

model specialist for the hydraulics section at the National Research Council, to forward proposals for undertaking a new model study. Mr. Jarlan is presently in Europe consulting with specialists in the field to determine if there is any previous work or new studies which can be adapted to this particular problem.

The model study that Mr. Jarlan has already carried out was simply a flume study on a short x-section of the causeway fill as it would be in 80 feet of water. It did not study the effect of tidal variations caused by damming the strait—this was carried out on a mathematical computer model. Were a major model study carried out of the entire strait to determine the effect of massive ice movement, then it might also be possible to check the tidal variation studies.

At present, there is no hydraulic tray or lab large enough to handle a normal-scale model of the strait. However, C.B. Williams, Deputy Works Minister (technical) says he considers it possible this major model study will be undertaken—but a definite decision to do so will have to be made on the basis of Mr. Jarlan's findings and proposals on how to attack the problem. One idea that has already been considered includes using paraffin blocks to simulate ice masses.

RAIL PROVISION—When questioned on the possibility of incorporating tunnel work into the crossing, Mr. Williams acknowledged that when it came to final design, and if the rail provision clause could be satisfied, then the elements of all three—causeway, bridge, and tunnel—could possibly be utilized. And, quite definitely, present thinking is to include provision for rail traffic. For if this were excluded, ferries would have to be continued for heavy freight, especially agricultural products, and this would mean almost as heavy losses as at present with ferries, and would greatly reduce the savings expected from a crossing.

That's the picture, as summarized from the trade publication article above mentioned. We trust now that the Minister will be asked to confirm it in Parliament, and supply what further information may be needed from time to time to keep us abreast of what is going on.

SHOULD BE OFFICIAL—Unofficially—through the current issue of Heavy Construction News, a Toronto publication—we have been given the kind of information for which we were waiting. The article, entitled "Is P.E.I.'s Crossing Coming Closer?" answers this question in the affirmative but holds out little hope of an early start being made on the project.

The prospects, it concedes, were never brighter from the standpoint of test results, and from the political climate which appears to be warming toward the undertaking. But an actual start, even under the best of circumstances, seems several years away. This should rule it out as a vote-catcher in the coming election.

The article goes on to say that a bridge design across the entire nine miles is definitely not feasible. This leaves the present possibility of bridge sections in the shallow protected waters and perhaps major sections with massive fender-protected piers in open water. These bridge sections could then be connected by a causeway at either side. Another alternative would be to incorporate the fairly new idea of prefabricated tunnel sections in the deeper water most susceptible to ice action.

Bridge sections in shallow water connected to massive island causeways, in turn connected to underwater tunnels, would then be the result. This plan would be almost identical to the \$200 million 17½-mile crossing now under way between New Jersey and New York across Chesapeake Bay. But the stumbling block here is the railway link. The problem of ventilation, grades, and the cost factor are against the tunnel idea.

ICE HAZARDS—This is still the major problem, due to the danger of ice masses peeling armor stone off the rockfill, and thus exposing the core material to the ravages of wave and wind. That this could happen is as yet only a conjecture. It could be that sufficient ice would form next to the fill to protect it from floating ice. Ice fenders could be put out at considerable added cost. But if ice damage were to occur it could so raise the maintenance costs of the causeway as to make it uneconomical to build in the first place.

To investigate the possible movement of ice in the strait the Works Department has asked G.E. Jarlan,



VOLUNTEER FIRE DEPARTMENT

BERLIN REPORT by Patrick Nicholson

Belated Justice For Chinese-Canadians

The linen dirtied in one of the most sordid attitudes in our history was further sullied during the Throne Speech debate. I refer to the shameful consequences of the inhuman Chinese Immigration Act which even that dedicated Liberal politician Jack Pickersgill has described publicly as one of the acts by Liberal governments "of which I, as a Liberal, am not very proud."

Chinese immigrants were admitted, but more than half of those are estimated to have attained Canada under false particulars. Canadian citizens and residents of Chinese origin did not enjoy the generosity extended to say German-Canadians or American-Canadians in the classes of relatives whom they might sponsor as immigrants. These restrictions would only admit wives or husbands, unmarried children under 18, and old parents. This was a gross inhumanity towards settlers who naturally desired to be reunited with their families.

It abundantly clear that this investigation was aimed at killing the racket, at regularizing the position of the Chinese who had entered Canada under false particulars, and especially at making it clear to the Chinese that they could now obtain the full assistance of her department in arranging the entry of relatives without paying extortionate fees to agents.

