

MEMORANDUM

1605-71-1 (DACT 4)

Nov 79

Distribution List

CFAO 71-1
REPORTING ATMOSPHERIC PHENOMENA

1. The subject CFAO indicates the OPI is DOC, yet all Ministerial Inquiries and letters from the public for UFO information are being directed to DAOT.
2. The practice of contacting DAOT is probably a hold-over from conditions prior to the 5 Nov 76 amendment of CFAO 71-1 when DAOT was replaced by DOC as OPI.
3. The CFAO states that meteorite and UFO sightings shall be reported by priority message to NDOC Ottawa with an information copy to National Research Council (Para 8 and 11). DAOT is not mentioned or addressed; therefore, I can determine no logical reason why this Directorate should continue to be the correspondence action agency on UFOs. DOC and DIS are considered the appropriate points of contact and future information requests received by DAOT will be redirected.

ORIGINAL SIGNED BY

W. NIEMY

W. Niemy

Col

DAOT

2-5526

DISTRIBUTION LIST

DOC
DIS
SO/CADO
SO/DCDS

 D. Smith/Maj/DAOT 4-3/6-2912/hm

COPIES: Orig., Circ., File

235

PA

le 30 mars 1979

②

Monsieur:

J'accuse réception par la présente de votre lettre dans laquelle vous demandez des renseignements sur les OVNI; ladite lettre a été transmise à la Section de la planétologie du Conseil national de recherches (CNR). Le Conseil national de recherches est l'organisme gouvernemental chargé de la coordination et de la cueillette des renseignements relatifs à ces questions et vous recevrez une réponse sous peu.

Nous définissons un OVNI comme étant une manifestation visuelle inhabituelle que les gens ne peuvent identifier ou expliquer. Le ministère de la Défense nationale n'a aucune attribution directe à ce sujet, mais nous recevons chaque année des rapports à cet effet.

En 1978, par exemple, nous avons reçu en tout 150 rapports en provenance de divers endroits au Canada. Ces rapports ainsi que d'autres renseignements recueillis sont à la disposition du public au Conseil national de recherches.

Je vous remercie de votre lettre et vous souhaite bonne chance dans l'intérêt que vous manifestez envers les phénomènes spatiaux.

Veillez agréer, Monsieur, l'expression de mes sentiments les meilleurs.

ORIGINAL SIGNED BY
W. NIEMY
COL

Le colonel W. Niemy
Directeur - Instruction et opérations aériennes

cc: Dr. A.G. McNamara
Institut d'astrophysique Hersberg
Section de la planétologie
Conseil national de recherches du Canada
Chemin Montréal
Ottawa (Ontario)
K1A 0R6 (Pièce jointe)

D.C. Smith
D.C. Smith, Maj/DAOT 4-3/6-2912/1nd

COPIES FOR:

ORIG
~~ORIG~~
FILE

350

2000-4 (DAOT 4-3)

PA ↗

30 March, 1979

②

I have received your letter requesting UFO information and have sent it to the Planetary Sciences Section of the National Research Council (NRC). The National Research Council is the government agency responsible for coordinating and retaining information about such matters and you will receive a reply in the near future.

A UFO is defined as an unusual sighting which people are unable to identify or explain. Although the Department of National Defence has no direct responsibilities in these matters, this Headquarters does receive several reports each year.

In 1978 for example, we received a total of 150 reports from various places in Canada. These reports and other gathered information is available for public use at the National Research Council.

Thank you for your letter and I wish you success in your continued interest of space phenomena.

Yours truly,

ORIGINAL SIGNED BY
W. NIEMY
COL

W. Niemy
Colonel

Director Air Operations and Training

cc: Dr. A.G. McNamara
Herzberg Institute of Astrophysics
Planetary Sciences
National Research Council of Canada
Montreal Road
Ottawa, Ontario
K1A 0R6 (w/enclosure)

D.C. Smith
D.C. Smith, Maj/DAOT 4-3/6-2912/1nd

COPIES FOR:

ORIG
~~CIRC~~
FILE

351

NDRMS/SQDDN 3-22

Referred to
Transmis à DAOT

22 1979

File No
Boxier No 2000-4

Chargé (e) / Chargé (e)

Le 2^e février 1979

Ministère de la défense nationale
Ottawa

Monsieur,

Je suis un élève de secondaire 1 et je
m'intéresse à votre travail.

J'aimerais avoir des renseignements sur les avions.

Veuillez accepter, Monsieur, l'expression de mes
sentiments respectueux.

0353

②

NDRMS/SQDDN 3-3-2
Referred to DAOT
Transmit to.....

FEB 22 1979

File No 2000-4
Dossier No.....
Charged to/Chargé à.....

Le 2^e février 1979

Ministère de la défense nationale
Ottawa

Monsieur,

Je suis un élève de secondaire 1 et je
manifeste un intérêt

①

d'immenses avoir des renseignements sur les O.V.N.I.

