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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: Correspondence Files

OA/ID Number: 62000
Folder ID Number: 62000-007

Folder Title:
D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Stack:

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THE WHITE HOUSE
WASHINGTON

December 4, 1991

Dear Chuck:

Many thanks for sending us the additional comments concerning the report of the National Critical Technologies Panel and the White House Fact Sheet. These comments are extremely useful to us and provide us with that all important calibration from outside the Beltway that keeps us more or less on the rails.

As always, it is a pleasure working you.

With all best wishes,

Sincerely yours,



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

Dr. Charles F. Larson
Executive Director
Industrial Research Institute, Inc.
1550 M Street, Northwest
Washington, D.C. 20005

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124730
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: LARSON, Charles F.: INDUSTRIAL RESEARCH INSTITUTE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/07/91

SUBJECT: RE: TWO MORE REPLIES TO THE INSTITUTES SURVEY OF THE
NATIONAL CRITICAL TECHNOLOGIES REPORT.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
INDUSTRIAL

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

OSTP RECEIVED: 11/12/91 DEPT RECEIVED:
FILE: P-INDUSTRIAL
CENTRAL FILES:

THE WHITE HOUSE
WASHINGTON

October 22, 1991

Dear Hal:

No, your thoughts are far from too late! This whole matter of the participation of governmental scientists in professional societies is part of an even larger package which involves the treatment of governmental authors of books and the like. We have taken a very strong position on the entire matter and I shall be meeting with Stephen Potts, the Director of the Office of Government Ethics, within the next few days to discuss these matters with him.

It seems that the OGE received some 1,200 hundred letters from irate scientists and so they recognize fully that there is a very real need to make some changes in the proposed regulations. I am optimistic that we will be able to remove the more pernicious aspects of the proposal but am equally certain that we have no reason to assume that we can let down our guard.

Your points are very well taken and will be very helpful during this upcoming discussion. I am enclosing herewith a copy of the letter that I forwarded to Mr. Potts a few weeks ago.

Many thanks for writing and let me again emphasize how much I appreciate your taking time to provide input of this sort.

With warmest best wishes,

Sincerely yours,



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

Enclosure

Professor Harold W. Lewis
Department of Physics
University of California, Santa Barbara
Santa Barbara, California 93106

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

September 20, 1991

Dear Mr. Potts:

I have reviewed the Proposed Rule on "Standards of Ethical Conduct for Employees of the Executive Branch" (5 CFR Part 2635) and have serious concerns about the implications of several of its provisions for the health of science and technology in the United States. I have also discussed the Proposed Rule with the President's Council of Advisors on Science and Technology, which I chair, and the members of the Council have expressed similar concerns.

At issue are the sections of the rule which pertain generally to professional activities and in particular those concerning participation in professional associations (Sec. 2635.806) and teaching, speaking, and writing (Sec. 2635.807). The proposed language, if implemented, would unduly constrain the professional activities of Federal scientists and engineers. If technical personnel are discouraged from playing an active leadership role in their professions, the Government and the Nation will suffer. In addition, unnecessary constraints would add to the problems of recruiting and retaining high quality scientists in the Federal government.

In my judgement, some of the proposed provisions would seriously impair the effectiveness of our National scientific and technological enterprise by erecting barriers between Government scientists and engineers and their colleagues in the private sector at a time when the Administration is striving to improve linkages among scientists in Government, universities, and industry.

I am extremely sensitive to the importance of ethical standards for Federal employees and am fully supportive of the President's desire to strengthen those standards. At the same time, I am concerned with the secondary effects of the Proposed Rule, which could severely weaken our scientific and technological sector. The professional vitality of that sector, as the President has often stated, is a key element in the Nation's economic growth, national security, and public health.

It is essential that the Government strengthen its ethical standards without weakening the effectiveness of its scientific enterprise. To this end, I urge you to take into serious consideration the attached observations, comments and suggestions as you begin to formulate the final rule. If you would find it helpful, I would be pleased to arrange for you to meet with members of the President's Council of Advisors on Science and Technology.

Sincerely,

A handwritten signature in black ink, reading "D. Allan Bromley". The signature is written in a cursive, flowing style with a horizontal line extending from the end.

D. Allan Bromley

Director

Attachment

cc: C. Boyden Gray
Counsel to the President

Mr. Stephen D. Potts
Director
Office of Government Ethics
Suite 500
1201 New York Avenue, N.W.
Washington, DC 20005-3917

OFFICE OF SCIENCE AND TECHNOLOGY POLICY

COMMENTS ON PROPOSED RULE ON "STANDARDS OF ETHICAL CONDUCT FOR EMPLOYEES OF THE EXECUTIVE BRANCH"

September 20, 1991

THE CONTEXT: THE NATION'S SCIENTIFIC ENTERPRISE

Our Nation's scientific and technological system, which is widely emulated by many other countries, owes its success since World War II to a unique partnership among three sectors: the Federal government, universities, and industry. Scientists and engineers in these three sectors have functioned collectively in a remarkably effective fashion. Much of that partnership rests on the high degree of professional mobility of our technical personnel. It is not uncommon, particularly among our most accomplished scientists and engineers, for a professional career to span all three sectors.

Equally important is the advisory function, broadly defined, played by scientists from all three sectors in service of the entire enterprise. Scientists serve as peer reviewers, consultants, members of review panels, advisory and accreditation committees, editors of technical journals, and board members for outside organizations. Their professional standing rests in part on such activities, and when scientists are asked by outside organizations to perform such functions, it is a mark of professional accomplishment and recognition. The scientific effectiveness of the Federal sector depends on both the outside activities of its scientists and the service of private sector scientists to the Federal government.

Professional associations play a special role in the Nation's science and technology system, by providing a major link among government, university, and industry scientists. Involvement in the activities of professional associations is a professional responsibility of scientists and engineers, intended to benefit the scientific enterprise as a whole, not just the organization or its individual members.

In order for the Federal government to recruit and retain scientists and engineers of high caliber, and to ensure that those individuals have the highest possible professional standing, it is essential that government scientists not be prevented from or discouraged from engaging in professional activities, specifically those that are broader and more general than the specific scope of the scientists' official duties.

Out of concern for maintaining the United States' preeminence in science and technology in an increasingly competitive global environment, the Bush Administration has gone to considerable lengths to promote the interaction between our three main scientific sectors. Any sector that becomes isolated from the other two is bound to lose its vitality and effectiveness, and the weakening of any one sector impairs the totality of the system. In particular, Federal government scientists and engineers must not be forced into becoming second-class actors in world science and technology.

THE PROPOSED RULE: ISSUES

We appreciate the need for ethical standards for employees of the government, and scientific personnel should be no exception. However, those standards must be reconciled with the need to maintain the kind of professional environment that has enabled Government scientists to contribute to the strength of our economy and national security.

The Proposed Rule contains a number of provisions which would serve to undermine the professional vitality of Government personnel. For example, although the Proposed Rule laudably states that executive branch employees are "encouraged to participate in the activities of professional associations and similar entities" (Sec. 2635.806), the prescriptions in the remainder of that paragraph are likely to discourage, rather than encourage, such participation.

The proposed rule appropriately establishes a clear separation between a Federal employee's specific official duties on one hand, and that employee's "outside activities" on the other. However, the proposed rule does not appear to draw any distinction between the employee's specific work for a Federal agency and that employee's broader professional activities and general professional expertise. The maintenance, development, and application of that general professional expertise benefits both the Federal government and, in the case of scientists, the Nation's overall science and technology system and should be encouraged, as long as conflicts of interest are not at issue.

It is also essential that ambiguities and burdensome administrative procedures be minimized. Ambiguities lead to significant risk of running afoul of the rules for even the best intentioned employee. That potential risk may ultimately drive the employee to choose between Federal service and maintaining an active professional life. Either outcome is a loss for the Nation. Similarly, excessively burdensome procedures will force busy, hard-working professionals to balance the value of engaging in professional activities against the time and effort required to meet added administrative demands.