PUBLIC FORUM

This column is open to the discussion by correspondents of questions of interest. The Guardian does not necessarily endorse the opinion of correspondents. All letters published are subject to editing and condensation where necessary. The Guardian is unable to enter into any correspondence regarding letters submitted.

JAIL CONDITIONS

Sir,—I feel it is my duty as chairman of the Public Buildings Committee at the last session of the Legislature, whose duty it is to inspect all Provincial Government buildings, including Queen's County Jail, to reply to a letter in Saturday's Public Forum by Mr. Errol Sharpe, of the Older Boys Parliament, about the unfair accusations made by them. The day the report appeared in the Press I visited the jail, talked with the prisoners, who had no complaints as far as accommodations or heating were concerned. He must realize this is an old building, finished in dark colors therefore it is hard to make it look clean, including the floors, but I am sure it is reasonably clean and warm at all times.

Caribbean Conundrum

Ever since Jamaica said farewell to the proposed West Indies federation after a referendum last year Britain has been pondering the conundrum of a long-term Caribbean policy. Basically Britain is anxious to reduce her overseas financial commitments and rip off the last labels of imperialism. The federation would have been the ideal solution for the West Indies. As the new nation gained economic maturity the steady stream of grants and loans from Britain's purse would have dried up.

POTATO PRICES

Sir,—I trust that farmers all over Prince Edward Island will not listen to statements about the price of potatoes dropping, for I do not think that is true. I say hold for \$1.00 per 75 lbs. and no one should sell for less. Let's show them they can't scare us old chaps.

MEETING IN PROGRESS

In London this week, Colonial Secretary Reginald Maudling and Prime Minister Norman Manley of Jamaica are discussing Jamaica's draft constitution. The constitution, agreed on by government and opposition parties in Jamaica, is almost certain to be acceptable to Britain. The main problems are how the common services between independent Jamaica and the other West Indian islands. Maudling, who recently completed a two-week tour of the British Caribbean, will be left with the problem of working out the political future of the other nine islands that would have been in federation.

NOTED GARDENER

VICTORIA (CP)—Hugh Lindsay, former head gardener and planner for the world-famous Butchart Gardens near here, is dead at 88. He developed the gardens into a famous tourist attraction.

EDITORIAL NOTES

In a unanimous decision made public recently, the Missouri Supreme Court upheld the constitutional right of St. Louis county to fluoridate its water supply by ordinance. Missouri thus becomes the ninth state in the U.S. in which the highest court has taken such affirmative action in regard to this public health measure.

Research Probes A New Concept

By Dr. Theodore R. Van Dellen CAN the body become sensitive to itself? Probably, provided we recognize an important new concept—the auto-immune response. The medical profession is in the throes of working on this theory, which may explain the cause of some of our most baffling diseases.

Immunity is a complex process. After an individual acquires an infection, the defense mechanism of the body goes to work and manufactures antibodies to fight the invading germs. It does the same to protect itself against tumor cells or any other foreign agent.

According to the new concept, the body is capable of producing antibodies against its own normal cells and evidence is mounting that this occurs in some persons. The process (auto-immunization) is a failure to recognize itself. There is a breakdown in this system because it is not normal to develop antibodies against one's own tissues.

No one knows why certain people reject their own body cells, unless the characteristic is hereditary. But this is only part of the story. The auto-immune reaction is abnormal and makes itself felt in various organs of the body. It may destroy blood cells, for example, and produce anemia or a bleeding disorder. The joints may be affected, leading to arthritis; or the bowel, causing ulcerative colitis.

One of the strange reactions occurs in dermatomyositis, a rare skin and muscle disorder. Some of these patients have an internal cancer and tests show they have developed antibodies against the malignancy. The body becomes sensitized to the cancer antibodies and this in turn is responsible for the rash, fever, and aching of dermatomyositis. Cures have been reported following removal of the cancer.

HOARSENESS

Mrs. J. F. writes: I get laryngitis three or four times a year. Does this indicate there is something wrong with the throat, such as tonsillitis?

TECHNICIAN'S OBSERVATION

O. C. writes: A technician told me my veins are knotted. What did she mean?

BOILING WON'T HELP

M. E. Z. writes: Will boiling ordinary drinking water take out the radiation from fallout?

OUR YESTERDAYS

From the Guardian Files TWENTY-FIVE YEARS AGO (Feb. 5, 1937) The showing of 37 water colors dealing with Eskimo life featured a meeting of the P.E.I. Art Society held last night in the Children's Art Centre. They were the work of Winifred Petchey, wife of Rev. Donald Marsh, Anglican Missionary at Eskimo Inlet, in the North West Territory. A short business meeting was conducted by Mr. Vic Runtz, prior to the showing of the pictures.

