

THE EVENING TIMES AND STAR, ST. JOHN, N. B., FRIDAY, SEPTEMBER 9, 1921

POSSIBILITIES OF POWER FROM SUN

"No Sun, No Crops, No Life"
Says Columbia Professor.

Counsels Manufacturers to Intensify Chemical Research—Little Being Done Towards Harnessing Light, He Claims.

New York, Sept. 9.—(By Associated Press)—The problem how to harness the energy of the sun so as to utilize it for the direct benefit of man was presented to the chemists of the United States and Great Britain here yesterday by Dr. L. H. Baekeland, honorary professor of chemical engineering in Columbia University. He was speaking at an international meeting of the Society of Chemical Engineers of Great Britain and of the American Chemical Society. He pointed out the necessity of chemical research for the advancement of American industry and warned manufacturers against discontinuing that work during the present period of business depression.

Speaking on the problem of how to utilize the rays of the sun, he briefly told how these rays acting upon plant life produced sugars, starch, cellulose and other foods. He said: "No sun, no crops, no life. So that, after all, the whole living world is dependent upon a delicate photochemical reaction."

"Our vast coal beds and our petroleum wells and our natural gas are merely the result of light energy stored up from one plant or animal life of former geological periods. This, in itself, ought to impress us with the enormous possibilities of photochemical synthesis and yet, here is a field where the scientist or engineer has accomplished next to nothing. In the utilization of this marvelous energy, we have not gone beyond the art of making photographs."

"When it comes to transforming light energy into chemical synthesis we have left thus far the monopoly of this agent to nature; we have been acting at Rip Van Winkle."

"Where is the Parady, the Ampere, the Leonardo de Vinci, where is the Archimedes who shall show us how to use the sun rays for charging our electrical storage batteries, or who will teach us how to handle the photochemical action of sunlight, or to emulate nature in her delicate synthesis of plant life? Who will utilize this delicate method instead of our hitherto brutal process of synthesis?"

"To the wide-awake manufacturer the present industrial depression should be an incentive to engage more chemists, to do more chemical research work, instead of laying off the men of their chemical staff, as has happened in too many instances since we got out of that fool's paradise of so-called 'prosperity.' Most of our industries badly need 'fertilizing' and fertilizing is better

The first cost
is practically the last

Touring Car \$1635, Roadster \$1555, Sedan \$2915
Coupe \$2595, Panel Business Car \$1875, Screen
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done while the land lies fallow than during planting or harvesting time. "Whenever I see such shortsightedness, which is bound to stunt our industrial efficiency for the future, than I wonder whether some of the financial business men at the head of large industrial enterprises are not occupying their position on an assumed and unearned reputation."

GIRL SWIMS TOTAL OF 153 MILES

New York, Sept. 8.—Completing a 145 mile swim begun at Albany last Friday, Miss Mille Gade, 22 years of age, arrived at Battery Park at ten-fifty-seven o'clock this morning. A launch, and a row boat accompanied her down the Hudson, and she slept and ate aboard the launch. She left Albany at nine-thirty o'clock last Friday morning and covered, including detours, approximately 153 miles. She was in the water sixty-three hours, thirty-five minutes.

PLAN FOR OLYMPIC GAMES.

Paris, Sept. 9.—Following its decision to hold the 1924 Olympic games in the Pershing Stadium at Vincennes, the Municipal Council is already planning to make the ceremonies attending the contests the most spectacular ever witnessed.

WE HAVE NOTHING ON THE ANCIENTS

People of 30 Centuries Ago
Had Rickets, Flat Feet,
Corns and Bunions.

Paris, Sept. 9.—With all the world's scientific progress, health conditions today are neither better nor worse than they were 3,000 years ago, according to Dr. Robert Jaures, who has just published the results of an examination of numerous Egyptian mummies that were buried along the Nile.

Not only were there then existent diseases that are now attributed to microbes but also there were malformations, Pott's disease, rickets and flat feet, as well as corns and bunions.

In some of the bodies Dr. Jaures found distinct evidence of tubercular lesions in lungs, while microscopic examinations of hardened tissues revealed cirrhosis of the liver, abscesses and gallstones.

Not the least interesting discovery by Dr. Jaures was the fact that the ancient Egyptians were more sure-footed than the people of today, as was indicated by the fact that out of a thousand mummies examined not a single case of fracture of the foot or leg was found.

CHILDREN'S AID HOME IS FILLED

Now Caring For Twenty-six
Children, With Applica-
tions For Admission of
Others.