SUGGESTED CHANGES TO THE PROPOSED RULE

In order to reconcile the dual needs for ethical standards and maintaining the viability of the Nation's science and technology enterprise, we urge strongly that the following sections of the Proposed Rule be revised.

A. Subpart A -- General Provisions

We propose that close to the beginning of the text (e.g., in Sec. 2635.101) a statement be included that nothing in this rule is meant to discourage employees from engaging

actively in professional activities which benefit the performance of their duties in the Federal government.

B. Participation in professional associations (Sec.2635.806)

That section should be modified as follows. Changes from or additions to the proposed rule are underlined.

1. The first sentence should read:

Employees are encouraged to participate in the activities of professional associations and similar entities organized to facilitate professional communication and advance the state of professional knowledge and expertise.

[Comment: at least in the case of scientific organizations, enhancing the skills of their members is not the primary purpose of those organizations.]

The remainder of the introductory paragraph is acceptable.

2. Paragraph (a) should read:

(a)Participation in substantive programs. An employee may use official time to attend or otherwise to participate in a substantive program sponsored by a professional association or similar organization when authorized by his supervisor.

[Comment: The remainder of the sentence in the proposed draft, which pertains to determination that the substantive content of the program relates to the performance of the employees official duties and that participation is in the interest of government, should be deleted. The determination has potential to be unnecessarily burdensome administratively and should, in any case, not be narrowly limited to the employee's official duties. If anything, participation should be related to the maintenance and development of an employee's general professional expertise and standing. Furthermore, that expertise should be considered a priori to be in the interest of the Government.]

3. Paragraph (b) should either be eliminated or re-drafted to make a distinction between association officers who deal with broad substantive leadership of the organization and an association's administrative personnel, particularly those who deal primarily with financial matters. Service in the former should be encouraged (and therefore allowed on official time) whereas the latter should not, because of the high potential for conflict of interest.

4. Paragraph (c) should stand.

5. The following example is offered as an addition or substitute:

A division director at the National Science Foundation who has earlier had a distinguished career in research is elected president of the American Society of Solid State Physics. That employee may, with her supervisor's authorization, serve in that capacity by attending meetings and conducting some organizational affairs on official time. The extent of time and effort devoted to organizational matters should be determined by the employee's supervisor whose responsibility it is to ensure that organizational activities enhance rather than detract from the employee's performance of her official duties.

C. Teaching, speaking and writing (Sec. 2635.807)

That section should be modified as follows. Changes from or additions to the proposed rule are underlined.

1. To the extent permissible by statute, paragraph (a) should read:

Except as permitted...an employee...shall not receive compensation...for teaching, speaking or writing that relates to the employees official duties. This section does not apply to teaching, speaking, or writing that relates to the maintenance, development, or application of an employee's general professional expertise and standing, not directly related to the employee's official duties, as further defined in paragraph (1) below.

2. The following example is offered as an addition or substitute for the examples:

A scientist at the National Institutes of Health conducts research for NIH on the molecular basis of the development of cancer. That scientist could not be compensated for writing a textbook on that subject which draws on his NIH research data. However, he could receive compensation for a general textbook, even on the treatment of all cancers., provided that the textbook does not focus on the scientists' research at NIH but is based, rather, on scientific knowledge gleaned from the scientific community as a whole. The book might include a chapter among many other chapters which discusses the molecular basis of cancer development.

THE WHITE HOUSE
WASHINGTON

September 20, 1991

Dear Manuel:

This is a belated reply to your memorandum in which you request us to undertake a Scientific Review of Endangered Species Act Listing Processes.

I am happy to tell you that Dr. Norman Borlaug, who is the father of the green revolution for which he received the Nobel Prize, and who is now on the faculty of the Texas A&M University, and a member of the President's Council of Advisors on Science and Technology (PCAST), has agreed to chair such a study. I agree with you that this is a very important matter and I am delighted that someone of Borlaug's stature and credibility has agreed to undertake a leadership role in an examination of these processes.

I would look forward in the near future to discussing with you possible members of the review group as well as its charter and its operating procedures.

I must apologize for the delay in getting back to you but Borlaug travels extensively around the world and it has taken time to get a response from him. I really believe that he is one of the best possible chairman that we could have found.

With all best wishes,

Sincerely yours,



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

The Honorable Manuel Lujan
Secretary
Department of the Interior
Washington, D.C. 20240



THE SECRETARY OF THE INTERIOR
WASHINGTON

RECEIVED

July 8, 1991

91 JUL 8 P3:43

Memorandum

OFFICE OF THE
DIRECTOR

To: Honorable D. Allan Bromley
Assistant to the President and Director,
Office of Science and Technology Policy

From: Manuel Lujan, Jr. *Manuel Lujan Jr.*

Subject: Scientific Review of Endangered Species Act Listing
Process

As you are aware, the Endangered Species Act (ESA) is due for Congressional reauthorization next year. The purposes of the ESA are to identify and conserve endangered and threatened species and the ecosystems upon which such species depend. During my tenure as Secretary of the Interior, administration of the ESA has proven to be one of my greatest challenges. This is due in large part to the requirements of Section 4 of the ESA which states that the determination of a threatened or endangered species must be based solely on the best available scientific data. In practice, this has resulted in small biological teams from the U.S. Fish and Wildlife Service (who have been delegated to administer the ESA for the Secretary of the Interior) making listing decisions with potentially enormous economic and social consequences over wide geographical regions. Whether the species is the Northern Spotted Owl of the old growth forests in the Pacific Northwest, the Delta Smelt of the San Francisco Bay Delta, the Desert Tortoise of Nevada, Utah and California, the Mt. Graham Red Squirrel of Arizona, the Colorado Squawfish of Colorado and New Mexico, or another of the over 600 species currently listed or 3000 species under consideration for listing, the ramifications of decisions made by these small biological teams continue to generate great controversy.

In preparation for reauthorization, I have convened a policy level review team within the Department to consider what amendments to the ESA, if any, may be warranted. This team is also looking at alternate ways of administering the ESA to attempt to avoid the "train wrecks" we are experiencing today. However, one of the areas where I am seeking further help is a review of the adequacy of the scientific teams and the process they use in making a listing decision. During several of the recent controversial listing decisions, individuals both within and outside the government have publicly questioned the adequacy of the Fish and Wildlife Service's scientific review. I am seeking your advice on how to review the scientific

Honorable D. Allan Bromley
Page 2

credibility and integrity of the Fish and Wildlife Service's listing process and the quality of the scientists upon whom we rely for these for reaching decisions.

Such a review and positive action on any recommendations would contribute significantly to assuring the public and the Congress that the ESA is being administered in a prudent manner.

I look forward to your counsel on how best to proceed in this review and thank you in advance for your consideration of this request.

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121996
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: LUJAN, Manuel: SECRETARY OF THE INTERIOR

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/08/91

SUBJECT: REQUEST TO REVIEW THE SCIENTIFIC CREDIBILITY AND
INTEGRITY OF THE ENDANGERED SPECIES ACT LISTING
PROCESS.

DIRECTORATE STAFF
ASSIGNED: LIFE SCIENCES ASSIGNED:

ACTION STAFF
REQUIRED: DRAFT FOR DAB ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 07/12/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
Ken Yale
ENVIRONMENT

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

OSTP RECEIVED: 07/08/91
DEPT RECEIVED:

FILE: LIFE SCIENCES* CABINET MEMBER

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01a. Letter	To: Gilbert Laustriat From: Allan Bromley Re: Human frontier Science Program (1 pp.)	9/20/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION/MEETING REQUEST DOCUMENT NUMBER: 9123050
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: LAUSTRIAT, Gilbert: ULP

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/24/91

SUBJECT: RE: A RESPONSE TO DR. BROMLEY'S LETTER OF 07/09/91
AND A REQUEST TO MEET AND DISCUSS RECENT
DEVELOPMENTS AT ULP DURING THE DR HONORIS CAUSA
CEREMONY 12/06.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 08/13/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: INTERNATIONAL/POLICY

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

OSTP RECEIVED: 07/30/91 FILE: P-INTERNATIONAL*INVITE-MEETING
DEPT RECEIVED:

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01b. Letter	To: Allan Bromley From: Gilbert Laustriat Re: Human frontier Science Program (1 pp.)	7/24/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

THE WHITE HOUSE

WASHINGTON

September 20, 1991

Dear Hal:

This is a belated answer to your letter of August 1 which arrived here just as I was about to leave on a Canadian vacation. That, followed by some travel on the west coast, has resulted in the delay in responding to you.

