

The HOME CIRCLE

Instructive, Entertaining and Amusing Reading for the Whole Family

Develops New Vaccine for Bacterial Diseases

ONE of the most promising developments in recent years in the field of vaccine therapy was recently announced by the University of California on the basis of research results obtained by Dr. A. F. Krueger, associate professor of bacteriology. Professor Krueger has developed a mechanical method of preparing vaccines of antigens for the treatment and prevention of



bacterial diseases. Ordinarily vaccines contain the cell contents of disease bacteria which have been killed by heat or chemicals. It is Doctor Krueger's conclusion that the consistent failure of many of these preparations is due to alterations in the protein of the bacteria induced by the heat or chemicals used to kill them. To eliminate this undesirable reaction he has perfected a mill, consisting of a cylinder containing several thousand stainless-steel ball-bearings, which kills bacteria without denaturation of the protein within them. The effectiveness of this method of preparing vaccines has been clearly demonstrated in the treatment of whooping cough and of sinus infections. During a recent epidemic of whooping cough 232 children were treated with the Krueger vaccine and 165 with another type of vaccine. Only 47 per cent of the children receiving the old type vaccine showed fair or good results, while the Krueger pertussis antigen, as it is called, brought about good or fair results in 90 per cent of the cases. Tests of the similarly prepared antigen for sinus infections have brought about cures or satisfactory improvement in 90 per cent or more of three series of 45, 62 and 50 cases. Next Doctor Krueger will test the new type antigen on common colds.

BEDTIME STORY

By THORNTON W. BURGESS

DANNY MEADOW MOUSE IS IN A TIGHT PLACE

DANNY MEADOW MOUSE was having a good time on the bank of the Smiling Pool. He laughed at Grandfather Frog's fear that he was taking a foolish risk. It was true that he was a long way from home with its many secret hiding places which made it comparatively safe in times of danger. But Danny wasn't worrying. As he had told Grandfather Frog, he doesn't be-



He was headed straight for the spot where Danny Meadow Mouse was napping.

here in worrying until there is something to worry about. So, this being the first time he had visited the Smiling Pool for a long time, he made the most of it. One of the first things he did was to get a good long drink. You see, there had been no rain for a long time, and Danny had had hard work to keep from being thirsty most of the time. Then he asked Grandfather Frog for all the news of the

Smiling Pool—how his big cousin, Jerry Muskrat, was getting on; what Billy Mink and Little Joe Otter and Spotty and Turtle had been doing; how large a family Mr. and Mrs. Redwing had raised, and if Rattles the Kingfisher still came fishing every day in the Smiling Pool? Grandfather Frog answered all his questions and then declared he had talked enough for one morning. Finding that Grandfather Frog really meant what he said, Danny first hunted for something to eat, and then finding a comfortable place on the bank of the Smiling Pool, decided to take a nap.

Now, just by chance, that very morning Reddy Fox decided that he, too, would visit the Smiling Pool. Reddy likes a tender young frog for a change in his bill of fare once in a while. So about the time Danny Meadow Mouse decided to take a nap Reddy Fox started toward the Smiling Pool. As he drew near it he crouched low in the grass and stole forward very carefully and stealthily, doing his best to keep as much out of sight as possible. Nearer and nearer he crept to the bank of the Smiling Pool, and it just happened that he was headed straight for the spot where Danny Meadow Mouse was napping.

Now Reddy wasn't thinking of Danny Meadow Mouse. He was thinking of young frogs. But as he drew nearer the bank of the Smiling Pool a careless Merry Little Breeze brought to him the scent of Danny Meadow Mouse. It tickled Reddy's nose. It made him forget young frogs. A fat meadow mouse would be much better eating than a young frog.

Proud Parents



Reddy became more careful than ever. He crept along almost on his stomach in the direction from which that scent came. All the time Danny Meadow Mouse was having pleasant dreams in that comfortable place on the banks of the Smiling Pool, wholly unconscious that danger was anywhere near.

MOTHER'S COOK BOOK

FOR THE BUSY HOUSEKEEPER

IN MANY homes fresh cookies are so much more enjoyed than a large amount baked at one time. Here is the ice-box cookie which may be kept many days and when a tin of fresh cookies is wanted, slice off a few, put them in the oven and bake them as brown as you like.

