

B.C. Research Council Is Big Aid To Business Man

By BRUCE LEVETT
Canadian Press Staff Writer
VANCOUVER (CP) — In British Columbia the business man seeking a new industrial process or the man who wants to build a better mouse-trap goes to a small, grey building in one corner of the University of British Columbia campus.

He takes his problem to the British Columbia Research Council where 50 scientists, technicians and chemists are waiting to carry it from there.

In the building, he finds a wealth-ometer, a machine which can gauge building materials a month for every day they are subjected to its blast of artificial rain and heat-giving the manufacturer an idea of how they will stand up to B. C. weather.

GRADING PROBLEM

In another corner he finds a machine which grades apples by color. The problem is to make it throw out sub-grade fruit.

Researchers test aviation gasoline before it's sent on to the R. C. A. F. up north, or develop a new type of anti-freeze for a manufacturer to place on the domestic market.

The council took 80 per cent of the odor out of B. C.'s kraft pulp mill and fought the marine toredo — a seagoing termite-winning tow falls out of three.

The mouse-trap inquirer will see the people who found a way to keep fishermen's bait tanks from corroding and others whose work in organic chemistry is being watched by leading cancer researchers.

NOTED SCIENTIST

Heading the council is Dr. Gordon Shrum, tall scientist who was born in Smithville, Ont. educated at the University of Toronto and became one of Canada's outstanding atomic physicists.

D. R. Shrum, 59, tries to divide his day evenly between the council and his job as head of the physics department in the largest theoretical physics department in Canada.

His spare time is divided among 30 committees to which he belongs, one of them the building committee currently considering plans to spend \$6,000,000 to \$10,000,000 around the campus.

"Research to uncover knowledge for knowledge's sake is our aim here," Dr. Shrum says. "If it has practical application, all well and good, but we are more concerned with basic principles."

TO AID CANCER RESEARCH

Top fundamental development has come from the council's organic chemists. Dr. H. Gobind Khorana, 33-year-old scientist from India, uncovered a process for the synthetic compounding of the chemical UMP uridine monophosphate.

Dr. Khorana has produced by chemical process "one of the most important enzymes vital to normal or cancerous cell growth," Dr. Shrum says.

And at the bargain-basement price of \$48,000 a pound.

City and Central In Memoriam

SEMPLE'S PHARMACY Queen St. for the Rexall one-cent sale, opening Wednesday.

DR. K. A. MACEACHERN will be absent from his dental office Oct. 16 to 29th inclusive.

TWO FOR THE PRICE OF ONE plus one cent at Semple's Pharmacy, Queen St. Rexall one-cent sale, opening Wednesday.

REXALL ONE-CENT sale opens Wednesday at Semple's Pharmacy, Queen Street.

WE TREAT THE SICK WELL. Gigg's Pharmacy, open 8 a.m. to 8 p.m.

DR. J. C. GALLANT Dental office will be closed from Oct. 17th to Oct. 31st.

REGULAR MEETING at P.E.I. Hospital nurses alumnae, Friday Oct. 21 8.15 p.m. at Cundall Home.

ISLAND GRILL Queen St. dial 5228 serving full course dinners specializing Chinese dishes.

MACDONALD RADIO SERVICE, Radio repairing, amplifiers and sound systems. Disc and tape recording 180 Kent St. Dial 6915.

SPENCER SUPPORTS individually designed helps backache and figure troubles Mrs. Rapson 9068.

FREE TICKETS FOR THE Martha Logan Cooking School may be obtained at Storey Electric.

MAKE A DATE to visit the Jenkins Pharmacy, your Rexall druggist on Wednesday, Thursday, Friday or Saturday this week. A saving worth your while is waiting for you. Over 250 bargains on the Rexall Fall One Cent Sale. Watch tomorrow's Guardian for complete list.

MOTHER — Dad's Coughs

NEED ATTENTION, TOO!
Here's Relief from Coughs of Colds—so different it will change all your ideas about cough syrups!