Your point is well taken. I recall the 1960 *Science* article and, of course, the World Bank, the Population Council, and the United Nations Fund for Population Activities turn out annual updates on the projected world population as their particular population models churn them out.

If one looks at all these projects, there is both good and bad news. The good news is that the rate of increase of population growth has slowed more substantially during the past decade than during any decade in recent history. The bad news is, of course, that the rate of growth remains unacceptably high in the countries least able to accommodate such growth, and the adverse effects are, of course, multiplied by urbanization, failing education programs and failing economies. The bottom line is that dramatic gains can be made but not only is the hour late, but the resources available in this particular field are severely limited.

I was interested to note in some recent material that crossed my desk that the lowest fertility rate in all of Europe is now that recorded in Italy. Sweden and Ireland have almost identical fertility rates, both at the replacement level only.

Obviously, this is a matter of great sensitivity in the political arena and it is very difficult to separate the whole question of abortion, which I take to be a signature for the failure of population control from questions of population control itself. Although science and technology still have major contributions to make, the questions of religion, morals, and ethics take strong precedence in almost all current discussions.

I would agree with you entirely that Ivan Selin is going to make a major difference in the NRC and he is already very much involved. I look to him to inject a whole new element of reasonableness in our approach to the nuclear option in the United States. Incidentally, I thought that your treatment of this whole question in your book *Technological Risk*, was extremely well done.

I have not forgotten our discussion on terrorism and related issues and am happy to tell you that we have some very good people working in the area at the present time. Obviously, affairs in the Gulf gave a major impetus to studies in this area.

Many thanks for writing and be assured that I am always interested in hearing from you.

With all best wishes,

Sincerely yours,



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

Dr. H. W. Lewis
Department of Physics
University of California, Santa Barbara
Santa Barbara, California 93106

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20506

August 20, 1991

MEMORANDUM TO ALLAN BROMLEY

FROM:

D.A. HENDERSON

SUBJECT:

COMMENT ON LEWIS LETTER DEALING WITH
POPULATION

Professor Lewis cannot be well acquainted with the population literature given his apparent belief that the last population extrapolation was done in 1960. In fact, as I am sure you know there are many different agencies who annually review available data and update computer models. The World Bank, the Population Council, the United Nations Fund for Population Activities are three such institutions.

You might wish to note to Professor Lewis that there is good news and bad news. The good news is that rate of increase of population growth has slowed more substantially during the past decade than during any decade in recent history. The bad news, of course, is that the rate of growth remains unacceptably high in the countries least able to accommodate such growth and the adverse effects are, of course, multiplied by urbanization, failing education programs, and failing economies. The point, as I see it, is that dramatic gains can be made but the hour is late and the resources limited.

An interesting footnote of which you may not be aware -- the lowest fertility rates in all of Europe are now recorded in Italy! Interestingly, Sweden and Ireland have almost identical fertility rates and both are at population replacement levels only.

"LIFE SCIENCES (CORRESPONDENCE TRACKING)"

TYPE: Action DOCUMENT NUMBER: 9123244
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS C

FROM: LEWIS, H. W.: UNIVERSITY OF CALIFORNIA, SANTA BARBARA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 08/01/91

SUBJECT: RE: THE POPULATION PROBLEM

DIRECTORATE STAFF
ASSIGNED: ASSIGNED: D.A. Henderson

ACTION STAFF
REQUIRED: ACTION: Comments to Bromley

SENDER'S DUE DATE:
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:08/20/91

COPIES TO: D. Allan Bromley
Pierre Perrolle
Nancy Maynard

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Bromley's copy was received in DLS on 08/15/91 requesting
comments from DAH.

OSTP RECEIVED: 08/05/91
DEPT RECEIVED: 08/15/91

FILE: SOCIAL SCIENCES

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9123244

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: LEWIS, H. W.: UNIVERSITY OF CALIFORNIA, SANTA BARBARA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 08/01/91

SUBJECT: RE: THE POPULATION PROBLEM

8/14
Dart.
Comments?
08/07.

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
Pierre Perrolle
Nancy Maynard

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 08/05/91
DEPT RECEIVED:

FILE: SOCIAL SCIENCES

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Professor H. W. Lewis
Department of Physics
Santa Barbara, CA 93106-9530
(805)893-2670

fax: (805)893-8597
hlewis@voodoo.ucsb.edu
hlewis@voodoo.bitnet
August 1, 1991

Dear Allan:

I know that you will either think this is nutty or that you've heard it all before, but bear with me for just a bit.

Most thoughtful people surely realize that the character of the world through the first half of the next century is bound to include some kind of resolution—I deliberately don't use the word solution, because no benign solution seems possible—of the world population problem. There was a prescient article published in *Science* in 1960, which extrapolated the population trends for the last few thousand years in a slightly sophisticated way, and concluded that the world population would become infinite on November 13, 2026, a Friday. (We are still near the track the authors laid out in 1960. When I tell this to friends, they gravely tell me the population can't possibly become infinite, and I just as gravely tell them I know that.) The point is that most population dynamicists know only about compound interest, while the growth has for many centuries been faster than exponential. The important conclusion is that the crunch is not a hundred years away, but only one generation, and many of the parents of those kids already exist. There is precious little that can be done, and precious little has been done to think through the consequences. Especially without muddying the waters with "ethical" debates about birth control for other people and other such measures. Also, since most of the population growth is now occurring in the Third World, it is "politically incorrect" to even mention the problem in polite society, lest one be accused of advocating genocide. I personally think it is a disabling fantasy to assume that the Third World will sit quietly and endure mass poverty and starvation while we live in relative luxury. Mexico alone will not permit it, and we have shown no intention of defending our borders. (It may even be true, as was claimed in a recent book, that some parties in Mexico now include a toast to the reconquest of California.)

Though I can't believe it hasn't been done, I don't know of any serious recent effort to take the world population growth as a given, extrapolate it in some reasonable non-exponential way (as was done by the authors of the 1960 *Science* article), and look beyond the year 2026. That is, after all, not so far away. I am not thinking of Club-of-Rome type computer extrapolations of the depletion of resources and the effects of pollution, nor of a search for "solutions" that would bring out the space buffs and other utopians, but a best effort to take what we know, assume no unreasonable miracles, and project the most probable future. In the little reading I've done I've seen only shallow stuff, more often than not promotions disguised as forecasts, or well ground axes.

For example, if Malthus was right we'll drift fecklessly into a planet crowded with humans, at a population-limiting subsistence level. I have trouble believing that that is sociologically stable, but wonder what anthropologists think when forced to extrapolate to such a large scale what they know about the behavior of smaller groups. Can pockets of literacy, let alone science, survive in a subsistence world? Can anything resembling democracy survive in such an environment—faith notwithstanding, I know of no historical evidence that it can.

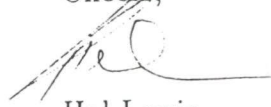
I think it would be enlightening to give forecasting our best shot, as a kind of big think on a global scale, without mixing it up with either a search for solutions or with pious wringing of hands. As I recall, something like this was tried a few administrations ago, but it was parochial, and not done well. We don't require conservationists telling us to conserve, birth controllers telling us to abstain, or utopians telling us to share and share alike. All may be slightly right, but the idea here is to try to forecast what lies ahead if (as is most likely) these things don't happen on a scale sufficient to make any difference. I'd like to reinvent Malthus, and forbid computer models. (I love computers, but GIGO is a tough adversary.)