Veuillez accepter, Monsieur, l'expression de mes
sentiments respectueux.

②

② Note To File

Original letter removed from
file and forwarded to Planetary
Sciences Section, Astrophysics
of National Research Council, as
well forward UFO information to

② Our DAOT repl
& acknowledgement will be sent after
translation into language of
originator.

[Signature]
DAOT 4-3

28/2/79 6-2912

354

PA →

29 January, 1979

2

In reference to your letter of 20 January 1979, with attached Toronto Star news item, I must inform you that none of the UFO reports received by this Headquarters are given a security classification.

As explained to you in DAOT letter of 15 July 1978, all reports of UFO sightings forwarded to National Defence Headquarters are subsequently relayed to the Planetary Sciences Section, Hertzberg Institute of Technology, National Research Council of Canada.

Sightings received by military bases across Canada, those reported by observers like yourself, and those reported directly to the Planetary Sciences Section are all on open public display at the National Research Council, and you may contact that Department regarding the content and details of such reports.

Yours truly,

ORIGINAL SIGNED BY
W. NIEMY,
COL

W. Niemy
Colonel
Director Air Operations & Training

D. C. Smith
D.C. Smith/Maj/6-2912/ic
COPIES FOR:
Orig
Circ
File

355

355

PHD 3355-1 (DAOT) 2000-4

12 October, 1978

2

RE: UFO SIGHTING, APRIL 6, 1978

Thank you for sharing this illuminating UFO report with us. Often, visual phenomena observed over the water are difficult to classify. Persistent research of the type you have undertaken may help solve these mysteries.

I wish you continued success in your endeavours.

W. Niemy
W. Niemy
Colonel

Director Air Operations & Training

R.E. Merrick/Maj/2-7829/ic

COPIES FOR:

Orig
~~Circ~~
File

356

[Handwritten initials]

19 September, 1978

②

We acknowledge receipt of your student ② letter, and of your covering letter dated 6 September, 1978. A reply has been sent to ② but his request for information will be actioned by the National Research Council.

In 1968 the National Research Council of Canada, Planetary Sciences Section, assumed the responsibility for examining and collecting UFO information. Therefore, involvement by the Department of National Defence is currently limited to observing and reporting incidents of UFO sightings.

② letter has been sent to Dr. McNamara and a UFO information package will be forwarded to Port Hope from NRC/Planetary Sciences Section.

Yours sincerely,

ORIGINAL SIGNED BY
W. NIEMY
COL

W. Niemy
Colonel

Director Air Operations and Training

cc: Dr. A.G. McNamara
Planetary Sciences Section
Hertzberg Institute of Astrophysics
National Research Council of Canada
Montreal Road
Ottawa, Ontario
K1A 0R6

[Handwritten signature]
D.C. Smith, Maj/DAOT 4-3/6-2912/1nd

357

357

COPIES FOR:

ORIG
~~CIRC~~
FILE

Referred to
Transmit to DAOT

SEP 18 1978

Sept 6/78

File No
Dossier No. 2000-4
Charged to/Charge à

Dear Sirs,

This letter is from a student in my class who has in fact been very interested in UFO's over a period of a year or so. Of course, it is very unusual for such a student to maintain an interest over such a period of time. If he could receive any kind of reply it would be terrific for his morale.

Thank you,

④ N.T.F.
Original letter forwarded
to National Research Council.
19 Sep 78. DAOT 4-2
6-2912.

②

DAOT 4-3
Can certain
can guarantee an
appropriate number of
copies
1-10
②
14/9

(3) DAOT
Interim reply to ②
② incl. copy
NRC preliminary Sciences
Section. Information on
plus list of published refer
material available as the
libraries will be sent to
②

18/9/78
6-29

358

To Ottawa

Ministry of Defense I believe

that we are visited from

other planets. They are

not here to hurt us; they

are our friends. I've been

Reading about UFOs and I'd

like information and I'd

Some books. m. ②

359

②

2000-4 (DAOT 4-3)

PA →

18 July 1978

②

Thank you for your letters dated July 5 and July 9, 1978, concerning the July 3rd UFO sightings near Highway 401 and on Lake Ontario.

In 1968 the National Research Council of Canada assumed the responsibility for examining and collecting information on this subject. Therefore, involvement by the Department of National Defence is currently limited to observing and reporting incidents of UFO sightings to that department.

Your letters and associated information have been forwarded to the Planetary Sciences Section of the National Research Council.

