U.S. Presents Blueprints Of Atomic Research Reactors

GENEVA (CP) — The U.S. took the initiative Tuesday in "peaceful co-operation" by presenting delegates at the atoms-for-peace conference here with complete technical data of atomic research reactors now in use in the United States. Canada is expected to do the same shortly.

Admiral Lewis Strauss, chairman of the U.S. Atomic Energy Commission, handed over the blueprints in eight volumes to Dr. Homi Bhabha, Indian president of the conference; Prof. Walter Whitman of the Massachusetts Institute of Technology, conference secretary-general; the six conference vice-presidents and senior United Nations officials.

The summary of the U.S. experimental work on the peaceful uses of atomic energy was compiled by the AEC expressly for the delegates of 72 nations here.

The blueprints, the U.S. delegation said, were "designed to furnish a practical basic source of technical information on nuclear energy and its application."

DETAILS INCLUDED

Details of six types of reactors now being used in the U.S. are contained in the first volume. Others include data on reactor physics, nuclear design, application to power development, materials, fuels, radiation shields and laboratory equipment.

Eisenhower, in a dedicatory message with the blueprints, said "the atom cannot be limited by national boundaries."

He declared that the U.S. is "firmly dedicated to promote international co-operation and to contribute its share of scientific knowledge of resources."

The announcement, while it startled some delegates, did not surprise Canadian officials. The information already had been made known to Canada, an official of Atomic Energy of Canada Ltd., the government's atomic agency, said in Ottawa.

He added that Canada's delegation at Geneva will distribute data about Canada's two atomic reactors built at Chalk River, Ont., atomic plant 100 miles northwest of Ottawa. The reactors, NRU and NRX, have been used for peaceful atomic developments, mainly in the medical field.

ATOMIC ERA

Meanwhile, leading Russian, British and American scientists agreed that the world is entering an era in which atomic power plants will be able to match costs of the conventional coal and water power plants.

British atomic experts told their colleagues during informal discussions that much of Britain will be atom-powered within 20 years and that from then on every power station built in Britain will be atomic.

Moreover, a conference source said, the international experts generally agreed that Britain had a three-year lead over all other countries in the practical application of atomic energy for industrial purposes, giving her a considerable lead in the atomic power race.

An American scientist, Dr. James A. Lane of the Oak Ridge, Tenn. national laboratory, said there is a good possibility that atomic power will become competitive with conventional power "within the next 15 to 20 years" in the United States.

The apparent slowness in the U.S. program is mainly a question of meeting the unusually low production costs of conventional power production. The national average cost of electricity in the U.S. ranges from four to seven mills a kilowatt, depending on how far the station is located from fuel supplies. This compares with 10 kopeks (2.5 cents at the official rate of exchange) per kilowatt for Russian central stations.

HIGHER COST

Soviet scientists D. I. Bokhintsev and N.A. Nikolayev acknowledged that Russia's 5,000-kilowatt tomic power station, now in operation, does not come near matching the average cost of conventional power production.

They added, however, that bigger stations are being designed which are capable of producing power at a cost of between 10 and 20 kopeks (2.5 and 5 cents) per kilowatt.

"This," they added, "opens up possibilities for atomic power stations to meet the growing electric energy requirements of both industry and agriculture."

The delegates heard a detailed report from W.H. Zinn of the Argonne national laboratory, Chicago, on experimental studies with a 3,500-kilowatt "boiling water" power reactor designed primarily to find ways of producing electricity cheaply.

Despite the relatively small size of the plant, Zinn reported it was turning out electricity at 30 to 34 mills a kilowatt.

The delegates also heard a note of warning from several speakers, including a British health authority, that the current race to capture world atomic markets might lead to a dangerous relaxation in radiation safety standards.

Make 3,000-mile Ocean Trip To Save San Marino

DETROIT (AP) — Sixty determined men set out Tuesday on a 3,000-mile trip across the Atlantic to "save San Marino".

The rescue was intended by way of the ballot box.

Time was short. The election is Sunday.

San Marino is a tiny nation of 14,000 population in the heart of the Italian Arpenine mountains. It is under Communist control.

AIM TO VOTE OUT REDS

Some Detroiters, all immigrants from San Marino and still citizens of the little country while their U.S. citizenship applications are pending, aim to try to vote out the Communists.

