

SUCH IS LIFE—Sounds Fishy



24,000 Years' Auto Fuel Available, Experts Say

Experts Remove Big Cause for Motorists' Worry.

Washington, D. C.—If you have been losing any sleep over the probability that America's oil supply would be exhausted within fifteen years, you can relax now.

Dr. Gustav Egloff and J. C. Morrell, Chicago research workers, have looked over the situation and find it not exactly rosy, but satisfactory. Experts have estimated that there is enough oil in proven fields to last for fifteen years if recovered by present methods. However, new methods are being developed which will make it possible to obtain oil for the next 100 years.

Besides, there are new fields being discovered. In the future this quest for oil fields will go forward on a more scientific basis.

Oil Irreplaceable.

Regardless of these new discoveries, all must recognize that oil is irreplaceable, our fastest vanishing resource and will be exhausted eventually. Thus it falls to the chemist to assure the world of its future supply of motor oil, the Chicago pair believe.

Natural gas is one of large potential sources of motor fuel which

may be tapped by means of chemical reactions. Chemists estimated there is 1,600,000,000,000 cubic feet of natural gas in the United States. Some of this will be consumed as the crude oil is recovered from the earth and so even this supply is not sufficient.

Coal, it is believed, will be the greatest source of motor fuel once the oil fields are dry.

Let us look at the earth's coal resources. There are 7,400,000,000,000 tons in the world's estimated reserves, which at the present rate of consumption will last for at least 6,000 years if burned in solid form. But if converted into motor fuel by present known methods, this supply of coal would make enough for 24,000 years.

More Expensive.

Chemists admit that it will cost more to recover gasoline from coal than from crude oil. But that is one of the things that future generations will have to do to pay for the current reckless expenditure of natural oil resources.

In the future, chemists will be able to produce from coal almost any desired hydrocarbon product or derivative which is now refined from petroleum. By the use of catalytic reactions, chemists already have laid the foundations for the production of explosives, dyes, drugs and medicines which are now produced only as coal tar derivatives.

THE FAITH WE LIVE BY

By LEONARD A. BARRETT



The greater portion of business is transacted on credit. Credit is only another word for faith; faith in the ability of the creditor to pay, or faith in the stability of collateral offered as security for a loan. Remove faith from the business world and we have bankruptcy. Business lives by faith not only in the economic value of material

things but also in the trustworthiness of character. A large banking house in testifying before a senate committee, frankly stated that character is the most valuable form of security. Man's faith in his fellow man is absolutely essential to the progress of any social movement or

WINS HIGH JUMP



Margaret Bergmann, European record holder—5 feet, 3 inches—and German member of the Park Central A. C., is pictured as she soared over the high jump bar to win the event at the women's national A. A. U. track and field championships at Trenton, N. J. Five feet was the winning height.

the success of any business concern. We live by faith in one another.

We live physically by faith in the reliability of laws which, though not seen, have proved themselves in time - tested manifestations. The farmer has no assurance of a harvest other than his faith in nature's usual and normal response to seed time and harvest and to the steady law of increase in generous measure. The crop may fail because of drouth or other unforeseen calamity, but faith bridges these possibilities and trusts "the larger hope."

Faith is a more potent force in our daily life than we realize. All our created comforts depend upon it. We enjoy a comfortable night's sleep in a Pullman car because we have faith in those who manipulate the railway system. Our restoration to health depends largely upon our faith in those who minister to us during an illness. We enjoy our meals because we have faith in those who prepared them. We go to sleep at night with the assurance of the light that cometh in the morning. The faith by which we live is always the "evidence of things unseen." We unquestionably trust the laws of the cosmic world.

That rare art of friendship is wholly a matter of faith. The moment we doubt the sincerity or integrity of a friend there is a rift in the clouds. Faith makes homes secure. Faith clears the way through many storms. When we feel something alien moving about in the closets of the heart, faith gives us the courage to face the intruder with the searchlight turned fearlessly upon the hidden self. "Well roars the storm to those who hear a deeper voice across the storm."

Faith must be real and not sham nor pretense. Faith is not trying to believe something you doubt is true; but it is full surrender to the time-tested reactions of all those forces upon which life depends. The most important forces are those within our own personality. The Greeks had the motto: "Know thyself." To that idea we might add the thought: Believe in yourself. Every man knows himself better than anyone else knows him. But many men try to escape

By CHARLES SUGHROE

Household Hints
By BETTY WELLS

THE lady who lives cata-corner across the street from us is an artist at cooking. Especially is she proud of her shining rows of preserves and jellies and so she's recently fixed over her pantry to do them justice. "I don't see why a pantry shouldn't be worth showing off. After all it's a lot more interesting than a linen closet and we go to all sorts of fuss and feathers to floss it up."

