

COPY

June 8th, 1965

Dear Martin,

I enclose for your information, a copy of a letter which I have sent to Dr. Solly Zuckerman, Chief Scientific Advisor to the Secretary of State for Defence. The letter is self explanatory, though its tone may be more deprecatory than you would choose. This however, is done consciously.

Yours Sincerely,

John Humphrey

"Document A" is the draft report of the third session of the BW study group at Trieste.

"Document B" is the note of the informal discussion in Geneva, May 9th.

Can you let me have another copy of each of these? JHH

Dr. M. Kaplan
La Chenaie,
La Pallanterie,
Vesenaz, Geneva

8th June, 1965

Personal

Dear Sir Solly,

Wayland Young told me that you are prepared to be approached about the possibility that M.R.E. Porton might be encouraged or permitted - if willing - to give some advice to a Pugwash Study Group on Biological Warfare (of which I am a rather peripheral member).

The background to this Study Group is a discussion which took place at ^{the} Karlov Vary meeting of the Pugwash Committee last year, at which were discussed two linked questions:-

- (a) The problems facing small nations in keeping abreast of methods of defence against BW and,
- (b) The possibility that a pilot inspection scheme, involving countries belonging to the Western and Eastern blocs, might be set up in relation to BW - BW being chosen because it was considered to be a potentially important, but at the moment relatively non-sensitive area of defence activities.

The hope is that if a genuinely useful voluntary inspection scheme could be worked out, and shown both to be practicable and not to lead to friction when applied on a limited scale (in two "western" and two "eastern" countries), the example and the lessons learned might be applied in other more important areas.

I think that BW may have received perhaps undue emphasis at past Pugwash meetings, because the physicists, who predominate, are worried about BW as something of which they do not have the measure (by contrast with nuclear warfare, concerning the possibilities of which enough is known and discussed to make its consequences - within limits - predictable). I also think that even a successful inspection system relating to BW is likely to be less of use as a means of making this form of warfare improbable than as a political gesture. However the Study Group exists, and is composed of able and not unduly starry-eyed persons, who are taking their task quite seriously. They have met three times (though I personally only attended one meeting) and the present stage of the discussions is summarized in the two enclosed documents (A and B).

Although I have, with the knowledge of the Study Group, kept first Henderson and then Gordon Smith informed of what has been going on, they have expressed not surprisingly, no more than a polite interest.

The reason for approaching you is that the Study Group has reached the conclusions marked in documents A and B, relating to the development of methods for very rapid detection and identification of micro-organisms - an activity in which I understand M.R.E. to be deeply engaged, and one which is as relevant to a peaceful as to a potentially warlike world. Dr. Ole Maaløe, Professor of Microbiology at Copenhagen and an active member of the Study Group, discussed the possibility with John Kendrew and then with myself that M.R.E.

might be willing to join in, or at least to discuss the value of, cooperative work along these lines (some of which might be aided by the WHO). I think that M.R.E. could not do this without some official blessing from yourself. Maaløe or I (but better Maaløe) would gladly come to discuss in more detail with you, if you wish, the arguments in favor of encouraging M.R.E. to help to a limited extent, either now or in the future.

One of the greatest drawbacks to intelligent evaluation of BW is that much is based on surmise - fed by wild-sounding statements by one or two US generals - on the part of persons who are not really in the know. Although I suppose that any evaluation by someone who really is involved in defence against BW would be liable to interpretation as bluff or double-bluff, I wonder whether there is not a good case of presenting an evaluation in - say - Wayland Young's "Nuclear Disarmament and Arms Control"? However, I would not care to have to prepare such an evaluation myself!

Yours sincerely,

J.H. Humphrey

Sir Solly Zuckerman, F.R.S.,
Chief Scientific Adviser to the Secretary of
State for Defence,
Ministry of Defence,
Whitehall,
London, S.W.1.



1965

11 June,

Dear Matt,

Enclosed is correspondence from John Humphrey that is self explanatory. I shall speak to him in London next week. I shall probably see 2 members for a few minutes and a London Zoological Society meeting as I shall try to determine his reaction to John's letter.

Thanks for the revised copies of your paper. I shall be staying at Rottollet's house Monday to Thursday and shall have an opportunity to discuss the entire matter with him.