I have no idea to which agency I should have pitched this, which is why I have written you. It may also be that there are dozens of fine studies of which I haven't heard. I do think that this is the kind of enterprise from which one would learn a lot, just by trying. Fund a study, task the Academy, form an institute, or whatever, but try to concentrate on the projections rather than the panaceas.

On another subject, Ivan Selin was an inspired choice for Chairman of the Nuclear Regulatory Commission—how ever was he persuaded to take the job? The next thing would be to change it from a Commission (after all, a hangover from the AEC days) to a single Administrator, and leave him in the job. And if only the other admiral in the energy business were to find another outlet for his talents

I never had any kickback on my visit to you on terrorism, just about a year ago, from which I conclude that everything is in good shape. Right? Or is it time to resume pushing the end of that wet noodle?

Cheers,

A handwritten signature in dark ink, appearing to be 'Hal Lewis', with a stylized flourish at the end.

Hal Lewis

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02a. Letter	To: Gilbert Laustriat From: Allan Bromley Re: Human frontier Science Program (2 pp.)	7/9/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
 P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
 P-3 Release would violate a Federal statute [(a)(3) of the PRA]
 P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
 P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
 P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
 (b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
 (b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
 (b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
 (b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
 (b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
 (b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
 (b)(9) Release would disclose geological or geophysical information

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121477

FROM: LAUSTRIAT, G.: UNIVERSITE LOUIS PASTEUR STRASBOURG

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/03/91

SUBJECT: THE BOARD OF ULP HAS DECIDED TO APPOINT PROFESSOR
GREINER AS ONE OF THE THREE DOCTOR HONORIS CAUSA OF
THE UNIVERSITY FOR 1991, THE CEREMONY WILL TAKE
PLACE 12/06/91.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/21/91

FILE: INTERNATIONAL

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02b. Letter	To: Allan Bromley From: Gilbert Laustriat Re: Human frontier Science Program (1 pp.)	5/3/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
 P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
 P-3 Release would violate a Federal statute [(a)(3) of the PRA]
 P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
 P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
 P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
 (b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
 (b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
 (b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
 (b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
 (b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
 (b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
 (b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03. Letter	To: Reimar Lust From: Allan Bromley Re: Funding (1 pp.)	7/9/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
 P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
 P-3 Release would violate a Federal statute [(a)(3) of the PRA]
 P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
 P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
 P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
 (b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
 (b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
 (b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
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 (b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
 (b)(9) Release would disclose geological or geophysical information

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121379

FROM: LUST, Reimar: ALEXANDER VON HUMBOLDT-STIFTUNG

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/02/91

SUBJECT: A NOTE OF CONGRATULATIONS AND GOOD HEALTH

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/09/91

FILE: INTERNATIONAL

ALEXANDER VON HUMBOLDT-STIFTUNG
RECEIVED

Der Präsident

91 MAY 9 P4:41

Alexander von Humboldt-Stiftung, Jean-Paul-Str. 12, D-5300 Bonn 2

Jean-Paul-Straße 12
D-5300 Bonn 2 (Bad Godesberg)

OFFICE OF THE
DIRECTOR

Tel. (0228) 833-111

Prof. Dr. Allan Bromley
Old Executive Building of the
White House
Pennsylvania Ave./17. Str.
Washington, D.C.

May 2nd, 1991

U.S.A.

Dear Mr Bromley,

I would like to congratulate you to your 65th anniversary and wish you especially good health for the next years, but also continuing successful achievements as Scientific Advisor of the President. I know that there are some ideas which you continue to bring forward and which would really be a considerable improvement in international scientific relations.

I do hope we will be able to meet you at the AAAS/Humboldt-conference in Berlin in September.

With all best wishes.

Yours Sincerely,



Reimar Lüst

THE WHITE HOUSE
WASHINGTON

April 25, 1991

Dear Ralph:

Many thanks for sending me a copy of the volume **Technology and Economics** covering recent work from your programs at Stanford and Harvard. This is very much pertinent to much of our work here in OSTP and I have been reading the volume with very real interest and profit. You can be very much pleased with this as a representative output from your programs.

I suspect that in the near future I will be calling on you for some help and advice in matters of technology policy. I am convinced that we have some major national opportunities that will not long remain if we do not take some degree of positive action.

Again my thanks, and with all best wishes,

Sincerely yours,



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

Dr. Ralph Landau
Center for Economic Policy Research
100 Encina Commons
Stanford University
Stanford, California 94305-6015

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121106

FROM: LANDAU, Ralph: STANFORD UNIVERSITY

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/12/91

SUBJECT: A COPY OF THE VOLUME CONTAINING PAPERS WHICH ATTEMPT
TO SUMMARIZE THE RECENT WORK THAT HAS BEEN CONDUCTED
IN LANDAU'S PROGRAMS AT STANFORD AND HARVARD.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS: No acknowledgement is necessary, but comments or suggestions
would be welcome.

DATE RECEIVED:

FILE: TECHNOLOGY



CENTER FOR
ECONOMIC POLICY
RESEARCH

STANFORD
UNIVERSITY

RECEIVED

91 APR 15 11:12

Ralph Landau
Consulting Professor of Economics
Co-Director, Program in Technology and Economic Growth

Address reply to:
c/o Listowel, Inc.
Two Park Avenue
New York, NY 10016
(212) 683-8660

April 12, 1991

OFFICE OF THE
DIRECTOR

Dr. Allan Bromley
Science Advisor to the President
The White House
1600 Pennsylvania Avenue
Washington, DC 20500

Dear Dr. Bromley:

Technology & Economics

A year ago I was singularly honored by a symposium organized by the National Academy of Engineering to mark my retirement as Vice President and to bring together a group of experts with whom I have been actively involved in linking the technology and economics disciplines. It gives me great pleasure therefore to enclose herewith a copy of the volume which has just been issued, containing these papers and also one of my own, which attempts to summarize the recent work that has been conducted in my Programs at Stanford and Harvard.

Of course, no acknowledgement is necessary, but any time you have any comments or suggestions, I will always be very happy to hear from you.

Very sincerely,

Ralph Landau
Ralph Landau

RL:ar

THE WHITE HOUSE

WASHINGTON

April 25, 1991

Dear Bill:

Many thanks for your letter of April 4. As you can perhaps imagine things are a little hectic here at this time of year. This week, for example, I have four hearings in the Congress plus five major speeches quite apart from all the more normal activities of the office.

It is difficult, indeed, to believe that Catherine is now a senior. It seems like only about 18 months since she was born!

Having survived seven years as Chairman of the Yale Department I can, on the basis of real experience, offer you both congratulations and condolences on your appointment as Chair of the Albany Physics Department. You and your colleagues can be well pleased with what you have accomplished with that department since your arrival.

I can assure you that the selection of PYIs is something carried out entirely within the National Science Foundation at this point, although in coming years, the White House will be very much more closely involved. It turns out that this whole program was invented by Jay Keyworth without any involvement of the White House and since its initiation, it has been handled entirely by the NSF. I have taken action this year to make sure that in future the President is much more involved in at least a part of the program and that the Presidential Young Investigators, or whatever they end up being called in the new system, really do get highly visible national recognition.

You will understand that, under the circumstances, I simply cannot influence NSF decisions in selection of the PYIs but I can make sure that they understand that SUNY Albany is a department with which to be reckoned.

I found the press release on X-ray optics technology to be fascinating indeed. It seems that Walter has made a major step forward with his Soviet colleagues and as you note, there are obviously a very large variety of applications for such an optical element.

I will make sure that some of the right people here in Washington get to look at the press release and associated publicity. Thanks for sending the copy to me.

Whenever your travels next bring you to the Washington area please let me know, it would be good to see you again and compare notes. Please also give my very best regards to Walter, to Wilfried, and all my other friends and acquaintances at Albany.

