NATIONAL SECURITY COUNCIL

3725 X

SECRET/SENSITIVE

August 28, 1974

MEMORANDUM FOR:

SECRETARY KISSINGER

FROM:

Jeanne W. Dav

SUBJECT:

Minutes of the SRG Meeting held

August 28, 1974

Attached are the minutes of the Senior Review Group meeting held August 28, 1974, to discuss Possible International Restraints on Environmental Warfare.

cc: Lt. Gen. Brent Scowcroft
Dr. David Elliott
Richard Kennedy
A. D. Clift

Attachments

SECRET/SENSITIVE/XGDS

DECLASSIFIED

E.O. 12958, SEC. 3.5

NSC MEMO, 11/24/98, STATE DEPT. GUIDELINES

BY NAPA DATE 12/21/05



## SENIOR REVIEW GROUP MEETING

August 28, 1974

10:37 a.m. - 10:57 a.m., White House Situation Room Time and Place:

Possible International Restraints on Environmental Warfare Subject:

Participants:

Henry A. Kissinger ACDA: Dr. Fred Ikle Chairman:

Robert Miller Robert Ingersoll Thomas Davies State:

Wreatham Gathright Helmut Sonnenfeldt

Staff: William Clements Defense: Lt. Gen. Brent Scowcroft

> Robert Ellsworth Dr. David Elliott Maj. Gen. W.Y. Smith Michael Guhin

Col. Clinton Granger

NSC

Lt. Gen. John Pauly James G. Barnum JCS:

Lt. Gen. Vernon Walters CIA:

## SUMMARY OF CONCLUSIONS

It was agreed that:

-- The Working Group would draw up a negotiating scenario based on two premises: (1) that we would accept prohibitions on any military use of environmental modification techniques having long-term, widespread or especially severe effects (Option 2); and (2) that we would accept prohibitions on all military use of such techniques for hostile purposes (Option 3).

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Dr. Ikle: I guess I should start at the latest development, the Soviet UN resolution, which calls for a broad agreement that would prohibit influencing the environment and climate for military and any other purposes incompatible with the maintenance of international security. This, of course, came after our joint agreement at the Moscow Summit. Prior to the Joint Communique, the interagency study came out with three basic options: (1) that there would be no restraints on military use of environmental warfare; (2) that there would be prohibitions on military use of environmental modification techniques if they have long-term, widespread, or especially severe effects; and (3) broad prohibitions against all military use of such techniques. As I see it, there are only two issues we need to discuss: (1) what are the various positions on the three options, and (2) how should we handle the diplomatic part—the negotiations—coming up in October—and the Soviet's UN resolution.

Secretary Kissinger: I'm less worried about the UN than I am about how to handle the bilateral negotiations with the Soviets. What I would like somebody to explain to me is OSD's position. Would it be unfair to say that OSD would rule out options one and three?

Mr. Clements: Henry, what bothers us--what is at issue now--is that we have no idea of Soviet capabilities and intentions in this field. We just don't understand what their point is in wanting restraints on environmental warfare.

Secretary Kissinger: Well, it seems to me that it is this--that they want it all banned. I guess you could argue that they are beginning to think about the consequences of no restraints on such type of warfare and that they are sincerely concerned. You could argue that they don't want an agreement. But, the fact is that we are committed to bilateral negotiations on this thing. What is it that OSD objects to in Option Three? What is Option Two banning? How does Option One differ from the others?

Mr. Clements: Well, we feel that the Soviet decision to have bilateral talks has really preempted Option One.

Secretary Kissinger: This is true if you preclude it as an outcome of negotiations. But, what I'd like to get to--how is Option Two different from Option One?

Mr. Ellsworth: What Option Two does is prohibit the use of such things as earthquakes and tidal waves--that type of thing. Most of those things we're talking about in Option Two we don't have the capability or technology to do anyway.

Mr. Ingersoll: We can create earthquakes.

Secretary Kissinger: Not really. I remember all that fuss about the underground explosion in the Aleutians. Everybody thought that would create earthquakes, and it never happened.

Mr. Miller: Basically, Option Two would prohibit actions that would have long-term applications.

Secretary Kissinger: I know, but that's all double-talk. Just what sort of things would be prohibited under Option Two?

Mr. Ingersoll: Things that we don't know much about right now. I mean, tidal waves and those sorts of things we can't do. We're just speculating on things that we might be able to do in the years to come.

Secretary Kissinger: Then we are talking about things that we are not presently capable of doing.

Mr. Ingersoll: That's right, except for earthquakes.

Mr. Miller: And we can't do that unless the enemy moves onto the fault first!

