New Finds Reported By Telstar Satellite

NEW YORK (CP-AP)—The far - ranging Telstar satellite, which ran into intense radiation in space when it was launched following a U.S. nuclear explosion last July, has come up with a new find.

It detected a flood of radiation poured into space immediately after the Soviet Union's high-altitude nuclear tests in late October.

Telstar discovered the radiation nearly filled up the gap between the inner and outer Van Allen radiation belts that circle the earth. Walter L. Brown of Bell Telephone laboratories reported here.

The Van Allen belts are two concentric doughnut - shaped bands of radiation.

There was less of an increase in radiation in the bands themselves than in the strange gap between the two bands, said Brown, head of the semi-conductor physics research section.

It isn't known why the gap exists between the smaller inside radiation belt and the larger outside belt. But Bell scientists found the radiation—large increases in energetic electrons — gradually decreased in the weeks following the test blasts.

RADIATION CLEARED

Telstar also discovered that there is some sort of mechanism at work that helps clear the radiation from the slot between the two belts, Brown told a meeting of the American Physical Society.

There is also a decrease due to a scattering of the electrons when they encounter the sparse molecules of air in the upper atmosphere.

The Oct. 22 Soviet blast increased the number of electrons by 100 to 1,000 times, Brown said.

Then, each day, the number of electrons decreased — as much as 50 per cent a day in the rapidly-clearing centre of the gap between the belts.

The Oct. 28 nuclear blast nearly filled the slot again, and the clearing process set in again as before.

PATROLS ORBIT

Telstar patrols an orbit between 600 and 3,500 miles above the earth. When it was launched July 10, 1962, it found that there was even a higher intensity of radiation in the slot than after the later Soviet tests.

The United States had exploded a nuclear device somewhere above 600 miles altitude only the day before the Telstar launch.

Besides being greater than the radiation produced by the Soviet nuclear tests, the radiation measured by Telstar in July also decayed and cleared from the slot at a slower rate than after the Soviet tests.

Telstar is primarily a communications satellite and has transmitted television programs across the Atlantic by relaying signals from earth back to earth.

However, the satellite was also to test whether a complex electronic device could survive within the high radiation intensities of the Van Allen belts. It was equipped with devices to measure radiation and report back to earth.

Showdown Fight Is Shaping Between CLC, Carpenters

By ROBERT RICE

OTTAWA (CP)—A new showdown is imminent in the long-smouldering dispute between the Canadian Labor Congress and its second-ranking affiliate, the United Brotherhood of Carpenters and Joiners, reliable sources indicated here.

The 65,000-member Carpenters union has been in the bad books of the congress since it stepped into the Newfoundland woods to organize 15,000 loggers in the aftermath of a bitter 1959 strike against the logging companies.

Claiming unfair treatment by the CLC, the Carpenters union walked out of the CLC's policy convention in Vancouver last April and stopped paying its $4,000-a-month per capita dues to the congress.

Once a union falls three months behind in its dues, the CLC executive council can suspend it. So far, this action has been postponed—even though the Carpenters union now is 11 months in arrears—in the hope that the dispute could be resolved.

CONGRESS ADAMANT

The Carpenters union is under fire for insisting on a clean bill of health from the CLC before paying up its back dues and making peace. The congress has refused to clear the union in this fashion.

The Vancouver convention acquitted the Carpenters union of a charge of raiding, filed against it by the International Woodworkers of America (CLC) after the Newfoundland intervention. But the convention ruled that the Carpenters' union violated CLC policy by pursuing its Newfoundland organizing campaign while the latest expulsion dispute was before the congress.

The CLC wanted both the carpenters and the woodworkers unions to hold off until the loggers could decide in a vote which union they wanted as their bargaining agent.

After walking out of the convention and halting per capita payments, the Carpenters union went ahead and signed two-year contracts to represent the loggers employed by Anglo - Newfoundland Development Company and Bowaters Limited. The agreements expire in 1964.

SCHISM FEARED

The dispute contains the seeds of a serious schism in the ranks of labor. If the Carpenters union is suspended, then other building trades unions may walk out of the central congress.

