

Originally Processed With FOIA(s):
2005-0336-F

FOIA Number:
2005-0336-F

FOIA MARKER

**This is not a textual record. This is used as an
administrative marker by the George Bush Presidential
Library Staff.**

Record Group/Collection: George H.W. Bush Presidential Records
Collection/Office of Origin: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: General Science Files

OA/ID Number: 62044
Folder ID Number: 62044-010

Folder Title:
Physics: Facilities: KAON [1992]

Stack:

Row:

Section:

Shelf:

Position:

0

0

0

0

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9202848
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: DEPARTMENT OF STATE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/01/92

SUBJECT: THEY ARE FORWARDING A LETTER ADDRESSED TO SECRETARY
BAKER FROM BARBARA McDOUGALL AND WILLIAM WINEGARD
REGARDING THE PROPOSED KOAN FACTORY.

DIRECTORATE
ASSIGNED: PHYSICAL SCIENCES

STAFF
ASSIGNED:

ACTION
REQUIRED: AS NECESSARY

STAFF
ACTION:

None: The requested meeting has taken place K.B. sub 10/6/92

SENDER'S DUE DATE:
OSTP DUE DATE: 09/30/92 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: REASSIGNED TO PHYSICAL SCIENCES PER INTERNATIONAL.

Received at Physical Sciences on 9/24. Note that the incoming correspondence was dated July 31, nearly two months ago. Copy sent to DAB 10/8.

OSTP RECEIVED: 09/03/92 DEPT RECEIVED:
FILE: P-PHYSICAL SCIENCES

CENTRAL FILES:



"Document Control"

logged

9202848

TYPE: ACTION
ORIGINATOR: 02 STATUS I
DOCUMENT NUMBER: ~~9202641~~
DIRECTORATE STATUS

FROM: DEPARTMENT OF STATE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/01/92

SUBJECT: THEY ARE FORWARDING A LETTER ADDRESSED TO SECRETARY
BAKER FROM BARBARA McDOUGALL AND WILLIAM WINEGARD
REGARDING THE PROPOSED KOAN FACTORY.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED: JS

ACTION STAFF
REQUIRED: AS NECESSARY ACTION: *as necessary*

SENDER'S DUE DATE:
OSTP DUE DATE: 09/14/92 STAFF DUE DATE *9/14/92*
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

OSTP RECEIVED: 09/01/92 DEPT RECEIVED:
FILE: EAC-CABINET

CENTRAL FILES:

U.S. DEPARTMENT OF STATE
EXECUTIVE SECRETARIAT
ACTION SLIP

Unclass
(Classification/Downgrader)

DATE:

DATE DUE IN S/S BY:

S/S CONTROL NUMBER

ACTION ASSIGNED TO:

ACTION REQUESTED:

STATE TO MEMO MAIL ROOM

PRESIDENTIAL

CONGRESSIONAL

HIGH PRIORITY ITEM

STATE TRANSMITTAL FORM
TO NSCS OVP

TRAVEL AUTHORIZATION
PROVIDE INFO COPY OF
DIRECT REPLY

WITH DRAFT REPLY FOR SIGNATURE

BY:

WITH COMMENT/RECOMMENDATION

IF NO SIGNED ORIGINAL IS NECESSARY,
PREPARE CROSS-HATCH CABLE.

AFTER CROSS-HATCHING, SEND A
COMEBACK COPY OF OUTGOING STATE CABLE
AND ORIGINAL WH CORRESPONDENCE,
UNDER COVER OF TRANSMITTAL FORM.

IF NO REPLY IS NECESSARY, RETURN
ORIGINAL WH CORRESPONDENCE UNDER
COVER OF A TRANSMITTAL FORM.

PROVIDE COMEBACK FOR

DIRECT REPLY ON BEHALF OF

WITH REPLY FOR SIGNATURE BY

RECOMMENDATION FOR UNDER COVER OF AN ACTION MEMO

WITH REPLY FOR SIGNATURE

FOR APPROPRIATE HANDLING

FOR YOUR INFORMATION

REMARKS/SPECIAL INSTRUCTIONS:

CLEAR WITH:

COPIES TO:

