

Expect Workable De-icing System For Helicopters

BY DON PEACOCK
Canadian Press Staff Writer

... (CP) — Three years ago are expected to pay off this development of the first successful helicopter de-icing system.

There is good reason to believe the system will be workable in the worst icing conditions, Jim Stallabrass, 33-year-old National Research Council Engineer working on the project, told a reporter Thursday. But only freeze-up this winter will prove it.

Work on the project was begun three years ago. For the last two winters they've used a strange contraption. It is a pole-out of doors at Uplands Airport—70 feet high with a metal frame on which are mounted 143 nozzles.

The frame is hoisted to the top of the pole for the tests and a mist of water is sprayed from the nozzles. Thus the NRC specialists create an artificial cloud. But they depend on the weather to make icing conditions inside the cloud.

USE HEAT

Mr. Stallabrass said the system is a variation on electro-thermo and wings. Electrical heating elements used to de-ice propellers for rotor blades. When the elements are placed on the helicopter starts building up, a powerful spurt of electricity is sent out to melt the underside of the ice.

The centrifugal force of the whirling blades then flings the loosened ice off.

The system was worked out by NRC specialists with help from the navy—for whom the project is being carried out—in the way of helicopters and pilots.

Stallabrass said helicopters ice up very suddenly. The pilot had little warning, unlike fliers in winged aircraft who can often see the ice building up long before it reaches the danger point.

There was no danger to the pilots in the experiments, however, since the downdraft from the rotor, hitting the ground and bouncing back up, provided a kind of air cushion. If the helicopter got so iced up it could no longer fly, it was let down easily by this cushion of air.

An NRC official said Canada is ahead of the United States, United Kingdom and most other countries in de-icing research, and especially in the helicopter department.

EASTERN GUARDIAN

BEACH POINT GOSPEL chapel Sunday Sept. 23rd. At 7.30 p.m. Special singing. Souls Harris.

ST. STEWART United Church, Rev. B. V. MacLeod, Minister. Mt. Stewart 11.00 a.m.; Donaldson, 2.30 p.m.; Bristol 7.30 p.m.

ORWELL - VERNON United Church, Rev. John M. Sheen, Minister. Eldon 11 a.m.; Orwell 7.30 p.m.; Cherry Valley 7.30 p.m.

MILLTOWN CROSS Anniversary Service Sunday, Sept. 23rd. At 7.30 p.m. guest preacher, Rev. A. S. Weir. D. D. Special music by Brooklyn trio.

LEPTON GOSPEL Chapel, Dundas Sunday School 10.30 a.m. The Lord's Supper 11.30 a.m. The Gospel service 7.30 p.m. The message will be given by Mr. Sam Bears. All welcome.

THE PRESBYTERIAN Church in Canada. St. John's, Belfast. Services on the Lord's Day, 11 a.m. and 7.30 p.m. Sunday School 10 a.m. All are welcome. Rev. Donald Nicholson, Minister.

ST. PETER'S Bay Pastoral Charge. Services Sept. 23rd, Communion, Greenwich 11 a.m.; Rally Day service St. Peter's 3 p.m.; Marie 7.30 p.m. Conducted by Rev. Harry MacDougall, (Shediac N.B.).

PARISH OF Georgetown. Anglican Church of Canada. Holy Trinity Church, Sunday, September 23rd. Seventeenth Sunday after Trinity, 11 a.m. Holy Communion and Sermon. Reverend W. G. Hogg, Priest in charge.

UNITED Baptist Church, Montague Charge Sunday, Sept. 23rd: Surgeon 11 a.m.; Murray River 3 p.m.; Montague 7.30 p.m., with song service at 7.15. Ordinance of the Lord's Supper at the close of the evening service. Rev. A. M. Rogerson, Minister.

COVEHEAD PASTORAL Charge, United Church of Canada. Rev. W. H. Forsyth, B.A., Minister. Church service for Sunday, September 25, 1956. Covehead Rd. Morning Worship 9.30 a.m.; West Covehead, Morning Worship 11 a.m. Union Road, Evening Worship 7.30 p.m. Rally Day Service.

THE PRESBYTERIAN Church in Canada services Sunday, Sept. 23rd. Cardigan divine worship 11 a.m.; Sunday School 10.30 a.m.; Lorne Valley afternoon service 2.30 p.m.; Montague evening service 7.30 p.m.; Sunday School 10 a.m. A warm welcome for all. Rev. D.A. Campbell, Minister.

