

RED ROSE TEA "is good tea"

The Orange Pekoe

is extra good
In clean, bright Aluminum

PATIENT CORNELL SHEEP HAS SYNTHETIC BREAKDOWN

Ithaca, N. Y., Feb. 3.—Horace, the game old wether of Cornell University, has had a nervous breakdown—a synthetic one, so to speak, for it was produced at the will of a physiologist.

Upset Sheep's Brain

Dr. Howard S. Liddell of the Cornell physiological field station, who is studying conditioned motor reflexes in animals, upset the balance in the sheep's brain by overtaxing his habit-forming ability, and the result was that Horace became a neurasthenic. A long rest reconditioned him, however, and he is ready for further contributions to science.

The object of Dr. Liddell's painless experiments with Horace is to substantiate the theory of Dr. I. P. Pavlov, celebrated Russian physiologist, that the brain of an animal is only a storehouse for reflex actions in which definitely localized processes of excitation and inhibition are delicately balanced. Positive response, or action, is regarded by Dr. Pavlov as the result of excitement, or inaction, is considered the corollary of inhibition.

Sheep Given Test

These abstractions were tested on Horace in a very practical way. He was placed on a table in a quiet room where no distractions could divert his attention. Fastened to one leg were two thin wires. In the next room, out of the animal's sight, Dr. Liddell started a metronome, causing it to beat once a second. Every sixth second he sent a weak electric current through the wires. The prick of the charge caused the wether to lift the leg.

After this experiment had been repeated many times, Horace moved the leg immediately after the fifth beat, without waiting for the sixth stroke which always brought the shock. This was the conditioned reflex sought by Dr. Liddell. Horace's nervous system was automatically responding to the combined excitement of the tick of the instrument and the delayed urge of the current. But his brain was still preserving the balance between action and inaction.

The animal's breakdown came when the physiologist attempted to hasten the formation of the leg-lifting habit by doubling the daily number of experiments. Horace's power to control his response to the metronome disappeared, and he would lift the leg on each beat, apparently in a highly excited state.

The sheep was then given a month's vacation. During that interval his mental equilibrium was restored, and when the experiments were resumed he was back at his old trick of lifting his leg at the completion of the fifth beat, without waiting for the shock that marked the sixth.

Although Dr. Liddell is not ready to draw lessons for human beings from his observations of the sheep's behavior, he believes that what is popularly called nervous breakdown due to overwork seems similar in every way to these experimentally produced nervous disturbances.

"It may be," he said, "that neurasthenia and hysteria are disturbances of this nature; in other words, unusual situations that upset the brain balance."

MR. W. H. MOORE DEALS WITH THE RAPTORIAL BIRDS

(Continued from Page 3.) eastward to hundreds of miles' out over the Atlantic Ocean. Many of this great flight were killed, but some were enabled to start the return migration and were seen going northward in the month of March. They migrated in daytime.

"Surnia ulula caparoch," American Hawk Owl: This is another visitor from the north, coming about the last part of October and through November. Some years they are present in fair numbers and other years rare.

This owl works during daytime, so has gained for itself the name of "Hawk Owl." While with us, small mammals form the bulk of its food.

Many are destroyed by gunners and find their way to taxidermist shops.

He—Why do you want to sing with me?

She—To help share the responsibility.

Making his second visit to Canada in 44 years, Seymour Hicks, noted British actor, with his wife, the equally well-known English stage favorite, Ellaline Terriss, and their daughter Betty, with a company of 26, arrived at Halifax this month, played a week there and three days at Saint John as the opening phase of a four months' tour that will embrace the whole Dominion to Victoria and back. Mr. Hicks travelled C.P.R. and will conclude his tour May 5.

The increased buying power of the Canadian people and the surplus funds in their possession for investment in the last few years is accounted for by the increased production of the Dominion, substantial increments having been recorded since 1923 and a new record made, according to estimates, in 1927. The value of gross production in Canada in 1923 was \$4,946,000,000; in 1924 it was \$5,263,000,000; in 1925 \$5,599,000,000; in 1926 \$5,656,241,624 and in 1927, according to the estimate of the "Financial Post," \$5,755,793,700. Production in 1927 exceeded that of 1926 by approximately \$100,000,000 and that of 1923 by \$809,000,000. Agriculture accounted for \$1,360,287,100; forestry \$481,405,000; fishing \$59,291,000; trapping \$16,788,000; mining \$262,000,000; electric power \$108,195,000; construction \$398,300,000, and manufactures \$2,760,700,000.



Of Interest to the Women

LEMON SHORTCAKE.