There is evidence of strong pressure to resolve the carpenters question without any open rift. Hard-headed realists in the labor movement favor a deal to keep the Carpenters union in the CLC since it holds bargaining rights in Newfoundland.

Opponents of such a deal argue that appeasement of the carpenters, in the face of its challenge to the CLC's constitutional authority, would merely invite other unions to buck the congress in other jurisdictions.

Why Jesus Taught in Parables

ILLUSTRATED SUNDAY SCHOOL LESSON

By Alfred J. Beeacher

Scripture—Mark 3:7—4:34.

"And (Christ) went up into the hills, and called to Him whom He desired; and they came to Him. And He appointed 12, to be with Him, and to be sent out to preach and have authority to cast out demons." — Mark 3:13-14.

Jesus began to teach again beside the Sea of Galilee. Such a large crowd was gathered about Him that "He got into a boat and sat in it on the sea; and the whole crowd was beside the sea on the land. . . a great multitude of people.—Mark 4:1-2.

Most of His teaching to the crowds was done in parables, that they might remember and understand. In one parable a sower planted seed in four kinds of soil—the pathway, thin soil, weedy land and good soil. — Mark 4:3-8.

Later He explained to His disciples that the Word of God would fall on all kinds of people, some too shallow, some too busy with material things; only in good soil would it bear fruit. —Mark 4:10-20.

MEMORY VERSE: — "If any man has ears to hear, let him hear" — Mark 4:23

SYMBOLS USED IN TEACHING

Parables Underlined Truths

(Editor's note: The following material relating to tomorrow's Sunday School lesson with scriptural references to Mark 3:7 —4:34, is based on copyrighted outlines produced by the Division of Christian Education, National Council of Churches in the U. S. and is used by permission.)

By N. SPEER JONES

We might well open this lesson with a discussion of the meaning of the word "parable." It comes from the Greek noun, bole, which means a placing beside or comparison. Jesus' parables were designed to compare something unknown and not understood with something very familiar and easily comprehended.

A parable differs from a fable in that the events of a parable are very reasonable and could be expected to occur in everyday life, whereas those of a fable are literally "fabulous" in nature — highly unlikely or impossible. The word "fable" comes from the Latin fabula, which means narrative.

The parables were designed to stick in men's minds in a way that abstract truths are not likely to stick. Even the most uneducated man is likely to remember a well-told tale of commonplace events with which he is familiar. The hope is that he will reflect on such a parable that it will stimulate his thought and that eventually the greater moral truths it illustrates can penetrate his mind and heart.

Misinterpretations of certain passages in today's lesson have led some people to think that Christ used parables to disguise the truth so that ordinary men should not understand it, reserving His teachings for His disciples alone. One of the most difficult of these passages occurs in Mark 4:12—that Christ taught in parables "for those outside". . . "lest they should turn again, and be forgiven." This may mean, as G. Campbell Morgan explains ("Peloubet's Select Notes" for 1963, p. 30), that it was the attitude of men who had shut their eyes lest they be forgiven that forced Christ to speak in parables.

Furthermore, Christ could not afford to make His message so simple that a man might understand it only superficially and think himself forgiven his sins, without undergoing the change of heart prerequisite to a true understanding and forgiveness.

Other scholars have also pointed out the dangers from civic and other religious authorities which forced Christians to use symbols (like the fish) in their art and writings. The same motivation may have inspired Jesus to speak in parables—using the language of Galilee, with the parables which illustrate the importance of this teaching.

The major parable involved is the famous one of the sower, sowing seed on four kinds of soil— on the pathway, the thin soil, the weed-filled field and the "good" soil.

The thin soil is confusingly described as "rocky ground"; what it really means is large expanses of rock thinly covered with soil — a type of land which can still be seen today in the hills around the sea of Galilee. Seeds deposited there sprouted rapidly from their proximity to the sun's heat, but it prevented a deep root system to keep the plant over during droughts and other difficult growing weather.

Later He explained to His disciples that the Word of God would fall on all kinds of people, some too shallow, some too busy with material things; only in good soil would it bear fruit. —Mark 4:10-20.