Yours truly,

ORIGINAL SIGNED BY
W. NIEMY,
COL

W. Niemy
Colonel

Director Air Operations and Training


D.C. Smith, Maj/DAOT 4-3/6-2912/1h

cc: Dr. A.G. McNamara
Planetary Sciences Section
National Research Council of Canada
Hertsberg Institute of Astrophysics
Montreal Road
Ottawa, Ontario
K1A 0R6

360

2

Sqd. Leader,
Department of National Defence,
HQ Ottawa, Ontario, Canada.
KIA - OR6

NDRMS/SGDDN 3-3-2
Referred to DAOT
Transferred to

JUL 13 1978

File No
Dossier No. 2000-4

Charged to/Chargé à

Dear Sir,
I believe that by the time this letter reaches you, that you will have already received my U.F.O. sighting report by a Mr. Jim Coren of Mississauga Ontario, along with the report of an unknown by Durham Regional Police out in lake Ontario. Now the sighting of Mr. Coren was confirmed by a Mr. George St. Aubin of Oshawa Ont. I enclose a copy of his report of the sighting of Monday 3rd. July between 1:15 AM. E.S.T. and 1:30 AM. E.S.T. in the city of Oshawa near the 401 HWY in the south end of the city.

2

361

NOTE TO FILE:
Original letter forwarded
to Planetary Sciences Division,
National Research Council, Ottawa
JLF with my
DAOT 4-3
6.2912
17/7/78

P
W.P.

361

An Oshawa Man Confirms Monday's UFO Sighting

By LESLIE WRIGHT
Times Staff Writer

A second man has reported seeing some kind of unidentified flying object in the sky above Oshawa early Monday morning.

George St. Aubin of 323 Hillside Ave., has told The Times that he also saw a red fiery ball in the sky above Storie Park at 1:15 a.m. Monday.

Earlier this week, Jim Coren, of Mississauga, reported seeing a cigar-shaped fiery object in the same area as he drove through Oshawa at that time.

MARKS FOUND

Coren and a private UFO investigator Tom Grey visited the area on Monday. By the time they left, Grey said he was convinced that worn circles

they saw in the grass at Storie Park were caused by the landing pods of a flying craft of some sort.

St. Aubin said he phoned The Times because he did not want people to think Coren was crazy because he reported seeing the object.

St. Aubin said he had just arrived home from camping about 1 a.m. Monday. He had a shower and when he looked out of the window 15 minutes later he saw the object from his window, he said.

DISAPPEARED

He went to get his wife to show her but by the time they returned to the window it was gone, he said.

St. Aubin's description of the object matches Coren's

description except that St. Aubin said it was round, not cigar-shaped.

St. Aubin said that the difference in the descriptions may be because from his house he saw what would be the back of any object.

Hillside Avenue is west of Storie Park. Coren said he saw the object from east as he drove along the 401 Hwy.

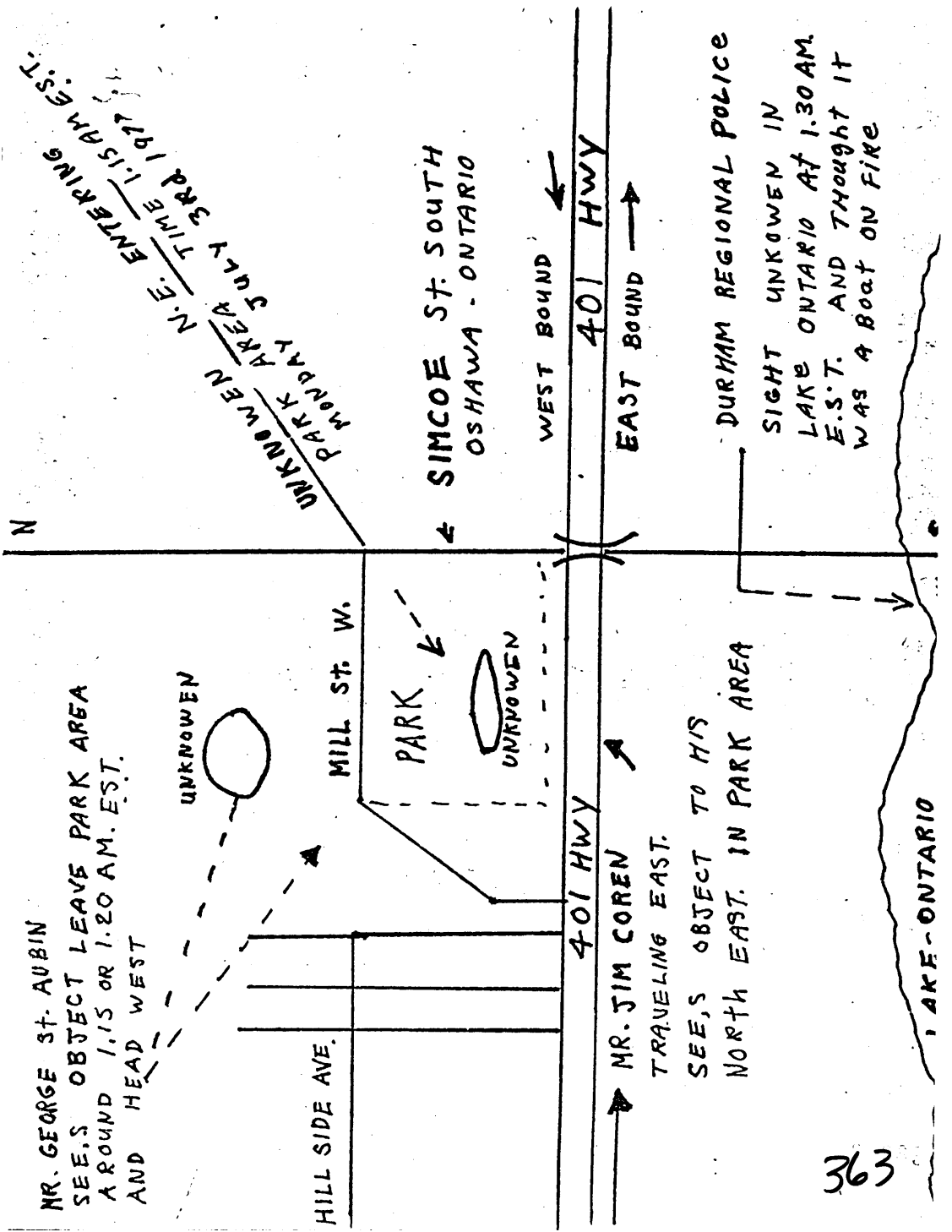
St. Aubin said he saw a round circle of fire that was "really red."

