticura Talcum in your toilet preparations.

**PAIGE**

During the first six months of this year, the Paige-Detroit Motor Car Company manufactured and sold fifty per cent more automobiles than were produced during the entire year of 1921.

There could be no more substantial tribute to the worth and outstanding value of the Paige and the Jewett. Such a sales record proves conclusively that these two great motor cars have been accepted as leaders in their respective fields.

Richmond Motor Sales Co.

Twelfth and North E. Phones 1494-6075

WAYNE MCG., Mgr.

PAIGE JEWETT

## Concrete Has a Thousand Uses

This artificial rock can be turned to innumerable uses about the home or farm.

Cellar floors, porch piers, fence posts, flower boxes, garages, benches, walks, steps and many other home and farm uses for concrete are possible to anyone.

The services of a builder are not necessary. A novice can make a good job of concrete construction with simple instruction.

You can obtain these directions entirely free. Our Washington Information Bureau will secure for you a copy of the booklet "How to Make Concrete and How to Use It." Merely fill out and mail the coupon below, enclosing two cents in stamps for return postage. Write your name and address clearly on the lines.

(Do not send the coupon to The Palladium. Mail it direct to Washington, D. C.)

Frederick J. Haskin, Director, THE RICHMOND PALLADIUM Information Bureau, Washington, D. C.

I enclose herewith two cents in stamps for return postage on a free copy of the Concrete Booklet.

Name.....

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City.....

State.....

## JAIL EX-PARSON WED FOUR TIMES

Boys' Camp at Rushville

To Open Monday, July 17

RUSHVILLE, Ind., July 1.—The boys' summer camp for Rushville, will be opened Monday, July 17, it was announced today. The camp will be continued for 10 days or two weeks, with provisions for a girl's camp after that.

LEADS FROM SECOND STORY IN ESCAPE FROM OFFICERS

ANDERSON, Ind., July 1.—Wanted on a charge of having stolen an automobile owned by Dr. J. C. Quick, mayor of Muncie, Vaughn Harvey 24 years old, made a sensational escape from police last night by jumping from the second story window of his home here. Officials located Harvey after word was received from Muncie and went to his home. While officers were at the door, Harvey leaped from his bedroom in the second story of the residence.

Donald D. Stewart, unfrocked Oakland minister, reformer and author of a temperance war song, "We'll Make California Dry," is in jail on charges of bigamy. He is charged with having four wives. He denies it.

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members of the county council themselves play tennis on Sunday, they prohibit others from doing so in the public parks. Thousands of young men and women who would have played, but for the county council kill-joy ban, dawdled around, doing nothing.

**Dislike Sunday Ban**