

Ninth General Assembly of the International Astronomical Union

Dublin 1955

Paper read to Halifax Centre of the R.A.S.C. Sept 27, 1955

another paper: University Faculty Club: (at Cambridge Military  
Library: Nov 19, 1955.

~~1957~~ M.W. B-G:

Addresses, Lectures, Talks:  
1955-1957

Astronomy, Advances in: 1956 Dec 31  
Columbus, Christopher: 1957 Oct 12  
Einstein and Astronomy 1955 Oct 24  
Intellectual Life, Canadian Catholics and: 1957 Nov 10  
International Astr. Union: 1955 Sept 27  
Internat. Geophysical Year : 1957 Oct 10  
International Union of Geodesy and Geophysics: 1957 Oct 29  
Interstellar Matter: 1956 March 27  
Kearney, John D. 1957 May 21  
Mathematics, University Entrance: 1957 Nov 9  
Nova Scotia Tech. Coll. Convoc Address: 1955 May 12  
Radio Astronomy: 1957 Feb 4 *See file "Radio astronomy"*  
~~Ring Around the Moon May 19 1957~~  
Satellites: 1957 Nov 4  
                  1957 Nov 6  
Satellites, Science and: 1957 Dec 11  
Science and Religion: 1956 Feb 29  
Science and the Satellites: 1957 Dec 11  
Sputnik<sup>1</sup>: 1957 Nov 4  
Sputnik II 1957 Nov 6  
Universe Structure of: 1956 Apr 30

Graduate Society (Dalhousie Univ.)

Feb 29, 1956

SCIENCE and RELIGION: ~~IN MODERN THOUGHT~~ Is There a Common Ground. ?

Panel Discussion: Prof. Lederman in Chair

Newmaon Club: March 11, 1956

1956 March 27

INTERSTELLAR MATTER

for

R.A.S.C

Halifax Centre: March 27, 1956

The Eleventh Assembly of the  
International Union of Geodesy and Geophysics  
Toronto 1957

(Paper read to R.A.S.C Halifax Centre  
October 29 1957)

For Kiwanis Club of Halifax: Nova Scotian Hotel: Nov 4, 1957.

THE RUSSIAN SPUTNIKS and American Satellite Program.

"Sees no danger of Atomic War" (Heading to report in Halifax  
Mail-Star, Nov 5, 1957)

Interviewed by Mail-Star Nov 5, 1957: "Expect Moon Photography before  
Lunar Landing Attempted" (Heading in M-S, Nove 6, 1957)

Lions Club: N.S. Hotel Nov 6, 1957

NEWS



FOR RELEASE  
IMMEDIATELY

Information Section

Tel. Area 613: 994-9278 or 994-5673

"Russians Ahead, But U.S. Space Satellites Better" (Heading in H'ix  
Chron-Her. Nov 7, 1957)

FEDERAL OCEANOGRAPHERS DETECT UNUSUAL STRUCTURE

OFF NOVA SCOTIA COAST

OTTAWA - Federal scientists aboard the Canadian scientific ship HUDSON, have detected an unusually large negative gravity anomaly, indicating an unusual structure, in the continental shelf off Cape Breton Island on Canada's east coast.

The whole shelf area south of Nova Scotia and Newfoundland has been receiving increasing attention from the oil industry. Already a number of companies hold leases on some 50 million acres of the floor of the shelf in this region.

The scientists looked up the anomaly on the HUDSON's extremely sensitive gravimeter during a run earlier this month from the HUDSON's base at the Bedford Institute of Oceanography at Dartmouth, N.S., to Charlottetown. The trend of the anomaly is east-west, and it was first detected in position 45° 34' N, 60° W, about 18 miles due east from Fourchu on Cape Breton Island.

- more -

Nov 10, 1957:

8.30 AM: Holy Name: St Thos.Aq.

2.30 PM: K.of C. (H'ix)



Mathematics, University Entrance

N.S.T.U: Math Seminar : 1957 Nov 9

"What the Universities Want"



1957

Nov.16: University Faculty Club. (Camb.Mil. Libr.)

Nov 18: 1 PM: Gyro Club.

Nov 18: 6.30 PM: Kiwanis of Halifax

Nov 20: 7.30 PM: RCAF.