The monthly meeting of the Children's Aid Society was held last night in the Children's Home, 68 Garden street, with the president, A. M. Belding, in the chair.

The report of the agent, Rev. George Scott, showed that the pressure upon the available space of the society was very great. Although since last meeting four children were taken out by their parents three more had been received, making in all twenty-six children now under the care of the society. Several mothers wished the society to take care of their babies but other arrangements were made in most of these cases. Besides he reported a large number of older children who were in need of temporary care which was also found for them elsewhere.

A letter was received from the branch of the Massachusetts Society for the Prevention of Cruelty to Children referring a case in the province for investigation. The matter has been satisfactorily attended to. Another letter was received from the superintendent of neglected children of Nova Scotia about a case here which is now being attended to.

RECEIVES \$900 FOR DENOUNCING HUSBAND AS MURDERER OF WOMAN

Hempstead, N. Y., Sept. 9.—Mrs. Bertha Kubal, whose husband, Lawrence Kubal, was convicted of murdering Mrs. Minnie S. Bartlett on June 23, appeared before Town Supervisor H. R. Smith with her baby, born since the murder, and received \$900, her share of the \$1,000 reward offered by the town for information leading to the arrest and conviction of the murderer.

The rest was paid to Mrs. Kubal's brother-in-law, who induced her to tell the authorities of the crime her husband had confessed to her. Kubal is now in the death house at Sing Sing.

"Canada's Staple Cigars"

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HABANA
DEMOCRAT
SIZE
10c
THE STANDARD VALUE

AIRPLANE DOPE FOR THE FINGER NAILS

London, Sept. 6.—Airplane dope for the finger nails is the latest vogue of society manicuring. This is a liquid used in waterproofing the wings of the plane. It is also used in garages for covering brasswork. A beauty parlor can be stocked with it for less than \$5. Women who have used the stuff say that

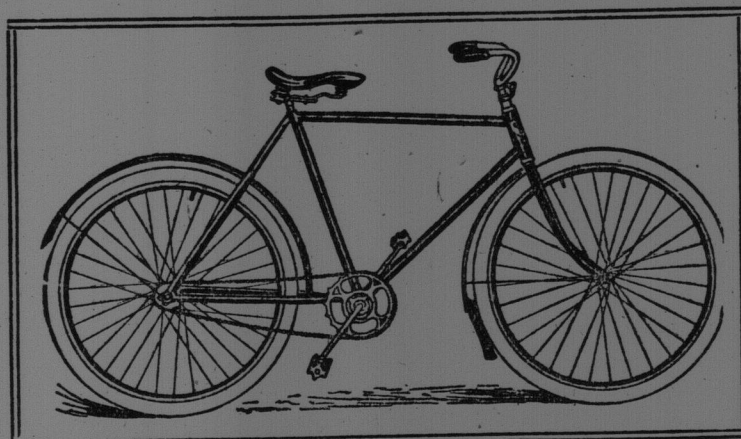
it gives a polish that shines like the sun and lasts for weeks. Bridge players and pianists in particular are acclaiming its merits.

HAIR WALNUT SIZE.

Marseilles, Sept. 9.—Terrific hallstoms are frequent in Southern France this summer. Several times the hallstoms have been as large as walnuts.

LONG-SERVING FAMILY.

Cambridge, Eng., Sept. 9.—A. W. Paiges, chief clerk in the commercial superintendent's office, has served the Great Eastern Railway fifty years. His father worked thirty-six years for the company and four brothers served fifty-one, forty-six, forty-five and thirty-six years each.



Special Reduced Prices

For Exhibition Time Only on the

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THE LIGHT, STRONG, HANDSOME WHEEL, which gives the long, satisfactory service at the lowest cost for upkeep and costs least for repairs. The favorite wheel with discriminating cyclists; the wheel equipped with the Eadie Coaster Brake—the best and most reliable brake of its kind known to wheelmen.

THIS SPECIAL LOW PRICE OFFER HOLDS GOOD UNTIL SATURDAY ONLY. Now is the time for you to buy a Hyslop and enjoy the double advantage of having the best wheel and being money in pocket on the transaction.

Look at These Prices:

HYSLOP—GENTLEMEN'S "A" Special Price \$59.00
HYSLOP—GENTLEMEN'S "B" Special Price \$55.00
HYSLOP—LADIES' "B" Special Price \$55.00
HYSLOP—GENTLEMEN'S 1920 "B" Special Price \$50.00

Come and see the HYSLOP in our Sporting Department, or at our Booth in the Exhibition. Then you'll realize that these prices represent really Extra Special Values.

