



Artificial Body Cells Held As Possibility

By FRANK CAREY
ATLANTIC CITY, N.J. (AP)—A Chinese-born scientist reported progress toward developing "artificial body cells" which might eventually help fight such diseases as gout.

Such cells, if perfected for human use, would be pinhead-sized, nylon plastic capsules filled with human-cell chemicals, and mimicking some of the functions of the billions of living cells in the body. They would be used to treat blood in devices linked with the body by out-and-back again blood-flow tubes.

Dr. T. M. S. Chang, a physiologist at McGill University, Montreal, told about the quest—and of promising animal experiments with still-crude, pioneering versions of such cells—in an interview preceding a technical report to the American Society for Artificial Internal Organs.

The society—a group of 300 specialists devoted to exploring possibilities for developing mechanical hearts, improved artificial kidneys and other robot counterparts of man's vital organs—is holding its annual convention here.

Chang stressed the artificial cell work still is in the experimental stage and that much more testing on animals must be done before there can be any thought of human trials.

proved to the stage where they might eventually be used to:

1. Treat some diseases that are characterized by a deficiency of certain chemical enzymes—such as gout and phenylketonuria. The latter malady, called PKU for short, is a genetic abnormality disease that results in mental deficiency.

2. Treat certain liver and glandular ills that are characterized by deficiencies of other chemicals.

3. Cleanse the blood of poisonous substances that might originate inside or outside the body. In all instances, the idea would be to prepare capsules containing the required chemicals and let the patient's blood flow past the capsules in a special device.

The semi-permeable nylon plastic membranes of the capsules would allow a chemical exchange between elements in the blood and the contents of the cell, but would prevent direct

Sulphur Prospects In N.S. Arouse Speculators' Fever

By LARRY DWORIN
Canadian Press Staff Writer
Speculators in Canada's mining industry, barely recovered from a buying binge in the Timmins area of northern Ontario and the Pine Point district of the Northwest Territories, took a whack at another area this week—the Maritimes.

A promising sulphur prospect in Nova Scotia ignited the gambling instincts of speculators and pushed prices of two companies sharply higher.

The Toronto stock market had been relatively quiet until Tuesday when the Nova Scotia government announced the find near Truro then gamblers rushed in and pushed the price of New Senator—Rouyn up 29 to 58 cents on 6,185,993 shares. Peel—Elder, which jointly owns the property with New Senator, climbed 6 1/2 to 25 1/2 on 100,414 shares.

Trading in Peel—Elder was contact between the blood and the contents of the cell, which would be harmful.

delayed for most of Wednesday's morning session on the Toronto and American exchanges when the SA asked the company for a statement about its recent activity.

A reply was made indicating no orebody had been determined on the sulphur prospect.

MARKETS CLOSED FRIDAY
Markets were closed Friday because of the Easter holidays. Volume at Toronto was 27,142,911 shares compared with 27,864,213 last week.

Industrials continued their recent weekly advance with gains coming from most sections on the list.

Dominion Textile paced the group, climbing 2 1/2 to 37 1/2. Aluminum, Massey-Ferguson and Burns were each up 2 to 43, 33 1/2 and 16 respectively. Clairtone 1 1/2 to 8 1/2 and Shell 1 to 21 1/2.

Banks were down as a result of profit taking, and the bank index lost 2.23 to 143.32. Base metals showed strength as demand for copper remained high.

Special Stamp To Be Issued

OTTAWA (CP)—A five-cent stamp commemorating the December, 1866, London conference—third and last major assembly leading to Canada's Confederation—will be issued May 26.

The post office department said Thursday the stamp, horizontal in format and produced in tones of brown, features on the right side several prominent delegates to the convention, in-

cluding Sir John A. Macdonald, Sir Georges Etienne Cartier, Sir Charles Tupper and Sir Samuel Leonard Tilley.

In the stamp's centre is a shield commemorating the conference in French and English. The stamp was designed by Paul Pederson of Brigden Winnipeg Ltd.

Weeks of negotiations at the conference resulted in final agreement on the British North America Act, which was given royal assent by Queen Victoria March 29, 1867.

The issue will run 24,000,000 copies.