**Nov 25: 1957: The Assoc. of Prov. Land Surveyors of N.S.:**  
**Lord Nelson Hotel: 7 P.M.**

The HUBSON is the new \$1 million oceanographic research vessel recently commissioned by the Honorable Wm M. Beaudry, Minister of Mines and Technical Surveys. One of the most modern research vessels afloat, it is attached to the fleet at the Department's Bedford Institute of Oceanography. Following completion of its sea trials, it has been working off the Atlantic Coast.

The maximum anomaly was recorded on two parallel tracks, 10 miles apart, and had approximately the same intensity on both tracks. The shipborne gravimeter, which showed the anomaly on its continuous record of the value of the earth's gravitational field, has an accuracy of three to five parts per million of the normal gravity. The Department acquired the instrument at a cost of \$89,000 only two months ago. The only other instrument of its kind on this continent is at the Lamont Geological Observatory of Columbia University, Palisades, N. Y.

The shipborne magnetometer readings over the gravity anomaly

**Nov 27: 1957: R.A.S.C Halifax Centre**

showed a completely smooth curve. The anomaly is a granitic intrusion or an accumulation of sediments. It

**Dec 2 1947: Mount St. Vincent College**

has not been possible so far to connect the anomaly with any known geological structure on nearby Cape Breton Island.

Dec 3, 1957: Halifax Rotary Club

"Predicts 13 Satellites in Orbit within Year" (H'fx Chron-Her, Dec 4, 1957)

Dec 8: Holy Name, Lakeside.

Dec 11, 1957: Maritime Personnel Assoc. N.S. Hotel

SCIENCE AND THE SATELLITES

According to Dr. W. N. ... Director of the ...

of Oceanography, the HUDSON will delineate and study the ... at the ...

start of its forthcoming three-months' study cruise of the International ...

Through the summer channel of the St. Lawrence River in Good Strait, the ...

main body of the Gulf of St. Lawrence, the Strait of Belle Isle and the ...

continental shelf off the north coast of Newfoundland.

The detailed examination will comprise gravity, magnetic and ...

scientific studies by departmental geophysicists under Dr. Boese Lamoreaux,

Chief of Marine Geophysics at the Institute, Dr. L. W. Mosley, Chief of

Geophysics, Geological Survey of Canada, and scientists from the Institute

of Oceanography at Dalhousie University in Halifax. The HUDSON will be

assisted in the scientific studies by the chartered ship, THETA, which will

fire the explosive charges.

Dr. English reports that the demand by oil companies for information

on depths, the sea floor, tidal currents and on ice from the shelf of the

British Institute of Oceanography has increased considerably in recent

months. The progress made in ocean drilling during the past few years

in coastal areas of the United States, he said, has assisted in promoting

Dec 13: Naval Res. Estb., Officer's Club.

1958; Jan 17: Fri.

~~1958 JAN 18 1958~~: Amateur Radio Club:

Vocational School 8. PM

*Radio Astronomy*

1958 Jan. 17

# Radio astronomy

(for Amateur Radio Club)

(Scheduled for RCAP, Anderson Sq; Transferred to Vocational School)

30 AB W 19.5 S = 0.28  
30 AB W 15.2 S = 0.12

3235  
1880  
1784

3230  
1881  
1782

3228  
1870  
1775

32  
18  
17

3222  
1874  
1773

3210  
1860  
1765

31  
17  
16

3215  
1855  
1760

3200  
1840  
1750

30  
16  
15

30 AB

30 AB

yo

yo

Amateur

1958 Jan 28

ASTRONOMICAL

High Lights 1957

(Jan 28, 1958:

R.A.S.G.,

Halifax Centre)

1957: Satellites  
Oct-Dec.



1958: Feb 12 Wed. Prince Arthur School

1958 Feb 17: Amherst-Moncton Branch of E.I.C. *Sputniks (= "Satellites")*

1958 Feb 18: Tues 1.30 PM: STADACONA

1958 March 2: Sunday: 9.45 AM

Aquinas Social Club

1958 (1958) 134

10. In connection with the ...

1958 (1958) 30

18. ...

1958 (1958) 134

...

11. ...

...

...

...

12. ...

...

