

Space Music Assists In Outer Atmosphere Probe

By DAVE MCINTOSH
Canadian Press Staff Writer
OTTAWA (CP) — Dr. Owen Storey, 28-year-old physicist with the Defence Research Board, listens to "space music" in his laboratory.

In the last six years his listening to "whistlers," "clicks" and the "dawn chorus" has led to important discoveries about the earth's outer atmosphere.

He's going to do a lot more listening in the next two years, especially between July, 1957, and December, 1958, the International Geophysical Year. During this time DRB stations at Ottawa, Saskatoon and Halifax will record "space music" and try to interpret the information gathered.

Atmospheric radio signals are familiar enough in the form of static on the radio from a thunderstorm. But whistlers are low-frequency signals below the lowest broadcasting frequencies. One needs an amplifier like the one in a photograph to convert the radio wave into sound.

WAVES RECORDED
Dr. Storey has recordings of

whistlers. First one hears a click, followed a second or two later by a sound similar to a high-speed jet flying overhead.

Working in 1950 at Cambridge University, England, Dr. Storey, a native of Wales, found that the clicks were caused by flashes of lightning.

But Dr. Storey also found that he heard whistlers without clicks. He surmised that these were caused by lightning in thunderstorms on the other side of the world and that the radio wave went far out into the atmosphere, following the earth's magnetic field back to earth.

Experiments proved that his theory was correct. They proved much more. That to propagate a radio wave over such distances the earth's outer atmosphere must be 100 to 1,000 times denser than previously believed.

MORE PROBING
Dr. Storey said Wednesday in an interview that he believes there is a "tenuous material," such as a gas and probably hydrogen, extending from the sun throughout

the solar system as far as the earth at least.

He estimates the radio waves caused by lightning may travel up to 20,000 miles from the earth. Further study of them may reveal more than now is known about this planet's outer atmosphere.

So may study of the "dawn chorus." This is heard in low frequencies as well and sounds like the gable or twittering of thousands of small birds.

Dr. Storey said there is as yet no explanation for the "dawn chorus" but that it may be radio waves originating in the outer atmosphere.

Charges Of Milk Theft Adjourned

All six men, charged in connection with the theft of milk from Central Creameries, were further adjourned for one week by Magistrate Gilbert Gaudet in Queen's County Magistrate's Court yesterday morning. The remains were granted at the request of the Crown, represented by Mr. J.P. Nicholson and the bail set previously allowed to stand. Allison Gillis and R.R. Bell, Q.C., are appearing for the defence.

As usual, speeding was the largest single offense committed by yesterday's accused. Nine persons pleaded guilty to this offense and under the Highway Traffic Act were each fined \$10 and costs. The accused were from Toronto, Halifax, Winsloe, Vernon, Fort Augustus, Quebec, Summerside, and two from Charlottetown. Also under the Highway Traffic Act, a person from Veron Rover, for failing to stop at a stop sign, and a person from North Rustico, for having defective lighting on his vehicle, were each fined \$5 and costs. An unlicensed driver from Southport also fined \$5 and costs. Of two persons charged with failing to file an Income Tax return for the year 1955, a Beaton Mill's P.O. resident was fined \$25 and costs, while the case of a Fredericton, P.E.I., resident was adjourned until Monday next.

A single Temperance Act case was adjourned for one week.

Centennial Y's Men's Club Meets

The weekly supper meeting of Centennial Y's Men's Club took place last evening with Clarence McInnis and Bruce Hodgins as co-chairmen, Les Alexander and Claude Whitenet collaborating on the sing-song and Bob Giggy as finesmaster.

The guest speaker was Dr. Hugh Sensibaugh of the Rockland Christian Church in Cincinnati, Ohio. Dr. Sensibaugh was introduced to the club by Rev. Mr. Dunbar.

Dr. Sensibaugh used as his theme, a quotation of St. Paul in the Philippians "Join me to Christ and I have life." He then developed his theme by illustrating St. Paul's own concepts in Christian conduct, conviction, courage, character and consistency.

Dr. Sensibaugh, a Y.M.C.A. member of 18 years service, concluded his remarks by pointing out the Christian Fellowship the local club was enjoying.

United Nations Party Is Held

A United Nations party was held at the home of Miss Lelia Morris, 209 Weymouth Street last evening. Mr. Gary Rea Arith U.N. member in Charlottetown, gave a brief talk on the hopes, aims and importance of the U.N. which was just 11 years old and he pointed to the fact that thoughts which had been in the minds of many people for over a hundred years were finally becoming crystallized and expressed in the hope that more of us would become conscious of our individual responsibility to learn more about the United Nations.

Tiny dolls from many countries were on display and the guests were invited to name the country each one represented.

Refreshments were international with little cards showing the country from where they were imported.

The evening ended with the cutting of a birthday cake with 11 candles.