Regards,

Robert

Dear Martin

I enclose for your information a copy of
a letter which I have sent to Dr Billy Kenton
Chief Scientific Advisor to the Secretary of State for
Defence. The letter is self explanatory, though
its tone may be more direct than you would
choose - this however is done intentionally

Yours sincerely,

J. H. H. Humphreys

"Document A" is the draft report of the three members of
the B6 study group at Torsholm

"Document B" is the note of the informal discussion in
Geneva, May 9th

(Can you let me have another copy of
each of these? J.H.H.)

Dr M. Kaplan
La Chaux, La Pallantone, Veveys, Geneva

8th June 1965

Personal

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- (a) The problems facing small nations in keeping abreast of methods of defence against BW, and
- (b) The possibility that a pilot inspection scheme, involving countries belonging to the western and Eastern blocs, might be set up in relation to BW - BW being chosen because it was considered to be a potentially important, but at the moment relatively non-sensitive area of defence activities.

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The reason for

Atk June 1965

The reason for approaching you is that the Study Group has reached the conclusions marked in documents A and B, relating to the development of methods for very rapid detection and identification of micro-organisms - an activity in which I understand M.R.L. to be deeply engaged, and one which is as relevant to a peaceful as to a potentially warlike world. Dr. Otto Maaloe, Professor of Microbiology at Copenhagen and an active member of the Study Group, discussed the possibility with John Andrew and then with myself that M.R.L. might be willing to join in, or at least to discuss the value of, co-operative work along these lines (some of which might be aided by the M.R.C.). I think that M.R.L. could not do this without some official blessing from yourself. Maaloe or I (but better Maaloe) would gladly come to discuss in more detail with you, if you wish, the arguments in favour of encouraging M.R.L. to help to a limited extent, either now or in the future.

One of the greatest drawbacks to intelligent evaluation of B is that much is based on surprise - fed by wild-sounding statements by one or two U.S. generals - on the part of persons who are not really in the know. Although I suppose that any evaluation by someone who really is involved in defence against B would be liable to interpretation as bluff or double-bluff, I wonder whether there is not a good case for presenting an evaluation in - say - wayland Young's "Nuclear Disarmament and Defence"? However I would not care to have to prepare such an evaluation myself!

Yours sincerely,

J.H. Humphrey

Sir Golly Backerman, F.R.S.,
Chief Scientific Adviser to the Secretary of
State for Defence,
Ministry of Defence,
Whitehall,
London, S.W.1

Dr. Bell

6/13

77A

Paul Doty telephoned from the USA on 15/5 May to say that Fulbright's Committee has ~~be~~ had hearings on B & CW. Investigation of this subject was motivated by concern that if Land's view on the slippage of American deterrent power is true, then perhaps the US should see what could be done with B & CW weapons.

CK

Doty's colleague Maselson (whom you will remember from correspondence with Sir Henry Hardman a few years ago) has contributed greatly to the debate - so much so that he has turned the tide in the exactly opposite direction and the Senate may now take positive action for the first time in years on the Geneva protocol.

Maselson will be in Geneva on 24th May and will pass through London on 26th or 27th May. He will telephone you at home in Norfolk.

God

Doty himself may pass through London en route to Paris on 28th May. He'd much hoped to see you when you are in New York, but he himself will be out of the USA for some days during your first week there.

God

60

15/5/69

Handwritten by Iris Hunger

British National Archive

CAB 168/128

The letter was sent
from the British
Embassy in Washing-

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as I can
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docu-
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filed
with
this
one.

go =

G. Owen,

Sallyt seuy.

Good = Good!

From the British National Archive
CAB 168/128

(handwritten on copy of letter) The letter was sent from the British Embassy in Washington, as far as I can deduce from documents filed with this one.

Sir Solly

Paul Doty telephoned from the USA on 15th May to say that Fullbright's Committee has had hearings on B&CW. Investigation of this subject was motivated by concern that if Laird's view on the slippage of American deterrent power is true, then perhaps the US should see what could be done with B&CW weapons.

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Meselson will be in Geneva on 24th May and will pass through London on 26th or 27th May. He will telephone you at home in Norfolk.

Doty himself may pass through London en route to Paris on 29th May. He much hopes to see you when you are in New York, but he himself will be out of the USA for some days during your first week there.