Sixteen other like-minded San Marinoans of New York were to join up with the Detroit group in New York Tuesday night, and fly to Italy.

On Sunday, they'll all vote against the Communists and in favor of the anti-Communist Christian Democrats.

Humbart Mularoni, a backer of the expedition says the Communists had a majority of only 120 votes in the last election in 1951 and that now can be offset.

Dried Fish For Chicken Feed

ST. JOHN'S, Nfld. (CP)—Federal agricultural experts are experimenting with dried fish as food for chickens.

So far the fowl at the Mount Pearl experimental station seem to be thriving, but they are getting some grain with the fish since a straight fish diet would be too much for them.

The idea behind the scheme is that dried fish might be an acceptable substitute for more costly feed grains. Another application of this theory has already had good results with mink. Mink ranching has greatly increased in Newfoundland since the discovery that mink were thriving on a diet built largely around whale meat.

MEASURE RESULTS

The chicken experiment is being conducted with two groups of Barred Rock hens. One group is getting commercial-grade growing ration and the other is pecking away at a combination of coarse grains and dried fish.

The Mount Pearl experts hope the birds' growth and mortality rates will furnish the answer.

The test with chickens is only one of several currently being carried out at Mount Pearl.

An experimental orchard planted in 1951 and 1952 still hasn't produced any apples, pears or plums. But the agriculturists say it's too early and point to the health of the trees.

Eagle-Eyed TV Fans Cause Man's Arrest

NEW YORK (AP)—A couple of eagle-eyed television fans 900 miles away caused the arrest here Monday by the FBI of a man on charges of car stealing.

James J. Kelly, special agent in charge of the New York FBI office, identified the prisoner as James Marshall Showers, 27, former worker for a lumber company in Royal Oaks, Mich.

As Jimmy Mitchell, the 27-year-old man appeared Sunday night on the "What's My Line?" show over the CBS video network. The panel of experts guessed Mitchell's current occupation—elephant handler.

For the last five years, Kelly said, Showers has been handling elephants in the show "Arabian Nights" at Jones Beach State Park on Long Island. His TV appearance had been arranged as promotion for the stage show.

Kelly said that immediately after the program went off the air two separate calls were received at the Detroit FBI office from video fans in Royal Oak identifying Mitchell as the missing Showers.

The man had disappeared from Michigan in June 1954, when a complaint was filed charging him with stealing a convertible at Royal Oak and selling it in Glens Falls, N. Y.

Showers was arraigned before a U.S. commissioner in Brooklyn and was held in $1,500 bail.

Atomic Power To Run Britain In 20 Years

GENEVA (Reuters) — Most of Britain will be running on atomic power in 20 years and every new power station built in the British Isles from then on will be atomic, the world's leading scientists were told here Tuesday.

British atomic experts are informally discussing Britain's plan for producing most of the country's power requirements by nuclear energy with scientists and engineers from 72 nations meeting here for the world's first conference on the peaceful uses of atomic energy.

A conference source said Tuesday there was general agreement among all the international experts that Britain had gained a considerable lead in the atomic power race and was at least three years ahead of any other nation in the practical application of energy for industrial purposes.

WILL BE CHEAPER

In another five years, British atomic scientists should be able to produce electricity at source as cheaply as it now is obtained from coal and oil. And thereafter the costs will progressively diminish, an official of the British Atomic Energy Committee told Reuters.

Power from the first atomic station, which will be fully operating in Northern England next year, will cost only slightly more initially than conventionally-produced electricity.

In 1965, Britain will have 17 atomic power stations in operation, replacing something like 8,000,000 tons of coal. Ten years later there would be atomic stations replacing 40,000,000 tons of coal, the official said.

An experimental "breeder" at the Harwell Atomic Research Centre already has succeeded in producing twice as much plutonium—the core from which power, heat and light can be extracted—as it consumes. This could give Britain an inexhaustible supply of atomic fuel in the future, the spokesman said.

As the "breeding" of plutonium progresses, much of it probably will be stored for future uses. The metal, with its locked up energy, could be safely stored for thousands of years, the official claimed.