☐ S	☐ S/S	☐ A	☐ HA	☐ NRRC
☒ S/SCHED.	☐ S/S-O	☐ B	☐ IL	☐ NST
☐ D	☐ S/S-EX	☐ CA	☐ IO	☒ OES
☐ D/CISA	☒ S/S-S	☐ CIP	☐ INM	☐ OIG
☐ D/EEA	☐ S/S-C	☐ CPR	☐ L	☐ PM
☐ D/P&R	☐ S/S-IRM	☐ CT	☐ M/DGP	☐ RP
☒ D/SC	☒ S/S-IRM/RMD	☐ DS	☐ MEBCO	☐ S/R
☐ P		☐ EB	☐ M/FSI	☐ ST
☐ P/FP	☐ AF	☐ EEOCR	☐ M/MED	
☐ E	☐ ARA	☐ FMP	☐ M/OFM	☐ ACDA
☐ T	☐ EAP	☐ FSG	☐ PA/WHL	☐ AID
☐ M	☐ EUR	☐ H-2	☐ NP	☐ USIA
☐ C	☐ NEA			
☐ S/P				
☐ PA				
☐ INR				

FROM:

S/S-S

TEAM: A

B

EXT: 7-5805/8349/8062/8063 5804/8338/8339/8348

92 AUG 13 AM 2:08

This mtg has
taken place, but the
question of U.S.
participation in KATON
has not yet been
resolved.

K. Edwards
10/5/92

Document Originally
Attached to
Following Page

The Secretary of State for External Affairs



Secrétaire d'Etat aux Affaires extérieures

Canada

July 31, 1992

9216880

The Honourable James A. Baker III
Secretary of State
Department of State, 7TH Floor
WASHINGTON, D.C. 20520

—Dear Secretary Baker:

It is my pleasure to inform you that the Honourable Stanley Hagen has been appointed by the Government of Canada to lead a federal-provincial delegation to international capitals, in order to seek official commitments to contribute to the capital costs of the proposed KAON Factory which is to be constructed in Vancouver, British Columbia.

The Government of Canada and the Government of the Province of British Columbia are cooperating in this project, and have made firm offers towards KAON construction costs. We are eager to begin construction of this facility which is important to Canada and important internationally. International funds are critical to KAON's future.

As you may be aware, a joint letter (copy attached), from the Honourable William Winegard, Canada's Minister for Science, and the Honourable Glen Clark, British Columbia's Minister of Finance and Corporate Relations, containing information concerning the proposed KAON Factory and seeking a formal indication of your country's support for this project was sent to the Assistant to the President on Science and Technology and your Secretary of Energy in July 1992.

At this time, your assistance is requested to ensure that Mr. Hagen and his delegation meet the most appropriate senior officials in your government in order to advance the dialogue on this topic.

I thank you in advance for your assistance in furthering this important international endeavour.

Yours sincerely,

Handwritten signature of Barbara McDougall in cursive script.
Barbara McDougall

Handwritten signature of William C. Winegard in cursive script.
William C. Winegard



JUL 10 1992

Dr. Allan Bromley
Assistant to the President on
Science and Technology
The Executive Office of the President
Old Executive Office Building, Room 358
17th St. and Pennsylvania Avenue, N.W.
Washington, D.C.
20506

Dear Dr. Bromley:

Further to our meeting at Leeds Castle, I am writing to update you on the situation regarding the KAON facility and to apprise you of our actions at this juncture to confirm international support for the project.

As you are aware, the Government of Canada and Government of British Columbia are prepared to provide contributions to the construction of the proposed KAON Factory in Vancouver, British Columbia, which, together, approximate two-thirds of the estimated 1989 capital costs of the facility.

British Columbia's Minister of Finance and Corporate Relations, the Honourable Glen Clark, has joined me in signing this letter to confirm both governments' desire to see this project advance. In order to consolidate all the funding necessary to proceed with construction, Canada is requesting that its G-7 partners signal their intent to contribute towards KAON.

...2

The United States Government, and you in particular, have continued to be a strong supporter of KAON and its construction by Canada. This commitment has been integral to our consideration of proceeding with the project. Furthermore, it is encouraging that the U.S. nuclear and particle physics community has strongly endorsed U.S. participation in KAON. We estimate that at least one-third of the 800 scientists who will perform experiments on this machine will be from the United States.

The future of KAON is at a critical stage. Without significant levels of foreign participation and contribution, this project cannot proceed. Therefore, I seek that the United States formally re-confirm the extent of its financial commitment to the capital cost of KAON.

We are eager to begin construction on this important facility and we would therefore appreciate your early response.