INJURED IN FALL—Mr. Jack Macdonald, Murray Harbor, was rushed to the King's County Memorial Hospital on Wednesday after falling from the roof of his barn, causing serious injuries to his head. His condition has improved but it is expected he will be in the hospital for some time yet.

TRAMPLED BY COW—Mr. Joseph McGee, St. Mary's Road, was taken to the King's County Memorial Hospital on Wednesday after he was kicked and trampled by a cow while milking. He was released on Thursday with a few broken ribs. His many friends wish him a speedy recovery.

GEORGETOWN PASTORAL Charge, United Church of Canada. Service for Sept. 23rd. 11 a.m. Georgetown; 2.30 p.m. Sturgeon; 5.5 at 1.30 p.m.; 7.30 p.m. Milltown Cross. Anniversary service, music assisted by members of the Georgetown Male Choir, Brooklyn Trio, Dr. A. S. Weir, Charlotteville. All services. Everyone welcome. Rev. W. A. Paterson, Minister.

HERE FROM OREGON—Mr. and Mrs. Jack Beer have had as their guest Mrs. Beer's niece, Mrs. Allan Osgood of Portland, Oregon. Mrs. Osgood also was the guest of her mother, Mrs. H. M. Downing of Summerside. On Wednesday of this week Mrs. L. H. Poole entertained at the tea hour at her attractive summer home on the Montague River, honoring Mrs. Osgood.

CONDITION FAVORABLE—The condition of Louise MacPherson in the King's County Hospital at Montague is about the same, not much change but favourable. Louise is the ten-year-old daughter of Mr. and Mrs. John Norma MacPherson of Bellevue, and was struck by a gravel truck on Monday of this week, resulting in the amputation of her leg at the knee.

CHURCH OF CHRIST The Lord's Day, Sept. 23, Montague, 10.00 a.m. Bible School for all ages, 11.00 a.m. The Lord's Supper and Preaching, Murray River, 10.00 a.m. Bible School, 11.00 a.m. The Lord's Supper, Murray Harbour, 6.00 p.m. Bible School and the Lord's Supper. Combined Evangelistic service at the Murray Harbour Church of Christ at 7.30 p.m. Everyone welcome. Kenneth T. Norris, evangelist.

NEW C.N.R. POST

George A. Blakney has been appointed to the new post of regional employee relations officer of the Atlantic Region of the C.N.R., announces R. G. Hayes, vice-president and general manager. Mr. Blakney had been regional superintendent of car service.

HOME FROM HOLIDAY

The Rev. J.A. and Mrs. Fraser have returned from Mahone Bay, N.S. where they spent their vacation. In the absence of Mr. Fraser the Trinity United Church pulpit was occupied on Sunday, Sept. 8th by the Rev. Nathan Mair, a former Georgetown resident, and now living in Scotch Ridge, N.B. On Sunday, Sept. 15th, the congregation were pleased to welcome the Rev. Alexander MacKay who conducted the service. The Rev. Mr. MacKay, who is retired from the ministry and now living in Kensington is a brother of Mr. Claud MacKay, Montague at whose home he was a guest while in Montague.

PERSONALS

Mr. Will MacLean, Montague, was a week-end visitor to Kingsboro, where he was the guest of his sister-in-law, Mrs. Wilfred MacLean.

Mrs. J.A. MacNeill of Montague, motored to Lakeville over the weekend, where she visited with her sister, Mrs. William Baker.

Mr. and Mrs. Claude MacKay have as their guest Mr. and Mrs. William Morse of Attleboro, Mass. Mr. and Mrs. Morse also visited friends and relatives in different parts of the Island.

NOMINATING CONVENTION KING'S COUNTY

The Conservative Association of King's County will hold a Convention at Georgetown on Wednesday, October 10th at 2 o'clock in the afternoon for the purpose of nominating a candidate to contest the federal seat in the County at the next Dominion Election. Each Poll is entitled to send five voting delegates and Poll Chairmen should call meetings immediately and have these delegates appointed.

ETHAN STEWART, Secretary.