Services Continue Nightly At Central Christian Church

Good attendance, favorite hymn singing and inspiring messages have featured the evangelist services currently being held nightly at Central Christian Church.

Hugh F. Sensibaugh, evangelist, speaking each night, chose last evening for his subject, the question, "Are you justified?" Pointing out on the one hand, that God is just, righteous and holy, while, on the other hand man is sinful, unrighteous and fallible, Mr. Sensibaugh posed the question asked by Job, "How can man be justified or made righteous before God?" He emphasized that only by the grace of God himself has the means been provided whereby man can be justified. That by faith in the Lord Jesus Christ, who has paid the penalty for man's sin, man can obtain forgiveness and have peace and communion with God and be relieved of the just penalty for sin and disobedience.

Special music was provided by a trio of voices, Mrs. Malcolm Beck, Mrs. Alvin Rowledge and

DEATHS

BOSHIUS — At 47 Valley Street. Oct. 25, Gys Boshuis, three-month-old son of Mr. and Mrs. Gys Boshuis. Resting at the MacLean Funeral Home. The remains will be transferred today to the residence of his grandparents, Spurgeon Graves, 18 Passmore Street. Funeral notice later.

MACKINNON

At the P.E.I. Hospital on Oct. 23, 1956, Neil A. MacKinnon in his 81st year. Resting at the MacLean Funeral Home. Funeral today, Thursday, service commencing at 2 o'clock. Interment in Canoe Cove Cemetery.

MORRISON

At Camphill Hospital on Oct. 22, 1956, Peter Morrison aged 58 years. His remains arrived by train in the city last evening and were conveyed to the Hennessey Funeral Home. Funeral arrangements will be announced later.

SINGAPORE (Reuters)

Police Thursday arrested a man armed with a dagger outside the home of Singapore's chief minister, Lim Yew Hock. Lim has received a number of letters threatening him with death since he began a campaign against subversion in the colony last month.



SERVICE Club presidents and their wives were guests of the Kiwanis Club at their annual Ladies' Night dinner and dance held at the Clover Club last night. LEFT — E.S. Matheson, Lions,

Kiwanis Hold Ladies' Night

For the ninth consecutive year the Kiwanis Club held their annual Ladies' Night at the Clover Club last evening with that ever recurring zest for clean carefree fun which has characterized the organization.

In the regrettable but unavoidable absence of resident Will Smith, his duties as chairman fell to Vice President E.G. MacLeod who extended a cordial welcome to the members and their wives and invited guests. He specially greeted the representatives of other service clubs in the city and introduced them individually.

Mr. and Mrs. G.C. Fisher, Rotary, Mr. and Mrs. J.B. Shelton, Kinsmen, Mr. and Mrs. Keith D. Myers, Gyro, Mr. and Mrs. E.S. Matheson, Lions, City Councillor Edwin C. Johnstone, speaking on behalf of the Mayor and the City Corporation said he welcomed the opportunity to express appreciation for the wonderful work done by the Kiwanis Club.

The people of Charlottetown had not taken advantage of Victoria Park as a place for children to play and develop physically in safety until a few years ago when Kiwanis started their swimming pool project.

"We cannot estimate in dollars and cents what this has meant to our city," Mr. Johnstone said. Our appreciation and the good wishes of the city are extended to the Kiwanis Club on the good work.

MILK BAR
A feature of the meeting was the presentation of an elaborately designed scroll address to Kiwanian Andrew MacEachern in appreciation of his management and

George C. Fisher, Rotary, E.G. MacLeod Vice Pres. Kiwanis, E.C. Johnstone City Councillor representing the Mayor, Keith Myers, Gyro, J.B. Shelton, Kinsmen
Guardian Photo

operation of the Kiwanis Milk Bar in Victoria Park. The address was accompanied by a suitable gift.

In proposing the toast to the ladies, Mr. Gerald Foster dwelt on the splendid contribution made by them in modern times in community activities. The response on behalf of the Ladies was made by Mrs. A.W. Rogers—"by remote control", her remarks having been taken previously on a tape recorder. Considerable enjoyment was experienced through this innovation and also on hearing an extended report from the "Wanderer Reporter" by the same method, as he dealt with the activities of the club over an extended period.

Appreciation was expressed for many beneficial acts extended the club by Reg. Mahar and also by John VanMaarion, the latter being unfortunately unable to be present to receive the same.

The dinner meeting was opened at 8 o'clock with grace by L.G. MacNevin and the toast to the Queen, and closed with O Canada Piano music during the dinner period was by Mrs. William Campbell.

The Chairman expressed the thanks of the club for the splendid turkey dinner arrangements by the Ladies Auxiliary of the Canadian Legion under their convenor, Mrs. William Teed, with Mrs. Douglas K. MacLeod in charge of dining and table arrangements which were unusually pleasing. The floral decorations were by Mrs. W.G. Bruce.