2 cups flour
2 teaspoons baking powder
1-2 teaspoon salt
1-4 cup vegetable shortening
1-2 cup milk
Sift the flour baking powder and salt into bowl; add the shortening and rub in very lightly; add cold milk to hold together. Dust cake pan or pie plate with flour, put on the dough and pat smooth. Brush top with milk and dust with sugar. Split and fill with lemon butter which is made as follows:

4 tablespoons lemon juice
1 teaspoon grated lemon rind
1-2 cup sugar
1-2 cup flour
1 cup water
1 egg
1 teaspoon butter. A few grains of salt.

Put the water on to boil; mix the flour with a little cold water until smooth; add sugar, salt and well beaten egg; boil all until stiff remove from fire and add the lemon juice, rind and butter; beat until cold.

Chocolate Marble Cake.

1-2 cup butter
1 cup sugar
3-4 cup milk
1-2 cups flour
1-2 teaspoon salt
2-1/2 teaspoons baking powder
4 egg whites
1 teaspoon vanilla
1 tablespoon flour
1 ounce chocolate

Cream butter and add sugar gradually, then add milk alternately with one and a half cups flour mixed and sifted with two teaspoons baking powder and salt. Add stiffly beaten egg whites and the vanilla. To one third of the mixture add melted chocolate and the rest of the baking powder, mixed and sifted with the tablespoon of flour. Butter a deep cake or angel cake pan put in mixtures by spoonfuls and bake in a moderate oven (350 degrees Fahrenheit) for fifty minutes.

BAKED BANANA TART.

4 large bananas
3-4 cupful water
1-4 teaspoonful salt
3 slices lemon
3 cloves
1-2 cupful powdered sugar
1 tablespoonful orange juice and grated rind
1 pastry shell

Slice the bananas, cover with water add the salt and the lemon into which the cloves have been stuck. Cook until the bananas are very soft, remove the lemon and cloves and add the egg yolks mixed with the granulated sugar. While the filling is cooking the pastry shell should be baked about four minutes in a hot oven (450 deg. F.) Fill the shell return to the oven and bake 15 minutes in a moderate oven (325 deg. F.).

Beat the whites of the egg stiff but not dry, add the powdered sugar and when well blended add the

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THE CONQUEROR

(From the Arkansas Gazette)
Not with the flying feet of flame
Nor swift erosive rust
Moves the master of all things—
Dust; gray dust.
Naught can change its even course
Nor stay with locks and bars
Dust the formless flowing stuff; the
basis of the stars
Bit by added bit it builds world on
world and then—
Slowly and recklessly takes them
back again.

Wind and water war with it;
passionless and blind
Lo it moves to mastery of water and
of wind
Doth a gleaming empire rise? Softly
'round the throne—
Give me time its whisper runs and
I will claim by own.

Troy's towers Gaza's gates keep of
Caerleon
All Cibola's cities shining splendid
in the sun;
Kubla's hordes and Caesar's troops
Montezuma's men—
Dust they were and unto dust they
have gone again.

Lovers all and heroes all;
Hate and love and lust—
In a million years ye are
Dust; gray dust.

C. T. D.

SPARING HIS FEELINGS.

Insignificant Parent—"Isn't it time
he could say 'daddy'?"
Fond Mother—"We've decided not
to tell him who you are until he gets
a bit stronger."

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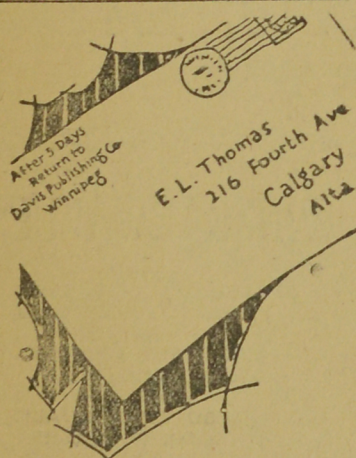
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BLUNDERS



WHY IS THIS WRONG?

Thousands of letters are delayed in delivery from two to ten hours in big cities because business men do not place their return street address on letterheads and envelopes. Even though a company may be an important one, all postal employees do not have its address committed memory. Consequently its mail surely be delayed if persons must reply to its letters are no street address.

LAME BACKS MENED IN ONE NIGHT

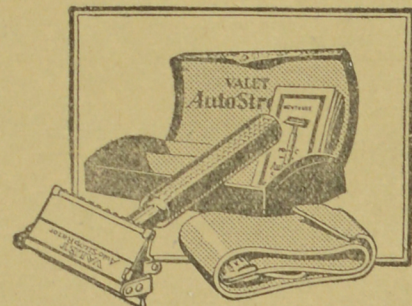
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