# Britain Working On Using Hydrogen Power For Peace

GENEVA (CP)—Britain told the world Wednesday she is working to harness the enormous power of the hydrogen bomb for peaceful purposes.

Sir John Cockcroft, director of Britain's Harwell atomic energy establishment, told a press conference at the world atoms-for-peace congress here of the latest step in thermonuclear research.

Cockcroft faced a barrage of questions about Britain's work in the hydrogen field. But though he told reporters "the lid has been well taken off" at the conference, he was close-mouthed about details of Britain's H-research.

However, another British scientist, Sir George Thomson, estimated that a reasonable period for successfully developing hydrogen power would be "a generation."

**MAY BE 20 YEARS**

Cockcroft said he doubts anyone could forecast now when this great power would be harnessed, although Dr. Homi Bhabha, Indian conference president, fixed the time at 20 years hence in a speech here Monday.

Russia announced last July 1 that it was doing research on the question of harnessing H-bomb type energy. The United States is expected to have something to say on the subject today.

A detailed paper on the economic possibilities of nuclear power in Canada was presented by Dr. W. B. Lewis, chief scientist at the Chalk River atomic energy plant, and Dr. John Davis, economic adviser to Trade Minister Howe. They said that in 10 years Canada may be producing atomic power to compete with coal and water in southern Ontario.

Engineering and economic studies at Chalk River suggest that nuclear plants capable of producing power at a price of six mills a kilowatt "would be under construction within the next 10 years," the paper said.

**HYDRO STILL MAIN SOURCE**

By 1980 atomic energy power might provide 10 to 15 per cent of Canada's total electric power requirements although hydro power would still be the main source of supply, the paper said.

The paper said one important advantage of nuclear power would be the setting of a ceiling on power costs "in regions of the country where there is a shortage of electric energy," reducing wide price discrepancies between different areas.

The low fuel costs of nuclear power "might be low enough to make the economics of the future atomic energy plants resemble more closely those of Canada's existing hydro-electric installations rather than those of steam plants burning coal or petroleum."

**AMPLE RESOURCES**

A leading U.S. authority told the conference "the nuclear power era will have abundant fuel resources."

Jesse C. Johnson, director of the division of raw materials for the U.S. Atomic Energy Commission, said the world's resources in nuclear fuels exceed those of all other types.

"There are adequate resources of uranium and thorium for a long-range expanding world power program," he said.

"Uranium can no longer be considered a rare metal. There are extensive deposits throughout the world and there are processes for extracting the uranium economically."

**VAST PROGRAM**

Cockcroft, meanwhile, told the 72 scientific delegations that Britain is embarking on a vast program of atomic power station construction. By 1975, he said, nuclear power should "be doing the work of at least 40,000,000 tons of coal a year—providing about 40 per cent of the energy for electricity" in Britain.

He said Britain expects to build 12 atomic power plants for completion between 1960 and 1965, producing a total capacity of 1,000,000 kilowatts a year.

Cockcroft also predicted sharp improvements in uranium utilization so that by the year 2000 it might be possible to tap the equivalent of 1,000,000 tons of coal from a single ton of uranium.

**STRESS DANGER**

The problem of safety against radiation continued to play an important part in the discussions.

Two British scientists, W. G. Marley and T. H. Fry, said in a paper that an accidental release of a big amount of radioactivity from an atom power station would kill everyone within about 2,000 yards.

"It is especially important to avoid the setback which a major disaster at an early stage would impose on the atomic energy industry," they warned.

British scientist Dr. J. F. Loutit presented a paper which said scientists regularly using radioactive materials run "a very real hazard" of sterility or impaired fertility. Experiments showed that exposure to relatively low radiation over a long period appeared to be more damaging than a single exposure to acute radiation.

C. F. Davidson, of the Geological Survey of Britain, reported that British mining firms had started a big-scale search for uranium in central Africa.

## Army To Test New Type Of Coal-Burning Furnace

OTTAWA (CP)—The army will test next winter a new type of coal-burning furnace that may help the Maritimes' sagging coal industry.

The newly developed automatic furnace will be tried out in 15 houses to be built as permanent married quarters at Camp Gagetown, N.B., the army's largest camp.

The hot water furnace was designed to use the type of coal produced in the Maritimes, now hard hit by lack of markets for its coal. The down-draft furnace, developed Dominion Steel and Coal Corporation, is equipped for automatic firing and ash removal.

The works department said in a statement a comparison study between the units and 15 oil-burning furnaces in other camp site homes will be made to determine tenant satisfaction, fuel and maintenance costs.

The department said the results should influence decision on the types of heating units specified for future national defence house-building projects in the Maritimes.

