

Details Of Canada's First A-Power Station Revealed

OTTAWA (CP)—A preliminary description of Canada's first atomic power plant has been released by Atomic Energy of Canada Ltd., the crown company charged with atomic research in this country.

The company, which operates the Chalk River, Ont., atomic establishment, also announced Saturday that detailed design of the plant which will cost between \$13,000,000 and \$15,000,000, is under way.

The experimental plant, expected to produce about 20,000 kilowatts of electric power, will be built jointly by AECL, the Ontario Hydro - Electric Power Commission and Canadian General Electric.

It will be at the site of Ontario Hydro's huge hydro-electric installation on the Ottawa river near the village of Deschamps, Que., 150 miles northwest of Ottawa. The plant is expected to be in operation in mid-1958.

The probable form of the plant and details of its design will be submitted to an international conference on the peaceful uses of atomic energy at Geneva Aug. 8-20.

FIRST ACTUAL DETAILS

The government from time to time has released general information on the design of the power station, to be known as Nuclear Power Demonstration. However, this is the first time that the gov-

ernment has disclosed actual details of construction, many of them highly-technical.

The statement reiterated that NPD will not produce electricity at a competitive cost. However, its construction will provide scientists with the information necessary to build a plant that can compete with coal-burning electric stations.

Research already has started on a preliminary design of such a plant capable of producing up to 100,000 kilowatts of electricity, about the same power of plants using coal. It is not expected that atomic plants in the foreseeable future will be competitive with hydro installations.

The principle of nuclear power generation is relatively simple. Heat is transferred from the atomic reactor to raise steam which drives turbines operating electricity-producing generators. The reactor replaces the boiler and coal-firing equipment of a conventional coal-burning power station.

EXCEEDS \$11,000,000

Estimated cost of the reactor itself will be more than \$11,000,000 excluding development work. The government will contribute about \$8,000,000, provide nuclear data, be responsible for performance of the plant and process used uranium fuel.

Canadian General Electric will be responsible for the detailed de-

sign, engineering and construction of the reactor, providing about \$3,000,000. The site, buildings and the turbines and electrical generators will be provided by Ontario Hydro at a cost of between \$3,000,000 and \$3,500,000.

Ontario Hydro will operate the plant and feed the electricity produced into its power network. It will buy steam to operate the turbines from AECL, and reimburse the commission for the operating costs of the plant.

Natural uranium, possibly enriched with plutonium, will be used as fuel in the experimental reactor. The heat-producing fuel will consist of about 200 uranium rods contained in a vessel about 10 feet in diameter and 10 feet high.

The statement said that two heavy water systems will be used in the power plant. One system will enable scientists to control the action of the atomic fission inside the reactor and the other will permit production of steam.

Heavy water, is produced by a highly-technical electrolytic process at the smelter plant at Trail, B. C. However, Canadian production only about six tons a year and it will be necessary to obtain some supplies from the United States.

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Eastern Guardian

TARTAN CHINA cups and saucers. 16 tartans including MacLeod and MacDonal, \$1.75 or \$2.00 mailed. Bochner's Jewellers, Montague.

LOADING PULP - The M.V. Dignite Tost registered in Copenhagen, Denmark, arrived in Souris yesterday. She is captained by Bertram Larsen and carries a crew of 26. She came to Souris from Georgetown with a part load of peeled pulp and will complete load with 12,300 cords of peeled pulp which is destined for Calais, France. Loading operations will begin this morning.

RETURNS TO ONTARIO Miss Anne McEachern, Deaconess in the Presbyterian Church in Canada left yesterday on return to London, Ontario, after spending the past two months at her home in Montague. Her friends are happy to learn that Miss McEachern's parents, Mr. and Mrs. William McEachern have completely recovered from their recent illness.

FUNERAL SUNDAY—The funeral of the late W. A. MacKinnon was held Sunday morning from the residence of his son, Urban, at St. George's Church, St. George's, where Requiem High Mass was celebrated by Rev. Charles MacDonald. The service at the grave was conducted by his pastor, Rev. Bennett MacDonald. The funeral Mass was sung by Mr. Frank Flood of Charlottetown. The pall bearers were Augustus MacDonald, Louis Campbell, P. R. Cormac, Francis Campbell, Ernest Gallant and Patrick Doyle. Interment was in the church cemetery. The funeral was very largely attended.

THIRD HIGHEST

Kanchenjunga in the eastern Himalayas, the third highest mountain in the world, is 28,146 feet high.

