

### ARTIST'S CONCEPTION

This is an artist's conception of the Gemini 6 backing off from the orbiting Agena rocket after the locking procedure with the Agena in space. The main objective of the one or two-day flight slated to blast off Monday is to find and dock with the orbiting Agena rocket. This sketch is by Associated Press artist John Carlson. (AP Wirephoto).

## Gill For Use By Man Aim Of Experimenters

ATLANTIC CITY, N.J. (AP) — Development of an "artificial gill" that may some day allow men to live indefinitely in undersea houses by tapping their oxygen from sea water—just as fish do—was described here. The developer, Dr. Bruce R. Bodell, a Northwestern University surgeon, said that so far, a small version has been used only in rat experiments—with one rodent surviving six days while residing in a glass flask immersed in a tank of water. The rat might well have gone on for weeks if its food hadn't run out.

The artificial gill—hooked up to the rat's flask—consists of 2,000 feet of tiny membrane tubes, clumped together like a batch of spaghetti, which allow passage of oxygen from sea water into the flask. Literally, the rat's expired breath draws the seawater oxygen into the flask through the semi-permeable membranes.

But Dr. Bodell in a report to the 51st congress of the American College of Surgeons, said the experiments suggest the technical feasibility of: Lowering submarine-like "houses" to the bottom of the sea, with about 120 men in each of them, and employing a vast network of surrounding membrane tubes to tap the crew's oxygen supply from the surrounding sea.

**PRESSURE DIFFERS** — The gill's wizardry, the scientist said, depends on the fact that the oxygen pressure of seawater is a little stronger than the pressure of oxygen in exhaled air—so there's a gain in oxygen received within the chamber surrounded by the gill. He said the system also eliminates potentially poisonous carbon dioxide from the "living" chamber, serves as an efficient air conditioner and could even trap fresh water from the sea.

He said nuclear-powered submarines already have systems for tapping oxygen from sea water by an electrolysis process. But this requires plenty of electrical energy, whereas the gill—equipped undersea houses, only minimum energy would be needed to pump exhaled air from the living room through the water—immersed membranes—to get a payoff of life-sustaining "air" from the sea.

Dr. Bodell said it's conceivable that artificial gills could also be fashioned for skin divers, allowing them to dive to depths of 120 feet, compared with the usual limits of about 30 feet.

### PEARSON

(Continued from page 1)

countries to make and carry out co-operative arrangements of great benefit to both of them," Mr. Pearson said. "This is the positive and constructive way to deal with our problems and to make the most of our opportunities."

"The automotive arrangements remove duties on the bulk of the trade in automobiles and parts between the two countries and also ensure that the companies in Canada will bring about a very large expansion in sales at home and abroad."

In the meantime, both Canada and the U.S. have introduced measures to assist workers and parts manufacturers who face temporary dislocation in adjusting to the big new and highly competitive market opened to them.

Government sources said Mr. Pearson's figure of 170 new and enlarged plant projects flowing from the auto agreement is based on surveys conducted both officially by the government and informally through trade sources.

**ONTARIO BENEFITS** — There is no complete figure available on the amount of capital investment involved, though it is known to be well over \$250,000,000 and might run to \$500,000,000. Most of this will be

concentrated in the Toronto-Hamilton-London-Windsor belt of Southern Ontario, with some going to Quebec province. Apart from the major auto builders and parts manufacturers, the industry's expansion is expected to be reflected with ever-widening ramifications. One estimate is that between 70 and 80 per cent of increased shipments of rolled steel products goes into the expanding production of automobiles. Textiles is another industry benefiting from larger end-product markets among auto manufacturers. Shipments of made-in-Canada cars and trucks already had shown marked increases, according to bureau of statistics reports. They numbered 389,882 in 1961, 512,047 in 1962, 630,411 in 1963, 669,496 in 1964, and 564,529 in the first eight months of this year. Shipments in the first eight months of last year numbered 463,752.

### \$130 Bail Set In Court Case

Neil A. Wight, Georgetown, charged with drunken driving was remanded till Nov. 4 with bail set at \$130. The accused was arraigned before Magistrate A. James Haslam, Q.C. in City Police Court Friday morning.

Harold Larier, city, charged with assault offered a plea of not guilty and was remanded Nov. 5 with bail to stand. Gordon Tweedy is representing the accused.

