## Live Germs Found Millions Years Old

in Egyptian tombs thousands of years Not only can one get the garden off ago, and yet able to sprout and grow to a much earlier start in this way when planted, are now disbelieved by but one can also grow those tender scientists.

They are pure fable, we are told. And yet a geologist now comes for- window box or hanging basket are ward with a far more marvelous tale also produced from seed planted in--that of living germs shut up in | doors. Such flowers as Cosmos. rocks for millions of years.

of "spores," where they are protect- thing except Popples, which do not ed by hard, impervious cases. These replant very readily, may be started have acted, not as coffins, but rather under glass in March or April and as cradles. Says a writer in Current will actually benefit from being Science (Columbus, Ohio):-

form of life-even the most simple- Tomatoes, Cabbage, Head Lettuce, into consideration by the gardener, could endure for centuries or even Cucumbers, Melons and even a few of one's whole season's work depends millenniums. A biologist, Dr. Charles the earlier Beets, Carrots and Corn absolutely on the quality of the seed B. Lipman, of the University of Call- can be started indoors from two to used. Generally speaking, there is fornia, seems to have discovered liv- six weeks ahead of the time they but one opportunity to plant during ing things that were born more than would be planted outside. Select the season and if poor seed is used a million years ago.

plest type. They seem to be little age, and fill with sand and loam. If equipment and fertilizer will be lost, more than tiny lumps of photoplasm. such material is not on hand often as well as the pleasure of growing Nothing could be tenderer, it would the nearest greenhouse man will sup- beautiful flowers and the satisfacseem, than a pinpoint of jelly such as ply some. Moisten the earth and tion of producing high quality fresh a germ. Most of them are easily then mark off the rows for the seed vegetables if good seed which is killed, too, by heating, drying, ex- about an inch apart. Sow and then the foundation of all this, is lacking. posure to the sunlight, or contact with cover the box with a piece of sack- It is essential to use good seed and certain chemicals. Certain germs, ing or burlap which hastens germin- suited to Ontario conditions. ing, light, and chemical germicides.

themselves.

them again to boiling, and of course the unprotected germs are killed. Experience has shown that some of the .spore germs are wiser (or is it that than others, and they do not come

"On the third day another boiling executes them all.

"IDr. iLipman has tested; a number of examples of rocks by a method that prevents moder .: germs .from getting into his apparatus. The outside portions of the rack are broken away, and sterile (germ-free) water allowed plants are set in their permanent to flow upon rock surfaces never before exposed to the air. This water then runs upon a nourishing jelly (called 'agaragar' by the bacteriologist); the spores will soften under ferent attitude entirely with regard these favorable conditions, and - if to the rows than was the case with alive-will develop new germs in great | the vegetables. In very few cases numbers.

have come from those laid down in be produced where groups of ten the very early ages of the earth's geo- plants of one variety are placed tological history. Some are from the Algonkian rocks of Canada, which are right down next to the volcanic rocks that poured out upon the surface of the planet earth before it was cool and solid. Others have come from the same geological horizon (rock level) that outcrops near the bottom of the Grand Canyon of the Colorado. These rocks are inconceivably old!

"In certain lumps of coal, secured from widely separated places as Pennsylvania and Wales, spores have al- No snow on the BOARDWALK so been found. Coal was laid down in the Carboniferous period of earth's history—a sort of middle age of geology. Then in some fairly recent docks (as time passes in geology) of the Plicene time, laid down when mammoths probably walked the earth, more germs have been found."

#### North Africa Tries Out Citrus Fruits

Paris-France is actively encouraging landholders of Morocco, Algeria and Tunisla in the production of citrus fruits, with the expectation of making another California of her north African possessions.

Algeria was first of the French possessions to plant citrus fruits, but Tunisia and Morocco to a great extent have overcome this advantage by adopting American methods, employing American horticulturists and planting American trees.

Tunisia has brought from California Prof. R. W. Hodgson of Berkeley, well known horticulturist, for a year's work, and Morocco recently sent an agricultural and engineering mission to the United States to study American irrigation and orchard methods. The delegation brought back a mass of information which now is being put into use in - southern Morocco.

## 3660 Ways of Serving

The Ever Edible Egg Fried, boiled, and poached are the three ways eggs are most familiar to the average individual. . But these are only three of the more than three thousand ways in which a famous chef asserts eggs are served.