The Bible House

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170 Kent St. Charlottetown

Improved Confidence Noted In Canadian Economy Scene

By GREG MacDONALD
Canadian ress Staff Writer

The Canadian economy may show only modest gains in 1963 but it enters the year with a stronger underlying growth and in an atmosphere of improved confidence, says the investment dealer firm of Greenshields Inc.

The company says that 1962 saw a marked expansion in business activity from the 1961 level and the cyclical upswing, reinforced by exchange devaluation, evidently helped the economy to absorb repeated external shocks, ranging from the stock market break to the foreign exchange crisis.

However, adds the company, it appears unlikely that the "purely cyclical forces will make a positive contribution to the level of economic activity in the early part of the year."

Developments in the third quarter of 1962, when final demand for goods and services held steady and while non-farm inventories were being accumulated at a seasonably adjusted rate of $716,000,000, suggest that a levelling off in business may have occurred in the final quarter "as foreshadowed by the performance of sensitive economic indicators earlier in the year."

"It is worth noting in this connection that the 1961-1962 expansion has generated little, if any, excesses in the economy and that the subsequent correction should be mild and short-lived."

CUSHIONING EFFECT

"Furthermore, the favorable trend in the external sector will undoubtedly have a cushioning effect on domestic production and employment. Complete removal of the temporary import tariff surcharges, which so far seem to have played a useful role in accelerating the import displacement process initiated by exchange devaluation, should not materially affect this trend."

More restrained public spending programs and the anticipated lower level of consumer durable purchases will result in comparatively small increases in government and personal expenditures on goods and services this year.

The most encouraging prospects, Greenshields suggests, are to be found in the business sector, where preliminary surveys indicate a year-over-year gain of some five per cent in plants and equipment outlay.

Capital spending programs in the utility and manufacturing sectors appear to be the main sources of strength.

"It is reasonable to assume that, for 1963 as a whole, GN will record a gain of about three per cent and at the same time, the country's balance of payment position should show continuing improvement.

"The extent of this improvement will depend to a significant degree on external factors, that is, business conditions abroad and foreign investors' confidence in Canada's future. Current trends suggest these will remain reasonably favorable, permitting Canada to pursue moderately expansion policies."

Minuteman Is Tested

CAPE CANAVERAL, Fla. (AP)—An advanced Minuteman missile blasted out of an underground silo here and sped more than 4,000 miles on a successful test flight.

The success, announced by the air force, was the first for the Interim Wing 2 model of the three-stage, pushbutton missile.

Two earlier Interim Wing 2 rockets exploded during first stage flight last summer and the series was pulled off the firing line for thorough study.

The interim vehicle served as a testbed for techniques used in the Minuteman Wing 2 missile. The refinements include new first-and second-stage motors with improved nozzles and lighter weight materials.

Once operational, Wing 2 missiles will be placed in protected underground silos at the second Minuteman wing at Ellsworth Air Force Base, S.D. The first wing is at Malmstrom Air Force Base, Mont.

DO YOU NEED DIRECTIONS?

Public libraries today are filled with "how to do it" books. From them we may learn to do almost anything from baking a cake to building a house, from managing a home to conducting a business. But by far the most important are the books which show us how to build our lives.

The greatest among these is the Bible, a book which has withstood the test of centuries. Within it are God's directions for abundant living. But it is not easy to put these directions into practice. We need help.

We turn to the Church. In the Church we find inspiration through the companionship of others who with us strive for a better life. There, in prayer and worship, we know the blessings of God, the Father. We learn to follow the example of the Christ, and feel the power of His Spirit who alone enables us to live the abundant life.

THE CHURCH FOR ALL • ALL FOR THE CHURCH

The Church is the greatest factor on earth for the building of character and good citizenship. It is a storehouse of spiritual values. Without a strong Church, neither democracy nor civilization can survive. There are four sound reasons why every person should attend services regularly and support the Church. They are: (1) For his own sake. (2) For his children's sake. (3) For the sake of his country and nation. (4) For the sake of the Church itself, which needs his moral and material support. Plan to go to church regularly and read your Bible daily.