Donald Keith Taylor, Sherwood, was assessed \$14 and costs or five days on a speeding charge.

One man was convicted of illegal possession of liquor, another was fined on a charge of being drunk and disorderly while a third man charged with being drunk and incapable was committed to Riverside Hospital for observation and treatment if necessary.

### ADmits MURDER

PARIS (Reuters)—A 28-year-old West German admitted Tuesday murdering three Paris prostitutes found strangled within the space of a week. Police said he confessed to all three killings after hours of questioning.

### PRIZE WINNERS

The following are the first prize winners of the fiddling and step dancing contest held recently at Mt. Ryan Hall. Class 1 (6-9) years, Isabel Gallant. Class 2 (10-13) years, Larry Brazeal. Class 3 (14-16) years, Clara Steele. Class 4 ladies step-dancing, Paula Corrigan. Fiddling, Earl Hughes. Class 6, A. Murphy.

### CARD WINNERS

The following are the results of the card party played at the Community Center Thursday night: special prize, Raymond Gauthier; door prize, Peter Costello; ladies first, Mrs. M. Wedge; ladies second, Mrs. C. Shepherd; gents first, Brian Malone; gents second, Sterling MacLeod; consolation prize, Dr. Frank Bowness and Mrs. J.R. Gallant. The freizeout was won by Mrs. H. Handrahan and Preston Macdonald.

### CITY AREA FUNERALS

**LAFFERTY** — The funeral for Mrs. Margaret Lafferty took place on Friday morning from the Hennessey Funeral Home to the Church of the Most Holy Redeemer where Requiem High Mass was celebrated by Rev. W. J. Enright C.S.B., who also conducted the service at the grave. The pallbearers were Allison MacMillan, Edmund Handrahan, Vincent Murphy, Francis Murphy, Alex MacIsaac, Ivor Smith. Interment took place in St. Martins Church cemetery, South Shore.

## ARDA Expanding Into New Phase

**CAPITAL BUREAU OF THE GUARDIAN** — Under a new agreement between the federal and provincial governments, the Agricultural Rehabilitation and Development branch of the Department of Forestry is looking forward to the second phase of its development.

Started in 1961, ARDA has gradually been gaining momentum as more and more projects are initiated to make the best possible use of marginal lands in Canada. ARDA director A. T. Davidson reports that some 300 projects involving more than \$80,000,000 in federal and provincial funds have so far been approved.

While ARDA has not developed into a sprawling bureaucracy, Mr. Davidson is hoping to add to his present staff of experts which now number about 20. Most in demand and hardest to find are economists who are qualified to undertake the kind of studies involved in ARDA projects. Two regional offices are being opened to decentralize the work.

**NEW OFFICE** — The agency recently moved into a new Ottawa office building which also houses its parent department of forestry. ARDA started as a branch of the department of agriculture. When Maurice Sauve was named forestry minister, he was given responsibility for ARDA in order to increase the importance of his portfolio.

While there has been some criticism of ARDA in election campaign speeches, Mr. Davidson isn't worried. He feels his agency has made good progress in the few years of its existence. Under the recently concluded five year agreement with the provinces, he is enthusiastic about the future role of the branch in the development of Canadian resources.

## LOCAL BRIEFS

### ENTERS HOSPITAL

James McCordie, Middleton, has entered the Charlottetown Hospital for treatment.

### IS PATIENT

Ronald MacInnis, Keppoch, is a patient in the Charlottetown Hospital.

### IN HOSPITAL

Mrs. Edna LeClair, 315 Queen Elizabeth Drive is a patient in the Prince Edward Island Hospital.

### ENTERS HOSPITAL

Mrs. Edna LeClair of Queen Elizabeth Drive, Charlottetown is a patient in the Prince Edward Island Hospital.

### IS PATIENT

Warfield Orr of New Glasgow, P.E.I. is a patient in the P.E.I. Hospital where he has undergone surgery.

### IN HOSPITAL

Dugald MacNeill, superintendent of Beach Grove Inn is patient at Charlottetown Hospital where he is receiving treatment for a heart condition.

### SON PROMOTED

Mr. and Mrs. Joseph Rush, 65 Rochford Street, have received word that their son, Merrill, has been promoted to the position of divisional manager of Woolco Ltd. He is now residing in Sudbury, Ont.