1958 March 9: Sunday: 9.00 AM.

Holy Name (St. Lawrence Parish)

1958 March 19 Wed. 8.30 PM: School for Blind.

M.W.B-G: Addresses, Lectures, Talks: 1958-1959

Astronomy, Advances in: 1958 Jan 28

Autumn: 1959 Oct 21

Lunik I: 1959 Jan 7

Lunik II 1959 Sept 13

National Aeronautics and Space Administration (NASA) 1959 Apr 8

Nova Scotia Tech.Coll. Bened & Invoc. 1959 Aug 12

Radio Astronomy: 1958 Jan 17 : *See file: "Radio Astronomy"*

Ring Around the Moon: 1959 May 19

Rockets, Lunar: 1959 Oct 16

Rockets and Missiles: 1959 Jan 28

Rockets and Satellites: 1959 May 20

Roy Astr.Soc.of Can. Meeting: 1959 Mar 25

Satellites ~~1957 Nov 4~~

~~1957 Nov 6~~

1958 Jan 20, Jan 22, Feb 17

*Jan 13 (Kansanen) : 1959 Feb 2*

Science: A Sacred Cow ? 1959 July 3

Space Travel: 1958 Jan 23

~~Sputniks I and II 1957 Nov 4~~

~~Sputnik II: 1957 Nov 6~~

*Travel, Space: 1958 Jan 23*

1950 Feb 15: Sun:  
Newman Club.

FOOTBALL BOARD  
MEDICAL SOCIETY

1959 Oct 21 Wed.: 8 PM: CBH TV: Joan Marshall

FALL



CEA: Oct 5, 1959: WHY GO TO THE MOON ? N.S. Hodel





M.W. - B-G:

Addresses, Lectures, Talks:

1955-1963

*Alumni of SMU: 1963 Dec 8*

Astronomy, Advances in: 1956 Dec 31 ✓  
1958 Jan 28 ✓  
1961 Jan 29 ✓

Astronomy and Atmosphere of Earth: 1961 March 22 ✓  
Astronomy: A Liberal Art: 1958 Oct 3

*1962 Jan 26: 1962 May 25  
Astron, Amateurs 1963  
May 21*

Astronomy, Revolution in 1962 Jan 26 ✓

Astronomy, Space age and: 1962 May 25 ✓

Atmosphere of Earth and Astronomy: 1961 March 22 ✓

Autumn: 1959 Oct 21 ✓

✓ Bible and Universe: 1963 Dec 8 ✓

Canadian Math Cong.: 1961 June 13 ✓

Columbus, Christophere: 1957 Oct 12 ✓

Comets: 1960 Apr 27 ✓  
1962 Apr 14 ✓  
1962 Nov 15 ✓

Communication Satellites: 1960 Dec 1 ✓

Earthquakes: 1960 March 10 ✓

Echo I: 1960 Sept 28 ✓

✓ Eclipse, Lunar 1960 Feb 24 ✓  
✓ Eclipse, Lunar 1963 Dec 31 ✓

✓ Eclipse, Solar: 1963 Nov 27 ✓

Einstein and Astronomy: 1955 Oct 24 ✓

*Exploration of the Universe 1962 Sept 20*

Galaxy, Our, Dynamics of: 1962 Feb 28 ✓

Georgetown University: 1961 May 15 ✓

✓ *Humanities and Science 1963 Feb 10*  
~~Glory of God, Heavens Dec 10~~

Intellectual Life, Canadian Catholics and: 1957 Nov 10 ✓

International Astron. Union: 1955 Sept 27 ✓

International Geophysical Year: 1957 Oct 10 ✓

International Union of Geodesy and Geophysics 1957 Oct 29 ✓

M.W. B-G:

Addresses, Lectures, Talks:

1955-1963 (contd.)