15/5/69

Walker
~~Wright~~ John
October 10, 2014

I THINK THIS IS A
CABINET OFFICE
ORIGIN DOCUMENT

— '.... Doty telephoned
from the USA on....

SINCE IT IS MANUSCRIPT,
IT COULD WELL BE
FROM HIS PRIVATE
SECRETARY IN THE
CABINET OFFICE.

John



Record Copying Department
Telephone +44 (0)20 8876 3444 EXT 2389
The National Archives, Kew, Richmond, Surrey, TW9 4DU
www.nationalarchives.gov.uk

Folio 77A, Correspondence Chief Scientific Adviser, Solly Zuckerman dated 15 May 1969

Reference:	CAB 168/128
Description:	Study of chemical and biological warfare by UN group of experts
Date:	1968-1970
Held by:	The National Archives, Kew
Former reference in its original department	Z 60/3
Legal status:	Public Record
Record opening date:	01 January 2001

October 7, 1959

Sir Solly Zuckerman
Chief Scientific Advisor
Cabinet Office
London, S.W.1
England

Dear Sir Solly,

I enclose for your interest the proceedings of a recent conference on chemical and biological warfare sponsored jointly by the American Academy of Arts and Sciences and the Salk Institute.

With warm personal regards,

Sincerely yours,

Matthew Meselson

MM:ls
Encl.



CABINET OFFICE
LONDON SW1

Telephone: 01-930 5422

Sir Solly Zuckerman, O.M., K.C.B., F.R.S
Chief Scientific Adviser

9th October 1969.

Dear Meselson

Thank you for sending me the record of the C and BW symposium. I found it most illuminating, particularly as I did not know before that the Pentagon regards the term 'incapacitating' as permitting 2% of fatalities. Does this apply as much to CW as to BW? Who, by the by, is Mr. Han Swyter? I have inferred from his contribution that he must be well in in the C and BW establishment. Am I right?

Dr. Matthew S. Meselson,
Biological Laboratories,
Harvard University,
Cambridge, Massachusetts 02138,
U.S.A.



The Zoological Society of London

Secretary : Professor Sir Solly Zuckerman
OM, KCB, DSc, FRS

Regent's Park London NW1
01-722 3333

SZ/SN

20th January 1970.

Personal

Professor Matthew Meselson,
The Biological Laboratories,
Harvard University,
16 Divinity Avenue,
Cambridge,
Mass. 02138.

Dear Matthew,

Thank you very much for your very full reply to my enquiry on behalf of Charles Maclean. I will see that he has all the information immediately, and will discover what his intentions are with, I hope, the minimum of delay. He really is someone who ought to be encouraged.

I fully understand about the memorandum. When you have time, do please let me have it since the matter is also of concern over here!

With all good wishes,

Yours ever,

SSZ

*18-3146 Blue Tarkenton
5262*

January 27, 1970

Sir Solly Zuckerman
OM, KCB, DSc, FRS
The Zoological Society of London
Regent's Park
London, N.W.1
England

Dear Sir Solly,

I enclose for your possible interest a paper
entitled "What Policy for Toxins?".

With very best regards,

Sincerely yours,

Matthew Meselson

MM:ls
Encl.

CBW



CABINET OFFICE
LONDON SW1
Telephone: 01-930 5422

Sir Solly Zuckerman. O.M. K.C.B. F.R.S.
Chief Scientific Adviser

16th March 1970.

Dear Nathy,

I am very grateful to you for sending me both the Congressional Hearings on C-BW and the press cuttings. They will be most useful.

*J. —
Bill Jackson*

Professor Matthew Meselson.

*CBW
copy*

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES

July 10, 1970 16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

Sir Solly Zuckerman
The Zoological Society of London
Regent's Park
London, N. W. 1
England

Dear Solly,

I have checked into Maclean's application at MIT and find that no place can be found for him this year in any department appropriate to his interests. The same situation seems to obtain to Harvard and at Boston University. However, I am to hear more next week from B. U. and from Tufts.

As ever,



CSW
Zuckerman

The Zoological Society of London

Secretary: Professor Sir Solly Zuckerman
OM, KCB, DSc, FRS

Regent's Park London NW1
01-722 3333

SEP 11 1970

SZ/SN

13th August 1970.