If you require any additional information for your decision-making, please do not hesitate to contact me.

I wish to thank you in advance for your early consideration of this significant international endeavour. I hope that we can work together to turn this unique opportunity into a reality.

Yours sincerely,

A large, stylized handwritten signature in dark ink, appearing to read 'W. Winegard'.

William C. Winegard

A handwritten signature in dark ink, appearing to read 'Glen Clark'.

Glen Clark



JUL 10 1992

Admiral James C. Watkins, USN (Retired)
Secretary of Energy
Department of Energy
1000 Independence Avenue S.W.
Washington, D.C.
20585

Dear Admiral Watkins:

I am writing to seek a formal indication of the United States support for the proposed KAON Factory which is to be constructed in Vancouver, British Columbia. British Columbia's Minister of Finance and Corporate Relations, the Honourable Glen Clark, has joined me in signing this letter to confirm the desire of both the federal and provincial governments to see this project implemented.

As you are no doubt aware, the Government of Canada and Government of British Columbia are prepared to provide contributions to the construction of the proposed KAON Factory in Vancouver, British Columbia, which, together, approximate two-thirds of the estimated 1989 capital costs of the facility. In order to consolidate all the funding necessary to proceed with construction, Canada is requesting that its G-7 partners signal their intent to contribute towards KAON.

The United States nuclear and particle physics community has strongly endorsed KAON and its construction by Canada. The April 1992 Report of the Subcommittee on the Implementation of the 1989 Long Range Plan for Nuclear Science noted that United States involvement in the facility construction and detector development is a cost effective strategy to meet American scientific objectives. We estimate that at least one-third of the 800 scientists who will perform experiments on this machine will be from your country.

...2

At a recent Carnegie Commission meeting in the United Kingdom, I spoke with Dr. Allan Bromley regarding KAON. He reaffirmed the United States Government's, as well as his personal support, for KAON. I have since written to him as well on this subject.

The future of KAON is at a critical stage. Without significant levels of foreign participation and contribution, this project cannot proceed. Therefore, I seek that the United States, and in particular the Department of Energy, formally confirm the extent of its financial commitment to the capital cost of KAON.

We are eager to begin construction on this important facility. A team is being established to undertake discussions leading to formal negotiations with potential international contributors. We anticipate that meetings will commence within the next few weeks. Your office will be contacted to discuss details of the meeting and to arrange a suitable date.

If you require any additional information for your decision-making, please do not hesitate to contact me.

I wish to thank you in advance for your early consideration of this significant international endeavour. I hope that we can work together to turn this unique opportunity into a reality.

Yours sincerely,



William C. Winegard



Glen Clark

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9202600
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: WINEGARD, WILLIAM & GLEN CLARK: MINISTER FOR SCIENCE, CANADA &
MINISTER OF FINANCE & CORPORATE RELATIONS, BRITISH COLUMBIA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/19/92

SUBJECT: AN UPDATE ON THE SITUATION REGARDING THE KAON
FACILITY AND A REQUEST THAT THE U.S. FORMALLY
RECONFIRM THE EXTENT OF ITS FINANCIAL COMMITMENT TO
THE CAPITAL COST OF KAON.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED:

ACTION STAFF
REQUIRED: FOR DAB'S SIGNATURE ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 07/28/92 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT: 7/32/92

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
REMARKS: PHONE: EXT:

Dr. Eub drafted ltr + memo for DAB.

OSTP RECEIVED: 07/21/92 DEPT RECEIVED:
FILE: P-INT-CANADA
CENTRAL FILES: KAON

Minister for Science



Ministre des Sciences

RECEIVED

32 MAR 21 49:43

MAR 10 1992

OSTP
MAIL ROOM

Dr. Allan Bromley
Assistant to the President on
Science and Technology
The Executive Office of the President
Old Executive Office Building, Room 358
17th St. and Pennsylvania Avenue, N.W.
Washington, D.C.
20506

Dear Dr. Bromley:

Further to our meeting at Leeds Castle, I am writing to update you on the situation regarding the KAON facility and to apprise you of our actions at this juncture to confirm international support for the project.

As you are aware, the Government of Canada and Government of British Columbia are prepared to provide contributions to the construction of the proposed KAON Factory in Vancouver, British Columbia, which, together, approximate two-thirds of the estimated 1989 capital costs of the facility.