Interplanetary Travel: 1961 March 13 : 1963 *Jul 25*

Interstellar Matter: 1956 March 27 ✓

Ireland: 1960 March 17 ✓

Ireland and the Patrician Year: 1961 March 17 ✓

Jeffery, Ralph L. 1962 May 14 ✓

Kearney, John D. 1957 May 21 ✓

Leddy, John F. 1960 May 16 ✓

Life on Other Planets: 1960 Feb 14 ✓

1960 May 18 (Wed) ✓

1961 May 18 (Thurs) ✓

*Lunar Eclipse 1960 Jul 24: 1963 Dec 31*

Lunik I: 1959 Jan 7 ✓

*Life on Mars 1961 March 2  
" " Moon 1960 Jan 4*

Lunik II 1959 Sept 13 ✓

*Martiner II 1962 Dec 27 see Venus, July on*

Mars: 1961 March 2 ✓

Mathematics, University Entrance: 1957 Nov 9 ✓

Milky Way, Motion in 1962 Feb 28 ✓

Moon, Eclipses of: 1960 Feb 24 ✓

Moon, Life on: 1960 Jan 14 ✓

Moon, Motions of: 1960 Jan 18 ✓

Moon, Travel to: 1960 Feb 1 : *1963 Apr 3* ✓

National Aeronautics and Space Admin. (NASA) 1959 Apr. 8 ✓

Navigation Satellite 1960 Apr 18 ✓

NGC 188:

Nova Scotia Tech. Coll.: Benediction and Invoc.: Bld A: *1959 Aug 12* ✓

Nova Scotia Tech Coll: Convoc Address: 1955 May 12 ✓

Poetry and Science: 1962 March 10 ✓

~~Quasi-Stellar Objects~~

*Quasars*

M.W.B-G:

Addresses, Lectures, Talks:

1955-1963 (contd)

Radio Astronomy: 1957 Feb 4 ✓  
1958 Jan 17 ✓

Ring Around the Moon: 1959 May 19 ✓

Rockets, Lunar: 1959 Oct 16 ✓

Roackets and Missiles: 1959 Jan 28 ✓

Rockets and Satellites: 1959 May 20 ✓

Roy.Astr.Soc of Can. Meeting 1959: 1959 May 25 ✓

Satellites: 1957 Nov 4 (Sputnik I)+II) ✓  
1957 Nov 6 (Sputnik II) ✓  
1958 Jan 20 ✓  
1958 Jan 22 ✓  
1958 Feb 17 ✓  
1962 Oct 24 ✓

*Saint Mary's Uavis, Alameda, 1963 Dec 9 ✓*

*Satellites, Communication 1960 Dec 1 ✓*

Satellites, Navigation: 1960 Apr 18 ✓

Satellites in Orbit: 1962, March 15, June 30, Oct 24, Nov 11, Nov 14 ✓

Satellites, Science and : 1957 Dec 11 ✓

✓ Science and Humanities 1963 Feb 10 ✓

Science and Poetry: 1962 March 10 ✓

Science and Religion: 1956 Feb 29 ✓

Science: A Sacred Cow ? 1959 July 3 ✓

Science and the Satellites *1957 Dec 11 ✓*

✓ Solar Eclipse: 1963 Nov 27 ✓

✓ Space Achievements: 1963 Jan 13 ✓

Space, Intergalatic, Interstellar, Interplanetary: 1962 Oct 22 ✓

Space Law: 1960 Jan 31 ✓

Space, Outer: *1961 March 29 ✓*

*Space Program 1963 Feb 25*  
Space, Theology and: 1962 March 9 ✓

Space Travel: 1958 Jan 23 ✓

*II*  
Sputnik I, 1957 Nov 4 ✓

Sputnik II Nov 6 1957 ✓

Stars, Mariners and 1961 April 27 ✓

M.W. B-G:

Addresses. Lectures, Talks:

~~1960 Nov 22~~ 1955-1963 (concl'd)

Stars, Universe of 1960 Nov 22 ✓

Theology and Space: 1962 March 9 ✓

Transit I B: 1960 Apr 18 ✓

Travel, Moon: 1960 Feb 1 ✓ 1963 Apr 3 ✓

Travel, Interplanetary: 1961 March 13 ✓ 1963 Feb 25 ✓

Travel, Space: 1958 Jan 23 ✓

~~universe, Bible at 1963 Dec 8~~

Universe, Structure of: 1956 Apr 30 ✓

Venus Probe (Mariner II) 1962 Feb 27 ✓

West Ford: 1961 Oct 24 ✓

*universe, Exploration of the  
1963 Sept 20 ✓*

Women Astronomers: 1962 Apr 14 ✓

~~and similar objects~~

WIND BOND  
REPRODUCTION  
PROHIBITED

1960 March 16: Wed. 3 PM

Cornwallis School

1960 April 27 : Wed.

R.A.S.C.