With all best wishes,

Sincerely yours,



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

Professor William A. Lanford
Physics Department
State University of New York at Albany
Albany, New York 12222

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121074

FROM: LANFORD, William A.: UNIVERSITY AT ALBANY, STATE UNIVERSITY OF
NY

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/04/91

SUBJECT: - NOMINATION OF ALAIN KAYOYEROS FOR A PRESIDENTIAL
YOUNG INVESTIGATOR AWARD. - DEVELOPMENT OF LENSES
FOR X-RAYS.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 04/11/91

FILE: DAB CORRESPONDENCE*AWARDS



RECEIVED

01 APR 11 A 9: 51

Department of Physics
518 442-4501
Fax: 518 442-5260

April 4, 1991

OFFICE OF THE
DIRECTOR

D. Alan Bromley
Presidential Science Advisor
The White House
Washington, D.C.

Physics 215
Albany, New York
12222

Dear Alan:

I trust things are well as spring comes to Washington.

It is hard to believe that it has been 11 years since I left Yale to come to Albany. Time flies! My oldest (Catherine), who was born at Yale-New Haven Hospital a few weeks after I arrived at Yale, is now a senior making her decisions about college. She was accepted at Yale but has not yet made her decision about where she wants to go.

As you may or may not know, I am now Chair of the Physics Department here and the job brings with it certain "political" responsibilities. As a relatively new department, it is especially important that our faculty receive appropriate recognition for their accomplishments. Since I now know friends in such high places, I want to take advantage of that situation and bring to your attention two issues of potential interest to the White House.

Nomination of Alain Kaloyeros for a Presidential Young Investigator Award.

One of our young faculty members, Professor Alain Kaloyeros, has been nominated for a PYI. Alain is a brilliant, energetic, and ambitious young physicist. He received his Ph.D. at Illinois and joined our department in 1988. Here he has had a meteoric career - publishing, generating interest, working with industry, generating external funds... He would be considered outstanding in any physics department and we are fortunate to have him here at Albany.

This is the third year that he has been nominated for the PYI and our moles tell us that he ranked very high each year but has not received the award. I am told that again this year he was among the finalists submitted to the White House.

I guess I am concerned that the fact that he is from SUNY Albany may be being held against him in the final selection process. Our physics department is not among the top in the nation but in areas where we concentrate, we are excellent - in some cases second to none. My central mission as Department Chair is to see that we continue on our present trajectory, which I expect to bring us to a top ranking department by the end of the decade.

I only ask that Alain be judged on his accomplishments and, that to the extent it is appropriate to consider institutional support, that Albany be given credit for the quality it does have.

Development of Lenses for X-rays

You might find the attached press release interesting. Our old friend Walter Gibson working with Muradin Kumakhov of the Kurchatov Institute (whom you also probably know) have just announced the development of lenses that focus X-rays (and even gamma-rays) and cold neutrons. I have seen these lenses in action and they really work. Further, one can see how they can be improved to be even more useful. I am convinced that they will impact a number of nationally important technologies, including: X-ray lithography for microelectronics (perhaps now without synchrotrons), medical diagnostic 3D imaging of radioisotopes in the human body, medical treatment by focused X-rays or X-ray doses delivered *via* flexible fiber bundles inserted into the body, various X-ray analytical applications from X-ray fluorescence to X-ray astronomy.

We now have a small head start. Since this new development may have impact on nationally important industries, especially microelectronics, I would hope that the U.S. government would do what is appropriate to maximize benefits to U.S. industry as opposed to their competitors in the rest of the world.

The future of U.S. science relies on the support for and recognition of good people and good research done in emerging departments. If I have anything to say about it, Albany will be uniformly a first rate department by the end of this decade. I recognize that this is a difficult task (especially in these tight times) even when only scientific merit is considered. However, when the difficult final monetary decisions about funding are made, if the fact that Albany is not an old and established department is constantly held against us, our task becomes even that much more difficult.

Again, thank you for all of the help you have generously given me in the past and continued good luck on your work in Washington. You are in a critical position in a critical time, but if anyone can be successful in that job, it is you. If any occasions arise where I might be of help in some commission or task force, do not hesitate to call on me.

Best regards,

Bill

William A. Lanford
Chair, Department of Physics

THE WHITE HOUSE

WASHINGTON

April 18, 1991

Dear Dick:

Many thanks for sending me a copy of the review of Bob Adair's book on **The Physics of Baseball**. When this first came out I took a copy into the President and was then able to send Bob a picture of the President receiving his book with obvious delight. George Bush appears in a footnote in the book from his days as captain of the Yale Baseball Team where he batted as a left-hander and pitched as a right-hander.

I had the pleasure of seeing Dan and Helene Colussy at the recent talk that the President gave to the American Business Council at the Department of Commerce, and I gather, both from that brief chat and from the excellent annual report that I recently received, that the restructuring of UNC Incorporated is largely complete and that you're now well on your way back to substantial profitability. It has been a long and difficult road and without Dan's leadership we would not have made it.

I find that I miss the fellowship of the UNC Board. It was a remarkable group and I looked forward to each monthly meeting with that group and with all of you in the senior UNC management.

With warmest best wishes,

Sincerely yours,



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

Mr. Richard H. Lange
Vice President
UNC Incorporated
175 Admiral Cochrane Drive
Annapolis, Maryland 21401-7394

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121030

FROM: LANGE, Richard H.: UNC INCORPORATED

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/04/91

SUBJECT: A BOOK REVIEW ON THE RESEARCH THAT HAS GONE ON AT
THE PHYSICS DEPARTMENT AT YALE REGARDING THE PHYSICS
OF BASEBALL.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 04/08/91

FILE: PHYSICS

Richard H. Lange
Vice President
General Counsel & Secretary



RECEIVED

91 APR 8 A 9:39

UNC Incorporated
175 Admiral Cochrane Drive
Annapolis, Maryland 21401-7394
301/266-9103

OFFICE
DIRECTOR

April 4, 1991

Dr. D. Allan Bromley
Special Assistant to the President
for Science & Technology
The White House
Washington, D. C. 20500

Dear Allan:

The enclosed book review will bring you up to date on some important research that has gone on at the Physics Department at Yale regarding the physics of baseball.

This work parallels the effort at the Law School, I believe, relating to the common law origins of the infield fly rule.

Best regards.

Sincerely,

A handwritten signature in cursive script, appearing to read "Rich", is written below the typed name.

THE PHYSICS OF BASEBALL, by Robert Kemp Adair; Harper & Row; 110 pages; \$16.95 hardcover, \$7.95 paperbound

Mighty Casey, who brought no joy to Mudville, should have read Robert Adair's book before stepping up to the plate. Then he would have known the secret of hitting the ball a country mile. It's just a matter of elementary physics:

Keep your eye on the ball. About two-tenths of a second after the pitcher lets fly, start your swing. (The timing is critical; swing a hundredth of a second too early or too late and you'll hit a foul ball instead of a home run.) Swing upward at an angle of ten degrees from the horizontal, aiming for a spot about three-quarters of an inch below the center of the ball. As the ball crosses the plate, your bat should collide with it at a point about five inches from the end, delivering a force of some 8,000 pounds for a thousandth of a second.

If you've done it all just right, the ball should head toward center field, rising at an angle of thirty-five degrees, arc over the outfield and come to rest in the hands of an exultant hometown rooter, some 350 feet from home plate. If the weather is hot and humid and the barometric pressure is low, you may do even a little better. But don't bother stuffing your bat with cork. Contrary to what you may have heard in the dugout, the corked bat actually might reduce the length of your drive. That's all there is to it.

Granted, Mighty Casey might have found these directions—a distillation of Adair's advice and analysis—difficult to follow to the letter. After all, Adair, for all his love of the game, is a professor of physics at Yale University, not a coach. But baseball admits fans of every stripe, and Adair does not offer his advice unsolicited: he wrote at the behest of the late baseball commissioner—and Adair's former Yale colleague—A. Bartlett Giamatti. Giamatti named Adair the first and only (unofficial) physicist to the National League, and in response Adair has done a lovely study in applied science.