Following the dinner meeting members of the club and their wives along with a large number of invited guests, enjoyed a period of dancing with music by the Legionaires.

Leave Today For Scout Meetings

R.C. Parent, Provincial Commissioner and Bill Reid, Provincial President of the Boy Scouts Ass'n leave by air this morning for London, Ontario where they will attend meetings over the week-end of the Canadian General Council of the Boy Scouts Association.

Most important items the meetings will deal with are the golden anniversary jamboree to be held in England next summer and the American jamboree also to be held next summer at Valley Forge 1,040 Canadian boys will be flown to England by T.C.A. to take in the 50th anniversary of scouting and the 100th anniversary of the founder, Lord Baden-Powell of Gilwell. Seven Scouts and one leader will take the trip from this Province.



REV. JOHN LINTON

To Address Temperance Meeting

Rev. John Linton has recently returned from the World Congress on the Alcohol Problem at Istanbul where he addressed the gathering. Mr. Linton will arrive on Monday evening to address the Annual meeting of the temperance Federation at the Y.M.C.A. being held at 2.30 and 7.30 on Tuesday October 30.

Miss Winifred Hayter singing "My Wonderful Lord"

The choir, under direction of Mrs. Allison MacRae, rendered the anthem, "When We Stand Before The King". The minister, M.D. Dunbar conducted the service.

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VETERANS' DANCE

at CLOVER CLUB
Dancing 10 p.m. to 2 a.m.
FRIDAY, OCT. 26
Refreshments will be served.
\$1.00 per couple.

MONSTER'S NEST

Loch Ness in Scotland is 23 miles wide and averages 1 1/4 miles in width.

DESCRIBES JET AIRLINER

BOSTON (AP)—G. R. McGregor, president of Trans-Canada Air Lines, said Tuesday the new Douglas DC-8 intercontinental jet airliner, due in 1960, will have maximum fuel capacity for one

flight of 21,000 gallons—"enough to drive your automobile a lifetime." McGregor, in a talk prepared for the Boston conference on distribution, said the new airliner, capable of carrying 102 passengers and three tons of cargo, will cruise at 850 m.p.h.

W. G. MacKenzie Laid To Rest

A very large congregation yesterday attended funeral services for the late Walter MacKenzie held at Trinity United Church. Services were conducted by Rev. A. Frank MacLean and Rev. Howard Christie. At the grave, Rev. Frank MacLean and Rev. Alexander MacKay conducted the service.

Members of the Prince Edward Lodge A.F. and A.M. attended in a body, as did the members of the Prince Edward Island Mutual Fire Insurance Co. The Masonic service was conducted by Mr. Ernest Dunning, P.M.

Honorary pallbearers were Mr. R.R. Bell, Q.C., Dr. W.F. MacMillan, Dr. J.W. MacKenzie, J. Angus MacLean, M.P., Heath MacQuarrie, Ivan Brown, Frank Myers, Col. E.W. Johnstone, Leland Linkletter. Acting pall bearers were H. Bennett Carr, J. Philip Matheson, H.F. MacPhee, Irving Haslem, Murdoch A. MacLeod, Neil Matheson, Interment in the Springfield Cemetery.

WEATHER

TORONTO (CP) — Temperatures issued Wednesday night by the Toronto public weather office:

Fredericton	50	51
Moncton	54	56
Halifax	56	62
Charlottetown	55	56
Sydney	55	61
Yarmouth	53	57

HALIFAX (CP)—The weather office says an intense area of high pressure is centred to the east of Hudson Bay and is moving northeastward. Around it strong winds are blowing across the Maritimes. These winds will diminish as the high approaches.

Forecasts:
Prince Edward Island: Sunny with a few cloudy intervals; much cooler; northeast winds 25. Low high at Charlottetown 35 and 43.
Atlantic: High at Charlottetown at 1.34 a.m. and 3.04 p.m. At Rustico at 10.30 a.m. and 9.34 p.m. Summerside tide eighteen minutes later than Charlottetown. Sun rises today at 6.42 a.m. and sets at 5.12 p.m.

