

The RAND Corporation

1700 MAIN ST. • SANTA MONICA • CALIFORNIA 90406

11 March 1970

L-5127

Mr. David E. Brown
18 Center Street
Cambridge, Massachusetts 02138

Dear Dave:

Enjoyed seeing you again at the Carnegie CBW group session,
and appreciate the difficulties with which you have to wrestle.

In assessing the negative impact on pacification (primarily
on rural attitudes of defoliant/herbicide operations) I hope
you will balance this against the indirect benefits of paci-
fication from greater security, not least to roads and waterways.
Unfortunately, there is no adequate basis for comparison, but
my hunch would be that the security benefits to pacification
largely balance out the negative aspects described in your paper.

My reason for writing is to enclose an article from the *Los
Angeles Times*, which you might not otherwise see. It is interesting
how, when cutbacks are required, you get a sense of program priorities
from what gets cut back first. I also suspect that the controversial
nature of the program was at least a secondary consideration.

Sincerely,



R. W. Komer

Wed
Mar 11
1970

RWK:mv

Enclosure

CBU
(Mail office)

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

November 16, 1970.

Mr. Narindā Aggarwala
Carnegie Endowment for International Peace
United Nations Plaza at 46th Street
New York, N. Y. 10017

Dear Mr. Aggarwala,

Thank you for sending me the edited text of "The Military Value and Political Implications of the Use of Riot Control Agents in Warfare". With one exception, all of the editorial changes improve the readability of the manuscript without interfering with the meaning. The exception occurs at the bottom of page seventeen and the top of page eighteen. You will notice the distortion of meaning if you compare the edited sentence with the next paragraph. I suggest that you leave the last sentence at the bottom of page seventeen and the ~~first full~~ sentence at the top of page eighteen as they were in the original text.

Regarding the seven questions about the text that accompanied your letter, I have the following comments

Page 3, footnote 3: As now indicated in the text the initials of Fries and West are A. A. and C. J. respectively.

Page 7, first paragraph, under III: Although the initial development of CS as a riot control agent was carried out in the United Kingdom in the early 1950s, as described in the text, it is true that the first report of the synthesis of CS came from the United States in 1928. Indeed the symbol CS was invented by the British but refers to the names of the organic chemists at Middlebury College, Vermont who first synthesized the compound in 1928. Their names were Ben Corson and Roger Staughton. In view of this history, I suggest that the first sentence under III be altered to read as follows:

The initial development of CS as a riot control agent was carried out in the United Kingdom in the early 1950s. The compound was named after B. B. Corson and R. W. Staughton the American chemists who first reported its synthesis in 1928. The technology was soon transmitted...

Page 12, second line: The word "staffs" is correct. It refers to staffs attached to each of several divisions in Vietnam.

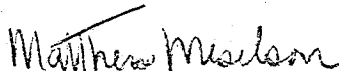
Page 13, footnote 6: The correct reference to this circular is Employment of Riot Control Agents, Flame, Smoke, Anti-Plant Agents, and Personnel Detectors Encounter Guerilla Operations, U. S. Department of the Army, April 1969 (Training Circular TC 3-16).

Page 18, first line: "Nth division" means a certain division.

Page 27 : "chemical officers" is an accepted term.

On the accompanying pages I list a number of additional editorial changes and minor corrections.

Sincerely yours,



Matthew Meselson

MM:ag

Copies to:

Mr. Stuart Blumenfeld

Dr. Herbert Scoville

Additions and Corrections to
"The Military Value and Political Implications of the
Use of Riot Control Agents in Warfare"