Reviews Events Leading To Expulsion Of Acadians

By THE CANADIAN PRESS

One night in February of 1747 French troops from Quebec, accompanied by Indians and guided by Acadian farmers, slipped into the village of Grand Pre in the British colony of Nova Scotia.

There certain Acadians pointed out to them the homes in which were billeted a detachment of New England soldiers. Within minutes the houses were chopped to death with axes and tomahawks as they slept.

It is from the papers of capitulation signed by the surviving New Englanders after this incident - "Done at Grand Pre, the 12th of February, 1747" - that Will B. Bird takes the title of his review of events leading up to the expulsion of the Acadians in 1758.

INDICATIONS

Israeli investigators returned to the Greek frontier with photographs of the wreckage Saturday night. These are to be studied in an attempt to decide how the airliner was shot down.

PLANE WAS ON COURSE

Masriv's correspondent claims the airliner was on course inside the air corridor (which runs along the Greek side of the border) when Soviet-made jet fighters swooped on it.

"It is uncertain whether the Constellation then changed course willingly, or was forced to do so by the Bulgarian fighters," he added. "But when the plane was over Bulgarian territory with smoke coming from its flanks, and speed diminished, the captain attempted a forced landing."

The correspondent continued: "At this point, the two Bulgarian jet fighters circling above dived again, attacking it (the airliner) as it was falling."

He said the plane exploded about 1,000 feet above the ground.

Newsman Sees

this point the little launch raised the Canadian Red Ensign and underneath it the Marilyn Bell flag, a bluebell with one blue maple leaf on either side on a white field.

Shirley Dunbar, a Nottingham girl who entered the water ahead of Marilyn, was left behind about 10 a.m. and later taken out of the water.

PACERS BIG HELP

Marilyn got a big lift from the five British youths who acted as her "pacers." They kept her company, joked with her, laughed and kept her from wandering off course.

Seasickness pills were prescribed for those aboard the launch, and there were many takers.

Marilyn took nourishment about every hour. She would take a cup from Ryder, tread water, guard the cup from the waves and toss it back quickly, usually making a joke as she did so.

The real ordeal began about 3:30 p.m. She was no longer so fresh, her arms were rising and falling

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FLYING FISH LANDS ON VERANDAH

This four-foot, 14-pound sturgeon, Bay today as Hudson sat in the shade just around the corner. His house is a quarter-mile from the St. John River. Clawmarks in the tail indicated the fisherman was an eagle that couldn't handle its big catch in the air (CP Photo)

Sees Struggle Shaping For Middle East Favors

By WILLIAM L. RYAN AP Foreign News Analyst

A big political struggle between the East and West for the favors and loyalties of the Middle East is yet to come. While the broad problems of international tension in Europe and the Orient dominate the world spotlight, little public attention is paid to a series of warring nests being stirred up in the vast strategic area made up of the Middle East, East Africa and North Africa.

In a determined campaign, directed both to the Arab world and black Africa, Egypt pictures herself as standing at the head of the Arab people against alleged imperialist designs of Britain and the United States.

Cairo denies the Egyptians have any imperialist designs of their own while it pushes hard on the theme of union with the Sudan to the south. It accuses Ethiopia, by inference, of planning to dominate the Sudan with the help of the British and Americans.

Demonstrations At Singapore

SINGAPORE (Reuters) - Colonial secretary Alan Lennox-Boyd was met by shouts of "merdeka" (freedom) from hundreds of Malay and Chinese demonstrators when he arrived here Sunday night to come to grips with British rule.

Police in the crowds, spotted with placards denouncing "colonialism" and calling for immediate self-government.

Lennox-Boyd, who flew here from Hong Kong, is facing demands by the colony's first elected government for full self-rule free from veto by Governor Sir Robert Black.

Asked if he thought the constitutional crisis here could be solved, he told reporters: "I will always remain hopeful."

FIND RELICS

BELL ISLAND, Nfld. (CP) - Workers building a new ferry dock recently dug up an old canon. Three days later another group working a short distance away found a canon ball to fit the canon. It was not known how long the relics had been buried on the beaches.

more slackly.

Once, two miles out, she paused for no apparent reason, then struck out again. A pacer came back and reported: "She's getting tired now. We seem to be going straight into a tidal pull. She keeps changing her speed."

At 7:40 Marilyn seemed to have it licked. The tide had started to turn.

At 8:05 the sun went down and atop the cliffs people could be seen silhouetted as they watched the drama of the sea. Five minutes later she was in extremely calm water and at 8:29 it was over and she was dragging herself up on the beach.