At last—a new and pleasant cough medicine! Vicks® Medi-Trating® Cough Syrup combines a penetrating ingredient with a medicating formula. Gives faster, more effective relief, doesn't upset stomach. Try it today!

VICKS MEDICATING COUGH SYRUP
It Medicates as It Penetrates

Always remembered by wife Albina and daughter Marguerite.

In loving memory of Walton T. Toombs who passed away Oct. 18, 1948.

Down a road that's calm and peaceful,
Guided by God's knowing hand,
He has gone upon a journey
To a distant brighter land.

Do not ask us if we miss him
Oh! there's such a vacant place,
Sometimes, we think we hear his
Footsteps
And see his smiling face.

Always remembered by his wife and family.

H-BOMB PRONOUNCEMENT

He is best known to the public for his pronouncements on things atomic—that the hydrogen bomb is small potatoes beside the devastating power of hurricanes, earthquakes and volcanic eruptions; that mass evacuation would be futile in the event of an atomic bombing attack.

He terms an oxidation tower "that eliminates more than 80 per cent of the odor from kraft mills" the greatest practical development turned out by the council since it was formed out of the War Metals Research Board in 1944.

The obnoxious sulphurous odor is cut down by plowing the sulphur back into the pulp-cooking compound.

Pulp mills going up at Duncan, Port Alberni and Nanaimo along the B. C. coast and at Edmonton in Alberta will all be equipped with the BCRC-developed towers, which were six years in the making and testing.

UNUSUAL PROJECTS

Another top project was one undertaken for Burrard Dry Dock, Ltd., here. The floating drydock was having trouble with torpedoes and could the council do something?

The answer was a special compound which now protects similar structures in Vancouver, Seattle, Wash., Galveston, Tex. and San Francisco. A BCRC team is en route now to Alameda to check over a drydock there.

The tiny laboratory-20 feet by 27 feet-where the compound was developed is like a mad scientist's nightmare, with a huge glass still for water in one corner, a twisted jungle of glass tubing and racks of test tubes.

Then there was the "rollaway nest."

Farmers, with high egg loss due to bacterial infection, called on the applied biology department. Eggs soiled in the nest were spoiling. Eggs wiped clean as they were taken from the nest were also spoiling—the water carried bacteria through the shell into the protective membrane.

The council developed a nest of sloping wire mesh. Now, when the hen lays an egg and rises to preclaim the fact, it rolls from under her and behind cunning baffles where she cannot reach it.

SERVES THE PROVINCE

"We're the research laboratory for the province," Dr. Shrum says. "Large or small industry comes to us for contract research. Problems too big for us and with a national application are turned over to the National Research Council, with branches on the prairies and in the maritimes."

If the council-developed mouse-trap proves widely beneficial it is made public with the permission of the man who contracted for the research. If he wants it for himself, all patents and rights go to him.

"Often we can't tell even our board some of the things we are working on," Dr. Shrum says. "The project might involve solving a problem an oil man is having well be sitting on the board."

The BCRC operates on less than \$400,000 a year—\$175,000 as a provincial grant; \$100,000 as a reward through contract research; a \$35,000 NRC grant and another \$35,000 in miscellaneous grants.

The council, which has trebled in size in three years, is governed by a board of management, headed by trade minister Ralph Chetwynd and comprising 17 directors drawn from the sciences and industry.

PERSONALS

Mrs. Jeanne Campbell, R.N. of the Staff of Mt. Sinai Hospital, Toronto, is the guest of Mr. and Mrs. Leo Saunders, Prince Co.

Miss Edna LePage of the staff of the Infectious Diseases Hospital, Halifax, spent a short holiday with relatives in Charlottetown.

Mr. and Mrs. R.H. MacMillan, Devon, Alta., are being welcomed by their many friends to P.E.I. Mr. MacMillan is a former Islander.

Mr. and Mrs. F. G. Matheson have returned from a two weeks visit to the home of their son, Craig and Mrs. Matheson in Black's Harbour, N. B.