### TOURS CENTRE

Tommy Common, radio and television personality, got a first-hand look at Confederation Centre yesterday. He was taken on a tour through the buildings by Jack MacAndrew, public relations director.

### CORRECTED TIMES

Winsloe United Church pastoral charge, Rev. T.R. Goudge, minister, Sunday, Oct. 24. Worship: Winsloe South 11 a.m. Rally Day Service at Princeton Road 7.30 p.m. Sunday Schools in the morning at the regular hours.

### ON COMMISSION

Victor Moore, son of the late Col. Fritz F.L. Moore, a lawyer and militia man of Charlottetown, has recently been named commissioner of the Canadian delegation to the international commission for supervision and control in Viet Nam.

### ARE GRADUATES

Sister Mary Ethel of the Western Hospital and Cecil Ladner of the Prince Edward Island Hospital were graduates of the Canadian Hospital Association extension course in hospital organization and management this year at the University of Manitoba, Winnipeg.

### PRIZE WINNERS

The following are the first prize winners of the fiddling and step dancing contest held recently at Mt. Ryan Hall. Class 1 (6-9) years, Isabel Gallant. Class 2 (10-13) years, Larry Brazeal. Class 3 (14-16) years, Clara Steele. Class 4 ladies step-dancing, Paula Corrigan. Fiddling, Earl Hughes. Class 6, A. Murphy.

### CARD WINNERS

The following are the results of the card party played at the Community Center Thursday night: special prize, Raymond Gauthier; door prize, Peter Costello; ladies first, Mrs. M. Wedge; ladies second, Mrs. C. Shepherd; gents first, Brian Malone; gents second, Sterling MacLeod; consolation prize, Dr. Frank Bowness and Mrs. J.R. Gallant. The freizeout was won by Mrs. H. Handrahan and Preston Macdonald.

## Hold Services In Memory Of Founding

**MURRAY RIVER** — On Oct. 24 at 3 p.m. and 7.30 p.m. the United Church in Murray River will hold special services to commemorate the anniversary of its founding in 1894.

Rev. Wallace MacPherson, of Dryden, Ont. will be guest preacher at both services which will be conducted by Rev. David Barwise, the minister of the church. Special music will be provided by the Murray River Choir and visiting singing groups.

At this service a baptismal font, a pulpit, pulpit chairs, pews and several Bibles will be presented for dedication. A new organ will also be dedicated in memory of the men who paid the supreme sacrifice during the world wars.

The Church Sunday School has a present enrollment of 94 pupils. A C.G.I.T. group was organized in 1947 and now has an enrollment of 17 girls. The Church has been served by the women of the congregation, A Ladies Aid and Womens Missionary Society were organized in 1907.

## UN Ceremony Set For Plaza

To mark the twentieth anniversary of the United Nations, The Prince Edward Island Branch of the United Nations Association in Canada has planned a brief ceremony for tomorrow morning.

Throughout the world, similar ceremonies will be conducted in cities of member states. Canada was a founding member of the world organization, and has continued her enthusiastic support for the policies and actions of the United Nations.

The local observance will commence at 10.30 a.m., and will take place in the plaza of Confederation Centre, adjacent to the cenotaph on Grafton Street.

The Lieutenant-Governor, Hon. W.J. MacDonald, will inspect a honour guard mounted by 5 Signals Regiment, Royal Canadian Signals. Following the inspection, the United Nations flag will be raised on the plaza and will fly for the balance of the day.

P.M. Lothian, president of the P.E.I. Branch, will complete the ceremony with comments on the importance of the United Nations Organization.

Invitations to attend the ceremony have been intended to the premier, the mayor of Charlottetown, commanding officers of local militia units, and presidents of veterans associations.

The general public is cordially invited to attend this local observance of United Nations Day.

## WEATHER

**TORONTO (CP)** — Temperatures: Low Overnight High Friday  
Dawson ..... 10 22  
Vancouver ..... 42 56  
Winnipeg ..... 41 59  
Toronto ..... 43 45  
Ottawa ..... 40 44  
Montreal ..... 41 47  
Quebec ..... 35 45  
Fredericton ..... 41 46  
Saint John ..... 44 46  
Moncton ..... 43 46  
Halifax ..... 48 49  
Charlottetown ..... 42 44  
Sydney ..... 47 52  
Yarmouth ..... 52 63  
St. John's ..... 48 51  
Boston ..... 54 64  
New York ..... 61 67  
Miami ..... 74 85  
New Orleans ..... 57 71  
Tucson ..... 62 85  
Los Angeles ..... 70 101

**HALIFAX (CP)** — The weather office says a developing disturbance extending from over the Great Lakes southward to Cape Cod was moving steadily eastward Friday evening. As a result, rain is expected over the entire Maritimes today.