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Psalms 25:8-15	Isaiah 58:7-11	Romans 15:1-6	I Corinthians 3:1-9	I Corinthians 3:10-17	I Thessalonians 3:6-13	John 16:15-15

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ATTEND THE CHURCH OF YOUR CHOICE THIS SUNDAY

First Baptist Church

Corner of Prince and Fitzroy Streets
Rev. Carl V. Farmer, Minister (Interim)
Mrs. V. L. Dingwell, Organist and Choir Director

9:45—Sunday School
11:00 a.m.—"GIVE US BREAD"
Children's Anthem: "Loving Shepherd (Markam Lee)
Duet: "A Heart Like Thine" Linda and Lorraine Archer
7:00 p.m.—"FORGIVE—AS WE FORGIVE"
Anthem: "No Shadows Yonder" (Gaul)
Duet: Mrs. Douglas McKenney and Mrs. Douglas Cameron.

Charlottetown Bible Chapel

235 Cumberland St at Longworth Ave.

SERVICES: 11 a.m. and 7:30 p.m.
SPEAKER: JAMES A. STAHR, B.Sc., Th.M.
Wednesday 8 P.M. N. B. B. I. Gospel Team

St. Paul's Anglican Church

Established 1769 by Royal Foundation
The Rev. F. Louis Elias, Rector
Organist and Choir Director:
George A. Thompson, F.R.C.O., (CHM) A.R.C.M.
Third Sunday after the Epiphany

8:30 a.m.—Holy Communion
9:45 Sunday School, Junior, Senior and Bible Classes.
11:00 Sunday School, Primary and Beginners classes.
11:00 a.m.—Morning Prayer and Sermon.
Subject: THOSE WHO SAY "I'M SAVED" AND LOVE NOT THEIR NEIGHBORS ARE FALSE BELIEVERS.
Anthem: Hills of the North, Rejoice, —Martin Shaw.
6:30 p.m.—Hymn Sing
7:00 p.m.—Evening Prayer and Sermon
Subject: WHAT DO YOU MEAN BY THIS?
Anthem: O Jesus I have promised (Hymn 572)
Find yourself through Faith—Come to Church this Sunday.
Church Going Families are Happier Families.

The Kirk of S. James

The Reverend T. H. B. Somers, M.A., S.T.M., Minister
Organist and Director of the Choirs
Christopher Gledhill, M.A., B.Mus.

9:45 a.m.—Church School—(Return of Bible Society Dime Cards)
11:00 am.—Churchtime Nursery
11:00 a.m.—MORNING WORSHIP AND SERMON:
"WHY SHOULD I READ THE BIBLE?"
Anthem: "O Thou, the central Orb"
—Charles Wood
7:00 p.m.—EVENING WORSHIP AND SEMINAR:
"TALL, BONY, AND BAKED IN THE SUN"
8:00 p.m.—Young People's Society.
"O come, let us sing unto the Lord: let us make a joyful noise to the rock of our salvation"

The Salvation Army

"Home of Evangelism Since 1865"
Great George Street

55 Villa Avenue Capt. and Mrs. R. Walker

9:30 a.m.—Director Class 11:00 a.m.—Holiness Meeting
10:00 a.m.—Sunday School 2:00 p.m.—Y.P.M.
7:00 p.m.—Evangelistic Meeting
Thursday 8:00 p.m.—Prayer Meeting.
"A WELCOME AWAITS YOU AT THE ARMY"

CALVARY TEMPLE

Pentecostal Assemblies of Canada
Upper Prince Street
Rev. C. K. Benn, Pastor

9:15 a.m.—Fellowship Hour, Summerside Radio
10:00 a.m.—Sunday School Session
11:00 a.m.—Believer's Worship Service
7:30 p.m.—Evangelistic Rally, an old fashioned service you will enjoy.
ATTEND CHARLOTTETOWN'S REVIVAL CENTER

St. Peter's Cathedral

Anglican Church of Canada
Rochford Square
The Venerable J. R. Davies, M.A., Rector
The Reverend Canon E. M. Malone, M.A., D.D.
Honorary Assistant Priest
Miss Suzanne Brenton, Lic. Mus., Organist
Mrs. B. W. Patterson, Choir Director
Jan. 27—The Third Sunday after Epiphany
Theological Education Sunday

8 a.m.—Holy Eucharist
8:45 a.m.—Mattins
9:45 a.m.—Sunday School (11 a.m. Infants)
11:00 a.m.—Choral Eucharist and Sermon.
Preacher: The Rev. Canon T. E. Loder
7:00 p.m.—Evensong and Sermon
Visitors are most welcome at all services.