## Gunfire Flares In Love Nest

LOUISVILLE, Ky. (AP) — One man fell dead as gunfire flared Sunday when two men discovered that both were paying the rent on an apartment for the same woman.

Charged with murder was 32-year-old William Ballinger.

Ballinger told detectives he found Shiley Lee Mays, 25, alone and asleep at the apartment of the 26-year-old Vivian Cotton early Sunday.

Ballinger said Mays woke up and asked him what he was doing there.

"I pay the rent here," Ballinger replied.

"I pay the rent too," Mays replied.

Ballinger said he fired a .38-calibre pistol when Mays started toward him.

**MOSTLY SMALL**

Oslo and Bergen are the only two cities in Norway with populations of more than 100,000.

## Novitiates Honored Prior To Departure For Montreal Convent

On Tuesday evening, August 2 a large number of friends gathered at the home of Mr. and Mrs. Walter Walker, Johnston's River to bid farwell to Miss Mary McKenna, daughter of Mr. and Mrs. Fred McKenna, Mermaid, and Miss Mary Cummiskey, daughter of Mr. and Mrs. John Cummiskey, Charlottetown, who leave this week to join the Congregation of Notre Dame at Montreal. After a brief introduction by Mr. Peter Driscoll an address was read by Miss Doris Trainor and a suitable gift presented to each of the girls by Miss Edna Walker. This was fittingly replied to by the young ladies, who expressed their thanks to one and all for their thoughtfulness.

Rev. Fr. Butler then spoke briefly, complimenting the girls on their vocation, and assured them that his prayers would be always with them. Miss Betty Praught, on behalf of their girl friends, wished the young bladies every success. Mr. Harold McIntyre, Grand River, then expressed his pleasure of being present for this occasion and wished the girls the best of luck on their sojourn.

The "Singing of "For they are jolly good fellows" brought this part of the evening to a close, and after refreshments were served, dancing and singing were enjoyed until the small hours, when all departed to their homes. Following is the address:

"Dear Girls!

"When something exciting or remarkable happens in the world, we all pause for a moment and take notice. So it is when an event takes place in our own small community. But when that event happens to be that two of our choicest young ladies decide to choose another way of life, then it is indeed noteworthy. Not often do we have the opportunity of seeing one or two local girls choosing to hook their chariots to the "Star of Mary", The Immaculate Mother, and turning their backs upon all the world with its many and varied attractions.

"While we are sorry to lose our young people from amongst us, yet it gives us all great pleasure and real inner pride to know, that our girls have the foresight and keen sense of values which enables them to distinguish between the things of eternal values, and the fleeting pleasures of this life.

"And so dear friends, we the people of this community, old and young, wish to congratulate you both on your courage, which has enabled you to put aside, what has been dear in life, in order to follow in the footsteps of your Divine Master.

We must not forget to include in our congratulations, your dear parents, who by their daily lives have been a source of inspiration to you, fostering in you the vocations of choice, so that you prefer as the Psalmist said "To be a servant in the house of your God, rather than to dwell in a palace of kings".

"In conclusion, dear girls, we ask you to accept this small gift, as a proof of our affection for you. But we beg of you not to consider it a sum total of our esteem of you, or of the worthiness with which you have filled your places in our midst. These are things above, and beyond commercial valuation.

"May we ask you to remember us in your prayers and supplications, as it will ever be one of our greatest pleasures, to beg of God the graces, which will enable you both to fulfill the duties of your new station in life."

Signed on behalf of your friends of Johnston's River and surrounding districts.

## British Poet, Teacher Has Poor Opinion Of Canadians

LONDON (CP)—Patrick Anderson, British poet, professor and seeker after reality, lived and taught in Montreal in the 1940s. He became a Canadian citizen, but his impressions of his adopted country appear unfavorable.

In "Snake Wine," published here (Chatto and Windus), he makes these passing observations:

"Canada . . . the whole 4,000 miles of it, all railways and geographical loneliness and a sort of half-repressed heroism, with the clotted self-conscious cities full of nationalistic culture and the very deft, rather conservative, accumulation of money, and underneath an automatic well-fed innocence, like the bloom on skin; aggression is a virtue there, every young man is dynamic, every girl vital."

"Violence is . . . a feature of Canadian life . . . but in Canadians themselves the theme of violence is usually repressed in favor of a queer undecided ordinariness and ugliness . . . Everyone seems to be biding their time, holding themselves in, concentrating on not being English, not being America . . ."

This held-back violence, Anderson adds, expresses itself "at its freest in ice-hockey, at its ugliest in the pathologically bleak interior of a Montreal tavern, at its nastiest in juvenile crime, at its most bewildered in politics, at its most nationalistic or precious in literature or art."