Potato Bulletin

This region is still almost free from potato late blight. In Prince Edward Island, most of the infections have been found in fields of early-market Irish Cobblers. It is suggested that, when early-market potatoes are being dug, the digger should be kept well in advance of the pickers so that the desiccating effect of sun and wind may kill any late blight spores that may be present.

The second brood of potato flea beetles began to appear a few days ago and it is quite likely the populations will build up rapidly during the next week. DDT, either as a dust or spray, is very effective in controlling them. Aphids are numerous in many potato fields and in some cases they are causing the plants to wilt. Malathion is excellent for controlling aphids, but it only gives a partical control for flea beetles. If both these species are present malathion and DDT should be combined.

Japan And Russia Make Progress In Treaty Talks

By STANLEY PRIDDLE

LONDON (Reuters)—Japan reported "definite progress" Tuesday in talks here with Russia aimed at ending the 10-year state of war between the two countries and said work will be started next week on drafting a peace treaty.

Shunichi Matsumoto, Japan's chief delegate at the talks, disclosed that Russia has agreed to support Japan's entry into the United Nations. And he added that both Russia and Japan have agreed to a "non-interference" policy in respect of each other's domestic affairs.

The Japanese envoy told newspapermen that the peace treaty draft would incorporate settlements in principle of all the economic and political issues between the two states.

Matsumoto's main immediate concern still is the repatriation of thousands of Japanese still held in Russia.

Russia presented her draft treaty early in the talks. When the two envoys meet next Tuesday, Matsumoto hopes to present the Japanese draft of the treaty.

Talks have been in progress for two months. Tuesday's 75-minute meeting was held at the residence of the Japanese ambassador. Malik emerged from the session smiling and chatted affably with reporters.

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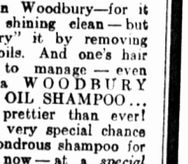
—by Byrne Hope Sanders

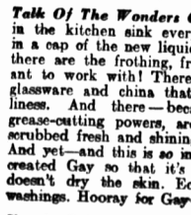
MONTREAL, August 11th — It gives me great pleasure . . . to be able to send you coupons good for two FREE full size tins of delectable AYLMER Strained Bartlett Pears — as a gift for your precious babe! These pears are one of the fine Certified Aylmer Baby Foods that have become such favorites with mothers and babies everywhere . . . They are the only pears for babies sold in Canada — which contain fully-ripe Bartlett Pears extra finely strained — with just a little sugar added — and *nothing else!* . . . Your baby will love their fresh, bland flavor. ***So send me a note TODAY . . . to*** Confidentially Yours, 1411 Crescent Street, Montreal — ***for your own FREE coupons.***

Hot Weather Ahead! That makes it still more important that your baby should have the very best milk formula —the one that's easiest for him to digest. Wise mothers are asking their doctor which of the FARMER'S WIFE formula milks is best for their darling. Whole Milk (Red Label); or Partly Skimmed Milk (Blue Label); or Skimmed Milk (Yellow Label) . . . This high protein, low fat milk is used in more hospitals than any other formula milk—You can use the same milk at home and know that you are giving baby the best that money can buy. All Farmer's Wife formula milks are packed in a golden-lined tin—to protect the fresh, natural quality and wholesome nourishment.



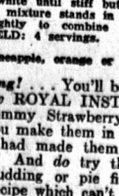
Here's A Way . . . for getting a wonderful effect with almost no work at all! I wish you'd just try GLIDE LIQUID STARCH—and see how professional it makes your ironing look. And how white the clothes are—because of the blue in Glide. See, too, how smoothly the iron glides over your garments because of the wax in Glide. Once you've tried it, I'm sure that, like me, you won't want to be without it again. So *easy* to use—simply add water to Glide, hot or cold—that's all! You can get it in the 32 oz. bottle, or the giant economy size—64 oz. jar—and have a very useful container for pickles—or for picnics! *Do* buy Glide this week!

Nothing More Aggravating . . . than getting a cold in these hot summer days! Yet it can happen so easily! If it does — do remember the comfort you'll find in MENTHOLATUM . . . Use Mentholatum when your nose is clogged and you find it difficult to breathe—just insert a little of this soothing medication inside the nostrils with your little finger . . . so the Mentholatum will cover the inner surface. Then breathe deeply — to draw the cooling vapors back into your nose and throat passages . . . Such a relief! ***Won't you send for a GENEROUS FREE SAMPLE of Mentholatum? Write me at*** Confidentially Yours, 1411 Crescent St., Montreal.