"All you could see around the ball was points," he said.

At first he thought the object must be a falling star, he said.

"But it was about 100 times bigger than a star," he said. "It was really low and didn't fall like a shooting star."

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MR. GEORGE ST. AUBIN
 SEES OBJECT LEAVE PARK AREA
 AROUND 1.15 OR 1.20 A.M. EST.
 AND HEAD WEST

MR. JIM COREN
 TRAVELING EAST.
 SEES OBJECT TO HIS
 NORTH EAST. IN PARK AREA

DURHAM REGIONAL POLICE
 SIGHT UNKNOWN IN
 LAKE ONTARIO AT 1.30 AM.
 E.S.T. AND THOUGHT IT
 WAS A BOAT ON FIRE

UNKNOWN N.E. ENTERING
 PARK AREA TULY 3RD 1972
 TIME 1.15 AM EST.

SIMCOE ST. SOUTH
 OSHTAWA - ONTARIO

WEST BOUND

401 HWY

EAST BOUND

LAKE-ONTARIO

363

②

Referred to
Transmis à DAOT

JUL 12 1978

File No
Lettre No. 2000-4

JULY 5th. 1978 Chargé to/Chargé à

SQD. LEADER,
Department of National Defence,
Ottawa, Ontario, Canada.
KIA - QR2.

Dear Sir,

I wish to advise you of two U.F.O. reports of Monday July 3rd. 1978 in this city. It does appear that both sightings are of the same object. The sighting took place in the south end of the city near the 401 hwy at 1:15 and 1:30 AM. E.S.T. and it did appear to have made a landing then took off and went out in to lake ontario, and disapeared. I will forward the conformation of the sightings by OPP and Durham Regional Police , when I receive them .

②

365

NOTE TO FILE
Original letter forwarded
to Planetary Sciences Division,
National Research Council, Ottawa.

[Signature]
DAOT 4-3
6.29.78
17/7/78

28

2000

365

WEATHER FORECAST

**Clearing Tonight,
Sunny Tuesday**

TORONTO (CP) — Ontario weather forecasts at 6 a.m. EDT:

Synopsis: It will be sunny and warm in all of Ontario today except for cloudy periods and showers in the extreme north. The good weather is expected to continue overnight and into Tuesday.

Toronto: Variable cloudiness today, high 24. Clearing tonight, low 12. Mostly sunny Tuesday, high 26.

Windsor, Lake St. Clair, Lake Erie: Mostly cloudy today, high 22. Clearing tonight, low 13 to 15. Mostly sunny Tuesday, high 28.

London, Hamilton, Kitchener, Niagara, western Lake Ontario, southern Lake Huron: Variable cloudiness today, mostly sunny Tuesday. Highs today 23 to 25, lows tonight 10 to 12, highs Tuesday 26 to 28.

Peterborough, northern Lake Huron, southern Georgian Bay, eastern Lake Ontario, Haliburton: Variable cloudiness today, mostly sunny Tuesday. Highs today 23 to 25, lows tonight 9 to 11, highs Tuesday 26.

North Bay, Sudbury, northern Georgian Bay, Temagami, Cochrane: Variable cloudiness today and tonight, mostly sunny Tuesday. Highs today 25 to 27, lows tonight 11 to 13, highs Tuesday 27.

Sault Ste. Marie, Algoma, southern White River: Mostly sunny today and Tuesday.

Long-Range Forecast

TORONTO (CP) — Extended Ontario weather forecasts:

Southern Ontario: Wednesday, mainly sunny, lows 12 to 16, highs 24 to 28. Thursday and Friday hazy, warm and humid, evening thunderstorms both days, lows 16 to 20, highs 28 to 32.