COMETS

1960 Sept 28:

R.A.S.C

ECHO I

Echo I launched by NASA 1960 Aug 12: the first  
communication satellite: it is a passive satellite, off  
which, high frequency signals can be bounced.



1960 November 29: Tues:

Dalhousie Chapter of Kappa PHI (?)

1960 Dec 1: Thurs: 7.30 PM  
Thos. Aq.

Montreal, March 1958  
3011 Peel St

Dear Sir,

An Organizing Committee has been set up in Montreal to establish in Canada a "Canadian Astronautical Society" on the line of those already existing in 25 countries of the world. There are actually in Canada a large number of persons who, either professionally or by inclination or more casually, are interested in astronautics. However, no satisfactory contacts have been established between these various citizens and no specific machinery for an exchange of views on the new developments in the field of astronautics has so far been made available to them. Moreover Canadian scientists have not been directly represented nor have they participated in the important congresses held each year since 1950 in different countries by the International Astronautical Federation. The whole problem of astronautics and space penetration is of such importance that Canadians should not fail to be represented in the Federation.

Articles of association for a Canadian Astronautical Society to be affiliated to the above-mentioned Federation, are being drawn up. The membership of the Society will be open to all interested persons in Canada and elsewhere. A general meeting will be convened at the end of March when Mr. Andrew Haley, President of the International Astronautical Federation, will address the meeting.

Meanwhile, the Organizing Committee would greatly appreciate knowing in advance whether or not you are interested in joining the Society, and being informed also of your comments. Please complete the form herewith attached for that purpose.

A notice of the meeting together with a copy of the articles of association will be sent in good time to all those who are interested.

Branches of the Society may of course be formed in given geographical areas as circumstance requires.

For the Organizing Committee,

Dr. E. Pénin  
Director, Institute of International Air Law

M.W. B-G:

Addresses, Lectures, Talks : 1960-1961

~~X1958-1959~~

1945-1960:

Astronomy, Advances in: 1961 Jan 29  
Astronomy, Atmosphere of Earth and: 1961 March 22  
Atmosphere of Earth, Astronomy and: 1961 March 22  
Canadian Math Cong: 1961 June 13  
Comets April 27 1960  
Communications Satellites: 1960 Dec 1  
Earth Quakes 1960 March 10 + March 16  
Echo I Sept 28 1960  
Eclipse, Lunar 1960 Feb 24  
Georgetown Univ. 1961 May 15  
Interplanetary Travel: 1961 March 13  
Ireland: 1960 March 17  
Ireland and the Patrician Year March 17 1961  
Leddy John F 1960 May 16  
Life on Other Planets, 1960 Feb 14  
1960 May 18 Wed } See "Talks: Mars"  
1961 May 18 Thurs }  
Life on Mars: 1961 March 2 } see "Talks: Mars"  
Mars: 1961 March 2 } life on Moon 1960 Jan 14  
Moon, Eclipse of 1960 Feb 24  
Moon, Life on 1960 Jan 14  
Moon, Motions of 1960 Jan 18  
Moon, Travel to: 1960 Feb 1  
Navigation Satellite: 1960 April 18  
Satellites, Artificial Earth: 1960 Jan 1  
Satellites, Communication: 1960 Dec 1  
Satellites, Navigation: 1960 Apr 18  
Space Law: 1960 Jan 31  
Space, Outer: 1961 March 29  
Stars, Mariners and: 1961 April 27  
Stars, Universe of : 1960 Nov 22  
Telemetry: 1961 March 13  
Transit I B: 1960 April 18  
Travel, Moon: 1960 Feb 1  
Travel, Interplanetary: 1958 Jan 23 } Universe of Stars 1960 Nov 22  
West Ford Project: 1961 Oct 24

1961 Jan 29: CBH RADIO

ASTRONOMY SINCE 1945

1945-56: See 1956 Dec 31

1957: See 1958 Jan 28

1958-59: Moon Probes.