Anderson, 40, is a native of Surrey, England. In Canada he first taught school and then became an assistant professor at McGill University. He went to Singapore in 1950, stayed 18 months and now teaches at Dudley, near Birmingham. The book is largely concerned with his experiences as lecturer on English poetry at the University of Malaya.

Anderson's book somewhat perplexes British critics. They find it uneven, with some unexpected faults, but full of promise. The Sunday Times, calling his set piece on Canada "brilliant," says the book reflects the "picturesque disillusion of a gifted writer."

He has had three volumes of verse published, but this is his first book. He studied at Worcester College, Oxford, where fellow undergraduates included Christopher Mayhew and Woodrow Wyatt, British politicians now, and Philip Toynbee, writer and son of historian Arnold Toynbee.

## Horsepower and HORSE COLLARS

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Just goes to show that in this age of aluminum it isn't just the newest marvels that make use of aluminum but some of man's oldest inventions, too. Which is one of the reasons why we have already started work on expanding the ingot capacity of our new development at Kitimat from its present 91,500 tons a year to 331,500 tons.

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EXTRA SPECIAL!
YELLOW-EYE BEANS
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30 Oz. Tins
2 for 29c

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| Qt. Molasses | 33c |
| Stickey 16 oz. pkg. Raisins | 2 for 49c |
| Shredded Wheat | 2 pkgs. 35c |
| Milk | 2 Tins 29c |
| Eagle Brand Milk | Tin 29c |
| White Swan TOILET Paper | 3 Rolls 35c |

YOUR FAVOURITE CAKE MIX

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CANADA'S FASTEST-SELLING CAKE MIXES—BY FAR!

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| FRESH String Beans | 2 Lbs. 29c |
| NEW ISLAND Cabbage | 18c |
| NEW Bunch Beets | 2 For 29c |
| NEW Carrots | 2 Lbs. 25c |
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| JEWEL Shortening | Lb. 25c |
| Aylmer Prune Plums | 2 Tins 37c |
| GLOBE PEARS | 2 Tins 37c |

SAVE 15¢

2 pkgs 49c

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| McCormick's FIG BARS | 16 oz. pkg. 29c |
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**6 NIGHTS, 5 BIG DAYS**

# OLD HOME WEEK

**AND**

# Provincial Exhibition

**OPENING CEREMONIES**

IN JONES LIVESTOCK ARENA

**MONDAY at 7.30 p. m.**

(ALL TIMES DAYLIGHT SAVING)

**SPEAKERS WILL INCLUDE:—**

DR. J. P. LANTZ, President of the Charlottetown Driving Park and Provincial Exhibition Association

THE HON. T. W. L. PROWSE, Lieutenant Governor of the Province.

HON. A. W. MATHESON, Premier of the Province.

HIS WORSHIP MAYOR J. D. STEWART, Mayor of the City of Charlottetown.

HON. EUGENE CULLEN, Minister of Agriculture.

HON. R. H. WINTERS, Federal Minister of Public Works, will officially open "OLD HOME WEEK" celebration.

## HARNESS HORSE RACING

The program this year calls for racing every evening Monday to Saturday and afternoon cards Tuesday, Wednesday, Thursday, Friday and Saturday. Racing times are 8:45 and 2:30. Some highlights are:

MONDAY NIGHT—
Jr. Free-For-All and Three-Year-Old Pace.

TUESDAY NIGHT—
No. 1 Free-For-All.

SATURDAY AFTERNOON—
Invitation Free-For-All

## LIVESTOCK

Livestock judging will open Tuesday at 9 a.m. and follow through each day until completed.

Tuesday, 9 a.m.—Swine, Sheep and Poultry

CATTLE

Tuesday, 10 a.m.—Judging Steers and Sale.
Wednesday, 8 a.m.—Holsteins, Shorthorns, Guernseys
Thursday, 8 a.m.—Jerseys, Ayrshires, Herefords.
Friday, 8 a.m.—Red Polls, Angus and any unfinished classes.

## HORSES

Monday, 8 a.m.—Standard Bred Horses and Roadsters. Upon completion of these two classes, Clydesdales, Percherons and Heavy Breeds will be judged. All horsemen, owning show horses are asked to be present Monday and Tuesday as they may be called to the ring at any time after completion of the first two classes.

## VAUDEVILLE

The Vaudeville program will open Tuesday with performances each afternoon and evening until Friday in the Jones Live Stock Arena.

## THE MIDWAY

Fun on the Midway will be provided again this year by the ever popular Bill Lynch Shows. There will be fun for all, young and old, in the latest rides, feature shows and side shows.

## WOMEN'S INSTITUTES

Handicraft, home cooking and preserving and a flower display will be exhibited in the Women's Institute Show Building at the Fair from 9 a.m. to 9 p.m. each day. The large list of entries attests to the growing popularity of this feature of OLD HOME WEEK.