Thank You Gentlemen! . . . Thank you, Mr. Chase and Mr. Sanborn for the magic perfection of iced coffee on a hot summer's eve—a perfection that comes *only* with your INSTANT CHASE & SANBORN! Full-flavored — refreshing—stimulating—cooling! As I sip in enjoyment I hear Mr. Chase: "That *superb* flavor, Miss Sanders, comes, as you know, from my *matchless skill* in brewing!" . . . Then, Mr. Sanborn: "But, my dear fellow, you *have* to have the *top quality* beans I'm so insistent on—before you get that *fine* coffee flavor!" I sip in enjoyment and think. "You're both right! And don't forget the 100 years of coffee knowledge back of you!"

Those Hot Pavements! Don't you find they make corns and calluses almost unbearable? Then take this *good* advice—get a supply of BLUE-JAY Corn Plasters —with Phenylium. This exclusive medication gets right down *under* your corn, and helps to push it out from *underneath*. So escape one of the problems of hot weather — and get rid of your corns and calluses, *now* — with Blue-Jay. By actual test, they work *faster* and *more surely* than other leading remedies — as *thousands* of Canadians are discovering for themselves! Get some Blue-Jay—today!



Out-Of-Doors Living — with the sun and the wind and the dust — means that *more than ever* your hair needs the protection of Woodbury Shampoo — the *natural oil* shampoo. For little girls . . . and big girls too . . . there's no finer shampoo than Woodbury—for it washes hair shining clean — but does not "dry" it by removing the natural oils. And one's hair is so easy to manage — even right after a WOODBURY COCOANUT OIL SHAMPOO . . . glossy, soft, prettier than ever! You've got a very special chance to get this wondrous shampoo for your family now — at a *special bargain!* The big $1.20 size is only 59c — *for a limited period.* Get your Woodbury Shampoo today!

Talk Of The Wonders Of Science! I feel I have one of them right in the kitchen sink every night, when I pour in a cap of the new liquid detergent GAY. For there are the frothing, fragrant suds—so pleasant to work with! There's the result in silver, glassware and china that sparkles with cleanliness. And there—because Gay has *extra* grease-cutting powers, are the pots and pans scrubbed fresh and shining with so little effort. And yet—and this is *so* important!—science has created Gay so that it's easy on the hands—doesn't dry the skin. Economical too—one bottle does *fifty* dishwashings. Hooray for Gay!

Utterly Delicious! An ice cold—delicate—yet nourishing dessert!

FRUIT CREAM

2½ tablespoons BENSON'S or CANADA Corn Starch
¼ cup sugar
⅛ teaspoon salt
*3¼ cups canned fruit juice
1 egg yolk
½ tablespoon butter
1 egg white
1 tablespoon sugar

MIX BENSON'S or CANADA Corn Starch, sugar and salt in saucepan; gradually add ¼ cup fruit juice, mixing until smooth. ADD egg yolk and mix well together until smooth; add remaining cup of fruit juice, mixing well. COOK, stirring constantly, over medium heat until mixture is smoothly thickened and boils. BOIL 1 minute, stirring constantly. REMOVE from heat; add butter. COOL, stirring occasionally. BEAT egg white until stiff but not dry; gradually beat in sugar and continue beating until mixture stands in peaks. ADD beaten egg white to cooled mixture and fold lightly to combine well. POUR into dessert dishes; chill before serving. YIELD: 4 servings.

*Apple, pineapple, orange or blended juice.

It's Amazing! . . . You'll be delighted with the rich, true fruit flavors of the *new* ROYAL INSTANT puddings or pie fillings—Yummy Strawberry Cream—and Banana Cream! You make them in a *jiffy*—and they taste as if you had made them with the fresh fruits themselves! And *do* try the new Royal Instant Caramel pudding or pie filling—made from an exclusive recipe which can't be copied. I find that all the new super-homogenized Royal Instant puddings are *smooth* and *creamy* . . . with never a film—lump—or starchy taste. These are the three new and *perfect* Royal Instant hot weather desserts—so quick—so *delicious!* Do serve them often!