Mr. and Mrs. Thane Adams and Mr. and Mrs. Winslow Adams of Sea View returned from Halifax where they attended the Duggan and Woodington wedding.

Miss Marjorie Huestis, Doris Hillon and Mrs. Earl Beaton were hostesses at a kitchen shower at the latter's apartment in Alexander Drive on Thursday, Oct. 13 honoring Miss Carolyn Clark whose marriage takes place the end of this month.

IN MEMORIAM

MRS. CYRUS L. PARTRIDGE
On Aug. 24th, 1955, Mrs. Cyrus L. Partridge passed away in the P. E. Island Hospital, after an illness of several weeks. This was a large circle of friends. This was evidenced by the profusion of floral tributes and the numerous messages of sympathy.

The pallbearers were — Messrs. Regah MacLean, Parkdale; Lester Hickox, Parkdale; Sydney Burhoe, Spring Park; Edwin Cook, Parkdale; W. A. MacLean, Inverness; Heber MacPhail, Clyde River. Interment was in the Clyde River Cemetery.

The early part of her life was spent in the U.S.A. where she married the late George Smith. Later they resided at Clyde River, P.E.I. She was married in 1925 to Mr. Cyrus L. Partridge of Charlottetown. Besides her husband, Mrs. Partridge leaves to mourn five sisters and four brothers: (Ada) Mrs. Ada Newton, L. Economy, N. S. (Edith) Mrs. Leslie Knight, Souris. (Millie) Mrs. Millie Le Graw, Roxbury, Mass.; (Rettie) Mrs. Alex Springer, Winnipeg, Man.; Dean Harrington, Roxbury, Mass.; Charles, Dorchester, Mass.; Frank, N. Randolph, Mass.; Clinton, Dorchester, Mass.

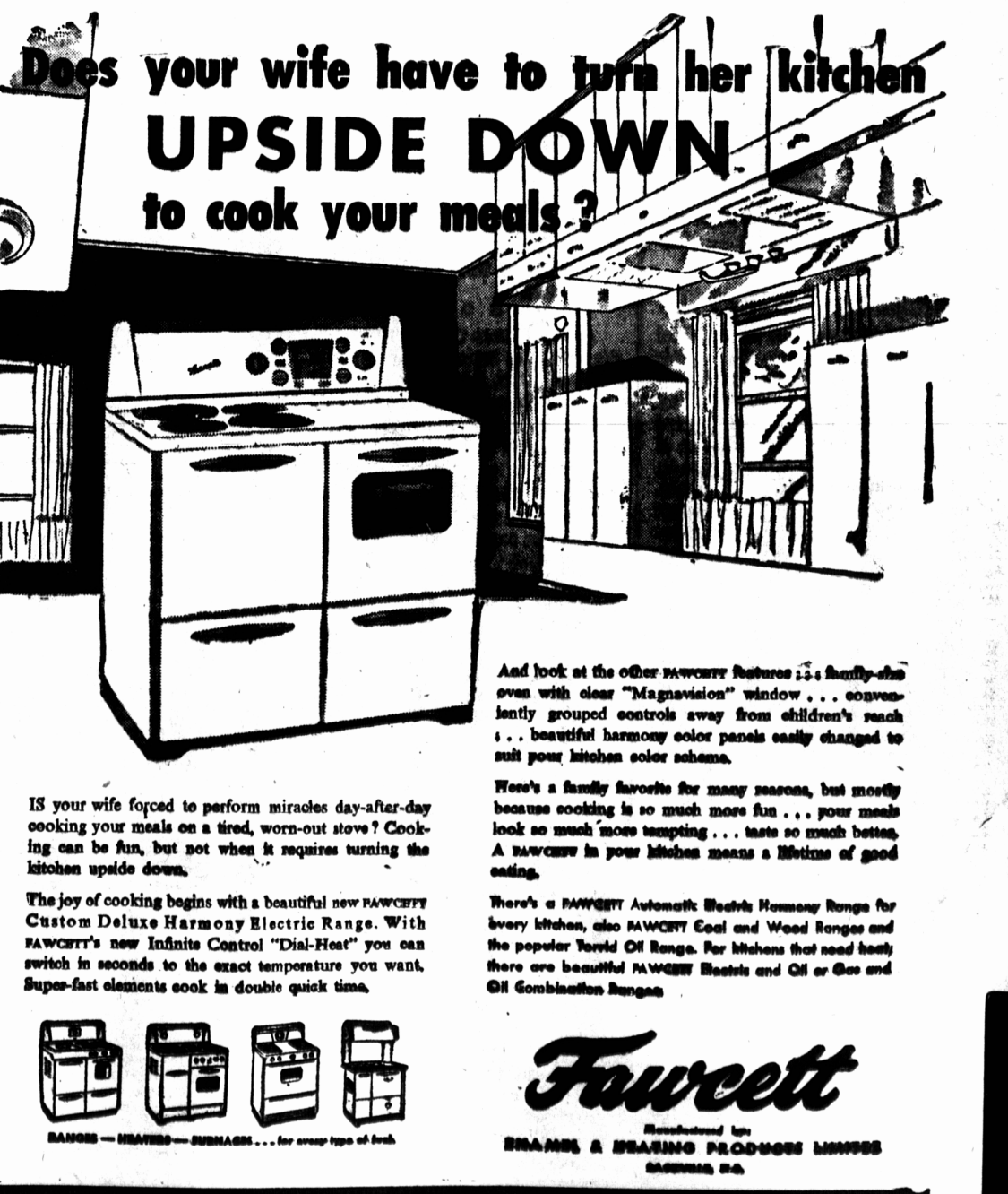
The Salvation Army
SPECIAL EVANGELISTIC SERVICE

