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THE EVENING TIMES AND STAR, ST. JOHN, N. B., TUESDAY, DECEMBER 20, 1921

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## AN EXPERIMENT IN LONG LIFE

Discovery Recently Announced  
by a French Physician.

The moral of the discovery recently announced by a French physician that the tissues of which the body is composed are practically immortal, is that long life depends on co-ordination of all the functions of that highly complex organism, the human body (says the Portland Oregonian). The physician arrives at the conclusion that old age is a disease, as has been suspected by others before him, but also holds out hope that it is curable. His conclusions are significant as pointing the way to a higher enjoyment of the present allotted term of life rather than as indicating its material prolongation, however. It is seriously to be doubted whether any human being who is entirely normal would want to live forever. Death still has its advantages as an ultimate blessed relief from mundane cares.

The experiments of the scientist in question in the course of his quest of the secret of youth and age are, moreover, intrinsically interesting. He began work nine years ago in an effort to find the answer to the critics who maintained that earlier biologists had proved nothing by keeping certain animal tissues alive, since no tissue had ever survived the normal period of life of the animal

### The Best Tea

is the Cheapest in the end.  
**CHASE & SANBORN'S**

**SEAL BRAND  
TEA**

is the drink of Economy—gives more  
cups to the pound.

**CHASE & SANBORN, Montreal.**

from which it was taken. He first took minute fragments of the heart and vessels of a chicken embryo eight days old which he carefully cultivated in a culture medium. Various accidents happened to the fragments one by one, until after nine months only one was still living. But this responded in a manner which has aroused the profound interest of biologists who have watched the experiment. The Paris Matin, describing its progress, says:

"This culture has gone on growing vigorously. Every forty-eight hours it is divided into four parts, which are washed in a Ringer solution, put in fresh culture medium and then put on separate glass slides and kept at a temperature of 102 degrees Fahrenheit. The culture medium consists of chicken plasma, or extract of chicken's blood, with an equal part of liquid extract

taken from an embryo. The pieces of tissue grow from four to forty times their own size, according to circumstances, in forty-eight hours. It is now certain that culture of tissue taken away from its own organism can live much longer than the animal itself, and indeed practically indefinitely. It seems impossible to duplicate under the ordinary conditions of living the perfect atmosphere of the laboratory for the preservation of cellular activity, and yet it is a step in the direction of finding the secret of life to be able to produce growth artificially, as the French physician has done. That which has been accomplished with one bit of tissue may conceivably be done with two or more, and when the principle underlying their interdependence has been mastered we shall be on the road to establishing a rule by which the physical functions can be maintained practically at the will of the individual.

This was the end toward which Dr. Metchnikoff was striving, and it was the secret which Frank Albert Dastre, the celebrated physiologist, derived as the result of his experiments with nerve tissues. The body is no stronger than its weakest element, and the life of each depends on the health of many others, so that the man who is careful of his stomach, for illustration, while he overtaxes his heart, or coddles his liver while he misuses his brain, destroys the balance which nature demands that he shall maintain. The simple experiment of the physician with a minute fragment of the heart of a chicken embryo, academic though it may seem in its present stage of development, may well be fraught with large consequences to the future health of the race.

### SHOES MADE WATERPROOF.

Oil or Grease Applied to Leather Keeps Feet Dry.

Water-proofed leather boots and shoes are very satisfactory for protecting the feet during rain or snow storms. Though they have a tendency to cause the feet to perspire, they are not as objectionable in this respect as rubber, the U. S. Department of Agriculture states.

In summer the department advises a grease harder than that used in the winter. As there is less need for water-resistant shoes in summer than in spring and winter, and because of the tendency of the heavily greased shoes to cause the feet to perspire and well in hot weather, the quantity of grease used in summer should not exceed the amount the leather will take up without leaving the surface greasy. In winter, especially if it is desired to secure the maximum water-

or resistance a mixture of grease and oils that will remain soft when exposed to cold is required. More of the grease than the leather will absorb may also be used in cold weather, as an excess will do no harm, and will make the leather more water resistant. The department suggests for such

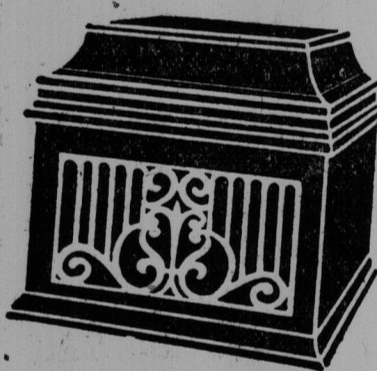
water-proofing mixtures of neutral wool grease, dark petrolatum, paraffin, beeswax, crude turpentine, tallow and cod oil.