The purpose of the book, Adair writes, is "not to reform baseball, but to understand it"; at that it succeeds on many levels. Students of physics will be surprised to learn how much Newton understood about a game that wasn't even invented until the nineteenth century, more than a hundred years after his death. Players and coaches may be intrigued by the analysis backing up their intuitive sense that timing is everything in baseball. Dyed-in-the-wool fans, who revel in numbers, will learn just how much a

curveball curves (even the curviest deviates no more than three and a half inches from a straight line) and just how fast Nolan Ryan's fastball really is (it has been clocked at 100.7 miles an hour).

And those who love the game but hate the hype now have a readable guide to recognizing baseball malarkey. If someone regales you with tales of 600-foot homers or runners who round the bases at a pace that would win an Olympic sprint, hand your credulous friend a copy of this book. There is a higher law, Adair assures us, than the *Official Baseball Rules*.

THE WHITE HOUSE

WASHINGTON

March 5, 1991

Dear Mr. Lambert:

Your recent letter placing Walt Disney Pictures and Television among the staunch supporters of aggressive technology development was most welcome. Not all elements of our society appear to recognize that the consumers of advanced technologies have a crucial role to play in the discovery and development phases of successful technology deployment. You and I apparently agree that innovation, product design, manufacturing and customer satisfaction should be integrated and viewed as concurrent rather than sequential activities.

I welcome your offer of help in this large endeavor. Please plan to stop by my office for a chat if your schedule brings you to Washington in the next few months.

Sincerely,

A handwritten signature in dark ink, reading "D. Allan Bromley". The signature is written in a cursive, flowing style with a small flourish at the end.

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

Mr. Robert Lambert
Vice President
New Technology and Development
Walt Disney Pictures and Television
500 S. Buena Vista Street
Features 2
Burbank, CA 91521

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9120508

FROM: LAMBERT, Bob: WALT DISNEY PICTURES AND TELEVISION

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 02/19/91

SUBJECT: DISNEY THE CONSUMER, A STRONG SUPPORTER OF
AGGRESSIVE TECHNOLOGY DEVELOPMENT.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED: -----

COPIES TO: D. Allan Bromley
Dr. Phillips

*I want to drive
reply?
Decide by useful.
DMP*

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 02/25/91

FILE: ADVANCED TECHNOLOGIES

20508



WALT DISNEY Pictures

RECEIVED

February 19, 1991

91 FEB 25 A10 : 23

OFFICE OF THE
DIRECTOR

D. Allan Bromley
Office of Science and Technology Policy
Executive Office of the President
Washington, D.C. 20500

Dear Dr. Bromley,

I applauded many of the remarks attributed to you in a recent *Los Angeles Times* commentary.

It's unfortunate Michael Schrage regards proposals to vitalize collaboration among American companies and national labs as "semantic engineering" -- even if he meant the remark as a compliment!

As you might imagine, Disney's interests cover the spectrum: imaging technologies, distribution systems, digital film and television production processes, consumer products, interactive media, robotics, etc. It is with some interest, then, that I read your comments regarding greater involvement from industrial collaborators.

Disney is more a *consumer* than a developer of advanced technologies. But, we're a voracious leading edge consumer, and, as such, nonpartisan with regard to the best approach to take advantage of emerging technologies. Distinctions between telecommunication, computing, video and film industries are becoming little more than lines in the sand.

The challenge ahead of integrating and programming this dizzying array of new options is every bit as formidable as the development of the technology itself. This is one of the reasons companies like ours are redefining the way we view technology as a part of our business. In the coming decades, media producers and entertainment companies will provide much of the creative wellspring to integrate technologies into consumable form. Along the way, they'll also shape the technologies eventual manifestation in the commercial and consumer marketplace.

(continued)

Technology
p. 2

You remarked, "we want industrial collaborators to be present at the creation of new ideas and directions".

I hope you'll regard Disney as a staunch supporter of aggressive technology development. We would welcome the chance to take part in improving synergy between our part of the community, the research labs, and the industrial developers.

In the interim, we wish you well with your office's plans to enlist support ... this forging a path into the future is nothing one should do alone.

Sincerely yours,

A handwritten signature in black ink, appearing to be "Bob Lambert", with a long horizontal flourish extending to the right.

Bob Lambert
Vice President
New Technology and Development
Walt Disney Pictures and Television
500 S. Buena Vista Street
Features 2
Burbank, CA 91521

THE WHITE HOUSE
WASHINGTON

March 1, 1991

Dear Dr. Logsdon:

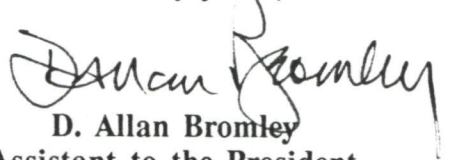
Thank you for your letter of February 6, 1991, inviting me, once again, to address your seminar on science and technology scheduled for May 7, 1991.

I am happy to accept your invitation but must caution you that occasionally I have to cancel engagements at the last moment due to Presidential requests. I sincerely hope that this does not happen.

As the time of the seminar approaches, my office will contact you to work out details for the event.

I am looking forward to meeting with you.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "D. Allan Bromley", is written over the typed name.

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

Dr. John M. Logsdon
Director
Center for International Science and Technology Policy
The George Washington University
Washington, D.C. 20052

"INVITATION FOR DR. BROMLEY"

TYPE: SPEECH

DOCUMENT NUMBER: 9120314

SPEECH: YES NO

FROM: LOGSDON, JOHN M.

DATE OF EVENT: 05/07/91

LOCATION OF EVENT: GEORGE WASHINGTON UNIVERSITY

TIME OF EVENT:

SUBJECT: SPEECH TO THE G.W.U. SCIENCE AND TECHNOLOGY SEMINAR.

RSVP:

CONTACT PERSON: JOHN M. LOGSDON

CONTACT NUMBER: 994-7292

INVITATION ACCEPTED? YES NO

COPIES TO: Steve Olson

REMARKS:

DATE OF LETTER: 02/06/91

DATE RECEIVED: 02/07/91

FILE: INVITATION-SPEECH



RECEIVED

91 FEB 7 P4:55

CENTER FOR INTERNATIONAL SCIENCE AND TECHNOLOGY POLICY

OFFICE OF THE
DIRECTOR

February 6, 1990

Dr. D. Allan Bromley
Office of Science and Technology Policy
Executive Office of the President
Washington, DC 20506

Dear Dr. Bromley:

I am delighted that you would consider rescheduling the talk you had to cancel last spring, for reasons we all understood, to the George Washington University science and technology policy seminar. In talking to Steve Olsen of your staff, we have tentatively set the evening of May 7 as the time for your talk.

The audience will be a cross-section of the senior working level community interested in science and technology policy. I am enclosing a copy of the participants list from a recent seminar by George Brown to give you a sense of the type and range of attendees.

What we hope for are thirty or so minutes of prepared remarks, followed by a Q & A session. You are of course free to pick your topic for the talk, but I hope that you will choose to focus on the some breaking issue or newly released report not already well known to the audience.

The seminar meets at the Vie de France Restaurant at 1990 K St. on the following schedule:

5:45-6:45	refreshments
6:45-7:30	dinner
7:30-8:45	talk and discussion.

Please have your office contact me if there are any questions associated with this invitation. I look forward to meeting you on May 7.

Sincerely yours,

John M. Logsdon
Director

cc: Steve Olsen, OSTP

THE WHITE HOUSE

WASHINGTON

March 1, 1991

Dear Ms. Lewis:

I am so sorry to have to tell you that, even though I initially accepted your invitation to speak at the Pacific Science Conference on May 27, 1991, I must cancel my visit as a result of very recent scheduling that requires me to change my calendar. I am very sorry that I will not be able to attend and hope that this change of plans does not cause great difficulties.

I offer you my best wishes for a very successful Congress.