British Columbia's Minister of Finance and Corporate Relations, the Honourable Glen Clark, has joined me in signing this letter to confirm both governments' desire to see this project advance. In order to consolidate all the funding necessary to proceed with construction, Canada is requesting that its G-7 partners signal their intent to contribute towards KAON.

...2

The United States Government, and you in particular, have continued to be a strong supporter of KAON and its construction by Canada. This commitment has been integral to our consideration of proceeding with the project. Furthermore, it is encouraging that the U.S. nuclear and particle physics community has strongly endorsed U.S. participation in KAON. We estimate that at least one-third of the 800 scientists who will perform experiments on this machine will be from the United States.

The future of KAON is at a critical stage. Without significant levels of foreign participation and contribution, this project cannot proceed. Therefore, I seek that the United States formally re-confirm the extent of its financial commitment to the capital cost of KAON.

We are eager to begin construction on this important facility and we would therefore appreciate your early response.

If you require any additional information for your decision-making, please do not hesitate to contact me.

I wish to thank you in advance for your early consideration of this significant international endeavour. I hope that we can work together to turn this unique opportunity into a reality.

Yours sincerely,

A large, stylized handwritten signature in dark ink, appearing to read 'Winegard'.

William C. Winegard

A handwritten signature in dark ink, appearing to read 'Glen Clark'.

Glen Clark

THE WHITE HOUSE
WASHINGTON

July 22, 1992

Gentlemen:

I was most heartened by the news in your letter of July 10 that Canada is prepared to move forward with the construction of the KAON facility in Vancouver.

I have forwarded your request for a formal financial commitment to Admiral James Watkins, Secretary of Energy, for his response. I hope that the international science community and Canada will make this exciting project a reality.

Sincerely yours,

A handwritten signature in black ink, appearing to read "D. Allan Bromley", written in a cursive style.

D. Allan Bromley
The Assistant to the President
for
Science and Technology

cc: Admiral James D. Watkins

The Honorable William C. Winegard
Minister for Science
Government of Canada
Ottawa, Canada K1A 0H5

The Honorable Glen Clark
Minister of Finance and Corporate
Relations
Government of British Columbia
Victoria, British Columbia V8V 1X4

THE WHITE HOUSE
WASHINGTON

July 22, 1992

MEMORANDUM FOR SECRETARY JAMES D. WATKINS
DEPARTMENT OF ENERGY

COPY TO: W. HENSON MOORE
DEPUTY CHIEF OF STAFF TO THE PRESIDENT

FROM: D. ALLAN BROMLEY 
THE ASSISTANT TO THE PRESIDENT
FOR SCIENCE AND TECHNOLOGY

SUBJ: CANADIAN KAON PROJECT

As you know, Canada has been considering building a large accelerator (KAON) in British Columbia. The Canadians now have decided to proceed with this project and are requesting financial commitments from prospective foreign partners, including the United States. I am forwarding their letter of request to you for your response.

The U.S. Nuclear Science Advisory Committee (NSAC) was charged in 1989 by DOE and NSF to advise on the possibility of U.S. participation in KAON. An NSAC Subcommittee chaired by Professor Herman Feshbach of MIT concluded that the requested investment of \$75 million, spread over five years, would be very cost-effective for the U.S. and that the accelerator would "make a broad range of phenomena of fundamental importance accessible to experimental study." The Subcommittee noted additional cost savings in that the U.S. would not be expected to share operating expenses for the facility and that by participating in the Canadian project, we would have access to a facility comparable to one that had been proposed in the U.S. at a cost of approximately \$560 million.

I consulted with Henson Moore, then Deputy Secretary of DOE, prior to my trip to Canada in October of 1990, and on the basis of this very strong recommendation from the scientific community, we agreed that we should confirm our earlier, less formal, intention to commit \$75 million to the project construction over a five-year period. I accordingly provided this indication to a number of senior members of the Canadian Cabinet with whom I met at that time.

The Canadians now seek a formal commitment from us. The scientific justification and the cost-effectiveness of the partnership from the U.S. perspective remain as persuasive now as they were two years ago; this has been reiterated by NSAC in its recent reports. I therefore hope that you will respond to the Canadian inquiry by affirming our previous commitments. Such an investment will represent an effective and important part of U.S. participation in international science and will provide access for American scientists to the high intensity frontiers of modern nuclear and particle physics in an unusually cost-effective way.

STAFFING SHEET

EXTERNAL COORDINATION:

ACTION REQUESTED:[illegible]