

## 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 Waltham 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 at the afternoon of July 16, with Rev. P. G. Prokopy, of Chicago, assistant executive secretary of the league, preaching the opening sermon.

Among the principal speakers of the program are: Prof. John Meyer, Lutheran Theological Seminary, Wauwatosa, Wis.; Theodore Lamprecht, of New York City, president of the Lutheran Laymen's League; Rev. Ad. Haenschel, 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.

On the night of Wednesday, July 13, an inspirational service will be held in the interest of the foreign missions of the church. Rev. P. 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 greater 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 Waltham Leaguers 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.

Decorations 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 Silver 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, \$285.43; W. A. McClure, \$2,701.90; Daniel and Hannah Richards, \$1,501.41.

## Masonic Calendar

Monday, July 3.—Richmond Commandery No. 8, K. T. Stated convocation.

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 been used for other than as a fodder and as raw material for the paper known as the barnyard muck, so close to the hearts of farmers who prize themselves on being corn cobs. Scientists in the Bureau of Chemistry in the Department of Agriculture who have been experimenting announce that they have produced several valuable by-products from the humble cob, and it is expected 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 being extracted from corn cobs are furfural, cob adhesive, acetate of lime and cellulose. The first named seems to be more useful 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 \$175 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 and useful at one-eighth of its present cost may be set down as a real scientific achievement.

Scarcity and high costs heretofore retarded against the commercial use of furfural to any great extent, and it is to which it can be put as yet, 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 of various coal-tar products. Shades varying a very wide range have already been made and tested by the government experts.

As a Substitute for Hard Rubber or its uses as a substitute for hard rubber Dr. W. W. Skinner, assistant chief 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—light, durable substitutes for electrotype—phonograph records, varnish-pipe stems, cigarette holders, electrical instrument parts formerly made of hard rubber, buttons, binders for books, glue, and a hundred other 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 10 years ago this industry has had remarkable growth. The raw material used are chiefly formaldehyde, 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's announcement. The first and more valuable one amounts to about 45 per cent of the weight of the cobs. One of the chief uses now contemplated for it is as a substitute for silicate of soda in the manufacture of fiber container and wall board, as it is both a cheaper and a better material than silicate of soda. The cob adhesive has been tested under mild conditions and found suitable in every way. Other uses to which the adhesive may be put are labeling of containers and manufacturing of coarse envelopes and paper bags. It has also been tested with successful results as a sizing for walls and for the manufacture of paper-coated pasteboard.

The second adhesive is of a lower grade and can be used only for such purposes as foundry cores and as a binder for the coal-dust fuel known as briquette.

In the process of extracting the ad-

hesive a considerable quantity of acid is liberated. It passes off with the vapor, is condensed and recovered as acetate of lime. At present, the acetate of lime from which by far the greater part of commercial acetic acid is made, is obtained by distilling wood and is very impure. The acetate of lime obtained from corn cobs is almost chemically pure.

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 linoleum, 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 shellers 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 135 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 a 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 per 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  
SOUTHBRIDGE, 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 physic—an ideal laxative. They keep the system fit and fine, purged of poisons and ready to resist. J. H. Hunter, 1260 Steadman St., N. S., Pittsburg, Pa., writes: "I cannot praise Foley Cathartic Tablets too highly for what they have done for me. They banish biliousness, bloating, gas, headache, sour stomach and other ills caused by indigestion. Make fat people feel lighter and freer. A. C. Lusk, Drug Co., 626-628 Main."

## Concrete Has a Thousand Uses

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

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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.

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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.

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## ADVOCATING RIGHT TO PLAY ON SUNDAY

(By Associated Press)

LONDON, July 1.—Many people are demanding that the London county council allow the playing of cricket, tennis and other games in the parks on Sundays. The movement has the support of most of the newspapers, and not a few of the clergy. They say if people go to church in the morning they ought to be allowed to play games in the afternoon.

"London spent yesterday out of doors," says the Daily Chronicle. "It was a perfect Sunday for games. Every private cricket ground, bowling green and tennis ground was occupied. The only ground where tennis was forbidden were those controlled by the London county council. While

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.  
It is the same with cricket. The thousands of pitches controlled by the county council are not allowed to be used on Sunday, and boys were standing about smoking cigarettes who would have been playing games but for the Sabbatarian fetish. No games on Sundays. There is a growing storm of public anger at this prohibition of Sunday games."

"I shall certainly see the triumph of this movement for Sunday games," says a reformer who is behind the movement. "In England every Briton has the right to get drunk, if he wants to, between certain hours on Sunday. It is absurd to permit a ban to get drunk on Sunday, but prohibit him from playing games in the public parks on Sunday. A man can not get drunk while playing games. Therefore I am for games on Sunday, if only in the interest of temperance."

Lovely Healthy Skin Kept So By Cuticura

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.

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

Advertisement.

## JAIL EX-PARSON WED FOUR TIMES



Donald D. Stewart.

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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## 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.

## LEAPS 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.

## Palace Royal

"Richmond's Daylight Store"

Silk Pongee

## Lingerie

Exceptionally smart is the new Silk Pongee Underwear for summer wear. Lovely quality in Step-ins, Combination Suits, Bloomers and Vests.

Also charming garments of Van Raaite and Phoenix quality in the season's newest shades. A fine Vest as low as—

\$1.98

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More Mileage, Less Trouble, Reduced Tire Cost  
Plenty of Kelly-Springfield users in this locality will back us up in this statement. Now we will offer you a better bargain than ever before. A 20% discount on Ford sizes, 30x3 1/2, fabrics only, for one week, beginning Saturday, July 1st to 8th.

## BRICKER'S GARAGE

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## NOTICE!

We wish to take this opportunity to announce to our patrons and the public that Mr. Conrad Ottenfeld and Mr. Fred Menke have been appointed our city salesmen and will represent us.

The unsettled conditions of the mining industry at the present time prompt us to advise you to buy your coal at the EARLIEST opportunity.

It is the desire of our representatives to interview all our patrons personally, but our office will at all times cheerfully give you any information or quotations you may desire.

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## 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.

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WAYNE MULL, Mgr.

## JEWETT

WHEN you are longer with them you still want your family to have the benefit of your precision and guidance.

Your will and a corporate executor will accomplish this for you.

The facilities of this institution are at your disposal.

## First National Bank

Southwest Corner Ninth and Main