In a northern climate an egg eaten in the winter time has greater food values than one eaten in the summer time. The present price of eggs, the lowest in years, is having the effect of increasing the popularity of eggs .- Dominion Department of Agriculture.

History repeats itself, but it hasn't anything on small-town gossip.

## Garden Talks

It will soon be time to start think-Steries of "mummy wheat" shut up ing of getting seed sown indoors plants for which our season normal ly is too short. Supplies for the Marigolds, Zinnias, Petunias, Foliage The germ, he says, are in the stage Plants and in fact practically every "It is almost unthinkable that any they are placed in their location. ance and is the smallest item taken

"Next day the cruel canner puts fresh horse manure at least eighteen more is ample testimony of the suitinches deep. The nanure should ability of their selections. be allowd to heat up and cool down again before planting. Have the bed face the south with the glass they are slower and more stupid) sloping a few inches in the same direction so that rain will run off from their shells until the second boil- and the sun's rays may be caught more fully. Water very sparingly in cold weather and then only on bright days. Ventilate a little by raising the sash and keep this open longer as the weather gets warm. Transplant at least once to a cold frame, that is a glass protected bed without horse manure, before the

location outside. Planning the Flower GaGrden When we come to planning the flower garden, we must adopt a difis anything but clump planting ad-'The rocks tested by Dr. Lipman visable. A much better show can



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T. E. ANDOW, Mgr. H. BRADFORD RICHMOND, gether with the smaller sorts, such as Alyssum, Calendulas and similar things at the front, with Hollyhocks, Dahlias, Cosmos, Marigolds and the large Zinnias at the rear. One must guard against clashing colors and also against blind spots. That is, there should be something blooming at all times. In the catalogues will be found listed the different colors, the heights of the plants, and the season of blooming, so that there will be no trouble in laying out our garden well in advance of planting and if we take a little time with our pencil and paper we should have continuous and pleasing bloom from late Spring until frost.

Although the cost of flower or moved around a few times before vegetable seed is of minor importa box a couple of inches deep with results are certain to be disappoint-"Germs are plants of the very sim- holes bored in the bottom for drain- ing. The cost of the land, labor,

however, are able to don an overcoat ation and will also prevent the seeds certain rose or a very fine Corn, for and defy the most unfavorable sur- from being washed out when water- instance, may give wenderful results roundings. In this form they are ed. Get the plants started in a down in Virginia where the climate called spores, and because of their warm, dark cellar and after they is much milder or in England where move covering and place in full sun- the same variety, if used here, will prize and third prize for hard winter causing wheat grains of the time of mental capacity. tough covering they resist boiling, dry- have pushed up through the soil re- there is little trouble with frost but "A clever trick has to be played on light about a foot away from the not do well. Because of this un- wheat, demonstrating thereby that he King Tut-Ankh-Amen to sprout and The unmistakable tendency of the spores when one wishes to destroy window if it is single or closer if alterable condition the gardener is has moved the winter wheat line 700 will return the compliment by plant- jaw and of the facial portion of the them, as in the canning of vegetables. a double sash has been provided. well advised to obtain his supply of miles to the north. At the Royal ing some of his choice seeds in Egypt skull to recede under the brain pan The vegetables-string beans, for ex- Make sure that your plants are pro- seed and plants from those sources ample-are boiled vigorously one day, tected on nights when the tempera-, which cater to Ontario gardens. the spores survive, believe that the ture hreatens to drop to zero. If Naturally, the seedsmen in the provworst is over, and turn to germs dur- a large quantity of plants are desired ince select their supplies to suit our ing the night by shedding their crusts it will be necessary to provide a climate and conditions, and the fact: In the water that soaks the beans and hot bed. This is simply a glass that most of our seed houses have protected bed placed on a pile of been in business for a generation or put the dollar in the bank, in turn



"When I was in the war I had a horse shot under me."

"Was it in the night?" "What do you mean?" "I thought it might be a nightmare."

A man named Dodgin was recently appointed foreman, but his name was not known to all the men under him. One day he ran across two men smoking in a corner. "Who are you?" asked one of them. "I'm Dodgin, the commands it. new foreman," he replied. "So are we. Sit down and have a smoke."