Sincerely yours,

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

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

Ms. Nancy Davis Lewis
Secretary General
XVII Pacific Science Congress
2424 Maile Way, Fourth Floor
Honolulu, Hawaii 96822

XVII Pacific Science Congress



November 6, 1990

Dr. D. Allan Bromley
Assistant to the President for Science
and Technology
Director of the Office of Science and
Technology Policy
Old Executive Office Building
Washington, D.C. 20506

Dear Dr. Bromley:

It was with great pleasure that I learned of your acceptance of our invitation to deliver the keynote address at the XVII Pacific Science Congress, **Towards the Pacific Century: The Challenge of Change**. The seventeenth Congress, the first to be held in the United States for thirty years, promises to be a highly significant scientific event with not only regional, but global significance. Your address will lend stature to the meeting and will be an appropriate opening for this international, interdisciplinary meeting which is expected to draw three to four thousand participants from the United States, Asia, Latin America, the Pacific and beyond.

Enclosed please find a copy of the second circular and call for papers. Your address is scheduled as part of the opening ceremony, on Monday morning May 27. You are, of course, welcome to speak on any topic you choose, but I will assume until I hear to the contrary that you will address United States interests in science and technology in the region. We would like to publish the text of your address in the Proceedings of the Congress, if that is agreeable to you.

I am looking forward to meeting you and your participation in the XVII Pacific Science Congress.

Sincerely,

Nancy Davis Lewis
Secretary General

cc: W. Nierenberg
T. Ratchford

THE WHITE HOUSE
WASHINGTON

February 22, 1991

Dear Bill:

Many thanks for sending me the article from the **Chronicle of Higher Education**, which I only rarely get to, concerning our former colleague William H. Wing.

Based on my own experience at Yale, I can only conclude that Willis Lamb must have completely retired or else Bill Wing has, in some dreadful fashion, fallen from favor. During the period while I was chairman at Yale anything that Wing wanted became an absolute necessity as far as Willis was concerned and he was prepared to argue more or less indefinitely for it, whatever it was.

I remember very well spending the better part of a week arguing about a \$2.98 filter that Willis maintained should have gone with Wing but which Vernon Hughes wanted to keep. On at least five different occasions I offered to pay for the damned thing out of my own pocket, but that was considered an unsatisfactory resolution.

The last paragraph in the article quoting Donald R. Huffman, whom I have never met, is vintage Parkinson. The quote "do we want to be in the top ten?" is an almost verbatim lift from Parkinson's famous chapter in **Parkinson's Law** entitled "ingelitis" that deadly combination of incompetence and jealousy that too often affects physics departments.

Again, thanks for sending this on; it was an interesting note in a day notably bereft of such items.

With warmest regards to both you and Sue,

Sincerely yours,



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

Professor William Lichten
Physics Department
Yale University
New Haven, Connecticut 06511

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9120239

FROM: LICHTEN, W.

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 01/22/91

SUBJECT: PROFESSOR VOWS TO PURSUE SUIT AGAINST U. OF ARIZONA,
CLAIMING PHYSICS DEPT. UNFAIRLY CLOSED HIS LAB

ASSIGNED TO: D. Allan Bromley

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED: -----

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 01/29/91

FILE: BROMLEY-INFO

Yale University

Date: 1/22/91

To: D.A. Bromley

PLEASE:

☐ Take suitable action

☐ Reply directly to _____

☐ See (phone) me re the attached

☐ Return to this office

☐ Forward to _____

☐ Send copies to _____

☐ For your approval

☐ For your reaction or recommendation

☒ For your information

☐ Retain or discard

☐ For your files

☐ Per our conversation

☐ As requested

Remarks:

There, but for the
grace of God, goes
Yale!

From: W. Lichten

Tel.

Reorder Stock No. 39555

Chronicle of Higher Ed. Jan 9, 1990

Professor Vows to Pursue Suit Against U. of Arizona, Claiming Physics Dept. Unfairly Closed His Lab

TUCSON, ARIZ.

A University of Arizona physics professor says he will appeal a state court's decision to dismiss a lawsuit in which he claimed that the university had unfairly taken away his laboratory because it considered him unproductive.

Those who followed the case said it illustrated a growing debate at the university over the level at which professors should be expected to sustain scholarly activity throughout their careers.

The professor, William H. Wing, sued in 1989, charging that the university had breached his contract and deprived him of due process when they reassigned most of his laboratory space to other physics professors. Mr. Wing asserted that the university had increased his teaching load, threatened to take away his laboratory, and given him poor performance evaluations.

The evaluations were unfair, he added, because they were based on research that had been disrupted by his increased teaching load and the threats.

The lawsuit was dismissed without ex-

planation shortly before the case was to go to trial last month.

Peter A. Carruthers, the head of the physics department, said the laboratories had been reassigned because Mr. Wing's research program had become largely inactive in recent years and the space was badly needed. In 1986 Mr. Wing, who had stopped performing experiments, did not re-apply for his \$180,000 annual grant from the National Science Foundation, Mr. Carruthers said.

"This man had formerly done some excellent work," he said. "But I should be fired if I left unused space sitting around." Mr. Wing has some remaining laboratory space and his own office, he added.

'Not Deadwood'

Mr. Wing, who had been working in atomic, molecular, and laser physics, said he had given up the N.S.F. grant because he had planned to shift his research focus. He thought the university would allow him time to start a new program, he said.

"I certainly am not deadwood that needs

Continued on Page A15

Professor to Appeal Dismissal of Lawsuit Against U. of Ariz.

Continued From Page A13

to be shipped out," he said. "The rationale for this was that I was underperforming, and that is simply not the case."

Mr. Wing, who is now working with a \$50,000 N.S.F. grant for research in low-energy particle physics, said he no longer had enough laboratory space to conduct his experiments.

Disagreement Over Priorities

Donald R. Huffman, also a physics professor at Arizona, said Mr. Wing's case reflected the difficulties that had arisen at Arizona, and on many other campuses, when there is disagreement about what the university's priorities should be.

"If we agree we want to try to play with the top 10 universities in physics, if that's our aspiration, then the policy that all our professors should have multiple grants and lots of publications is fair," he said. "The questions that may be posed, however, are, Do we want to be in the top 10? And are those the best standards to be judged on?"

—DERRA E. BLUM

OFFICE () DIRECTOR

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RECEIVED

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the

THE WHITE HOUSE
WASHINGTON

February 8, 1991


Dear Professor Reynolds:

Thank you for your letter of January 11 inviting me to participate in your annual lecture series.

However, the dates you mention are all already filled with other activities, which is one of the great occupational hazards of this job. More generally, I am finding that I cannot be away from Washington as often as I might like. As much as I would like to join you, I must regretfully decline.

I appreciate your thinking of me and would like to wish you a successful event.

Sincerely yours,



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

Professor Joseph M. Reynolds
Louisiana State University
Department of Physics and Astronomy
Baton Rouge, Louisiana 70803-4001

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION

DOCUMENT NUMBER: 9120080

SPEECH: YES NO

FROM: REYNOLDS, JOSEPH M.

DATE OF EVENT: 03/13/14

LOCATION OF EVENT: BATON ROUGE LOUISIANA

TIME OF EVENT: 03:00AM

SUBJECT: LECTURES ON CURRENT RESEARCH FOR FACULTY AND
STUDENTS IN THE PHYSICS DEPART. AND FOR GENERAL
AUDIENCES FROM CAMPUS AND CITY

RSVP:

CONTACT PERSON: JOSEPH M. REYNOLDS

CONTACT NUMBER:

INVITATION ACCEPTED? YES NO

COPIES TO: D. Allan Bromley
Ken Yale

Sponsor: Louisiana State University
Subject: Science and technology policy
Audience: Physics students, faculty, and public
Date: Several possible dates in March and April
Location: Baton Rouge, Louisiana
Contact: Joseph Reynolds
Comments: This is an invitation to give the annual lecture
endowed by Max Goodrich.