1. Page 1, paragraph 1, line 5: Replace this line with ...reaffirm that the U.S. would not use lethal chemicals except in retaliation...
2. Page 3, paragraph 1, line 2: Replace the sentence beginning there with "the chemicals first employed in World War I..."
3. Page 7, table I: It would be helpful to add to the table the total amount of all forms of CS procured for each fiscal year.
4. Page 10, paragraph 2, line 3: The word ...other... before the word...forces... should be deleted.
5. Page 14, paragraph 3, the last two sentences of the paragraph should be deleted. The sentence now ending the paragraph should be changed to read as follows:
Its smoke-like visibility serves to disclose hidden openings to caves and tunnels although ordinary smoke grenades will serve the same purpose.
6. Page 16, paragraph 3, line 4: The penciled word "higher" should instead be ...high...
7. Page 19, paragraph 4, last line: The following sentence should be added:
Also there are cases in which civilians either enter or fail to evacuate a "free fire" zone, knowingly or not, and fall victim to artillery fire or air strikes.
8. Page 21, paragraph 2: All of the paragraph after the second sentence should be deleted.
9. Page 24, paragraph 3: The first sentence should be changed to read,
CS has found considerable acceptance in Vietnam as a military weapon useful in certain situations.
10. Page 25, paragraph 1: The first line in the paragraph should be changed to read...known how effective CS has been in the overall context of the war. In a sense...
11. Page 25, paragraph 2: The part of the paragraph following the first sentence should be replaced with the following:
The great preponderance of a sample of U.S. troops interviewed in the field in 1968 (who had been in operations in which CS was used) responded with some enthusiasm. Only a few believed it did not contribute to their combat

capability. However, by 1970 there were indications that the troops were less enthusiastic about the value of CS, possibly because of changes in the nature of the war and the tactics of the enemy. Still, these observations, although unquantified, must be construed to support the conclusion that CS possesses significant military worth, at least in certain situations that have occurred in the Vietnam war.

12. Page 26, paragraph 1: Last sentence should be changed to read, "This, of course does not square with the impression of U. S. troops who feel that they use CS to good effect against the enemy."
13. Page 28, paragraph 2: The sentence ending at the bottom of the page and continuing on to page 29 should be deleted. Instead insert the following:
In many situations lethal chemical weapons would favor guerilla forces. Such forces generally have no shortage of targets. They know the locations of military instalations such as base camps and support facilities. Their problem is their great inferiority in fire power. For anti guerilla forces, the reverse is usually true, their main tactical problem being location of the enemy. In this situation, any major enhancement of the area coverage of light weight weapons disproportionately favors less sophisticated forces operating in smaller units and capable of dispersing or mingling with the civilian population. Moreover, the proliferation of lethal chemical weapons....(continue with the remainder of paragraph one on page 29).
14. Page 29, paragraph 2: The sentence "It should further be noted that analysis and planning for..." should begin a new paragraph.
15. Page 35, paragraph 1: The third sentence should be revised to read: Riot control agents also provide the potential for reducing civilian casualties in situations where military and civilians are intermingled, although this has not occurred nearly as frequently in Vietnam as originally anticipated.
16. Page 35, paragraph 2, second sentence: The sentence should be revised to read "As the United States continues to use CS, the forces of opposing nations will develop defensive tactics..."

1 December 1970

Dear Mr. Meselson:

Enclosed are the additional promotion pieces you requested.

As one of the authors of The Control of Chemical and Biological Weapons, you are entitled to ten complimentary copies of the book. When the book arrives later this month I can forward all ten copies directly to you or if you prefer, you may send me the names of people you wish to receive complimentary copies in your name.

If you have any suggestions concerning copies for review, please send them to me. The promotion has been sent to all members of Congress and we plan to send complimentary copies to some members of the Senate Foreign Relations Committee, House Foreign Affairs Committee, and the Senate and House Armed Services Committees.

If you have any requests in the future, please feel free to contact me any time.

Sincerely,



(Mrs) Pamela Obando
Promotion and Circulation

Mr. Matthew Meselson
American Association for the Advancement of Science
Botanical Museum
Harvard University
Cambridge, Mass. 02138

December 23, 1970

Mrs. Pamela Obando
Promotion and Circulation
Carnegie Endowment for
International Peace
United Nations Plaza at 46th Street
New York 17, New York

Dear Mrs. Obando:

In response to your letter of December 1 regarding complimentary copies and review suggestions, I am enclosing two attachments of names and addresses. If there are any questions, please contact me or my secretary, Miss Mattson.