Central Ontario: Wednesday mainly sunny, lows 9 to 13, highs 24 to 28. Thursday increasing cloudiness, chance of a thunderstorm late in day, lows 12 to 16, highs 25 to 28. Friday showers and thunderstorms, lows 15 to 19, highs 22 to 26.

Northern Ontario: Wednesday mainly sunny, lows 8 to 12, highs 22 to 26. Thursday and Friday mainly cloudy with showers, thunderstorms near the Great Lakes, lows 12 to 15, highs 21 to 24.

Highs both days 25 to 27, lows tonight 13.

Northern White River, Geraldton: Mostly sunny today, sunny with cloudy periods Tuesday, chance of a thunderstorm late in day. Highs today and Tuesday 25 to 27, lows tonight 13 to 15.

Moose River: Variable cloudiness today and Tuesday, chance of a thunderstorm late in day Tuesday. Highs today 22, lows tonight 12, highs Tuesday 24.

Winisk: Mostly cloudy with occasional rain and drizzle today and Tuesday. Highs today 16 to 20, lows tonight 5 to 9, highs Tuesday 10 to 14.

Ottawa: Sunny today and Tuesday. High today 25, low tonight 13, high Tuesday 27.

	High Today	Low Tonight	High Tue.
Windsor	22	15	28
Sarnia	22	14	28
St. Thomas	22	14	28
London	24	13	27
Kitchener	24	12	27
Mount Forest	24	10	26
Wingham	24	11	26
Owen Sound	25	11	26
Muskoka	25	10	26
Hamilton	22	13	24
St. Cath	25	12	26
Toronto	24	12	26
Trenton	25	10	26
Kingston	23	9	24
Peterborough	24	9	24
Petawawa	25	9	26
North Bay	25	10	27
Sudbury	25	11	27
Earlton	25	12	27
Timmins	27	13	27
Kapuskasing	27	13	27
Wawa	22	13	22
White River	26	13	26
Geraldton	26	15	26

The Oshawa Times

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Mail Delivery Province of Ontario	Yearly \$49.00
Mail Delivery Outside Ontario	Yearly \$95.00

Search Fruitless *July 30/78*

A search of Lake Ontario early today by Coast Guard and local marine rescue organizations failed to find evidence of a reported boat fire.

Capt. Jim Weldon of City of Oshawa Marine Rescue Association (COMRA) said Durham regional police sighted what appeared to be a boat on fire about three miles south of Thornton Road shortly before 1:30 a.m.

COMRA took to the water immediately and was later joined in the search by two Toronto Harbor Police boats and the Coast Guard cutter Spindrift which operates out of Trenton.

Weldon said a 20-mile area of the lake was searched by the four vessels but nothing was found. A helicopter from the Trenton base joined in the search at dawn, also with no results.

"What it was is anybody's guess," said Weldon, "the visibility was good."

"With a helicopter there is no way you can miss a boat," he added.

U.F.O.

BELEAVED

TO BE SAME
OBJECT SIGHT
BY MR. JIM CORE

FROM HWY 401
SIGHTINGS 15 MIN
APPART

②

WEATER DATA

366

PH

6 April, 1978

2

Thank you for your letter expressing interest in UFOs. In 1968 the National Research Council of Canada assumed the responsibility for examining and collecting information on this subject. Therefore, involvement by the Department of National Defence is currently limited to observing and reporting incidents of UFO sightings to that department.

Your letter has been forwarded to the Planetary Sciences Section of the National Research Council, and I thank you for your interest in this field.

Yours truly,

ORIGINAL SIGNED BY
W. NIEMY
COL

W. Niemy
Colonel

Director Air Operations and Training

cc: Dr. A.G. McNamara
Planetary Sciences Section
National Research Council of Canada
Hertzberg Institute of Astrophysics
Montreal Road
Ottawa, Ontario
K1A 0R6

367

WCS
D.C. Smith/Maj/DAOT 4-3/6-2912/gs

Copies for:

Orig
~~Circ~~
File

367

Canada
POSTAGE

14



SQD. Leader,
Department of National Defence,
Ottawa, Ontario, Canada.
K1A 0R2

77

②

368

INFORMED BY DN 3-32
Reference to DAOT ✓
FILE NO.

②

MAR 31 1978

FILE NO. 2000-f
DEPARTMENT NO.

Charged to/Chargé à.....

Dear Sir

I am very interested in UFO's,
and was wondering if you could send me
some further information on them. If possible
maybe you could send me some photos
of UFO's.