1961 March 17 Friday: CBH TV:

IRELAND AND THE PATRICIAN YEAR

1961 Oct 24:

CHNS:

PROJECT WEST FORD

M.W.B-G:

Addresses, Lectures, Talks:

1962

Astronomy, Advances in: 1962 Jan 26 =  
1962 May 25 =

*Astronomy, Revolution in  
" " " Space age d*

Comets: 1962 Apr 27  
1962 Nov 15

~~Communication Satellites: 1962 Dec 1~~  
Galaxy, Our, Dynamics of: 1962 Feb 28

Jeffery, Talph L. 1962 May 14  
Mariner II: 1962 Dec ~~28~~ 27  
Milky Way, Motions in: 1962 Feb 28

Poetry and Science: 1962 March 10

Satellites 1962 Oct 24

~~Satellites, Communication: 1962 Dec 1~~

Satellites in Orbit: 1962 March 15, June 30, Oct 24, Nov 11, Nov 14.

Science and Poetry 1962 March 10

Space, Intergalactic, Interstellar and Interplanetary: 1962 Oct 22

Spacw, Theology and: 1962 March 9

Theology and Space: 1962 March 9

Venus Probe: Mariner II: 1962 Dec 27 **27**

Women Astronomers: 1962 April 14

May 31, 1963

Miss Northcott

Mr + Mrs Connelly

Dr Adams

+

lunched Europa Restaurant

6.15 P.M. June 19<sup>th</sup> 1962

Andrew

M

for

Aut

*[Handwritten signature]*

1963: May or June: taped "Astronomy for

the Amateurs"

broadcast on CBC Network on morning of July 13.

*[Faint mirrored text from reverse side of page]*

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ΕΝΚΥΚΛΟΠΑΕΔΙΑ ΒΡΙΤΑΝΝΙΚΑ  
OF CANADA LTD.



1963 Sept 20: 6:30 PM on CJCH TV (channel 5)

"Exploring the Universe"

1963 Sept 25: 2:15 PM on CJCH TV (channel 5)

with Miss Northcott: "Women in astronomy"

1963: Oct 18: 8:45 AM: Grade VIII, St Agnes School

1963: Nov 27: The Solar Eclipse at Meaganville

CITY

SCHOOL ADDRESS

SCHOOL

ORDERED BY

ORDER FORM  
SCHOOL

M.W.B-G:

Addresses, Lectures, Talks:  
1964

Apollo Project: 1964 March 8

*Astronomy in the Space Age 1965 May 2*

Astronomical Objects, A New Class of: 1964 Apr 30

*Belief, No Great 1965 April, pp 7-9*

Boy Scouts' Stars: 1964 Jan 20

*Comsat 1964 Dec 14*

Crab Nebula: 1964 July 4

*Golden Rule 1965 April pp 2-*

Girl Guide Stars: 1964 Jan 20

Glory of God, Heavens Declare: 1964 Apr 26

*Liberty + Justice 1965 April pp 1-2*

Gravitational Collapses: May 1, 1964

Heavens Declare the Glory of God: 1964 Apr 26

Ireland: 1964 March 16 : *1964 Nov 17*

*Moon, March 12 1965*

*Moon, Surface 1965 March 29*

Neutron Stars: 1964 June 1

NGC: 188 : *Penicillin etc 1965 April pp 11-*

*Prayer etc 1965 April pp 9-11-13*

Quasars: 1964 April 30 *See Special File Satellites : 1964 Nov 7*

Stars, Boy Scouts': 1964 Jan 20

*1964 Dec 14*

Stars, Girl Guides: 1960 Jan 20

*1965 Feb 7*

*quasars* ( 3 C 48 and similar objects): 1964 March 25  
1964 April 30

*Space Age, Astronomy in 1965 Nov 2*  
*See special file: "quasars"*

*Universe of Galaxies: 1965 May 14*

*Universe, Our Oscillating 1965 Nov 22*

Addresses, Lectures, Talks  
1965

Satellites of 1964, Some Bethany United Church Feb 3  
Moon in the Sky: H'f Science Teacher's Inst. March 12  
Moon, The Surface of: Open House SMU March 24

Teaching for Tall Souls: Xi Epsilon Chapter April 1  
(i) Liberty and Justice  
(ii) Golden Rule  
(III) The Great Beliefs  
(iv) Pfayer Praise and Meditation  
(v) Goals for Tall Souls  
(vi) My Soul : How Tall ?