Dear Matt,

Thank you so much for your letter of July 27, of which I have sent a digest of the relevant part to Sir Fitzroy Maclean.

Thank you also for the piece about CS. It is too soon to say whether this Government is likely to take the matter up and, if it does, what the outcome would be. We are all much worried by the transport of nerve gas which is being given so much publicity in our press and on our television. Is what is being done safe?

Yours ever,

Shirley Newton.

pp. S. Zuckerman.

Professor Matthew Meselson,
Harvard University,
The Biological Laboratories,
16 Divinity Avenue,
Cambridge,
Massachusetts 02138,
U.S.A.

16 August 1971

Baron Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn
Norfolk
ENGLAND

Dear Solly,

I will be in London with my family from October 7th until October 14th. If you are not away, then could we get together for a talk?

The photographs for which you asked should be ready to send later this week.

Here for your interest is a memorandum I've prepared for discussion here on the current status of the Protocol. I have heard that in the very near future the Canadian Cabinet will decide Canada's position regarding tear gas and herbicides. The Canadian military agree that herbicides are useless for them as weapons but the Canadian chemical people are fighting for a first use option on herbicides. External Affairs Minister Sharpe favors the inclusion of both agents under the Protocol. However ~~the~~ decision probably rests with the Defense Minister Donald MacDonald. As you know, he is one of the most ambitious and intelligent political figures in Canada today and has heard all the arguments on both sides of the tear gas question. Needless to say, I am curious to see how Canada comes out on this. If they do the right thing, do you think there might be any substantial interest for the reconsideration of the British position?

I've written to Lord Lothian asking to see him when I am there.

My address in France will be: chez Madame Isnard
Les Terrasses
83 Ramatuelle FRANCE

With warm regards,

as ever,

11 HASKER STREET,
LONDON, S.W.3.

SZ/SN

13th September 1971.

Dear Matthew,

Thank you very much for the copy of the report and photographs, which arrived safely in Burnham Thorpe.

Have pictures such as yours ever been published?

Looking forward to seeing you on the 13th,

Yours ever,



Professor Matthew Meselson,
c/• Mme Isnard,
Les Terrasses,
83 Ramatuelle,
France.

26 October 1971

The Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn
Norfolk
ENGLAND

Dear Solly,

I enclose an article from the Boston Globe. The text, of course, was done by the Globe.

I do hope you have some luck in getting the information we discussed. It would be helpful to have it early next month.

I suppose you saw that President Nixon has designated a number of buildings at Fort Detrick for cancer research. Little by little the rest of the place will be ~~either~~ shut down or converted to other peaceable applications.

With warm regards,

as ever,

MM:mm
encl: k

THE SHOOTING BOX,
BURNHAM THORPE,
KINGS LYNN,
NORFOLK.

BURNHAM MARKET 359

PERSONAL & CONFIDENTIAL

29th November, 1971.

Dr. M. S. Meselson,
Professor of Biology,
Harvard University,
The Biological Laboratories,
16 Divinity Avenue,
Cambridge, Mass 02138,
U. S. A.

Dear *Nathaniel*,

Thank you for your card, and for the copy of Ignatieff's statement to the First Committee. The Canadians are making a useful step in the right direction.

I have had some trouble with the Roses. Heaven preserve us from our friends! There is a degree of naiveté about them which defies my experience.

I attach some pages from three recent issues of the Times Literary Supplement, at the end of the first of which I touched on the "Social Responsibility" movement. Originally, I included a couple of pages about the Roses and their attack on the Himsworth Report on the use of C.S. gas in Ulster. I removed it, however, before giving the lecture.

J. S. S.

ZUCKERMAN



1003 1073

The Zoological Society of London

Secretary: Professor Lord Zuckerman
OM, KCB, DSc, FRS

Regent's Park London NW1 4RY
01-722 3333

10th July 1973.

Dr Matthew Meselson,
Department of Biochemistry,
Harvard University,
Cambridge, Mass.
U.S.A.

Dear Matthew,

I hear you telephoned from the airport on your way through London to ask when I was going to be in the States.

I am due there in November to lecture at Caltech. The dates are not yet finalised, but nearer the time I will drop you a note in the hope that we can get together.

Lord Zuckerman.