**USE The Want Ad**

**BABY IN BOX LEFT ON STEP OF HOUSE IN ROSEDALE**  
(Toronto Mail and Empire)  
While delivering goods at the side entrance of 162 Glen Road yesterday afternoon, Archibald Bartley came upon a wooden box, which, on being opened, re-

vealed to view a male child, three weeks old. The infant, which was well dressed and well nourished, was removed to the Infants' Home. The box in which the child was enclosed was one of the kind used for the packing of oranges. Examination of the youngster's clothing revealed no marks of identification.

## A Phonograph For Christmas!



### On Our New Club Payment Plan.

Your first payment is \$3.00, next \$2.00, and every payment is smaller, till your last payment, which is 25 cents. How EASY to own a beautiful machine on this plan. Every payment gets smaller as your card is filled. Machines of all styles. Call and make your selection today.

**PARKE FURNISHERS**

LIMITED

169 Charlotte Street.

Phone 3652

**\$15,000**

# CHRISTMAS SALE

To continue in full swing all Xmas week. This enables the careful buyer to take advantage of the wonderful bargains we have still to offer. We feel it our duty to thank those already served for their splendid patronage during the first few days of our big sale. Ask your friends what bargains they received at our sale?

No Refunds During Sale.

REMEMBER!

Open Every Evening.

You need the goods, we need the money. Fair exchange is no robbery. This has proven our greatest sale. Our Serge Dresses at \$9.75 are going fast. The entire stock of our Ladies' Furs is on sale. Extra: 200 Ladies' All Wool Sweaters to clear \$2.95. 100 Ladies' High Grade Raincoats to clear \$8.00. Extra Special: 50 Guimp Dresses to clear \$4.75. 200 Ladies' Silk Dresses, highest quality, \$11.75.

**THIS SALE ENDS SATURDAY DECEMBER 24TH.**

Buy something sensible for Xmas. Many of our better bargains are still awaiting you. A visit to our sale will convince you. Our entire stock for your inspection.

BELOW YOU WILL FIND A FEW GOOD BARGAINS. IN OUR STORE YOU WILL FIND THE REST.

<b>Lot No. 1</b> <b>MEN'S SUITS</b> All styles and shades. Former prices \$24.00 to \$35.00. Must go at \$12.75	<b>Lot No. 3</b> <b>MEN'S OVERCOATS</b> In all wool Ulsters, all shades all styles, regular \$19 to \$32. To Clear at \$13.75	<b>Lot No. 5</b> <b>LADIES' COATS</b> Velours, Tweeds, etc., Regular \$20 to \$35— Sale \$10.75	<b>Lot No. 7</b> <b>LADIES' SUITS</b> Serges, Tricotines, Tweeds, Poplins, silk lined, regular \$20 to \$33— Sale \$15.75	<b>Lot No. 9</b> <b>LADIES' SERGE and TRICOTINE DRESSES</b> All shades and styles, regular \$15 to \$30— Sale \$9.75	<b>Lot No. 11</b> <b>LADIES' SILK DRESSES</b> Snappy styles and shades, regular \$18 to \$30— Now \$11.75	<b>Lot No. 13</b> <b>LADIES' ALL WOOL SKIRTS</b> Stripes and plaid box pleat, etc., regular \$13, \$15, \$18— Now \$7.75
<b>Lot No. 2</b> <b>MEN'S SUITS</b> Of finest textures, silk skeleton lined—our highest grade. Regular \$40 to \$65. Our Sale Price \$26.50	<b>Lot No. 4</b> <b>MEN'S OVERCOATS</b> The better class, in Meltons, etc., etc. Regular \$35 to \$55. Sale \$28.75	<b>Lot No. 6</b> <b>LADIES' COATS</b> The nicest shades and highest quality, fur trimmed, silk lined, regular \$40 to \$85— Sale \$29.75	<b>Lot No. 8</b> <b>LADIES' SUITS</b> The latest styles and better quality, fur trimmed, Velours, Normandy, Broadcloth, regular \$35 to \$85— Sale \$38.75	<b>Lot No. 10</b> <b>LADIES' SERGE and TRICOTINE DRESSES</b> Beautiful styles, best grade, regular \$35 to \$65— Sale \$29.75	<b>Lot No. 12</b> <b>LADIES' HIGH GRADE SILK DRESSES</b> In Canton Crepe, Satin, Taffeta, etc., all styles, regular \$35 to \$60— Sale \$26.75	<b>Lot No. 14</b> <b>LADIES' FURS</b> Raccoon, Fox, Mink, Seal, Wolf, etc., etc., regular \$15 to \$20, now \$12.75. Higher quality, regular \$35 to \$65— Now \$26.50

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Say It Was A  
Wonderful Sale

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Nobody Deceived  
Everybody  
Pleased