STORE HOURS

THURSDAY ... 8:30—5:30
FRIDAY 8:30—9:30
SATURDAY .. 8:30—12:30



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GRADE "A" MILKFEED, 1 YEAR OLD	FOWL lb. 35c	JEWEL SHORTENING	1 lb. pkg., 2 lb. . . . 55c
FRESH ROAST PORK, lb. . . .	45c	AJAX REGULAR SIZE	2 for 29c
ROLLED ROAST VEAL, lb. . . .	49c	MAPLE LEAF MINCEMEAT	2 lb. tin 49c
CORNED NECK RIBS, 2 lbs.	35c	EDDYS BEST MATCHES	3 boxes 29c
MAPLE LEAF BRAWN, lb. . . .	35c	12 OZ. PKG. KELLOGGS	CORN FLAKES, pkg. 27c
BOLOGNA, lb. . . .	29c	BLEACHED SULTANA RAISINS, lb. . . .	29c
1 LB. PKG. HALLOWE'EN KISSES	33c	McCREADY'S 24 OZ. SWEET MUSTARD PICKLES, Each . . .	39c
CAMPBELL'S TOMATO OR VEGETABLE SOUP, 3 tins	39c	FRESH ROASTED PEANUTS lb. 35c	
KRAFT DINNER, 2 Pkgs.	29c	FRESH FRUITS & VEGETABLES	
IDEAL DAIRY COTTAGE CHEESE	25c	SUNKIST ORANGES	2 DOZ. CELLO BAG 59c
KOLD-PAK FRESH FROZEN STRAWBERRIES, pkg. . . .	43c	LOCAL CARROTS	3 lb. 21c
ZERO-PAK FROZEN PEAS, pkg. . . .	29c	EMPEROR GRAPES	lb. 19c
FROZEN FRENCH FRIES, pkg. . . .	23c	LARGE FLORIDA GRAPEFRUIT . . .	3 for 29c
MINUTE MAID ORANGE JUICE, 2 tins	49c	SWEET POTATOES	2 lb. 29c
48 OZ. TIN HEINZ TOMATO JUICE, Each	39c	LONG GREEN CUKES	2 for 27c
		TABLE SQUASH,	lb. 8c

CITY AND CENTRAL

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BROOKFIELD PRESBYTERIAN Church W.M.S. Thanksgiving Service Sunday, Oct. 28th, 7.30 p.m. Rev. E.H. Bean, Guest speaker. Special music by Kensington Presbyterian choir.

MR. AND MRS. ANGLUS MacDonald, Chelton, will be at home to their friends and neighbours on the occasion of their 35th anniversary on Saturday evening, October 27th, from 8 p.m. to 10 p.m.

POLICE COURT—Magistrate K. M. Martin was faced by only one case in City Police Court yesterday morning. A drunk and incapable was fined \$1. and costs or 5 days in jail.

ZION SERVICE — A very large congregation last night attended the third in a series of sermons being delivered by Rev. Stanley W. Vance at Zion Presbyterian Church this week. Speaking on "The Call to Church," Mr. Vance took as his text, "Upon this Rock I will Build My Church" (Matthew 16:17 The Men's Brotherhood Choir sang "Were You There When They Crucified My Lord". The anthem was a prayer by Handel. The music was under the direction of the church organist, Mr. John Lea-Morgan, accompanied by Mrs. V.L. Dingwell as pianist.

A. Y. P. A. MEETING — The weekly meeting of St. Paul's A.Y.P.A. was held in the parish hall last evening. The meeting opened with prayer by the president, Kenneth Jenkins, followed by Bible reading by Carene Hogan. A short business discussion was held in which Christmas toys were discussed. It was announced that a Deaneery Hallowe'en party would be held at Crapaud on October 30. A possible organization of a quick troupe was further discussed. The business meeting was followed by a sing-song and lively games. Lunch was served and the meeting closed with Auld Lang Syne.

TRINITY Y.P.U. MEETS—The Trinity Y.P.U. met in the social hall last evening. The programme was led by the Citizenship and Community Service Commission. The meeting opened with a game under the direction of Jerry Coffin, after which the Union divided into their various commissions. A slide was then shown entitled "Boy Meets Girl" after which Carol Hardy and Rev. Mr. Christie led a discussion on that topic. The worship was led by Jean MacPherson, Ralph Bagnall and Ina Stretch. The meeting closed with a prayer by Mr. Hodgins and the singing of Taps.

SEGUN—At Buckingham Hospital, Quebec, on November 9th, to Mr. and Mrs. Claude Segun (nee Joyce Warren), a son.

POUND—At the P.E.I. Hospital on October 22nd, to Mr. and Mrs. Reagh Pound, a daughter Raena Lee. Weight 7 lbs 2 oz.

HENNESSEY—At the Charlottetown Hospital on October 23rd, to Mr. and Mrs. Allison Hennessey, a son. 7 lbs. 10 ozs.

STOREY—At the P.E.I. Hospital, on October 17th, 1956, to Mr. and Mrs. Edison Storey, Millview, a daughter, Veda Catherine.

DEWAR—At the King's County Memorial Hospital, Montague, on October 23rd, to Mr. and Mrs. Stewart Dewar, Montague, a daughter, Brenda Margaret. Weight 9 lbs. 7 ounces.

FERGUSON—At the P.E.I. Hospital on Sunday, Oct. 21, 1956, to Mr. and Mrs. Robert Ferguson, of Hampton, a son, Peter Angus, 7 lbs. 8 ozs.

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