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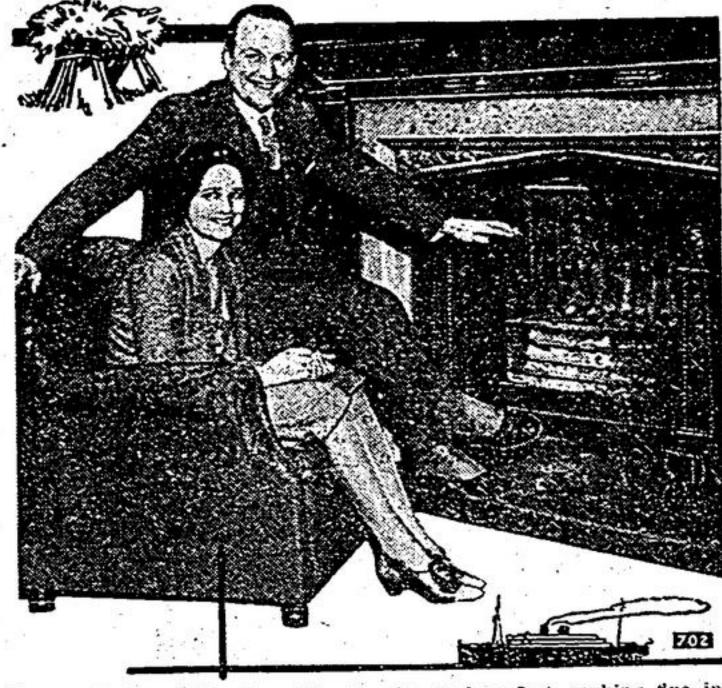
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### World Wheat King Off On Trip



Herman Trelle, of Wembley, Alberta, also took a first, making five in all, gether be taken as proof that the world wheat king who won five prizes The trip was presented to Mr. and mental capacity of the male was just at Chicago and Toronto last Fall, is Mrs. Trelle by E. W. Beatty, chairman that much greater than that of the here shown with Mrs. Trelle aboard Railway, in appreciation of his great were to a certain extent proportional Canadian Pacific liner Empress of work for Canadian agriculture, and for to the size of the person to which France just before sailing from New his demonstration that the Peace they belonged. He pointed out that York, February 3, on a 73-day Mediter- River country is one of the finest the brain of the elephant and of the ranean cruise. At the International grain-growing regions on the contin- whale were larger than that of a Livestock Show at Chicago he took ent. When he reaches Egypt, Mr. man, but that this could scarcely be two grand championships and one first Trelle will try out the possibilities of taken as proof that they had greater

## Owl Laffs

A boy earned his first dollar. He charged a quart of ice cream, some soda, and candy to his dad at the That low is the rank of the poet who drug store.

Assistant-Have you no account with this store, maam?

Customer-No, but maybe I can arrange matters with your manager. Assistant (to manager)-A lady of no account to see you, sir.

A girl's complexion doesn't always taste as good as it looks.

Father (after son had taken enormous bite)-Another bite like that I sat by the side of that old poet, city of the skull's late owner. It is and you'll leave the table. Son-Another bite like that and I'll

be through. Life would be pleasanter for all of us if we didn't have to take sides

in so many other peoples' rows.

. . . and Henpeck's inner thoughts at that moment probably were: "Its a great wife if she don't waken."

Mrs. Perkinson-Who's that impressive-looking woman over yonder? Mr. Pennington-That's Mrs. Illington. She's a very remarkable woman, and they say she commands Below in the village a church-bell was wire the salient, features of their a very large salary.

Mrs. Perkinson-How does she it. Her husband earns it, and she

Then there is the Scotchman who The Winds and the Trees fell to talkook out fire insurance on his cigars. Just remember this: The poorhouses are chuck full of fellows who thought success was in a distant city and who never looked for it around home. . . Nobody can fight like a coward cornered. . . You might get a better bargain by leading in- So rhythm I hail it, though critics stead of driving it. . . From the late hours some young men keep you'd think they were training to be night watchmen. . . Sometimes a man gets a reputation for being big-hearted when he is just soft-hearted and allows himself imposed on. . . And you may have noticed that the footprints a man leaves behind him on the

sands of time are not made with his

PEOPLE WE PREFER TO DODGE: Book agents. Distant relatives, with luggage. Busybodies. Patronizing plutocrats. The gossipy women. Gypsies. Insurance salesmen. Automobile salesmen. Tax collectors.

A modern home today, is one where the two necessities of life are the bread and the Putter.