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Secretary Kissinger: Just for my own education, is it possible to start an earthquake here and have it produce results somewhere else? I mean, you can't start an earthquake in Nevada and send it to Siberia, can you?

Mr. Ellsworth: No, you can't.

Gen. Pauly: The military utility of such an action is questionable anyway.

Mr. Clements: Earthquakes are disruptive things, Henry. They create a lot of havoc under the ground. They shear off oil drilling equipment, pipes, that sort of thing. Besides, they have to occur where there is a fault, like San Andreas.

Secretary Kissinger: Then you would have to get close to create an earthquake, no?

Mr. Clements: That's right, right on the spot.

Secretary Kissinger: We'd have to do it in Siberia then?

Mr. Clements: Yes.

Secretary Kissinger: Well, in this case, it seems a pity to me to ask for a bunch of studies just to have to give them up later. How do we conduct the negotiations with the Russians? How does OSD understand the options?

Mr. Clements: Our problem is that we don't understand the Russian motivation for an agreement.

Secretary Kissinger: I can understand their motivation. Number one, they probably wanted something to sign at the Summit. Number two, their technology is behind ours in almost all fields. They just might be worried about what we are doing and this would be a way to find out. Number three, they might be on to something and they want to prevent us from following them into it. Which of the three, I don't know, but I would think it would be one of the first two. That's just a gut feeling. Hal (Mr. Sonnenfeldt) what do you think?

Mr. Sonnenfeldt: Well, first I think they are under some pressure to think about twenty years from now. No more than us, they don't want to spend billions of dollars on projects that may have no application. I think they must be doing some work of some kind on weather modification that we don't know about.

Secretary Kissinger: Clearly. Does Option Three prevent everything?

Mr. Ingersoll: Only techniques intended for hostile purposes.

Gen. Walters: And that is difficult to verify.

Secretary Kissinger: It seems to me that in peacetime there is no

difference between Options Two and Three. In wartime, yes.

Mr. Clements: Yes, that's right.

Secretary Kissinger: Well, whatever options we present to the President for decision, the operational results would not show up until there is a war, anyway. Research and development could go forward.

Mr. Ingersoll: It's impossible to distinguish whether research and development are being used for peaceful purposes or war in this circumstance.

Secretary Kissinger: In the event of a major war, I think we would have to reassess our position. I think they would too. Would someone here write a negotiating scenario that we can give the President. I think that Option One is excluded, we really have to decide only between Option Two or Three. Option Three is easy, it prohibits everything. Option Two centers on military uses that would not be prohibited. What we need is clearer instructions for our delegation.

Mr. Clements: We can work up the scenario.

Secretary Kissinger: Do we have a working group? Let's have the working group do this and have it in a couple of days. Then I can move it on up to the President for decision. I'd like a negotiating scenario to send along.

As I understand it, the OSD option prohibits long-term uses of technical means to change the environment. The State and ACDA option would prohibit all hostile uses. Both positions permit research and development. The practical differences are really quite negligible.

Dr. Ikle: Would you like to consider the Russian UN resolution in the scenario?

Secretary Kissinger: Frankly, the bilateral negotiations are being used as a device to block discussion of this issue at the UN. We want to get that into a UN study group or something. So, we really won't face the UN problem. Okay, thank you.

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State: Robert Ingersoll Robert Miller
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Helmut Sonnenfeldt NSC

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### MEMORANDUM

### NATIONAL SECURITY COUNCIL

· August 28, 1974

### MEMORANDUM FOR THE WHITE HOUSE POLICE

The following list of officials will be attending a meeting this morning at 10:30 a.m., in the White House Situation Room:

State: Robert Ingersoll

Helmut Sonnenfeldt -

Wreatham Gathright

Defense: William Clements

Robert Ellsworth

Maj. Gen. W.Y. Smith

JCS: Lt. Gen. John Pauly

CIA: Lt. Gen. Vernon Walters

ACDA: Dr. Fred Ikle V

Robert Miller V
Thomas Davies

NOTE: Gen. Brown (JCS) is out of town and Mr. Colby is on leave.

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SRG - Possible International Restrainss on En Warfare 28 August 1974 10:37 - 10:57 a.m.

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SRG - Possible International Restrainss on Environmental

Warfare 28 August 1974 10:37 - 10:57 a.m.