Sincerely,

Matthew Meselson

MM:mcm
Attachments

Attachment 1: Copies for Review (from Matthew Meselson)

Mr. John Maddox
Nature Magazine
Macmillan Ltd.
Little Essex Street
London, W.C.2, England

Mr. John Walsh
Editor, Science Magazine
1515 Mass. Ave., N.W.
Washington, D. C. 20005

Mr. Robert Manning
Atlantic Monthly
8 Arlington Street
Boston, Massachusetts

Mr. Richard Lewis
Bulletin of the Atomic Scientists
935 East 60th Street
Chicago, Illinois 60637

Mr. Dennis Flanagan, Editor
Scientific American
415 Madison Avenue
New York 17, New York

Saturday Review
New York Sunday Times Book Section
Chicago Sun Times--Book Week
Esquire
Life
Washington Post
St. Louis Post Dispatch
London Times
The Observer
Economist
New Statesman
Toronto Globe and Mail

Attachment 2: Complimentary Copies (from Matthew Meselson)

Mr. Julian Perry-Robinson
SIPRI
Sveavagen 166
113 46 Stockholm
Sweden

Mr. Derek Viney
British Broadcasting Corporation
Bush House
London, W^oC^o2, England

Mr. Michael A. Guhin
National Security Council Staff
Executive Offices of the President
Washington, D. C.

Prof. Robert Ranger
Visiting Lecturer in Strategic Studies
Department of Political Studies
Queen's University
Kingston, Ontario, Canada

Mr. William Epstein
Director, Disarmament Affairs Division
U. N. Disarmament Staff
United Nations Building, Rm. 3570
New York, New York

Senator William Fulbright
United States Senate
Washington, D. C.

Senator Thomas J. McIntyre
Suite 342
United States Senate
Washington, D. C.

The Rt. Hon. Philip Noel-Baker
16 South Eaton Place
London, S.W.1, England

Sir Solly Zuckerman
The Zoological Society of London
Regents Park
London, N.W.1, England

H. E. Mr. Max Jakobson
Ambassador Extraordinary
and Plenipotentiary
Permanent Representative to
the United Nations
United Nations
New York, New York 10017

Mr. Albert E. Hayward
Asst. Director, Chemical Technology
Room 3D129
The Pentagon
Washington, D. C. 20310

December 23, 1970

Mr. Richard Lewis
Bulletin of the Atomic Scientists
935 East 60th Street
Chicago, Illinois 60637

Dear Mr. Lewis:

I'm sending for your information an announcement of a forthcoming publication of the Carnegie Endowment for International Peace on "The Control of Chemical and Biological Weapons." I have requested them to send you a copy when they become available in early January.

With best wishes for the coming year.

Sincerely,

Matthew Meselson

MM:mcm
Enclosure

December 29, 1970

Mr. John Maddox
Nature Magazine
MacMillan Ltd.
Little Essex Street
London, W.C.2, England

Dear John:

I'm sending for your information an announcement of a forthcoming publication of the Carnegie Endowment for International Peace on "The Control of Chemical and Biological Weapons." I have requested them to send you a copy when they become available in early January.

With best wishes for the coming year.

Sincerely,

Matthew Meselson

MM:mcm
Enclosure

December 23, 1970

Mr. Robert Manning
Atlantic Monthly
8 Arlington Street
Boston, Massachusetts

Dear Bob:

I'm sending for your information an announcement of a forthcoming publication of the Carnegie Endowment for International Peace on "The Control of Chemical and Biological Weapons." I have requested them to send you a copy when they become available in early January.

With best wishes for the coming year.