Conducted by
Commissioner and Mrs. W. Wycliff Booth,
Territorial Commander for Canada, Nfld., and Bermuda.

TONIGHT AT 8:00 P.M.
Assisted by Brigadier and Mrs. W. Walton and Major A. Brown

This will be his first official visit.
All are invited to attend this service.

Does your wife have to turn her kitchen UPSIDE DOWN to cook your meals?



And look at the other features: 124 family-size oven with clear "Magnavision" window... conveniently grouped controls away from children's reach... beautiful harmony color panels easily changed to suit your kitchen color scheme.

Here's a family favorite for many seasons, but mostly because cooking is so much more fun... your meals look so much more tempting... taste so much better. A Fawcett in your kitchen means a lifetime of good eating.

There's a Fawcett Automatic Electric Harmony Range for every kitchen, also Fawcett Coal and Wood Ranges and the popular World Of Range. For kitchens that need heat there are beautiful Fawcett Electric and Oil or Gas and Oil Combination Ranges.

IS your wife forced to perform miracles day-after-day cooking your meals on a tired, worn-out stove? Cooking can be fun, but not when it requires turning the kitchen upside down.

The joy of cooking begins with a beautiful new Fawcett Custom Deluxe Harmony Electric Range. With Fawcett's new Infinite Control "Dial-Heat" you can switch in seconds to the exact temperature you want. Super-fast elements cook in double quick time.

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LEAGUE OF MERCY
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TUESDAY, OCT. 18
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WEDNESDAY and THURSDAY
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Old at 40, 50, 60? — Man, You're Crazy

Get your age! Thousands are peppy at 70, "pepping up" with Cutren, containing tonic herbs, vitamins, feeling the only to the lack of iron which many men and women call "Old." Try Cutren Today! Tablets, pop, younger feeling, this very day. New and acquainted, plus only 60c. For sale at drug stores everywhere.