Ice-Box Rolls.
Dissolve two compressed yeast cakes in one-fourth of a cupful of warm water, adding two teaspoonfuls of sugar. Add two tablespoonfuls of shortening, one tablespoonful of salt, one-half cupful of sugar to a pint of boiling water. Beat two eggs and mix all together with four cupfuls of flour. Beat well, then add three and one-half cupfuls more of flour, mix well with a spoon but do not knead. Set away in the refrigerator until the next day at noon, when it will be ready to use. Handle the rolls quickly, brush with melted lard or sweet fat when they are placed in the pan. Let stand until more than double their bulk; keep covered while rising in a warm place.

Ice-Box Cookies.
Take one cupful each of butter, brown and granulated sugar, two eggs, one teaspoonful each of salt and soda, one cupful of nutmeats, one teaspoonful each of almond and vanilla extract and four and one-fourth cupfuls of flour. Cream the butter, add the sugar, eggs and oth-

QUESTION BOX

by ED WYNN, The Perfect Fool

Dear Mr. Wynn:
I am a boy ten years old and go to public school. My English teacher gave me this question: "The liquor what the man bought, was soon drunk." She told me the sentence is wrong and wants me to correct it. Will you correct it for me?

Yours truly,
G. WHIZITS HARDE.
Answer: Instead of "The liquor, what the man bought, was soon drunk," it should be "The man, what bought the liquor, was soon drunk."

Dear Mr. Wynn:
My wife says she will leave me if I don't stop drinking. She says she doesn't want our little boy, who is six years old, to see me coming home under the influence of liquor. What shall I do?

Yours truly,
HI BALLS.
Answer: Don't come home until your boy is in bed asleep.

Dear Mr. Wynn:
My brother and I are having an argument and want you to settle it. I say the first doughnuts were fried in America. He says not. Who is right?

Yours truly,
N. DIGESTION.
Answer: Your brother is right. The first doughnuts were fried in "Greece."

Dear Mr. Wynn:
I have a boy friend who always says: "Life would be great if it were not for two things." He never tells me what the two things are. Do you know?

Truly yours,
P. ROIDE.
Answer: The two things he refers to are Blondes and Brunettes.

Dear Mr. Wynn:
A girl friend of mine took a position in a photograph studio. When she took the job she only weighed 124 pounds. She has only been

working there for three and a half months and she now weighs 168 pounds. How do you account for that?

Yours truly,
I. HUGH MERHER.
Answer: She, most likely, is working in the "developing" room.

Dear Mr. Wynn:
I am engaged to be married and my intended husband gave me an engagement ring with a diamond in it. My father says it is an imitation diamond and I say it is genuine. Will you please tell me how to find out if it is imitation or genuine?

Truly yours,
PEARL NECLASS
Answer: Try to soak it.

Two-Piece Woolen Suit



A two-piece woolen suit in a rich shade of blue with a shadowy cross-bar of lighter blue is an ideal selection for town wear. A dainty white blouse or gilet can replace the scarf later in the season. From Saks Fifth Avenue.

PORTRAIT

By ANNE CAMPBELL

IN HER sweet eyes there is the look of one
Who has said many prayers, so soft and true
In her expression . . . Golden as the sun
In her young heart . . . Her hands have learned to do
For others early . . . Baby brother turns
To her for kisses and a healing phrase
Scarce more than child herself, her patience eases
Her mother's gratitude, her father's praise
For her, one of a family of ten,
There is no time for selfish thoughts or dreams
The morning dawns. Her toll begins again
The busy hours advance; the first star gleams
And evening comes, with rest for a tired saint
Whose day has passed with no word of complaint
Codylight—WNU Service

PAPA KNOWS



"Pop, what is a marquis?"
"Polished monkey."
© Bill Sydeman—WNU Service

Monte Cristo's Famous Prison for Sale



THE famous prison, 1710' on the coast of Marseille, France, is now for sale. The prison on the island is the one in which the storied Count of Monte Cristo was incarcerated for so many years before he finally made his escape as the dead alibi.

By JOHN STARK

Unless you really want to know the "whys" of things, you may go through kindergarten, school and college, and at the end of your days you will be lucky if you are able to do more than mope a bare living.

Obviously we were intended by the Creator to be curious.

It is because of the able, wondering people who have gone before you that you are not chasing wild animals around with a stone hammer, so that you can see their flesh and make clothing out of their hides.