THEATRE MONTAGUE

Fri. - Sat. Sept. 21 - 22 Adm. 40 - 55

Inc. Prov. Gov. A. Tax

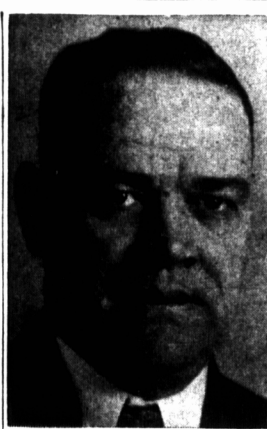
"PRINCE VALIANT"

James Mason, Robert Wagner, Janet Leigh

A big new cinematic Technicolor production. A story of King Arthur's Round Table. The loves and hates of a very, very gallant knight as he finds his lady fair. An action story with plot, color, speed and amazing drama. If you ever dreamed, ever loved, ever saw an excellent movie, see this big one.

COMING MONDAY-TUESDAY—"DOCTOR AT SEA"

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MURRAY HARBOR NORTH

Mr. and Mrs. Elmer Stewart, Belle River, were recent Sunday guests of Mr. and Mrs. Willard McClure.

Mr. and Mrs. Roy Graham, New Glasgow, N.S. spent an enjoyable vacation with Mr. Graham's parents, Mr. and Mrs. George A. Graham.

Mr. Louis Kerwin, Cambridge, left recently for Toronto where he has obtained employment.

Mr. and Mrs. Ernest Brown, Moncton, N.B. spent their holidays with Mrs. Brown's parents, Mr. and Mrs. Herbert Llewellyn.

Miss Sadie Millar, has taken up her duties as teacher in Victoria Cross school.

Mr. and Mrs. Victor Sencabaugh, accompanied by Mrs. Sencabaugh's sister of Toronto, are spending their holidays with the visitor's parents, Mr. and Mrs. Rowan Sencabaugh.

Mr. and Mrs. Rae Kennedy and family were recent visitors to O'Leary, the guests of Mr. S. Kennedy's brother Mr. Stan. Dumville and Mrs. Dumville.

Mrs. Ernest Carver and family, Halifax, spent several weeks with her parents Mr. and Mrs. Andrew Graham.

Mr. and Mrs. Robert Machon, Montague, were recent Sunday guests of Mr. and Mrs. Elmer Millar.

Mr. Merrill Henderson, Halifax, spent the past weekend with his parents, Mr. and Mrs. Seymour Henderson.

Mr. and Mrs. Laurie MacLure and Elaine, Charlottetown spent the weekend at their home here.

Sincere sympathy is extended to Mrs. Robert Adams, Worcester, Mass., on the sudden passing of her husband, while vacationing at their summer home in Greek River.

Miss Muriel Collins, Charlottetown, spent sometime with her sister, Mrs. George Clow and Mr. Clow.

Miss Betty Ann Millar has returned from an enjoyable trip to Boston, Mass., while there she was the guest of her uncle, Mr. Raymond Llewellyn and Mrs. Llewellyn.

Mrs. Eva Mutlow and Mr. and Mrs. Gordon Mutlow and Brenda Charlottetown, were recent guests of Mr. and Mrs. Willard McClure.

Mrs. Robert Cameron and family New Glasgow, N.S. spent some time with Mr. and Mrs. Everett Condon.

Miss Mae MacLeod, she returned to Oshawa, Ont. She spent her holidays with her parents Mr. and Mrs. Albert MacLeod, Cambridge.

Miss Norma Clow, Montague, was the weekend guest of her parents, Mr. and Mrs. Webster Clow.

Miss Lois Johnston, Berkeley California is spending sometime with her parents, Mr. and Mrs. Roulston Johnston, Peters Road.

Rev. In Ha Lee of the Korean Mission in Japan was guest speaker at the morning and evening services in the Murray Harbor North Presbyterian Church on Sunday August 19th. While here the Rev. Mr. Lee was the guest of Rev. M.C. Currie.

Mr. and Mrs. Eldon Llewellyn and son Gary, Peterborough, Ont. spent their holidays with the former's parents Mr. and Mrs. Herbert Llewellyn.

Mr. and Mrs. Melvil Richards, Murray Harbor, spent the weekend with Mrs. Richards' parents Mr. and Mrs. Harry Reid.

Mrs. Jessie Condon is spending sometime in Georgetown, the guest of her daughter Mrs. Howard Llewellyn and Mr. Llewellyn, Mr. and Mrs. Weston Johnston.