Cloudy weather is expected Sunday, with little change in temperature.

**Regional forecast:**  
Eastern Shore, Cape Breton, Prince Edward Island: Overcast. Rain beginning late in the morning and tapering off to scattered showers late this evening. Cool. Winds light increasing to southeast 25 late in the morning. Low-high at Goshen 43 and 50, Sydney and Charlottetown 40 and 50. Outlook for Sunday: Cloudy. Little change in temperature.

**High tide today at Charlottetown 10.35 a.m. and 11.00 p.m. At Rustico at 5.48 a.m. and 6.11 p.m. High tide Sunday at Charlottetown 11.31 a.m. and 11.40 p.m. At Rustico at 6.57 a.m. and 6.45 p.m. Summerside tide eighteen minutes later than Charlottetown. Sun rises today at 7.31 a.m. and sets at 6.23 p.m. Rises Sunday at 7.32 a.m. and sets at 6.22 p.m. All times ADT.**

## EASTERN FUNERALS

**MACINTYRE FUNERAL** — Funeral services for the late Duncan MacIntyre of Montague, were held from St. Andrew's Presbyterian Church, Montague, on Tuesday, Oct. 19 at 2 p.m. The service was conducted by Rev. Basil Lowery. The hymns What A Friend We Have in Jesus and My Faith Looks Up To Thee were sung by the choir accompanied by Mrs. A.F. Campbell, organist. The pallbearers were J.B. Salton, Leslie Macdonald, Cecil Power, Cyrus Martin, Glen MacLaren, and A.A. Fraser. The flowerbearers were Ross Hamilton, Hugh MacEachern, Winslow Wilt and Penna Sanderson. Interment took place in the Cardigan cemetery.

## Minister Says Fisheries Aid Given In N.S.

The federal government is providing \$16,000 to assist lobster fishermen in Halifax and Guysborough Counties, Nova Scotia, who suffered heavy losses due to storms during 1965.

Fisheries Minister H.J. Robichaud, in announcing this contribution, said it matched a provincial government grant recently announced in Halifax.

Both federal and provincial contributions will be made available to a disbursement committee established to distribute the fund.

To be the representative this year. The committee is composed of the Premier, Speaker of the House and the Leader of the Opposition.

Mr. Stewart will be absent for six weeks as he intends to tour Japan, Singapore and Australia returning to the province on Dec. 12. While at the conference Mr. Stewart will give an address on federal-provincial agricultural co-operation in Canada. The conference is of three weeks duration.

J. George MacKay was the 1964 representative of the Legislature at the annual meeting in Jamaica. Dr. L.G. Dewar travelled to Malaysia in 1963 and the late Stephen S. Houston died while representing this province at Nigeria in 1962.



MR. STEWART

## To Represent This Province At Conference

J. David Stewart, M.L.A., will represent the province at the annual meeting of the Commonwealth Parliamentary Association to be held in New Zealand, it was announced by Premier Walter R. Shaw.

Mr. Stewart was chosen by a committee of the Legislature

## Island News Page

Eastern and Central Districts  
The Guardian, Charlottetown, Sat., Oct. 23, 1965. 5

## New Artificial Respiration Is Being Tried Out On Dogs

**ATLANTIC CITY (AP)** — A new self experimental method of artificial respiration — employing a mild electric shock to stimulate the diaphragm and get the lungs working — was reported here.

Although still limited to use on dogs the method shows preliminary promise of eventually having a wide range of potentially life-saving uses in man, declared Dr. Willard M. Daggett of Harvard Medical School.

He told a press conference preceding a report to the 51st congress of the American College of Surgeons that conceivable uses for it in humans would include:

1. Emergency treatment of victims of emphysema a widely prevalent ailment in which, always, are partially blocked and stiffens sometimes experience near-suffocation crises.

2. Relief of patients who sometimes have difficulty breathing after "open heart" surgery and other types of operations.

Indeed he said, if the technique sustains its initial promise "it could have a profound influence on the whole field of assisted ventilation," possibly rivaling some of the large respirator devices now used for a variety of conditions.