W. H. THORNE & CO., LTD.

HARDWARE MERCHANTS

7 to 9 KING STREET and on MARKET SQUARE

Store Hours: 8 a. m. to 6 p. m., close at 1 p. m. Saturdays. Open Friday nights till 10.

The Store of Promise—And Fulfillment!"

Opening Sale

INTRODUCING

Fine's New Store, 233 Union St.

FRANK E. GREANY, Manager

Boots and Shoes, Men's Furnishings

We are offering during our opening sale only new goods bought by us since manufacturers have reduced their prices. These goods represent a series of values that mean genuine savings in your sho and furnishing purchases.

EARLY SHOPPING IS ADVISABLE AS QUANTITIES IN
SOME LINES ARE LIMITED

Growing Girls' Mahogany High Cut Lace Boots; sport last, medium heel; all sizes, 2 1-2 to 7.

Our New Price \$3.85

Ladies' Fine Black Kid Oxfords; spray tip. Flexible sewn soles; sizes 2 1-2 to 7.

Our New Price \$3.65

Child's Box Calf lace boots; sizes 8, 9 and 10.

Our New Price \$2.25

Infant's Dong. Blucher lace boots, patent tip; wedge heel; sizes 3 to 7 1-2.

Our New Price \$1.75

Men's Pants

We have made a large purchase of Men's Pants and can offer the following lines of attractive values at New Low Prices.

LOT NO. 1—All wool blue and black serge that will give good wear; also worsted in greys and stripes. Extra tailored. Regular price \$8.50 Our New Price \$4.50

LOT NO. 2—Tweed Trousers in different patterns; 5 pockets; well tailored. Regular price \$6.50 Our New Price \$3.50

LOT NO. 3—These Trousers are very durable. Cotton and wool worsteds, made of strong closely woven cloth. Regular price \$4.50 Our New Price \$2.50

Men's Tan Grain Working Boots, Blucher cut; solid leather; all sizes, 6 to 11.

Our New Price \$4.25

Men's Black Box Calf, Blucher and Bal. cut, leather lined boots, full double sole, rubber heel; all sizes 6 to 10.

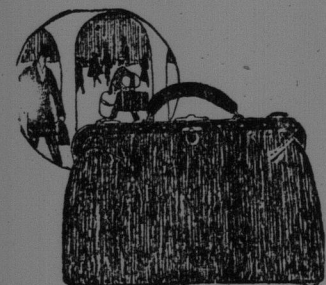
Our New Price \$5.85

Men's Black, Gun Metal Bal., rubber heel, all sizes 6 to 10.

Our New Price \$3.85

Men's Black Box Kip, Blucher cut boots; sizes 6 to 10.

Our New Price \$3.50



Black Naugahide Club Bags. A special purchase. These bags are fitted with brass drop clasps and locks.

16 in. size \$4.95

18 in. size 5.50

20 in. size 6.00

Full line of Hosiery Men's, Ladies' and Children's at New Low Prices.

—Special—
Ladies' English Heather Stockings 95c



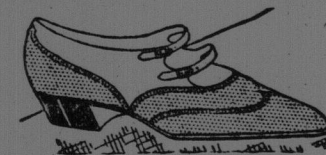
Men's Mahogany Bals. Goodyear welt, sewn soles, rubber heels, medium recede toe; sizes 6 to 10.

Our New Price \$5.85

Men's Tan Calf Blucher Cut Boots, Goodyear welt, sewn soles; full round toe; all sizes 6 to 10.

Our New Price \$5.85

Special—24 pairs only, young men's Goodyear welt recede toe boots in sizes 6 to 8. . . Our New Price \$3.85



Women's mahogany brogue oxford, military heel; all sizes 2 1-2 to 7 Our Price \$3.95

BOYS' SUITS THAT GO RIGHT OVER THE PLATE IN QUALITY - STYLE - SERVICE AND VALUE

Our purchase of Boys' Suits from a large manufacturer at new low prices enables us to offer better values in boys' clothing than has been possible to offer since 1915.

LOT NO. 1—Juvenile Suits, sizes 21 to 26, to fit boys from 3 to 8 years. Grey tweed of cotton and wool mixture. Belt, Pants knee length and lined. Regular \$8.00. Our New Price \$4.00

LOT NO. 2—Suits of wool and cotton tweed. Belt. Regular style bloomers. Sizes 31 to 36. For ages 13 to 18. This is an excellent school suit. Regular \$12.00. . . Our New Price \$4.50

A. FINE

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