THE SHOOTING BOX,
BURNHAM THORPE,
KINGS LYNN,
NORFOLK,
PE31 8HW.
BURNHAM MARKET 359

Dr. Matthew Messelson,
Biological Laboratories,
Harvard University,
Divinity Avenue
Cambridge, Mass.,
U.S.A.

3rd October, 1977

Dear Mat,

I am going to be in Cambridge, Mass.
from Wednesday, 9th to Friday, 11th November.
I very much hope there will be a chance for us
to get together. I should like to discuss with
you industrial hazards of the kind which Seveso
revealed.

Yours ever,

Soq.

Zuckerman

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES
16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

25 October 1977

The Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn, Norfolk PE31 8HW
ENGLAND

Dear Solly,

Please excuse my delay in responding to your letter of 3 October. Until now I have not been sure of my schedule for the second week in November. I will be here only on Wednesday, 9 November. Would you like to have lunch at 1:00 wither at the Harvard Faculty Club or downstairs ~~in the~~ cafe at the Ritz Hotel, whichever is more convenient for you?

With warm regards,

Sincerely,

Zuckerman

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES
16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

27 November 1977

The Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn, Norfolk PE31 5HW
ENGLAND

Dear Solly,

In response to your note of the 14th, I am not sure when I will next be in the U.K. Sydney Brenner told me a few days ago that he would invite me to participate in a meeting of the Royal Society on evolution. He has not yet organized the meeting, so everything is rather indefinite.

It was very good to see you in Cambridge and I will certainly try to make contact with you whenever I find myself in England.

With warm regards,

as ever,

Zuckerman

THE SHOOTING BOX,
BURNHAM THORPE,
KINGS LYNN,
NORFOLK,
PE31 8HW.
BURNHAM MARKET 359

3rd December, 1977

Dear Matt,

Thank you for your note of the 27th November. It now turns out that I am likely to be back in Cambridge, Mass., in the second week of January. If you are around we can spend more time together.

Yours ever,



Professor Matthew Messelson,
Harvard University,
The Biological Laboratories,
16 Divinity Avenue,
Cambridge,
Massachusetts 02138,
U.S.A.

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

23 January 1978

COPY

Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn
Norfolk
ENGLAND

Dear Lord Zuckerman,

I have located the following materials concerning yourself
in the papers of E.E. Cummings at Houghton Library:

- 46 letters from Solly Zuckerman to E.E. Cummings (1937-1962)
- 25 letters from Solly Zuckerman to Marion Cummings (1947-1968)
- 3 letters from Joan Zuckerman to Marion Cummings (not dated
as to year)
- 3 letters from E.E. Cummings to Solly Zuckerman (1950-1960)

Included in the letters from yourself to Cummings are two poems with
drawings and one story with drawings by your daughter, Stella, from
1955 and 1953, respectively, I believe.

If you would be kind enough to sign the enclosed form and
return it to me, I will have the above materials photocopied. You
specified in your letter to Dr. Meselson that you wished copies of
your letters to Cummings. If, in fact, you do not wish the letters
~~by~~ from ~~and~~ to others indicated above, please let me know.

Sincerely yours,

Michael A. McGrath
Secretary to M.S. Meselson

Enclosure

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES
16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

Zuckerman

17 October 1978

Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn
Norfolk PE31 8HW
ENGLAND

Dear Solly,

I will be in town during
the week of Monday, 6 November,
and look forward to seeing you
then.

With warm regards,

as ever,

Zuckerman

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

January 23, 1979

Lord Solly Zuckerman
The Shooting Box
Burnham Thorpe
Kings Lynn,
Norfolk PE31 8HW
ENGLAND

Dear Lord Zuckerman,

As you know, Dr. Meselson is doing research work this year at the California Institute of Technology until June 1979. He has directed me to respond to your recent letter concerning Charles Bott.

I have sent Mr. Bott catalogues and admissions forms for both the Sloan School and Harvard. I have let Mr. Bott know, and for your information, that there is no Business Administration major, *aper se*, at either school. The admissions persons I spoke with explained that at the undergraduate level a student interested in Business Administration will have to major in Economics.

Enclosed for your interest are the two catalogues I sent to Mr. Bott, minus the admissions forms and the very large course catalogue for Harvard. I have let Mr. Bott know that he may call or write to me for any assistance in making plans to visit Boston, or for any help I may be in applying to the schools.