All the good teachers I ever have had were men and women who, when I piled them with questions, told me to go and find out for myself.

The best any teacher or professor can do is to awake the curiosity of those in their care. It was not so many years ago that the people of the earth took it for granted that apples on a tree, when they ripened, should fall down and not up.

Then Isaac Newton came along, looked at the same kind of apples on the same kind of trees that had been growing for ages, and inquired of himself why this should be. So the attraction of gravitation was discovered, and out of that discovery grew the science of physics.

It constantly occurs to me that we of this generation are fortunate in the date of our birth.

We came into the world in a thinking and an inquiring age. The intelligent people all over the world are not satisfied to know that apples fall, that the sun shines, that water runs down hill.

They demand to know the reasons. And as they discover them one by one they pass them out to those who don't want to take the trouble to think.

Always there are problems to think out, always there is work on hand, always there are opportunities to prod others into a realization of how much is to be done, and how much can be done.

Today the scientists are outstripping all other groups of people. But presently the men and women who are working to reduce poverty, to put an end to crime, and to increase opportunity in the world will have their turn.

You and I have seen a great advancement in thought, a great spread of education.

Not long ago I was shown a copy of a newspaper published before the Civil War.

Eyes of a scant third of the World of it was news.

The remainder consisted of opinions of the newspaper's editors, or of prominent people, or of long letters to the editor, written by very dull people who obviously had a deep belief in their own ability.

The newspaper reader of today would be astonished if he found that kind of a sheet on his doorstep.

Most of the news would be old, sometimes a week, sometimes six months.

There could be no pictures, no tidings of all of great catastrophes, news of which would not reach the town or city of publication for weeks so come.

The newspaper that you are reading now may be a great metropolitan publication, or it may be a smaller paper out in a town of a few thousand people.

But it will tell you what is going on all over the world. It will be your eyes and ears while you are sitting at the breakfast table.

It may differ with you in politics, but it will tell you as much about what your political party is doing as it does about what its own party is doing.

Today the newspapers which do not favor the administration give as much news about it as the organs which, in their editorial columns, strongly approve of what is going on in Washington.

And in a town so small that it has only a weekly, you can still get the news without prejudice.

I believe that more men and women are sending their children to college because they, and the children as well, read what the colleges are doing, and how much they do for the young people committed to their care.

I believe that in almost every department of modern life the newspaper is a great and growing factor.

Moreover I am certain that every man and woman who reads a modern newspaper every day will increase his intelligence, and become more and more a factor for good in the world.

I am not looking for any given paper. I have worked and written for many of them.

But I am for them. Without them this country would never have grown so rapidly, and would never have been governed as wisely.

WHAT TO DO ABOUT "Acid Indigestion"

A WAY THAT RELIEVES THE CAUSE IN A FEW MINUTES



Many people who think they have "weak stomachs" or "indigestion," doctors say, suffer in reality from nothing more serious than acid stomach. And this common ailment can usually be relieved now, in minutes.

All you do is take familiar Phillips' Milk of Magnesia after meals. This acts to almost immediately neutralize the stomach acidity that brings on your trouble. You feel like a new person!

Try this just once. Take either the familiar liquid "PHILLIPS'" or the new Phillips' Milk of Magnesia Tablets. But watch out that you get the Genuine PHILLIPS' Milk of Magnesia.

ALSO IN TABLET FORM: Phillips' Milk of Magnesia Tablets are now on sale at all drug stores everywhere. Each tiny tablet is the equivalent of a compressed amount of Genuine Phillips' Milk of Magnesia.

Nonchalant Philosopher—I take things as they come.
Shoplifter—And I take things as I go.

USE LABBERG'S



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BIG CANS 10 CENTS

Are Exceptions Second thoughts, despite the proverb, are not always best.

COLD'S Creomulsion

You own druggist is authorized to cheerfully refund your money on the spot if you are not relieved by Creomulsion.

WNU-4

Start the day feeling FIT and ACTIVE!

Don't let a sluggish, unrefreshed morning hold you back. GLENN'S STIMULANT AND TONIC. The Official Stimulant of the U.S. Army and Navy. It gives you energy and vitality. It's the only stimulant that's safe and healthy. It's the only stimulant that's pure and natural. It's the only stimulant that's guaranteed to give you a good day's work.

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