My Vote's For The Seaside every time it's holiday time! I know of no air so relaxing. Another thing that helps me to relax is the knowledge that my jewelry and irreplaceable papers are in the steel-strong security of a BANK OF MONTREAL *Safety Deposit Box.* Not even the sea could relax me if I'd left them behind in an empty house or apartment—at the mercy of thieves—especially in August, the year's biggest holiday month. A Safety Deposit Box gives you full protection from fire, loss and theft. It costs so little—less than two cents a day—yet the sense of security counts for so much! If you are going away this month, why not ensure that your vacation is as carefree as possible by renting *your* Bank of Montreal Safety Deposit Box today.

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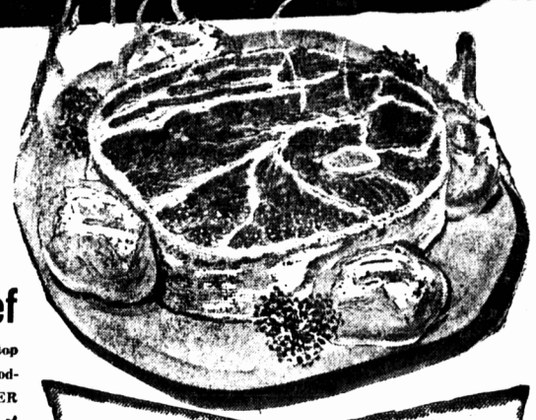
The PROOF of QUALITY'S in the EATING



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RUMP ROASTS	LEAN MEATY. LB.	65c
SIRLO'N STEAK	TENDER FLAVOR. LB.	73c
ROLLED RIBS	PRIME PRIME BONELESS. LB.	75c
Fresh Hamburg	BLUE BRAND. LB.	39c

LAMB BARGAINS

LEGS of LAMB per lb.	69c
LAMB CHOPS per lb.	69c
LAMB FRONTS per lb.	45c
STEWING LAMB per lb.	23c
HADDOCK FILLETS lb.	33c

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CHICKENS
SPECIALLY FED YOUNG SPRING GRADE "A" FOR ROASTING. 5-6 Lb. 53c LB.

MAPLE LEAF
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SMOKED SHANKLESS BEST QUALITY 6-7 LB. AVERAGE 53c LB.

BROOMS	DAISY—FOUR STRING GOOD QUALITY. EA.	98c
CORN	AYLMER CHOICE CREAM STYLE. 15 OZ.	2 for 29c
FLOUR	ROBIN HOOD 24 LB. BAGS. EA.	1.59
SUGAR	WHITE — 10 LB. BAG GRANULATED	79c
KAM	PORK LUNCHEON MEAT. Sandwiches or Frying. 12 oz.	37c
STRAWBERRY JAM	LARGE 24 OZ.	39c
PICKLES	SWEET MIXED OR MUSTARD. LGE. 24 OZ.	33c
LIFEBUOY SOAP	BATH SIZE	2 for 25c
GRAPE JUICE	WELCH'S LGE. 32 OZ. BOTTLE	49c
PINEAPPLE	VALLEY GOLD CRUSHED. 20 OZ.	27c
TOMATO JUICE	AYLMER Fancy. 20 Oz.	2 for 33c
PURE LARD	SWIFT'S SILVER LEAF	2 lbs. for 29c

Tomato Soup	HEINZ HIGH QUALITY	2 tins 25c
COFFEE	INSTANT—LGE. SIZE MAXWELL HOUSE	1.98
CAKE MIX	PILLSBURY DEAL— 1 Pkg. Choc. & 1 Pkg. White BOTH FOR	53c
SPICED BEEF	MAYFAIR 12 OZ. TINS. EA.	25c
MIRACLE WHIP	KRAFT'S—Giant 32 Oz. EXTRA SPECIAL	89c

Fruit Department

BLUEBERRIES	FRESH ISLAND QT. BOX	29c
NEW POTATOES	ISLAND GROWN	10 lbs. 29c
TOMATOES	LARGE RED RIPE	2 lbs. 29c
CUCUMBERS	LARGE LONG. GREEN	2 for 19c
CELERY HEARTS	DELICIOUS. BUN	29c
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