Dr. Meselson will be speaking to a friend at the admissions department at Harvard to see if he may be of any help, and will contact you soon.

Sincerely yours,

Gianna Kramer
Secretary to M. Meselson

HARVARD UNIVERSITY
THE BIOLOGICAL LABORATORIES



16 DIVINITY AVENUE
CAMBRIDGE, MASSACHUSETTS 02138

May 21, 1979

Lord S. Zuckerman
The Shooting Box,
Burnham Thorpe,
Kings Lynn,
Norfolk.
Burnham Market 359

Dear Lord Zuckerman:

Your letter written on behalf of Ms. Wright requesting information on junior colleges here in the States has just reached my office. I am sorry to have to inform you that Ms. Gianna Kramer no longer works for Dr. Meselson; she moved to California last week and I have taken her place as Dr. Meselson's administrative assistant. Unfortunately, I can't offer any help to you regarding Ms. Wright's interest in applying to junior colleges in the South. I just wanted to write and let you know that your letter had not gone unnoticed.

Sincerely yours,

Claudia Mary Cusani
Administrative Assistant to
Dr. Meselson



THE UNIVERSITY OF SUSSEX
SCIENCE POLICY RESEARCH UNIT

MANTELL BUILDING FALMER BRIGHTON SUSSEX BN1 9RF U.K.

Telephone:
BRIGHTON (0273) 586758

The Lord Zuckerman
The Shooting Box
Burnham Thorpe
Kings Lynn
Norfolk.

16th July 1982.

Dear Solly,

You may like to know, if you do not already, of the provisions for a chemical disarmament convention presented by Gromyko at the UN Special Session last month. The part of greatest interest is their apparent acceptance of the need for 'systematic international on-site inspection'. See page 8 of the enclosed. Until now, the Soviets had agreed only to the quite different concept of inspection by challenge, with the challenged party having the right to refuse. The new feature is the acceptance of the term 'systematic'. In the bi-lateral chemical talks (suspended by the present administration), the US employed the term specifically to mean mandatory and continuous. (Continuity could be provided by resident inspectors or by instrumentation inspected periodically).

While it is true that the Soviets have agreed in the CTB talks to mandatory international inspection of explosions with greater than 150 kT yield, this is quite different from systematic inspection, since they could and presumably would avert any inspections at all simply by keeping yields below the threshold.

There still appear to be important deficiencies in the Soviet position. For example, systematic on-site international inspection is accepted for verification of the destruction of declared chemical weapons and agents but not for verification that the declared production facilities to be destroyed are actually CW facilities.

Still, it is most important that, for the first time since Krushchev's precarious and ill-fated offer of three inspections per year for a complete nuclear test ban, the Soviets are willing to consider regular on-site international inspection for an arms-control agreement. Someone advising Mrs. Thatcher seems to understand this, judging from the lines on page 7 of her 23rd June statement to the UN which is enclosed. There are contending views in the U.S. Government, some seriously interested but others simply derisive. What I wonder is if you can give encouragement here and on the Continent to taking the Soviet proposals seriously.

As ever

Matthew Meselson

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.
FAKENHAM (0328) 738359

Zuckerman

Professor Matthew Messelson,
The Biological Laboratories,
Harvard University
16 Divinity Avenue
Cambridge, Mass. 02138
U.S.A.

JAN 16 1985

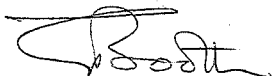
8th January, 1985

Dear Matt,

I have your letter of 18th December, which arrived just after Christmas. I shall see what I can do when I am next in London.

With all good wishes for 1985,

Yours ever,



p.p. Solly Zuckerman

p.s. Since I am snow-bound in this small village, I am dictating this letter over the telephone, and have asked my assistant to sign it on my behalf.

21 February, 1985

Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn,
Norfolk
ENGLAND

Dear Solly:

I received a telephone call from Porton this morning telling me that their Director has substantially changed his position regarding my memorandum.

You will recall from our own recent telephone conversation that in a call from Porton on 1 February, I was asked to revise my memo of 17 December, a copy of which you have. The requested revisions were read to me and I agreed to make them, since they did not alter the scientific content. I said I wished to give the revised memo to several persons in the U.S. Departments of Defense and State. I sent the revised memo to Porton (memo of 1 February enclosed).