Yours truly,

②

Note to file

Original letter forwarded
to: Planetary Sciences Section
National Research Council
Montreal Road, Ottawa

W. J. Smith
DAOT 4-3
6/4/78 6-29/2

②



Department of National Defence
Ottawa Ontario K1A-0K2

369

2000-4

OTTAWA

017 17 32'78

NNNNVV AVA305 UU

PP RCCWC

DE RCWBQEA 1 0171604

ZNR UUUUU

P R 162100Z JAN 78

FM CFB MOOSE JAW

TO RCCWC/NDOC OTTAWA

INFO RCCWC/NDHQ OTTAWA

BT

UNCLAS ATC 55

NDHQ FOR CDRB

FOR: RADIO AND ELECTRICAL ENGINEERING DIVISION

UFO REPORT

A. 15 JAN 78 17 00 LOCAL

B. CLEAR

C. (2)

D. DRIVING ON HIGHWAY

E. (2)

F. OBLONG (SEMI-CIRCULAR) LARGEST PART GLOWING FILTERY ORANGE WITH A BRIGHT YELLOW LIGHT ON THE NARROWEST PART FACING UP AT THE TOP OF THE OBLONG

G. APPROX 10 MINUTES

H. DRIVING ON HIGHWAY TURNED (SOUTH) AND STOPPED. WHEN LOOKING DIRECTLY AT IT, IT STOPPED GLOWING AND THE ORANGE LIGHT TURNED WHITE AND THE YELLOW LIGHT TURNED BLACK AND IT MOVED FROM ITS

NDOC (3)
CDRB (1)
CRAD
Tech Coord
mm 24/1

370

PAGE 2 RCWBQEA 1 UNCLAS

STATIONARY POSITION EASTWARD GIVING A QUOTE CHAIR-LIKE UNQUOTE
APPEARANCE. SIGHTED LAST TUESDAY 10 JAN BY A FARMER (2)

(2) AT APPROX 2200 HRS SAME POSITION IN THE SKY BUT WITH BLUE
AND RED FLASHING LIGHTS. SEEN EVERY NIGHT SINCE (NOT REPORTED).

ALSO SIGHTED BY A LAB TECHNICIAN (2) ALONG WITH (2)

(2) SAME DAY OF THIS REPORT AND ALSO WHILE GOING TO WORK THIS
AM (0830 LOCAL) (2)

BT

B71967

D/CRAAC-192

371



National Défense
Defence nationale

2000-4 (DAOT)

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

7 July 1977

②

Thank you for your letter of 12 Jun. In 1968 the National Research Council of Canada assumed the responsibility for examining and consolidating all reports on this subject. Thus, this department's involvement is currently limited to observing and reporting incidents of UFO sightings to that department

I have therefore taken the liberty of forwarding your letter to the Planetary Sciences Section of the National Research Council.

Likewise your request for information on Emergency Planning Canada has been forwarded to that branch within this department. I would expect that you will be hearing directly from that office.

Trusting this meets with your approval, I remain

AS
A.J. Bauer
Colonel

Director of Air Operations and Training

cc: Dr A.G. McNamara
Planetary Sciences Section
National Research Council of Canada
Hertzberg Institute of Astrophysics
Montreal Road
Ottawa, Ontario
K1A 0R6

Director General
Emergency Planning Canada
Third Floor, Tower "B"
Lester B. Pearson Bldg
125 Sussex Drive, Ottawa
K1A 0W6

Department of National Defence Ministère de la Défense nationale
101 Colonel By Drive 101, promenade Colonel-By
Ottawa Ottawa
K1A 0K2 K1A 0K2

372

2000-4 (DIOA)

Quartier général de la
Défense nationale
Ottawa (Ontario)
K1A 0K2

le 7 juillet 1977

②

Monsieur,

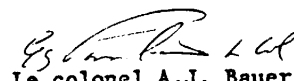
Je vous remercie de votre lettre du 12 juin. En 1968, le Conseil national de recherches du Canada est devenu l'organisme chargé d'étudier et de rassembler tous les rapports à ce sujet. Le rôle de notre ministère se limite actuellement à l'observation d'incidents relatifs aux OVNI, incidents que nous signalons à cet organisme.

Je me suis donc permis de transmettre votre lettre à la section de la planétologie du Conseil national de recherches.

Par ailleurs, votre demande de renseignements sur Planification d'urgence Canada a été transmise au service intéressé, au MDN, qui prendra sans doute contact avec vous directement.

J'espère que ces renseignements vous donneront satisfaction.

Veuillez agréer, Monsieur, l'assurance de mes sentiments les meilleurs.


Le colonel A.J. Bauer
Directeur de l'Instruction et des opérations aériennes

373

.../2

Translation
RP 30 Jun 77
1184218

②

12 June 1977

Sir:

I would be grateful if you would send me some information on
UFOs in Canada and on Emergency Planning Canada.