Suspicious Wife-Where have you been all evening? Husband-I've been talking busi-

ness with Tom Baker. Wife-Yes! And I suppose that is baking powder sprinkled all over your shoulder?

with the miniature salary. THE WAY IT USUALLY HAPPENS

The miniature golf may just fit in

He fell for her, a charming miss, So lovely and petite; And, since he fell, we've noticed

He can't get on his feet.

. How unfortunate that the only people who know how to run the world become authors instead of statesmen. -Richmond News-Leader.

#### Rhythm

They tell me new methods now gov ern the Muses. The modes of expression have changed with the times;

The old-fashioned verse with intentional rhymes.

the clear ring of it. Oh! the great pulse of it, right from areas to which the muscles are at the heart.

Art or no art.

on the rocks: The tide lilted in with a rhythmical ed by scientists.

motion; The sea gulls dipped downward in time-keeping flocks.

watched while a giant wave gathered its forces, pice burst;

And I knew as I counted, while other Branch of the Dominion Department waves mounted,

with the first.

bird sang:

sounds were rhyming, As out o'cr the hill-tops they echoed and rang.

ing together: And nothing they said was didactic

o terse; But everything spoken was told in un-

And beautiful rhyming and rhythmical ; erse.

assail it, And hold melting rhymes as an insult :) art,

For oh! the sweet swing of it, oh! the dear ring of it, Oh! the strong pulse of it, right from the heart,

Art or no art. -Ella Wheeler Wilcox. Originally printed : 1 Lippincott's Magazine.

"These rugs are the finest obtainable. In material and workmanship they are superior to all other brands on the market. There is absolutely nothing to touch them at the price." "What is the price?" the customer inquired. "Just a moment, madam, and I'll find out for you," said the salesman.

The Irishman had been having a great argument and meant to finish off his opponent once and for all. "The sooner I never see your face again," he said, "the better it will be for both of us when we meet."

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## Man Has Bigger Brain Than Woman

Face is Gradually Receding While Mind is Expand-

Toronto-The brain of man is increasing in size and power, his cranium is becoming larger, and his face is gradually becoming less prominent, showing a marked tendency to recede backwards beneath the brain case, stated Prof. J. C. B. Grant of the department of anatomy of the University of Toronto during a recent address at an open-meeting of the Royal Canadian Institute here. Over a period of hundreds of centuries, as the brain of man increased in power and capacity, it became larger, stated Prof. Grant. This tendency may be proven by a comparison of the size of the cranial cases of skulls of different stages of man's development. Professor Grant pointed out that

the brain of a man is larger than that of a woman. He did not consider, however, that this could alto-

a result of the fact that the human face has been relieved of many of its duties by the hands. Lower animals, he explained, must use their jaws to accomplish clumsily many things which a human now does easily with his fingers.

Discussing the ridges, depressions and other phenomena of a skull, Prof. Grant pointed out that the only connection between the face and the And quite out of date is rhythmical backbone is through the medium of the brain case and that the muscles The critics declare it an insult to which work the jaws are attached not to the face bones but to the walls But oh! the sweet swing of it, oh! of the brain. In consequence, he said, by examining the extent of the tached-and these are usually marked by fairly sharp lines-one can discern accurately the muscular capaby the use of such methods as this, And counted the billows that broke he stated, that deductions as to the nature of primitive man were form-\_\_\_\_

#### DAY-TO-DAY REPORT OF POTATO MARKET

In order to keep potato growers And then on the gray granite preci- and shippers more closely in touch with market conditions the Fruit of Agriculture has instituted a day-I knew the tenth billow would rhyme to-day radio market report service. Staff inspectors of the Department at Montreal, Ottawa, and Toronto local market to the Branch at Ottawa And back in the woodland a little at 10.30 each morning. At Ottawa these reports are consolidated and Mr. Pennington-She doesn't earn And, doubt it who will, yet those two telegraphed to Moncton, N.B., where they are sent out through the courtesy of radio station CNRA during the noon hour broadcast.

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your druggist. Sprinkle on a hot, wet cloth and rub the face briskly. Every blackhead will be dissolved. The one safe, sure and simple way to remove blackheads. Satisfaction guaranteed or money refunded. F. W. SCARF & CO.

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#### Humility

It is as one who stands by the margin of a take, and gazes on his own image close beneath him; conceive this contemplator of himself borne gradually aloft towards the heavens, and the image which he still beholds as he soars will deepen in proportion as he rises .- Archer Butler.

Leisure is quite intolerable except in fairly small doses .- Aldous Huxies.

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