But on the telephone today I was told that:

(1) The Director wants very substantial additional revisions. I have indicated some of them in red ink on the enclosed memo of 1 February. I was told that other requested revisions will follow in a letter from Porton. The new changes badly misrepresent the scientific content of what I was plainly and repeatedly told at Porton in November;

(2) If I circulate even the twice-revised memo, the Director will be obliged to notify the U.S. Government in such a manner that the U.S. may ask HMG to refrain from inviting me to Porton in future.

(3) A report on Porton's analysis of samples I had sent to them, which was to be provided to me, will not be provided.

The only thing that concerns me much in this crude foolishness is the indication that the Director's about-face, certainly an unwelcome duty for him, was ordered from London as part of a larger attempt to bury or soften the Porton report to Richard Norman and MOD. If this is so, governments on both sides of the Atlantic are being deprived of scientific information and evaluation in a matter of high international importance. I trouble you with this only because, if that is truly what is happening, you are the only person I know in the UK who might stop it. What I mean is nothing to do with my memo but rather that the Porton report of last year must have a chance to be read and understood at the appropriate levels of government both there and here.

Warm regards,

Enclosures

The only thing that concerns me much in this crude foolishness is the indication that the Director's about-face, certainly an unwelcome duty for him, was ordered from London as part of a larger attempt to bury or soften the Porton report to Richard Norman and MOD. If this is so, governments on both sides of the Atlantic are being deprived of scientific information and evaluation in a matter of high international importance. I trouble you with this only because, if that is truly what is happening, you are the only person I know in the UK who might stop it. What I mean is nothing to do with my memo but rather that the Porton report of last year must have a chance to be read and understood at the appropriate levels of government both there and here.

Warm regards,

Enclosures: Memo of 1 February, 1985 (revised 12/17/84 memo)
Mirocha/Cohen letter to Nature (1/24/85)
Meselson letter to Nature (2/22/85)
~~Meselson letter to Mirocha/Cohen (10/19/83)~~

Memo of 17 Dec.
P Feb.

REFERENCE

Yellow Rain - Separating Fact From Fiction (U)
Dr. Sharon A. Watson
ACSI Task: 84-056
AFMIC (Armed Forces Medical Intelligence Center)
18 June, 1984.

Classified SECRET

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY
HARVARD UNIVERSITY

Zuckerman



7 Divinity Avenue
Cambridge, Massachusetts 02138

22 March, 1985

Lord Zuckerman of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn,
Norfolk
ENGLAND

Dear Solly:

Last week I inquired at the State Department about the disposition of the Porton report regarding alleged chemical warfare in Southeast Asia. I was told that the report has been requested but has not yet been received. I will let you know if I learn that the report has finally come across.

The problem with my memo has been ingeniously solved by Porton suggesting to me that, in fact, no memo exists! In other words, it is not to circulate. By all indications, full cordiality is restored.

UK officials wishing to see the latest US report giving the case of those who believe that trichothecene warfare has occurred in Southeast Asia might wish to request through appropriate channels the document cited in the enclosed reference.

I also enclose a letter to Nature which you will have seen and our reply which I hope will be published soon.

As ever,

Enclosures

REFERENCE

Yellow Rain - Separating Fact From Fiction (U)
Dr. Sharon A. Watson
ACSI Task: 84-056
AFMIC (Armed Forces Medical Intelligence Center)
18 June, 1984.

Classified SECRET

Zeldman

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.

FAKENHAM (0328) 738359

Professor Matthew Meselson,
Department of Biochemistry and Molecular Biology
Harvard University
7 Divinity Avenue
Cambridge, Mass. 02138
U.S.A.

25th March, 1985

MAR 29 1985

Dear Matt,

I tried to get hold of you when in Cambridge last week, but without success. This is maddening since I now have in my hands your letter of 21st February with its disconcerting news. What is so funny about the suggested changes in para.1 of the memorandum is that no mention was made of what, if anything, was found in those samples not grouped together as "some". I think I had better do what I would not normally do, and ask Norman to come over and see me in the Cabinet Office. You haven't, however, told me what further revisions Porton is calling for.