Yours truly,

②

374

✓
DORION 15/01/77

REFERENCE No	
Referred to	DADT
Transmitted to	
File No	JUN 15 1977
Document No.	2000-4
Charged to/Chargé à	

Monsieur,

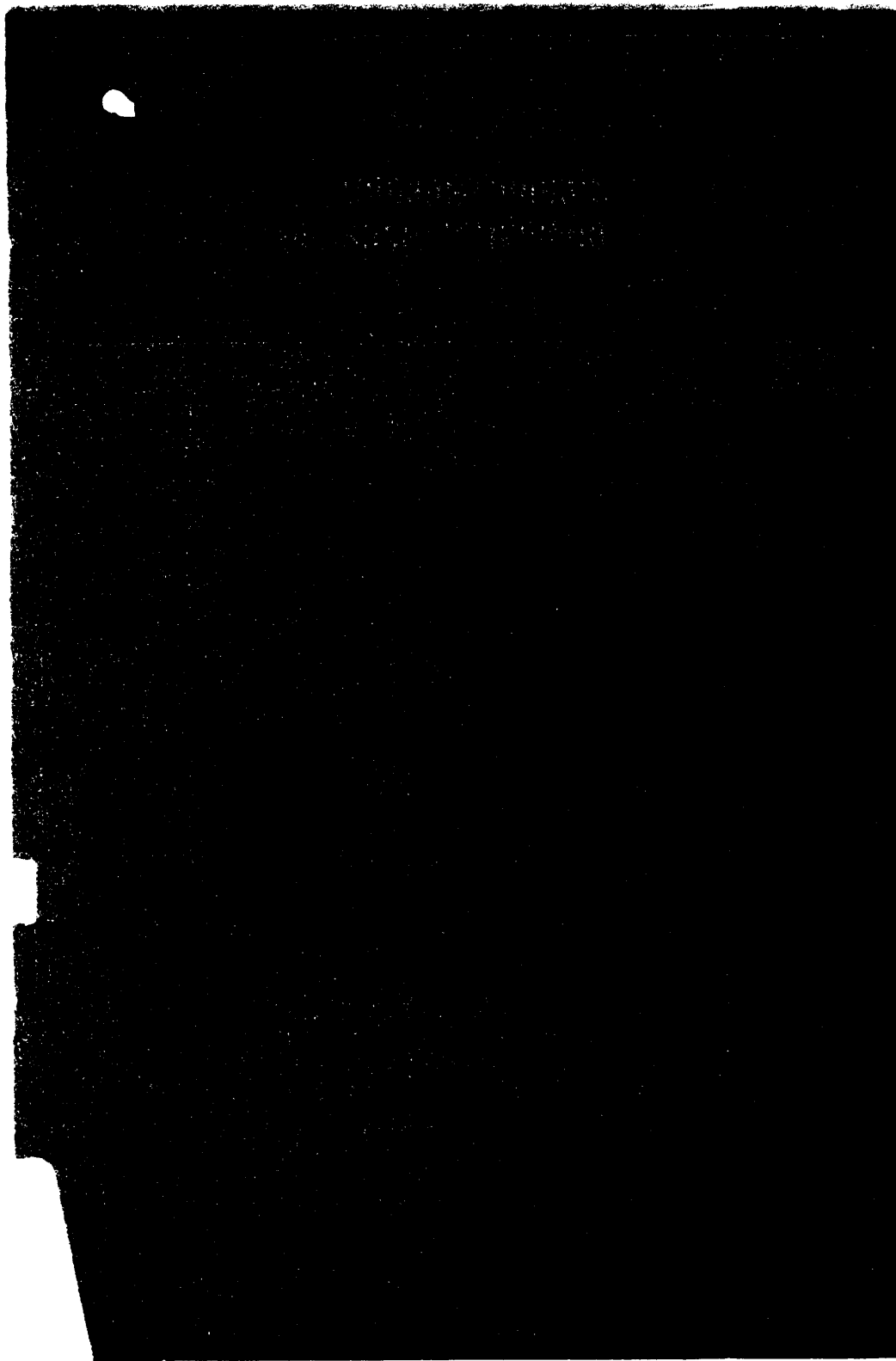
Proriez vous m'envoyer des informations sur les (UFO) unidentified flying object au Canada et du service de PREPARATION du public

Merci ?

mes sentiments les meilleurs

②

375



376



2000-4 TD 7066 (DST(SE)4)

National Defence Headquarters,
Ottawa, Ontario,
K1A 0K2.

6 April, 1977.

②

As requested in your letter dated 22 February, 1977, the correspondence and attached newspaper article have been reviewed. If I understand his letter correctly, in the light of former correspondence received in DND from ② is asking for financial support from the Canadian government in a flying saucer construction project. ② offers an article published in the National Enquirer to substantiate the feasibility of this project.

The scientific paper by Dr. J.P. Petit, referred to in the second paragraph of the Enquirer's article, has been obtained and reviewed. Dr. Petit has published several scientific papers in the fields of Cosmology and Plasma Physics. In this paper (copy attached), Dr. Petit speculates on the properties of some possible configurations for magnetohydrodynamic (MHD) generators. The whole paper is purely conceptual and hypothetical. It does not describe experimental results, it suggests the possible properties of hypothetical designs. Dr. Petit is a respected scientist and his article reflects a scientific approach: hypotheses are clearly stated and conclusions are conditional to the realization of the hypotheses.