PARK ROYAL UNITED CHURCH

Christie Drive, Parkdale
Rev. J. H. Tye, B.A., B.D., Minister
Mr. Leslie Hiscott,
Organist and Director of Senior Choir
Mrs. Stanley Newman
Director of Junior and Intermediate Choirs

9:45 a.m.—Senior Church School
11:00 a.m.—Nursery and Kindergarten Classes
11:00 a.m.—MORNING WORSHIP
Sermon: THE ANCHOR OF FAITH
Anthem: Holy is the Lord; Schubert
11:15 p.m.—Primary Church Classes.
7:00 p.m.—EVENING WORSHIP
Sermon: "I AM NO LONGER AFRAID"
Anthem: Sing With All the Songs of Glory
Music by Intermediate Choir.
You Are Welcome To Worship With Us

TRINITY UNITED CHURCH

Charlottetown, P. E. I.
Ministers:
Rev. J. G. E. Ball, B.A
Rev. Gerald G. Wyrwas, B.A., B.D.
Rev. Clayton C. Lewis
Organist and Director of Choirs:
Mr. Royston F. Mugford, A.R.C.O

9:45 & 11:00 a.m.—CHURCH SCHOOL
11:00 a.m.—"ACCEPTING OUR RESPONSIBILITIES"
(Rev. G. G. Wyrwas)
Anthem: "The King's Highway"
(David McK. William)
Soloist: Mrs. Cyril Wheatley
7:00 p.m.—YOUTH SERVICE
Sermon: "A BOY WHO LEFT HOME"
(Rev. J. G. E. Ball)
Junior Girls' Choir
"A WELCOME AWAITS YOU AT TRINITY AND SPRING PARK"

SPRING PARK UNITED CHURCH
(Cor. Kirkwood Drive and Dunkirk Street)
9:30 and 11:00 a.m.—CHURCH SCHOOL
11:00 a.m.—"LOST TO BE FOUND" (Rev. C. C. Lewis)
Choir: "Sweet Peace The Gift of God's Love"
Organist: Mrs. Frank Deacon
Choir Director: Mr. William Ball

Zion Presbyterian Church

Corner Prince and Grafton Streets
The Rev. Donald A. Campbell, B.A., Minister
Organist and Choir Director
Miss Madelyn Wadden, L.Mus., B.Mus.

9:45 a.m.—Sunday School—Classes for all ages.
10:00 a.m.—Bible Class. 11:00 a.m.—Nursery School
11:00 am—DIVINE WORSHIP
Sermon: HOW TO INCREASE OUR FAITH
Anthem: Jesus Thou Joy Of Loving Hearts
—Hugh S. Robertson
7:00 p.m.—DIVINE WORSHIP
YOUTH WEEK SERVICE
Sermon: THE CHALLENGE OF CHRIST
Anthem: Evening Prayer—Stebbins
Members of the P.Y.P.S. will take part in the Evening Service.
VISITORS ARE ALWAYS WELCOME

Central Christian Church

219 Kent Street Charlottetown, P.E.I.
MORNING
10:00 a.m.—Bible School for every member of the family.
11:00 a.m.—Morning Worship Service
Sermon Topic: "NAME ABOVE ALL OTHERS" Phil. 2:9.
EVENING
7:00 p.m.—Evening Worship Service
Sermon Topic: "WHY WE BELIEVE"
Duet: Mr. Eric MacGregor & Mr. Preston Beck
Minister—Mr. William O. Weale
Organist—Mrs. W. A. MacRae, A.R.C.M.
YOU ARE WELCOME TO ATTEND THESE SERVICES