John
Sney

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.
FAKENHAM (0328) 738359

Zuckerman
SEP 10 1985

Professor Matthew Meselson,
Department of Biochemistry and Molecular Biology
Harvard University
7 Divinity Avenue
Cambridge, Mass. 02138
U.S.A.

3rd September, 1985

Dear Matt,

Thank you for the two copies of your Scientific American article — most impressive, most convincing. I have spoken to Norman in MoD, but he simply refuses to make any move about Porton. I will try again.

*John...
5/4*

Zuckerman

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.
FAKENHAM (0328) 738359

Professor Matthew Meselson,
Department of Biochemistry
Harvard University
7 Divinity Avenue
Cambridge, Mass 02138
U.S.A.

4th November, 1985

Dear Matt,

I have followed your advice, and the letter which I have sent forward refers to the yellow rain problem in only a general way, but one which may inspire its recipient to seek information. My memo was mainly concerned with my criticisms of an official paper which the UK tabled in Geneva about the CTB. Do please keep me informed about what John Maddox does.

John,
Sibly

cbw

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.
FAKENHAM (0328) 738359

Prorfessor Matthew Meselson,
Department of Biochemistry and Molecular Biology
Harvard University
7 Divinity Avenue
Cambridge, Mass 02138
U.S.A.

27th May, 1986

Dear Matt,

I suppose you saw the attached piece in this week's issue of the New Scientist? As I don't read the Commons Hansard (and only a bit of the Lords'), do you know whether the Labour Party in the Lords is going to take the matter up?

I am going to be in Washington at the end of June, and it is possible that I might come up to MIT for 24 hours in the week beginning June 30th.

Yours ever,



for

Solly

[dictated by Lord Zuckerman
and signed in his absence from
the office]

June 3, 1986

The Lord Zuckerman
of Burnham Thorpe
The Shooting Box
Burnham Thorpe
King's Lynn
Norfolk
ENGLAND

Dear Solly,

Here is the Commons Hansard for May 19 with the question about mycotoxins. There is certainly room for more and better Parliamentary questions about yellow rain, etc.

I include some additional items.

Unfortunately I will miss you this time in the States, since I will be travelling then.

As ever,

Matthew

W1
Zuckerman

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK.
FAKENHAM (0328) 738359

Professor Matthew Meselson,
Biochemistry and Molecular Biology
Harvard University
7 Divinity Avenue
Cambridge, MA 02138
U.S.A

27th October, 1987

Dear Matt,

Thank you so much for sending me an off-print of your article about the collapse of the yellow-rain story. I only wish that the general lesson that it conveys were applied to other aspects of US military intelligence.

I was in Boston for a couple of nights at the beginning of the month, and was very sad that there wasn't time to get in touch with you. Maybe you weren't there anyhow.

All good wishes,

Yours ever,

Sally

Zuckerman

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK,
PE31 8HW.
FAKENHAM (0328) 738359

AUG 1 0 1989

Professor Matthew Meselson
Department of Biochemistry
and Molecular Biology
Harvard University
Cambridge, MA 02138
U.S.A.

31st July, 1989

Dear Matt,

Thank you so much for sending me your paper about the Prospects for a CW Weapons Disarmament Treaty. I hope to heavens that one is concluded.

All good wishes to both of you,

*James,
Silly*

Zuckerman

THE SHOOTING BOX,
BURNHAM THORPE,
KING'S LYNN,
NORFOLK,
PE31 8HW.
FAKENHAM (0328) 738359

Professor Matthew Meselson,
Department of Biochemistry
Harvard University
7 Divinity Avenue
Cambridge, Mass 02138
U.S.A.

8th January 1990

Dear Matt,

Thank you so much for the copy of your piece about the CW negotiations. I thought it excellent and propose to send it on to our present Chief of the Defence Staff, Air Chief Marshal Sir David Craig who is personally concerned in the Vienna negotiations. I wish I had had your letter when he dined with us (he is a Norfolk week-ender) last week. He struck me as being a pretty sensible man.

I think it is fantastic that we in the UK are prepared to outbid the CIA's estimate of the USSR's stockpile.

All good wishes to you and Jeanne from Joan and myself.

*Joan,
Peter*

JAN 19 1990

JAN 19 1990