TEN YEARS AGO

(Feb. 5, 1952) A Dental Clinic sponsored by the Department of Health and Welfare and conducted by Dr. G. G. Orsen, D.D.S. assisted by Miss Irwin, dental nurse, was held in the Red Cross room, of the Georgetown Post Office, for the past two weeks, completing dental work on the pupils of the High School.

The Age Old Story

They that be wise shall shine as the brightness of the firmament; and they that turn many to righteousness as the stars for ever and ever.

NOTES BY THE WAY

Early to bed and early to rise makes a man miss some of the best television programs.—Ottawa Report.

A Wisconsin man fell three storeys, sat up and asked for a drink, thus reversing the usual process.—Brandon Sun.

Too many people today have a tendency to think of agriculture as a declining industry. This is not so. Canadian agriculture is expanding in all but one respect—the number of people required to run the farms.—Farmer's Advocate.

Travelers report there are more rude people in large cities than in small towns. The only explanation we can think of is that there are more people of every kind in big cities than in small towns.—Vancouver Province.

Some wretched bureaucrat in the British forestry commission has his neck in a sling for advocating that American instead of English oak be used for replanting Sherwood Forest. That would be like running up the Stars and Stripes on Buckingham Palace.—Toronto Telegram.

The Lord Provost of Edinburgh said one of the big events of his year was meeting exiled Scots in Canada and the United States. If he had asked them back to Scotland he would have found the "exiles" strangely hesitant.—The Ottawa Journal.

In the UN General Assembly last week a Portuguese delegate spoke of "the so-called situation in Angola." The statement was made in the so-called city of New York in this so-called world.—Hamilton Spectator.

Dr. Edmond Ziegler of Selstat is 94 years old and has been declared the safest driver in France. In 1885 he bought the first De Dion-Bouton car in Alsace and has been driving ever since. He has never had an accident. "For the first 50 years there wasn't enough traffic on the road to think about accidents," he said.—Derniers Nouvelles, Strasbourg.

We asked 5,000 young persons whom they would like to resemble. Boys replied: Myself, 37.1 per cent; Cosmonaut Gagarin, 14.4 per cent; Albert Schweitzer, 12.6; President Kennedy, 7; Astronaut Sheppard, 5.9; miscellaneous, 23 per cent. Girls answered: Myself, 19.2 per cent; Grace Kelly, 13 per cent; Joan of Arc, 12.2; Michelle Morgan, 11.8; Jacqueline Kennedy, 10.7; miscellaneous, 33.1 per cent.—Paris Arts.

It would add suspense to TV commercials if the unexpected were to happen occasionally. If the golf ball went through that "invisible shield" once, it might conk the announcer on the head, which would be highly regrettable, but it would guarantee a good audience for future demonstrations of this type.—Richmond Times Dispatch.

Guillotine For Debate

The Government invites the elimination of closure of debates in the House of Commons, after study by a special committee. What the committee is apt to decide is that while closure may be discarded there still should be a device to prevent a small minority of members thwarting the will of Parliament.

The suggestion of free speech was being restricted. The expectation is that the rights of free speech will be exercised with common sense especially in Parliament. They must not be exaggerated to the point where a small minority, having been heard with patience can paralyze Parliament. If the House in free discussion decides the time to be given certain business, the fall of the guillotine at the appointed hour is no injustice.

MESSAGE AND CIRCULATION

J. B. writes: Will massaging the legs of a 66 year old man help circulation?

CASH?

Advertisement for Beneficial Finance Co. of Canada. Text: "Just say the word!" "In a hurry for money? Just phone Beneficial. Get the cash you want fast. One phone call and one visit to the office does everything. Call up or come in today!" "YOU'RE THE BOSS" ... AT BENEFICIAL. Loans up to \$3000 and more. 36 month contracts on loans over \$1500. Your loan can be life-insured. 149-151 GREAT GEORGE ST. Phone: 6518 CHARLOTTETOWN. BENEFICIAL FINANCE CO. OF CANADA.

CLOSURE ABUSED

The Liberals abused closure in the Canadian House in 1958. They made it impossible for the Opposition to present a reasonably sustained protest against the pipeline legislation. National indignation was aroused at

Large advertisement for Pioneer Compact NU-17 chainsaw. Text: "PIONEER COMPACT NU-17 \$159.50 COMPLETE WITH 12" ATTACHMENTS". "Here's the ideal, all-purpose chain saw—the Pioneer-powered NU-17 with a new Tillotson carburetor to assure you of top cutting performance every day of the year." "Your Island Distributor Douglas Bros. & Jones Ltd. 155 Kent Street Dial 2-1234".