There's something to that idea. And she has carried it out delightfully. First she had her old everyday shelves torn out and replaced on the long side of the pantry with new shelves built brick wise, as the Chinese build shelves to make them more interesting. The short wall of the pantry she had filled with drawers. (All this would have been expensive carpentry work if she hadn't gotten hold of a manual training neighbor boy to do the work.) She painted the walls of the pantry in white and the shelves and drawers in mandarin red.

For the floor she had a black marbled linoleum put in and on the blank wall alongside of the door she hung a framed chart outlining her basic canning recipes—some old standbys handed down from her mother, others copied from here and there and still others originated by her own experiments. On the inside of the door she lettered in black a table of standard weights and measures along with a chart of the vitamins. No wonder she's proud to throw open her pantry door whenever she has an interested visitor!

Here's a tip we carried away—soup jelly . . . maybe you've been making it all your life but we hadn't. She gets a large pot of soup bone (preferably the bone just below the knee because it has the best marrow) and boils it in her big sixteen quart kettle till it's at the stage it will jell. Then she seals it in jelly glasses and has fresh soup stock on the spur of the minute. Needless to say she has loads of good soup recipes all as different as anything and each good for a whole meal in itself.

The Hoarding Instinct.

We rejoice in our attic and cellar because we have a very bad hoarding instinct. It really pains us to throw anything away, even an old newspaper, for fear it will come in handy some day. And once in a while it does.

But on general principles we disapprove of hoarding. Especially when there's no attic or cellar available to take the gaff . . . even when there is, think of how much better use the space could be put to.

But the commonest fault of most rooms we see here and there is not a lack but a surplus of things. And the first gesture that a good decorator usually makes is to eliminate rather than add to the furnishings of a room. That's something to think about in planning changes. It means generally a program of replacing instead of acquiring at random.

So before you covet the next pretty thing you see, apply this test to the room on your mind: Move everything out that isn't actually used. Be very ruthless about it, even in-

themselves by believing they are the man someone thinks them to be. Faith in yourself comes with the courage to face yourself alone. Blessed is the man who in the secret of his own heart can still respect and still reverent himself. © Western Newspaper Union.

cluding all pictures and purely decorative ornaments. Now study the effect and do a bit of rearranging in order to get the best usefulness as well as the most charm out of the necessary elements. This means that sofa and easy chairs be in conversational reach of each other and so they don't block natural pathways through the room; that side chairs be adjacent to the furniture they'll be used with such as tables or desk; that occasional tables be adjacent to easy chairs for lamps, books and smoking things; that chests have sufficient wall space so



How's Your Hoarding Instinct?

that they don't seem crowded; that mirrors are placed right for light and ditto for desks; that the radio has a pull-up chair beside it.

Then you can return only the pictures, ornaments and accessories that really add distinction to the room. You'll find that will probably be considerably fewer than you had before. Next decide which of the necessary things left in the room you just plain don't like and make a five-years' plan for replacing them. © By Betty Wells.—WNU Service.

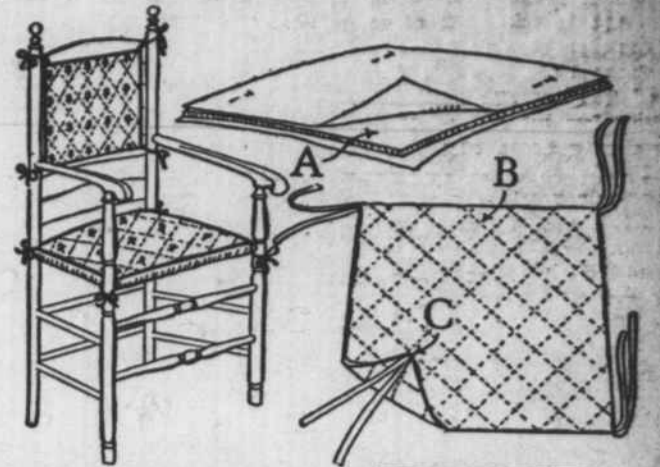
OUCH!!



David C. Kaufman, a carpenter of Philadelphia who, as a side line, makes paddles for use on freshmen during fraternity initiations at the University of Pennsylvania. He has made over 10,000 of them. The regulation size weapon is 30 inches by 4 inches, and it is made of maple, ash, white pine and oak wood. Naturally, the freshmen love him. "Sometimes the freshmen are sent to get their own paddles," he says. "They ask me if I can make especially soft ones. I can't do it, I tell them. Best thing is to put shingles where you are going to get hit." He is shown here holding different size paddles. He will paint them any color with fraternity names on them.

HOW TO SEW

by Ruth Wyeth Spears

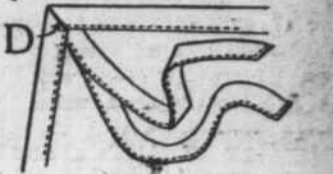


There May Be Many Reasons for Making Quilted Chair Pads.