THE PRESENTATION YESTERDAY

Premier Receives Historic Plate From Mass. Governor

Yesterday Premier A.W. Matheson was presented with a plate on which were embodied some of the more significant events in the history of the State of Massachusetts. The presentation was made by Mr. Dana W. Hill, New England Farm and Town Journal, Boston on behalf of the Governor of Massachusetts, Christian A. Herter. The letter which accompanied the presentation from the Massachusetts Governor reads as follows: "It is a pleasure for me to send you cordial greetings from the Commonwealth of Massachusetts through the courtesy of United States publishers who are attending the annual convention of the Canadian Tourist Association. "I hope that you will regard the Massachusetts plate which the publishers are very kindly bringing with them as a token of the friendship and good feelings which exist between Prince Edward Island and the people of Massachusetts." Sincerely Christian A. Herter.

After spending the past year on the Island, Miss Rena MacNeill left recently for Toronto, Ontario.

Mr. Billie Lowery, Halifax, N.S., is spending some time visiting his parents, Mr. and Mrs. Edward Lowery.

Miss Anna MacLeod of Cambridge, Mass., motored to the Island where she is spending an enjoyable holiday. While in LORNE Valley she is the guest of her brother-in-law and sister, Mr. Mrs. Peter MacLeod.

Mr. and Mrs. Roy MacLeod, Alexandria, spent the last weekend of the month with Mr. and Mrs. Angus Nicholson.

Miss Margaret Lowery has accepted the position of teacher in Lynsdale School.

Mr. McCannell has returned to Toronto, Ontario. Mr. McCannell spent three weeks recently.

On Monday, August 20, a large number of relatives and friends assembled at Lorne Valley Hall to extend good wishes and present gifts to Mr. and Mrs. Earl Cobb of Bangor, Mrs. Cobb is the former Joyce MacLean. It is pleasing to note the bride's grandparents, Mr. and Mrs. Ward Crane were present. Mr. Crane did his share in providing music for dancing. Delicious refreshments were served.

The Congregation of Lorne Valley Presbyterian Church was pleased to have the Rev. D.A. Campbell back for service on August 26. Mr. Campbell had been away on a four week vacation. Mr. Campbell delivered an eloquent sermon taking his text from



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FROM THE BLOOD-STAINED PAGES Of The West's Most Savage Days!

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EXPOSED TODAY

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SHOWS 2:30—7—9

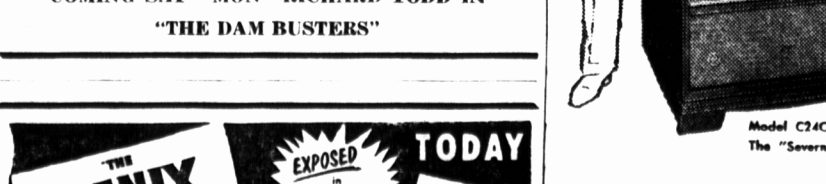
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One Of The All-Time Great Adventures Returns To The Screen!

THE SHEPHERD OF THE HILLS

WAYNE • FIELD • CAREY



St. Luke's Gospel, Chapter 3 verses one and two. The hymns were "I love the Lord," "What a friend we have in Jesus" and "Jesus shall reign where ver the sun."

Mr. and Mrs. Harry Fisher of New Jersey, motored to the Island. They are visiting relatives and renewing old friendships in this vicinity. They are the guests to the former's mother, Mrs. Bertha Fisher. Also visiting her mother at this time is Mrs. Randall Hertle of Boston, Mass.

On Sunday, August 19, Mr. and Mrs. Reuben McCannell had the pleasure of having all their family at home with them, namely Neil and Mrs. McCannell with their children Lynn and Donald of Charlottetown, George and Mrs. McCannell and their children Margaret, Bobby and David of Montague, Anna, Mr. Ings and their children Karen and Ricky of Downey, California, Jim from Dorchester, Mass., and Grant from Toronto, Ontario. It is quite a number of years since this family has been home together, needless to say it was quite a happy occasion. AM

TO BUILD ATOMIC PLANS

STOCKHOLM (AP) — Sweden's government - controlled Atomic Energy Co., Thursday disclosed plans to build 10 commercial atomic energy plants during the next 10 years. The first two plants in the series are scheduled to be put into operation in 1960, with one more to be added yearly until 1966. The commercial atomic plants are mainly intended to produce heat and electric power.

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ADVANCED ALUMINIZED TUBE — G-E's advanced Aluminized Tube, plus G-E's higher density phosphors, provide you with bright, crisp pictures — a whole new look in General Electric TV. G-E's exclusive "Glarescator" Viewing System with Extra-Dark Safety Glass and tilt-angle tube provides better defined pictures, with sharper contrast — repeating in always better, even in daytime or with bright room lights on.

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