She spent about five minutes ashore, bundled in blankets, then went into her boat to ride back to Dover.

NEED OUTSIDE THREATS

Egypt's economy depends upon the Nile, and it has always worried about the river; which rises in Ethiopia. Joins the White Nile at Khartoum in the Sudan.

Aside from the worry over the Nile, there probably are a number of other reasons for Egypt's actions. One reason could be that the revolutionary government, which first ousted King Farouk and then threw out Mohammed Naguib, the symbol of the movement, needs outside threats to keep the flame of Egyptian nationalism burning as a unifying force to maintain the government's ascendancy.

"GOOD SAMARITAN" THIEF

TORONTO (CP)—Police are trying to solve the "case of the good Samaritan gunman" after Cole Locke was robbed of his wallet and \$3. Detectives said they were looking for a youth who held up Locke after offering him a ride home in his car. Locke told police the young bandit pulled a revolver on him shortly after he got into the car.

NO FUTURE OUTLOOK

MOOSE JAW, Sask. (CP)—The city council and chamber of commerce have described a golden jubilee film, "The Face of Saskatchewan," as being "rather disappointing." They say it gives no outlook for the future, deals only with farming and ranching and places too much emphasis on weather extremes.

LAURA SECORD EXHIBITS

NIAGARA-ON-THE-LAKE, Ont. (CP)—A lock of Laura Secord's hair and a shawl she wore on her perilous 14-mile walk to warn British troops of an impending attack in the war of 1812 will feature a Niagara Historical Society display at the Canadian National Exhibition, Niagara-on-the-Lake museum officials announced Saturday.

LOBSTER SUPPER

GEORGETOWN RINK
Wednesday, August 3
Games Galore, Dance in Town Hall
Downtowners Orchestra
Supper Admission—\$1.00 and .50 cents
Dance Admission—.60 cents
Suppers Served From 5 to 9

YEO THEATRE MONTAGUE

MONDAY-TUESDAY - 4-2 - ADM. 30c-46c

"SABRINA"

Color - Audrey Hepburn - Humphrey Bogart - Ray Milland.

NONE BETTER - FEW AS GOOD

MAYFAIR THEATRE

MURRAY RIVER - MONDAY - TUESDAY - WEDNESDAY

"Davey Crockett"

KING OF THE WILD FRONTIER

Starring - FESS PARKER as DAVEY CROCKETT

Filmed in TECHNICOLOR

Also - "ARIZONA SHEEP DOG" in Technicolor

SHOW TIME - 8:30 p.m. MATINEE - Tuesday 2 p.m.

Montague Legion Auxiliary Picnic

A large number of the members of the Montague Legion Auxiliary and their families enjoyed the annual picnic held Wednesday afternoon at Pleasant Point. The afternoon was spent in swimming, games and sports. Following a delicious supper, ice cream was served.

The following are the events and winners of the sports:

Six years and under—Ann McCarron, Irene McCarron.

Seven years—Kenneth Campbell, Ann McCarron, Marlene McGowan.

Eight years—Lila Dewar, Helen McCarron, Lynn MacDonald.

Ten years—Jan Campbell, John Clair.

Thirteen years—Margaret MacLean, Dianne Shaw, Isobel Dewar.

Free-for-all—Dianne Shaw, Margaret MacLean, Ian Campbell and John Clair.

Ladies—Anna McKeeman, Henrietta Clair, Hazel Hooley.

Chinese See

there on spy charges. The U. S. wants the airmen released as well. A short time after Wang made his remarks to the press, Johnson arrived from Washington where he discussed the American position with administration officials.

Johnson was not committal when interviewed at the airport. But he said he is "prepared to stay here as long as is necessary" in his attempt to settle four questions with Wang.

The four-point U. S. program for the talks, as outlined by state secretary John Foster Dulles last Tuesday, is:

1. Release of U. S. civilians and airmen detained in Communist China.
2. Satisfying the Chinese Communists that all Chinese students in the United States now are free to leave.
3. Arranging precautions to prevent incidents like the shooting down of a British airliner by Chinese Communist planes a year ago.
4. Most basically to determine "whether there is apt to be a cease-fire" in the Formosa area.

Chinese See

Wang said that "provided both sides share the same desire and sincerity, it should be possible in the forthcoming talks to reach, first of all, a reasonable settlement on the question of repatriation of civilians."

"Further more these talks will be even more significant in that they will contribute to the relaxation of tension between China and the United States."

"The Chinese people do not want to have a war with the United States of America."

The talks here were proposed by the United States July 11 through Britain on the eve of the Big Four Geneva conference between the Western and Russian heads of government.