After discussing several new MHD generator configurations, Dr. Petit suggests the possibility of using some of them for an airborne MHD power unit capable of travelling at supersonic speeds without generating a shock wave. However he also points out that "our current technology does not seem to allow us to envisage such a machine which would require a source of thermal energy of both low weight and small volume (a fusion generator)".

.../2

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Current fusion generators weigh several tons, are extremely large, and operate only for a small fraction of a second at a time.

The Enquirer reports this same scientific article as a highly controversial paper in the eyes of the Académie des Sciences and claims it contains diagrams of a flying saucer.

However the facts seem to be: Petit's paper was just another paper presented at a normal session; it was not even notable enough to warrant being presented by Dr. Petit himself: Mr. A. Lichnerowicz presented it. The flying saucer diagrams are in fact a hand sketch of the hypothetical gas flow in a MHD generator (c.f. Figure 7). The small rectangles in the diagram are electrodes intended to collect the electric current "hopefully" generated, they are not "portholes". Moreover the diagram is purely illustrative; the apparatus to generate the magnetic field, the power source and gas supply for the ionized gas flow is not shown.

It thus seems that, at least for this particular paragraph, the Enquirer's article is a gross misrepresentation of the facts. Judging from the newspaper presentation of the scientific paper, I have serious doubts as to the exactness of the rest of the article. I am afraid that any hypothesis or possibility expressed by Dr. Petit has been transcribed as demonstrated facts by the Enquirer.

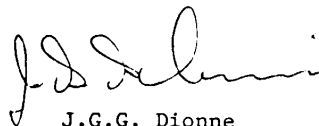
I would suggest that a copy of Dr. Petit's article be sent to pointing out that, after consulting Petit's paper, it was evident that the second paragraph of the Enquirer's article was inexact and indicated a definite slant. Accordingly, one would be well advised to be very circumspect as to the overall credibility given to the whole article.

② should also be reminded that the technological and scientific knowledge available to us clearly indicate that it is not advisable to divert funds and effort to the development of "flying saucer" machines, particularly at a time when there are so many worthwhile problems requiring urgent attention: protection of the environment and energy conservation represent some of those problems.

I hope that the information provided will be useful to your office. If you feel that additional information would be required, I will do my best to provide it.

Yours truly,

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J.G.G. Dionne
Director Science & Technology
(Sensors & Electromagnetics)4

Attachment

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MAGNÉTOHYDRODYNAMIQUE. — *Convertisseurs magnétohydrodynamiques d'un genre nouveau.* Note (*) de M. Jean-Pierre Petit ⁽¹⁾, présentée par M. André Lichnerowicz.

De nombreuses études, tant théoriques qu'expérimentales, ont été faites sur les accélérateurs et les générateurs MHD. Il semble pourtant que certaines configurations, associées à des valeurs élevées du paramètre de Hall, aient échappé jusqu'ici à l'investigation. Nous présentons donc ici des formules nouvelles de ces machines MHD, ayant des configurations elliptiques et hyperboliques, et tentons d'évoquer leurs applications possibles.

INTRODUCTION. — Les convertisseurs MHD qui vont être décrits ici sont basés sur la caractéristique géométrique suivante : considérons un système d'électrodes (voir fig. 1) créant dans un fluide conducteur de l'électricité un courant pariétal à symétrie radiale.

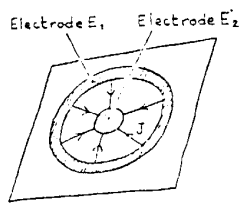


Fig. 1

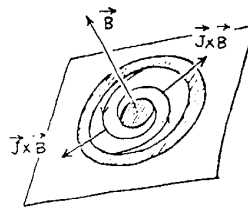


Fig. 2

Introduisons un champ magnétique uniforme dont les lignes de force sont parallèles à l'axe du système (voir fig. 2). Si le paramètre de Hall excède l'unité, les lignes de courant vont prendre une forme spiralee. L'examen des forces de Lorentz agissant dans le fluide voisin de la paroi isolante montre que celles-ci sont, suivant la direction du champ B et suivant la polarité des électrodes, centrifuges (notre exemple) ou centripètes. A partir de ce schéma il est possible d'imaginer un ensemble de convertisseurs MHD aux propriétés originales.

I. COMPRESSEUR MHD. — La figure 3 décrit une enceinte fermée contenant un gaz. Deux des parois affectent la forme d'un hyperboloïde à deux nappes. La troisième paroi est cylindrique et porte une électrode E_1 . La seconde électrode est placée sur l'axe du dispositif, qui possède la symétrie de révolution. Un champ uniforme B est créé par un solénoïde, également représenté. La décharge d'une puissante batterie de condensateurs dans cette enceinte, connectée aux électrodes E_1 et E_2 engendre un système de forces de Lorentz centripètes susceptibles de créer au centre, un plasma à pression et température élevées. Ceci peut présenter un intérêt, tant sur le plan fondamental que pour servir de base à une expérience de fusion par laser, l'énergie d'un laser de haute puissance étant concentrée sur le plasma ainsi créé.