MEMORANDUM

NATIONAL SECURITY COUNCIL

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SECRET/SENSITIVE

August 28, 1974

MEMORANDUM FOR:

SECRETARY KISSINGER

FROM:

Jeanne W. Dav

SUBJECT:

Minutes of the SRG Meeting held August 28, 1974

Attached are the minutes of the Senior Review Group meeting held August 28, 1974, to discuss Possible International Restraints on Environmental Warfare.

cc: Lt. Gen. Brent Scowcroft
Dr. David Elliott
Richard Kennedy
A. D. Clift

Attachments

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BY MARA DATE 12/21/05



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SRG - Possible International Restrainss on Environmental

Warfare

28 August 1974 10:37 - 10:57 a.m.

#### SECRET/SENSITIVE

#### SENIOR REVIEW GROUP MEETING

August 28, 1974

Time and Place: 10:37 a.m. - 10:57 a.m., White House Situation Room

Subject: Possible International Restraints on Environmental Warfare

Participants:

Chairman: Henry A. Kissinger ACDA: Dr. Fred Ikle

Robert Miller
State: Robert Ingersoll Thomas Davie

State: Robert Ingersoll Thomas Davies
Wreatham Gathright
Helmut Sonnenfeldt NSC

Defense: William Clements Staff:

<u>efense:</u> William Clements Staff: Lt. Gen. Brent Scowcroft
Robert Ellsworth Dr. David Elliott

Maj. Gen. W. Y. Smith Michael Guhin

JCS: Col. Clinton Granger

JCS: James G. Barnum

CIA: Lt. Gen. Vernon Walters

#### SUMMARY OF CONCLUSIONS

It was agreed that:

--The Working Group would draw up a negotiating scenario based on two premises: (1) that we would accept prohibitions on any military use of environmental modification techniques having long-term, widespread or especially severe effects (Option 2); and (2) that we would accept prohibitions on all military use of such techniques for hostile purposes (Option 3).

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BY NARA. DATE 12/21/05



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Warfare 28 August 1974 10:37 - 10:57 a.m.

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Secretary Kissinger: The subject of today's meeting is environmental warfare. I don't think this will be a long meeting. What I would like to do is clarify the major positions—see what they are—and then get your judgment as to whether we can send them forward to the President by memo for decision or whether we need an NSC meeting. My instincts are that we can probably do it by memo, but I have no fixed opinion on that. Fred (Dr. Ikle) would you like to sum up the situation?

Dr. Ikle: I guess I should start at the latest development, the Soviet UN resolution, which calls for a broad agreement that would prohibit influencing the environment and climate for military and any other purposes incompatible with the maintenance of international security. This, of course, came after our joint agreement at the Moscow Summit. Prior to the Joint Communique, the interagency study came out with three basic options: (1) that there would be no restraints on military use of environmental warfare; (2) that there would be prohibitions on military use of environmental modification techniques if they have long-term, widespread, or especially severe effects; and (3) broad prohibitions against all military use of such techniques. As I see it, there are only two issues we need to discuss: (1) what are the various positions on the three options, and (2) how should we handle the diplomatic part—the negotiations coming up in October—and the Soviet's UN resolution.

Secretary Kissinger: I'm less worried about the UN than I am about how to handle the bilateral negotiations with the Soviets. What I would like somebody to explain to me is OSD's position. Would it be unfair to say that OSD would rule out options one and three?

Mr. Clements: Henry, what bothers us--what is at issue now--is that we have no idea of Soviet capabilities and intentions in this field. We just don't understand what their point is in wanting restraints on environmental warfare.

Secretary Kissinger: Well, it seems to me that it is this--that they want it all banned. I guess you could argue that they are beginning to think about the consequences of no restraints on such type of warfare and that they are sincerely concerned. You could argue that they don't want an agreement. But, the fact is that we are committed to bilateral negotiations on this thing. What is it that OSD objects to in Option Three? What is Option Two banning? How does Option One differ from the others?

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Mr. Clements: Well, we feel that the Soviet decision to have bilateral talks has really preempted Option One.

Secretary Kissinger: This is true if you preclude it as an outcome of negotiations. But, what I'd like to get to--how is Option Two different from Option One?

Mr. Ellsworth: What Option Two does is prohibit the use of such things as earthquakes and tidal waves -- that type of thing. Most of those things we're talking about in Option Two we don't have the capability or technology to do anyway.

Mr. Ingersoll: We can create earthquakes.

Secretary Kissinger: Not really. I remember all that fuss about the underground explosion in the Aleutians. Everybody thought that would create earthquakes, and it never happened.

Mr. Miller: Basically, Option Two would prohibit actions that would have long-term applications.

Secretary Kissinger: I know, but that's all double-talk. Just what sort of things would be prohibited under Option Two?

Mr. Ingersoll: Things that we don't know much about right now. I mean, tidal waves and those sorts of things we can't do. We're just speculating on things that we might be able to do in the years to come.