Liquor Seized

GRAND BANK, Nfld. (CP) - RCMP from the detachment here Saturday raided the nearby settlement of Lories and seized a cargo of liquor valued at several thousand dollars.

The contraband cargo contained about 200 bottles of assorted liquor as well as 435 gallons of alcohol. The dory used in transporting the liquor was also seized and charges will be laid against two or three men in the village, police indicated.

Happy Birthday

WE'RE CELEBRATING OUR BIRTHDAY WITH A THRILLING WEEK'S PROGRAM OF EXCITING MOVIE HITS!

BRING THE FAMILY! AND JOIN IN THE FUN!

Show Starts at Dusk

Rain or Shine

NORTH RIVER DRIVE-IN

ENTRANCE

TODAY and TUESDAY

THRILL to miracles of science beyond imagination! ... sound that can kill! ... light that melts steel! ... cold that brings immortality! ... men and women lighter than air! ... an electronic miracle brain! ... robots that think! ... a station in space! and the incredible moment when THE MACHINES DESTROY THE MAKERS!

Built to serve man... it could think faster! Kill faster!... THEN SUDDENLY IT BECAME A FRANKENSTEIN OF STEEL!

Released thru United Artists

EXTRA! "CARNIVAL IN APRIL" and "CARTOON 'WACKY-BYE BABY'"

COMING HITS OF THE WEEK!

Wednesday and Thursday
Louis Hayward, John Sutton
"CAPTAIN PIRATE"
Friday and Saturday
Audie Murphy, Paul Kelly
"GUNSMOKE"
Sunday Midnight
Watch Out For...
"THE SNIPER"
ADULTS 60c

COME AS YOU ARE - DON'T DRESS UP - INDIVIDUAL SPEAKERS - YOUR CAR IS YOUR THEATRE - UP-TO-DATE SNACK BAR - CLEAN RESTROOMS - BRING THE KIDDIES. NO BABY SITTER CHILDREN UNDER 12 FREE AT ALL TIMES.

On Summer Cruise In 18-Foot Mackerel Boat

A nameless 18 foot mackerel boat, equipped with centre board and rigged for sailing put into Charlottetown Harbour late yesterday afternoon and hove to at the Yacht Club. Aboard the two-masted, lugsaft craft were two youthful adventurers, Sam Manning, Boston and Donald Loomis of Southern California.

The pair, in their early twenties, are on a summer cruise to Newfoundland through the Bay of Fundy. They are working on a story and delving into the history of ship building in the many places visited. Manning is the writer and Loomis the photographer.

Yesterday they were kindly shown about the City by Mr. and Mrs. Wilbur Andrew.

The seafarers left Portland, Maine, some four and a half weeks ago and since that time have sailed at a dozen places including Monhegan Island, Vinalhaven Island, Bar Harbour, Cutler, Maine, Quoddy Head, Beaver Harbour, Saint John, Quaco Harbour, St. Martin's Head, Alma and Sackville.

Equipped only with sail and oars, they estimate they have rowed about half the distance and have experienced quite rough weather.

The pair and their craft were hauled out of the marshes near Sackville by a friendly farmer with tractor and they trucked to Port Elgin. Manning opined it was the first modern portage of

its kind. They expect to visit Cape Breton following a two day stay here.

Their strange voyage is the result of a friendship formed while serving with the United States Navy. Their acquaintance began through "blinking light" messages and flourished in that line until they met Manning, a student at Bowdoin College, prepared the craft and together they planned the voyage along the Canadian eastern seaboard.

Heiress Takes Her Own Life

NEW YORK (AP) - Miss Alice Belmont, one of the heiresses of the gigantic fortune of banker August Belmont Jr. was found dead Sunday in her gas-filled apartment. Police listed the death as apparent suicide.

Miss Belmont, 44, inherited one of the most glittering names in the social register. She was prodigal with money when she was younger and this led members of her family to have her certified as incompetent to handle her own affairs in 1949.

The family testified that in less than two years during the depression she ran through \$70,000. After that family dispute, Miss Belmont became interested in medicine and studied to become a registered nurse. She was licensed in 1945.

Her grandfather, August Belmont Jr., second in the line of bankers of that name, was one of the wealthiest men in the United States.

MODEL SEALERS

ST. JOHN'S, Nfld. (CP) - The evolution of the sealing fleet is going to be depicted in the new museum here by Ern Maunder, one of the province's best model-boat builders. He is to build an old sailing sealer, a combined sail and steamboat and a steam sealer.



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