Universe of Ga;axies: St Patricks School: 1965 May 14

Astronomy in the Space Age: Alpha Omeg Alpha: Nov 2, 1965

Oscillating Universe, Our: /1965 Nov 22: SMU Engineering Soci

*Astronomy and Space Exploration 1965 Dec 10: East Hants  
Rural High School*

TALKS etc. 1966

Amateur Astronomer, The: RASC, Halifax Jan 26 1966

Moon Surface: Conv. of SH: March 1st

Sterilization of Spacecraft bound for Moon or Planets: March 11

"Recent News from Outer Space" SMU SCI SOC. March 12  
Mariner II, Mariner IV Venus II, Venus III, Luna 9

"Exploration of the Moon and Planets: Lumb. Assoc. April 1

Heavens Declare the Glory of God. { March 27: Sydney NS  
*put in file "Universe"*

Time, Beginning of: 1966 Sept 17 : *File "Universe"*

Our Present Universe: Sept 18 : *File "Universe"*

Space Programs (Astronomy on the Moon) Oct 3: Kiwanis of Dartmouth



UNIVERSITY OF TORONTO PRESS

Telephone 966-0111, 966-0112

Täaks etc. 1967

Stonhenge 1967 March

DUBLIN: March 14: Rotary *Put in file: "Ireland: Irish"*

Ireland: March 16: Commercial Club *(Put in file: "Ireland: Irish")*

ASTRONOMY AND SPACE: April 11: U. Women's Club of Truro *In "Universe"*

The Honorable Henry Poole MacKeen May 8

(Father Arruppe's address to convocation): May 8

*UFO's: 1967 Oct 18 (interview with Chapman Her)*

Extra-Terrestrial Life: Haliburton Soc. Nov 28 *Put in file "Space: Mars"*

Hope: Dec 31: Conv. of SH.

Stonhenge 1967 March

M.W.B-G  
Addresses,  
Lectures,  
Talks, 1968

Moon ~~Program~~ Feb 26: Kiwanis of Halifax ~~Put in "Moon"~~

Moon Program, Postscript to: Feb 27<sup>x</sup> in "Space 1968"

Mars, Exploration of: Feb 28 Put in Space 1968

Media, The Messages of: Feb 29

Universe of Stars: March 18: Gyro Club of Halifax Put in file "Universe"

Universe of Stars, Postscript to: March 19 and 20 and 21<sup>†</sup>, 22, 23

Hope: April 21, K.of C.:

† Background Radiation March 19. put in file "Universe"

† Pulsar March 20 put in file "Pulsar"

x Lunar Surface Feb 27. in "Space 1968" Moon

**Icarus: March 12**

† Quasars March 21 put in "Quasars"

† Quasars, Seyfert Galaxies and Supernovae, March 22 put in "Quasars"

Information obsolete when published: 1968 Apr 12

† Steady-state theory untenable. March 23 put in "Universe"

Saturn V rocket Feb 27 in "Space 1968" Moon

~~Mars travel~~ Bio

Space Biology Feb 27 in "Space 1968" Moon.

Mr Angus L. McDonald May 6, 1968

Russian Space Research May 7, 1968 in "Space 1968"

Space travel in US. 1962-68 May 8, 1968 ~~Put in "Moon"~~

**Science and Technology in Canada: 1968 Oct**

**Canadian Very long Baseline Interferometer 1968 Nov 13: Dawson Creek**

MARS 1969 Apr 7 Karanis of H&S

Astronomers on Stamps 1969 Apr 17 (23): <sup>N.S.</sup> Halifax Stamp Assoc

Pulsars: 1969 May 20: Radio Club, Dartmouth Harbour Light "GRS"

Activities in Space: Money Discuss. Group. 1969 May 26.

A message from Outer Space: N.S.O.R. Nurses Study Group 1969 Oct 7

The Story of Astro: Y.M.C.A 1970 Jan 22

The Growth of Astro: Rotary (Inver) 1970 March 23

The development of astro: Satellite G.R.S. Radio Club  
1970 July 20