Sincerely,

Matthew Meselson

MM:mcm
Enclosure

December 23, 1970

Mr. John Walsh
Editor, Science Magazine
1515 Mass. Ave., N.W.
Washington, D. C. 20005

Dear Mr. Walsh:

I'm sending for your information an announcement of a forthcoming publication of the Carnegie Endowment for International Peace on "The Control of Chemical and Biological Weapons." I have requested them to send you a copy when they become available in early January.

With best wishes for the coming year.

Sincerelyyyours,

Matthew Meselson

MM:mcm
Enclosure

December 11, 1970

Mr. Howard Simon
Managing Editor
The Washington Post
515 L Street, N.W.
Washington, D. C. 20005

Dear Howard:

As you've probably heard I was in town on Tuesday and tried to reach you but found that you were secluded somewhere in New York. I wanted to see you about two things, one of which will have to wait until I get down again--possibly within a week or so.

The other is to let you know about the forthcoming Carnegie Endowment Study of "The Control of Chemical and Biological Weapons." I enclose an announcement. More specifically, I wish to suggest you look at the enclosed comment for the Carnegie Symposium by Paul Doty. Do you think the Post might be interested in running it as an outside editorial.

With warm regards.

As ever,

Matthew Meselson

P1 P1 18 ... to seek Senate approval for ²¹² justification ...
P2 P6 12 ... sanctioning ...
P3 P2 14 ... who first reported ...
R : - ext 53 -
A : - ext 58 -

1 December 1970

Dear Mr. Meselson:

Enclosed are the galleys of your article. The footnotes will be sent to you as soon as we receive them from the printer later this week.

We would appreciate having your comments or questions as quickly as possible. Please realize that these galleys have not been proofread.

A set of galleys has also been sent to Mr. Blumenfeld.

If you have no changes, I hope you will be good enough to call Mr. Aggarwala to let him know. If there are no changes, there is no reason for you to return the galleys to us.

Sincerely yours,

Patricia Rambach
(Mrs.) Patricia Rambach
Editor-in-Chief

Mr. Matthew Meselson
The Biological Laboratories
Harvard University
Cambridge, Mass. 02138

December 11, 1970

Mrs. Patricia Rambach
Editor-in-Chief
Carnegie Endowment for International Peace
United Nations Plaza at 46th Street
New York, New York 10017

Dear Mrs. Rambach:

Dr. Meselson asked me to indicate the following corrections in his manuscript:

page 1, paragraph 1, line 8: . . . to seek Senate
approval for ratification . . .
page 2, paragraph 6, line 2: . . . sanctioning . . .
page 3, paragraph 2, line 4: . . . who first
reported . . .

I am enclosing the galley proofs you left with us
on Tuesday. Incidentally, the footnotes are fine.

Sincerely,

M. Christine Mattson
Secretary to Dr. Meselson

WORLD HEALTH
ORGANIZATION



ORGANISATION MONDIALE
DE LA SANTÉ

1211 GENEVA 27 - SWITZERLAND
Telegr.: UNISANTE-Geneva

Tél. 34 60 61 Télex. 22335

1211 GENÈVE 27 - SUISSE
Télégr.: UNISANTÉ-Genève

7 April 1970

In reply please refer to: PI
Prière de rappeler la référence:

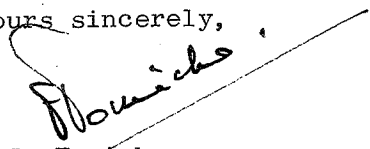
Dear Professor Meselson,

I was very glad to learn from Mr Handler that you are willing to do an article for World Health on chemical and biological warfare. I think Mr Handler indicated to you that the article should be between 2,500 - 3,000 words and that the deadline is May 10. I believe Mr Handler also indicated that we can pay a token fee of \$200 for this piece.

Your collaboration in this issue of World Health will be precious since this is such an important subject.

With many thanks.

Yours sincerely,


F.J. Tomiche
Chief, Press and Publications
Division of Public Information

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