IF ALL the reasons for quilted chair pads were lined up in order of their importance the most intangible reason of all might head the list. Yes, it is quite likely that any decorator, amateur or professional would place atmosphere at the top. But then it is also possible that first rating might be given to the reason that the pressure of slats across the backs of chairs is softened by quilted pads. Then, though it might not be mentioned, it is a known fact that worn out cane seats are sometimes replaced with inexpensive composition seats which may be disguised by gay quilted pads.

Chintz, calico or gingham chair pads are in fact one of the simplest and most inexpensive ways of adding color and charm as well as comfort to a room. Such pads are often used on the backs of chairs and not on the seats, and especially for side chairs, the seat pads used without any back covering. In making such small things as these it is quite easy to do the quilting on the machine. Or, if you wish to take the other point of view about it, the work of quilting them by hand would not consume an unreasonable amount of time. There is no doubt that handwork has a certain quaintness that machine work lacks.

The pads shown here are made with one layer of sheet wadding between the two layers of the chintz. The edge bindings and ties are made of bias tape. Cut the three layers of the pad material exactly the size and shape you want them to be when finished. Place the sheet wadding between the two layers of covering material as shown here at A. Either



pin or baste in this position, and then quilt, either by hand or by machine, as is shown here at B. Make the ties by stitching the lengthwise edges of the bias tape together, and then tack them to the corners of the pad as at C before it is bound. Now, bind the edges, sewing the ties right in with the binding as shown here at D.

Every Homemaker should have a copy of Mrs. Spears' new book, SEWING. Forty-eight pages of step-by-step directions for making slipcovers and dressing tables; restoring and upholstering chairs, couches; making curtains for every type of room and purpose. Making lampshades, rugs, ottomans and other useful articles for the home. Readers wishing a copy should send name and address, enclosing 25 cents, to Mrs. Spears, 210 South Desplaines St., Chicago, Illinois.

Favorite Recipe of the Week

Dinner-in-a-Pie

1 veal kidney 2 small carrots
1 cup pearl onions 1 cup tomato soup
4 small white turnips 1/2 cup liquid or
2 1/2 cups cooked gravy
meat, diced 1/2 cup peas

Trim and dice kidney. Prepare onions, turnips, carrots. Cook kidney and vegetables 10 minutes in boiling salted water. Drain, saving 1/2 cup liquid to thin soup. FILL baking dish (1 1/2 quart) with meat and vegetables. Add pepper and salt. Add tomato soup and 1/2 cup liquid. Cover with your favorite pie crust.

Friendly Talk

BUT after all, the very best thing in good talk and the thing that helps it most is friendship. How it dissolves the barriers that divide us, and loosens all constraint—this feeling that we understand and trust each other, and wish each other heartily well! Everything into which it really comes is good. It transforms letter-writing from a task into a pleasure. It makes music a thousand times more sweet. The people who play and sing not at us, but to us—how delightful it is to listen to them!

Yes, there is a talkability that can express itself even without words. There is an exchange of thought and feeling which is happy alike in speech and in silence. It is quietness pervaded with friendship.—Van Dyke.

LIGHT THE NIGHT

with a Coleman LANTERN



Light up your Coleman and get the best light for every size-dark. The Coleman light has't a chance against this lantern! It "knocks out" darkness with its flood of powerful brilliance. Just the light for every size-dark job around farm, garage, shop. Fine for night hunting, fishing and camping.

The Coleman lights instantly. Protect globe protects mantle. Wind, rain or snow can't get it out. Strongly built for years of service. Easy to operate. Gasoline and kerosene models to fit every need and purse. See them at your dealer's.

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CHEW LONG BILL NAVY TOBACCO 5¢ FLOOR

LIFE'S LIKE THAT By Fred Neher



"The charge is taxidermy, yer honor . . . he was stuffing ballot boxes!"

FOR EVENING WEAR



The new uneven hemline being shown in Paris for fall evening wear is well illustrated in this beautiful gown of black and white celanese satin. The skirt is very fully pleated, and the square-necked blouse is fastened low on the waistline with a huge black jet buckle.

AMAZE A MINUTE
SCIENTIFACTS ~ BY ARNOLD

NEGRO INCREASE-

IN THE PAST 10 YEARS, U.S. NEGRO POPULATION INCREASED 63% IN NORTHERN STATES, 53% IN THE WEST, AND ONLY 5% IN THE SOUTH.



DAYS OF ILLNESS-

THE 36,000,000 WAGE EARNERS OF THE U.S. ARE ABSENT FROM WORK 25,000,000 WORKING DAYS PER YEAR DUE TO ILLNESS.



SIAMESE FIGHTING FISH

THE FAMOUS SIAMESE FIGHTING FISH, DULL GREY-BROWN IN COLOR, TURN BRILLIANT RED AND GREEN WHEN EXCITED, AS BEFORE A FIGHT.



Wing Spread of African Vulture



Keepers Pat and Mike Donahue lend a hand to illustrate the wing-spread of an African eared vulture. They are shown during the annual cleaning operations at the Philadelphia zoo.