The technique involves threading a spaghetti-shaped catheter tube into a vein in the neck and then pushing it into the "superior vena cava" the main highway of venous blood from the head and upper extremities leading to the heart.

Alongside this big vein runs the phrenic nerve that helps control expansion and contraction of the diaphragm. With the catheter in place and serving as an electrode, an electric charge is applied. This stimulates the phrenic nerve which, in turn, nudges the diaphragm into action.

## Nfld. Gets Bait Units

Nine bait holding units and one larger freezing and holding depot, which will make bait more readily available to commercial fishermen, are to be established in Newfoundland settlements, Fisheries Minister H.J. Robichaud announced yesterday.

Forty-eight such establishments are already in operation in the province by the Newfoundland Bait Service of the federal Department of Fisheries. The new units will be located at Petty Harbour, Cow Head, Pass Island, Point Rosie, Fogo, Winterton, Cooks Harbour and Forteau, where the bait holding unit at West St. Modeste is to be relocated.

The soft drink business in Mexico now is worth \$446,000,000 yearly and employs 20,000 people.

## MANY LIKE POP

SELF-SERVICE Laundry & Drycleaning  
● Economical  
● Easy and speedy  
● Visit our Car Wash also

**S & M**  
Eden St. Charlottetown

SHOWS 1-3-7-9

TRUE STORY OF AFRICA'S MOST DANGEROUS HUNT!  
HARRY GUARDINO SHIRLEY EATON ROBERT CUP  
**RHINO!**  
METROCOLOR

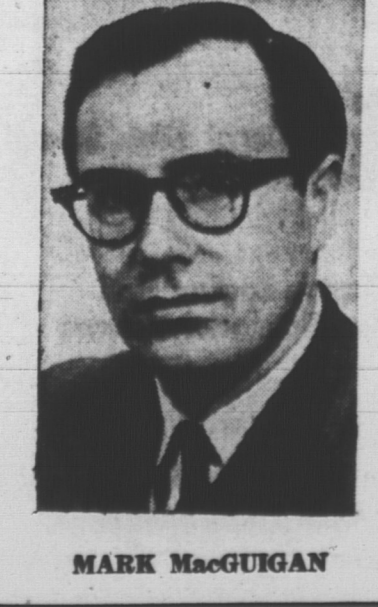
FOR SHEER STUNNING  
**HITCH-SHOCK**  
BE A BIRDS WATCHER!  
SPONSORED BY U.C.T.  
SUNDAY AT 9.00

"It could be the most terrifying motion picture I have ever made!"  
ALFRED HITCHCOCK  
**ALFRED HITCHCOCK'S The Birds**  
ROD TAYLOR - JESSICA TANDY  
SUZANNE PLESSETTE and TIPPY HEDREN

COMING MONDAY  
GARDNER ANDREWS DOUGLAS  
THE AMERICANIZATION OF EMILY  
CAPITOL

CONFEDERATION CENTRE ANNOUNCES . . .  
**... AUTUMN SHOWCASE '65 ...**  
Comedy . . . Music . . . Song  
**THE NEPTUNE THEATRE COMPANY**  
Oct. 29 ... 'As You Like It'  
Oct. 30 ... 'Tunnel of Love'  
**THE HALIFAX SYMPHONY ORCHESTRA**  
Nov. 17 ... 'An Evening of Fine Music'  
**IAN AND SYLVIA**  
Nov. 26 ... 'Blues, Ballads and Rousers'  
BUY SERIES TICKETS AT DISCOUNT PRICES  
SERIES PRICES — \$5.00 to \$10.00  
INDIVIDUAL TICKETS — \$1.50 to \$3.00  
Box Office Open Daily Noon to 5:30 from Oct. 21

know why YOUR vote  
—can count for more—  
**TONIGHT**  
SATURDAY, OCT. 23  
at  
7:15 P. M. — CFCY-TV  
One of your Queens County  
**LIBERAL CANDIDATES**  
**MARK R. MacGUGAN**  
WILL DISCUSS  
**MEDICARE**  
and  
**PENSIONS**  
As they affect YOU  
**VOTE: JONES MacGUGAN**  
**LIBERAL** (Your Liberal Candidates in Queens)



MARK MacGUGAN