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are pleased to announce
SEPTEMBER CONTEST WINNERS

Miss Anne Marie Forest, 54 Victoria Street, Moncton, N.B. (Walking Doll)

Mr. P. A. Parant, 561 Bayard, Quebec 8, P.Q. (Electric Kettle)

Mrs. Everset Cousins, Kensington, P. E. I. (12 Pair Nylon Hose)

Mrs. Mona Vaughan, R. C. A. F. Station, Greenwood, N.S. (12 Pair Nylon Hose)

Mrs. Florrie R. Shanks, Ormoco, Sunbury Co., N. B. (12 Pair Nylon Hose)

Mrs. Grace Hudson, 139 Duckworth Street, St. John's, Nfld. (Electric Kettle)

Miss Jeannine Boudreau, Laverriere, Magdalen Islands, P.Q. (Walking Doll)

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McCausland Furniture SUMMERSIDE	P. J. & C. Kennedy Ltd. KENSINGTON
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J. W. (Don) Campbell
ALBERTON

Protestant Orphanage Contributions

50 cents each: Mrs. Don Gillis, A. Friend.

35 cents Mrs. Fred Lambros, Brighton Road.

\$10.00—Mr. and Mrs. Keith Kennedy

\$10.00—L. S. Stevenson

\$5.00—Mrs. J. P. Lantz

\$5.00—Rev. W. G. Hogg

\$5.00—Mrs. A. V. Saunders

\$5.00—Misses I. and A. Horne

\$4.00—Mrs. A. C. Sinclair

\$2.00 each: Mrs. T. E. MacNutt, Miss Margaret Cotton, Mrs. Louis S. Bentley, Mrs. P. M. Simmonds, C. W. S. Bentley, Mrs. Ralph Dumont, Caro Rotchford, Harold G. Goodwin, Mrs. Wendall MacDonald, Mrs. P. M. Simmonds.

\$1.00 each: Mrs. James MacMillan, Mrs. C. H. Foster, Mrs. A. C. Cox and Miss Laura Cox, Mrs. Alan Andrew, Mrs. William Beer, Miss Jean Sellar, Mrs. B. E. Rogers, Mrs. Donald MacMillan, Mrs. Myron R. Bell, Mrs. S. S. Carson.

Brighton Ave.

\$50.00—Mrs. A. B. Fisher

\$2.00—Mrs. M. Forsythe

\$1.00 each: Mrs. J. T. Davies, Mrs. Larabee.

P.E.I. Hospital.

\$6.35—Auxiliary Staff P.E.I. Hospital

\$5.00—Dorothy Easter

\$5.00—Dr. George F. Dewar

\$2.00 each: Gail Frowse, Betty Currie, Edward McNevin, Frank Johnson, Mrs. P. W. McNevin, Lucille Turnbull, Anne Jenkins, Elaine Campbell, Florence MacLean, Audeth Dixon Lois MacDonald, Mary Fullerton, Archie McKenzie, Charles Hine, C. F. Archer, B. Tweedy, Mrs. Roger Ferguson, Helen Crosby.

\$1.50—Neil MacDonald

\$1.35—Lorne Clark

\$1.00 each: Jessie McNaughton, Jane MacAssey, Margaret Goodwin, Ruby Centwell, Doris Coles, Nadine Dignan, Shirley Lewis, Mrs. Evelyn McLane, Mrs. Freda MacKinnon, Charlotte Fraser, John Gordon, June Dickson, Mrs. W. P. Bruce, Mrs. Roland Beaton, Theres McAuley, Mae MacKinnon, Mildred Thompson, Shirle Stearns, Hattie MacLaine, Ethel Stewart, Irma Holmes, Mary Hazard, Frances MacMillan, Miss Coleen F. Kennedy, J. E. MacLeod, Lowell Phillips, Hudson McLeod, W. G. Clark, Anonymous, Stanley Wakelin, Kay Johnson, Mildred Webster.

60 cents—Helen Pendleton

50 cents each: Thelma MacPherson, George Crawford, Mrs. Slls Chappell, Bea Jenkins, John Keating.

40 cents—Fenner Stewart

25 cents—Doreen Sanderson, Albina Dixon.

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DON'T wait 'til you have to get in your coal. Order now and you'll get it when you need it. You can get FOUR STAR, the finest domestic star coal on the Atlantic coast. Free home delivery. FOUR STAR is good coal. It's good for you and your furnace.