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BUDDHISTS WANT KY OVERTHROWN

Buddhist leaders of South Viet Nam sit at a news conference in Saigon Sunday to say they have lost confidence in the military government of Premier Nguyen Coa Ky and would like to see it overthrown. Buddhists have been demonstrating against the government for the past month. From

FRONT TO REAR, the Buddhists are Thich Ho Giac, leader of the New Viet Nam Buddhist Forces; Thich Thien Hoa, deputy chairman of the Buddhist Institute; Thich Tri Quang, the Institutes spiritual leader; Thich Phap Tri, deputy chairman, and Thich Quang Lien, in charge of

social affairs. (AP Wirephoto by radio from Saigon)

Bridge Company Given Contract

RAWALPINDI (AP)—The West Pakistan Water and Power Development authority has given the Dominion Bridge Co. of Lachine, Que., a 2,800,000-

contract to construct a bridge on the Indus River, it was announced here.

The bridge will be located about 60 miles northwest of Rawalpindi. Dominion offered the lowest tender among six other international firms, the authority said.

CITES POSSIBILITIES
Nevertheless, he said, such cells conceivably could be im-

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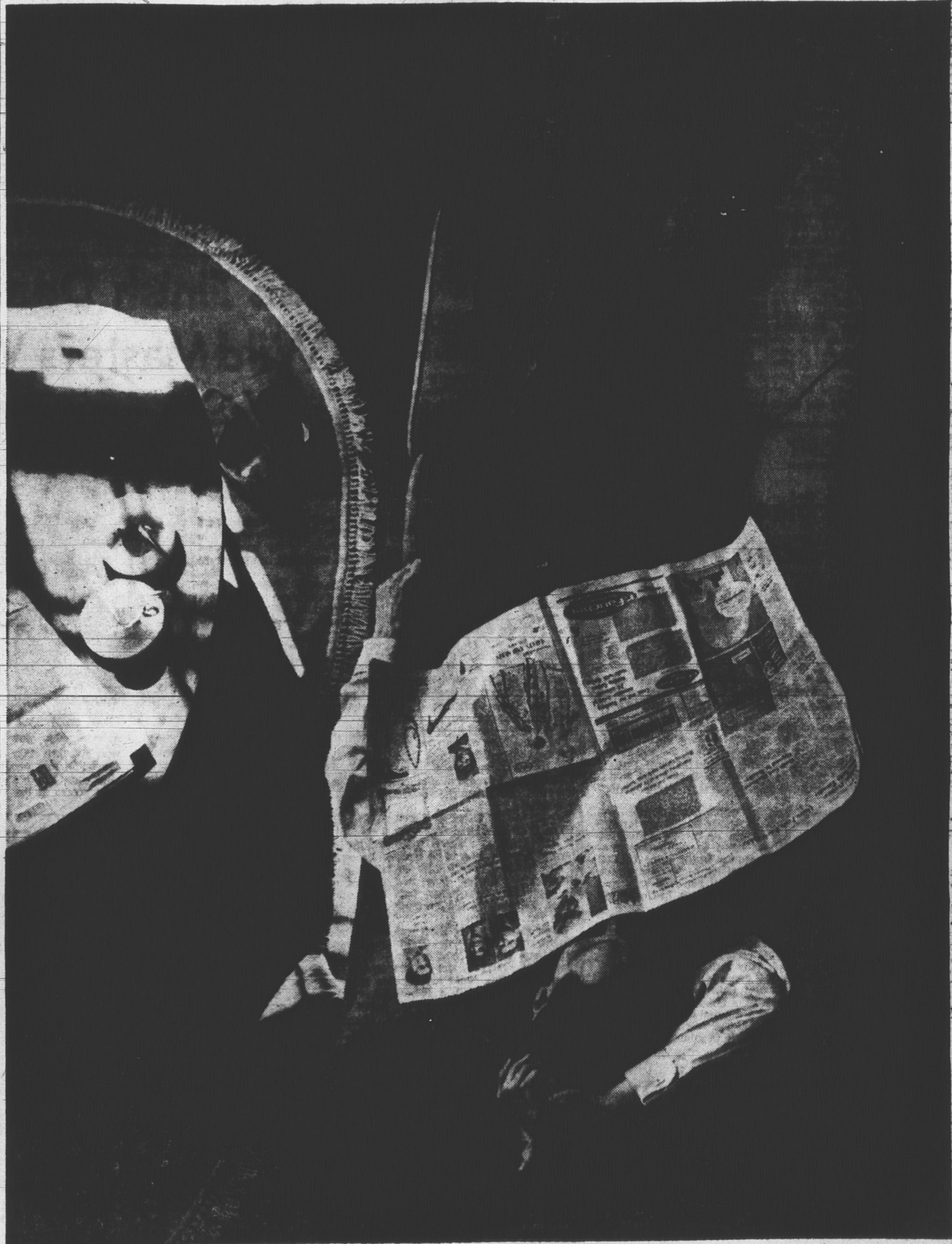
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