Secretary Kissinger: Then we are talking about things that we are not presently capable of doing.

Mr. Ingersoll: That's right, except for earthquakes.

Mr. Miller: And we can't do that unless the enemy moves onto the fault first!

Mr. Ingersoll: Well, we really don't know what we can do yet.

Secretary Kissinger: Just for my own education, is it possible to start an earthquake here and have it produce results somewhere else? I mean, you can't start an earthquake in Nevada and send it to Siberia, can you?

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#### SECRET/SENSITIVE

Mr. Ellsworth: No, you can't.

Gen. Pauly: The military utility of such an action is questionable anyway.

Mr. Clements: Earthquakes are disruptive things, Henry. They create a lot of havoc under the ground. They shear off oil drilling equipment, pipes, that sort of thing. Besides, they have to occur where there is a fault, like San Andreas.

Secretary Kissinger: Then you would have to get close to create an earthquake, no?

Mr. Clements: That's right, right on the spot.

Secretary Kissinger: We'd have to do it in Siberia then?

Mr. Clements: Yes.

Secretary Kissinger: Well, in this case, it seems a pity to me to ask for a bunch of studies just to have to give them up later. How do we conduct the negotiations with the Russians? How does OSD understand the options?

Mr. Clements: Our problem is that we don't understand the Russian motivation for an agreement.

Secretary Kissinger: I can understand their motivation. Number one, they probably wanted something to sign at the Summit. Number two, their technology is behind ours in almost all fields. They just might be worried about what we are doing and this would be a way to find out. Number three, they might be on to something and they want to prevent us from following them into it. Which of the three, I don't know, but I would think it would be one of the first two. That's just a gut feeling. Hal (Mr. Sonnenfeldt) what do you think?

Mr. Sonnenfeldt: Well, first I think they are under some pressure to think about twenty years from now. No more than us, they don't want to spend billions of dollars on projects that may have no application. I think they must be doing some work of some kind on weather modification that we don't know about.

Secretary Kissinger: Clearly. Does Option Three prevent everything?

Mr. Ingersoll: Only techniques intended for hostile purposes.

Gen. Walters: And that is difficult to verify.

Secretary Kissinger: It seems to me that in peacetime there is no

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difference between Options Two and Three. In wartime, yes.

Mr. Clements: Yes, that's right.

Secretary Kissinger: Well, whatever options we present to the President for decision, the operational results would not show up until there is a war, anyway. Research and development could go forward.

Mr. Ingersoll: It's impossible to distinguish whether research and development are being used for peaceful purposes or war in this circumstance.

Secretary Kissinger: In the event of a major war, I think we would have to reassess our position. I think they would too. Would someone here write a negotiating scenario that we can give the President. I think that Option One is excluded, we really have to decide only between Option Two or Three. Option Three is easy, it prohibits everything. Option Two centers on military uses that would not be prohibited. What we need is clearer instructions for our delegation.

Mr. Clements: We can work up the scenario.

Secretary Kissinger: Do we have a working group? Let's have the working group do this and have it in a couple of days. Then I can move it on up to the President for decision. I'd like a negotiating scenario to send along.

As I understand it, the OSD option prohibits long-term uses of technical means to change the environment. The State and ACDA option would prohibit all hostile uses. Both positions permit research and development. The practical differences are really quite negligible.

Dr. Ikle: Would you like to consider the Russian UN resolution in the scenario?

Secretary Kissinger: Frankly, the bilateral negotiations are being used as a device to block discussion of this issue at the UN. We want to get that into a UN study group or something. So, we really won't face the UN problem. Okay, thank you.

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MR. JIM BARNUM

MEMORANDUM

NATIONAL SECURITY COUNCIL

August 28, 1974

#### MEMORANDUM FOR THE WHITE HOUSE POLICE

The following list of officials will be attending a meeting this morning at 10:30 a.m., in the White House Situation Room:

State:

Robert Ingersoll

Helmut Sonnenfeldt

Wreatham Gathright

Defense:

William Clements

Robert Ellsworth

Maj. Gen. W.Y. Smith

JCS:

Lt. Gen. John Pauly

CIA:

Lt. Gen. Vernon Walters

ACDA:

Dr. Fred Ikle V

Robert Miller / Thomas Davies

NOTE:

Gen. Brown (JCS) is out of town and Mr. Colby is on leave.

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negotiations and the U.N. resolution.

Kissinger: I'm less worried about the U.N. than I am about how to handle the bilateral negotiations with the Soviets. What I would like somebody to explain to me is OSD's position. Would it be unfair to say that OSD would rele out Options kmxmxmxmxm one and three?

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