YES

NO

Maybe

FILE: INVITATION

LOUISIANA STATE UNIVERSITY

AND AGRICULTURAL AND MECHANICAL COLLEGE

BATON ROUGE LOUISIANA 70803-4001

Boyd Professor

Department of Physics & Astronomy

277 Nicholson Hall

Joseph M. Reynolds

RECEIVED
JAN 14 11:28
DIRECTOR

January 11, 1991

Dr. D. Alan Bromley, Director
Office of Science and Technology Policy
and Assistant to the President
Old Executive Office Building
Washington, D. C. 20506

Dear Alan:

A few years ago, following his retirement as Dean of the LSU Graduate School and Professor in the Department of Physics and Astronomy, Max Goodrich gave a sum of money to LSU to establish a continuing series of annual lectures on current research for faculty and students in the Physics Department, and for general audiences from our campus and city. These lectures are now a regular part of this department and an annual contribution to the culture of the community. Recent speakers have been Edward Purcell, Willie Fowler, Maarten Schmidt and Art Schawlow. The faculty committee which chooses the Goodrich lecturer has asked me to invite and urge you to be the Max Goodrich Lecturer for 1991.

These lectures are usually held during the spring semester. The dates we suggest are any one of the following pairs:

March 13-14; April 3-4; April 10-11; and April 17-18.

The committee has blocked out meeting and reception rooms for these dates. We would like to schedule a public lecture at 3:00 PM on a Wednesday to be followed by a reception in the Faculty Club. The colloquium for the physics students and faculty would be our weekly Physics Colloquium, the next day, Thursday at 3:30 PM.

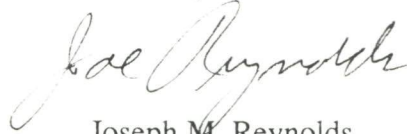
You are free to choose your own topics for both the public lecture and the physics colloquium. This letter has prompted me to reread your speech on the State of Physics 1987 in the report of the Nineteenth General Assembly of IUPAP which I attended. It is clear that you have a wide range of subject matter to choose from, both in physics and public policy issues. It might also be appropriate for us to invite to attend your public lecture and reception; former Representative Lindy Boggs and Senator J. Bennett Johnston given their current and former committee assignments and their impact on science issues in Congress. Of course, we would not do this without first clearing it with you.

- 2 -

I sincerely hope that you will be able to give the Goodrich Lectures this Spring. The Department is most anxious to have you here. I would appreciate your replying as soon as possible so we can finalize our arrangements.

With kindest regards,

Sincerely,

A handwritten signature in cursive script, appearing to read "Joe Reynolds".

Joseph M. Reynolds
Boyd Professor

cc: Richard Haymaker

THE WHITE HOUSE
WASHINGTON

January 28, 1991

Dear Professor Liebowitz:

Thank you for your letter of November 21, 1990 inviting me to be the keynote speaker at the World Congress on Expert Systems scheduled for December 16-19, 1991, in Orlando, Florida. I apologize for the much belated response.

As you can appreciate, the number of invitations I receive that entail travelling out of town is overwhelming, and I am finding that I cannot be away from Washington as much as I might like. As much as I would like to join you and your colleagues, especially due to the subject matter, I must regretfully decline.

I appreciate your thinking of me and would like to wish you a successful event.

Sincerely yours,



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

Professor Jay Liebowitz
Department of Management Science
George Washington University
Washington, D.C. 20052

"INVITATION FOR DR. BROMLEY"

TYPE: Speech

DOCUMENT NUMBER: 9024153

SPEECH: YES NO

FROM: Liebowitz, Jay: World Congress on Expert Systems

DATE OF EVENT: 12/17/91

LOCATION OF EVENT: ORLANDO, FLORIDA

TIME OF EVENT:

SUBJECT: Keynote address

RSVP: 12/10/90

CONTACT PERSON:

CONTACT NUMBER:

INVITATION ACCEPTED?

~~YES~~ NO

COPIES TO:

REMARKS:

DATE OF LETTER: 11/21/90

DATE RECEIVED: 11/26/90

FILE: INVITATION

The World Congress On Expert Systems

Honorary Conference Chairman:
Professor Edward Feigenbaum,
Stanford University

December 16-19, 1991
Hyatt Grand Cypress Hotel
Orlando, Florida

Conference Chairman:
Professor Jay Liebowitz
Dept. of Management Science
George Washington University
Washington, DC 20052
Tel: 202-994-6969
Fax: 301-770-2978
jayl@aic.nrl.navy.mil

Conference Co-Chairman:
Dr. Milton White
Chairman, International
Association of Knowledge
Engineers

November 21, 1990

The Honorable D. Allan Bromley
Special Assistant to the President for
Science and Technology
Office of Science and Technology Policy
Executive Office of the President
Old Executive Office Building, Rm 358
17th St. and Pennsylvania Ave.
Washington, D.C. 20506

Dear Dr. Bromley,

Following my telephone conversation with Dr. Hugh Miller and hearing indirectly from Dr. Ratchford that you might be available, I am writing to invite you to deliver the Keynote address at the World Congress on Expert Systems. The Congress will be held at the Hyatt Regency Grand Cypress Hotel in Orlando, Florida from December 16-19, 1991. The Keynote session is scheduled for Tuesday morning, December 17, 1991. A presentation of about 30 minutes would be very appropriate.

Professor Edward Feigenbaum of Stanford University is the Honorary Chairman of the event and will be receiving an award to be named in his honor. The twenty regional chairmen, who will be presenting overviews of the research and applications work in their areas, include some of the leading experts on expert systems applications from around the world.

We expect to have 85 technical sessions and 1,000 participants including representation from IBM, DEC, Olivetti, MIT, Stanford, Research Institutes throughout Eastern Europe, KAIST in Korea, MITI in Japan and others.

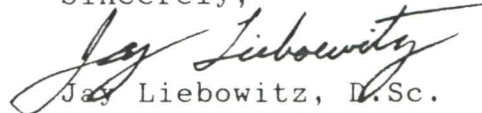
I am enclosing a copy of the Call for Papers. The response has been extraordinarily enthusiastic. We are receiving papers and requests for information from all over the world. I expect the Congress to draw more than 50% of the attendance from overseas and to attract individuals from universities, industry, business and government.

The World Congress is dedicated to providing an international representation of both scholarly and practical issues in expert systems technology and applications. An important outcome of the Congress is the sharing of worldwide ideas in the expert systems field, which would lead to the standardization of expert systems methodologies, techniques, and tools.

Please let us know as early as possible if you will be able to accept this invitation. We would appreciate a tentative acceptance before December 30, 1990 so we could highlight your speech in the Preliminary Program that will be mailed in January 1991. The final Congress Registration brochure will also promote your presentation.

I look forward to hearing from you. Regards.

Sincerely,


Jay Liebowitz, D.Sc.
Congress Chairman

cc: Dr. J.T. Ratchford

THE WHITE HOUSE
WASHINGTON

July 24, 1991

Dear Berndt:

Many thanks for sending me a copy of your first progress report entitled **Nuclear Physics at Extreme Energy Density**. It is clear from this document that you have already established a strong and imaginative program at Duke as I was fully certain you would. My only regret is that it was not possible to work out the arrangement that would have brought you jointly to Brookhaven and to Yale.

When you find yourself in the Washington area please give me a call because I would welcome the opportunity to see you.

With warmest best wishes,

Sincerely yours,



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

Professor Berndt Muller
Department of Physics
Duke University
Durham, North Carolina 27706

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9122379

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: MULLER, Berndt: DUKE UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/16/91

SUBJECT: A COPY OF "NUCLEAR PHYSICS AT EXTREME ENERGY
DENSITY, A PROGRESS REPORT".

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 07/18/91
DEPT RECEIVED:

FILE: P-DAB-PERSONAL

237

Duke University

DURHAM
NORTH CAROLINA
27706

RECEIVED

ST JUL 13 05:57

TELEPHONE 919-684-8210

OFFICE OF THE
DIRECTOR

DEPARTMENT OF PHYSICS

July 16, 1991

Professor D. Allan Bromley
The White House
Washington D.C. 20500

Dear Allan,

Upon my return from a trip back to Germany I found your kind note concerning our publication on "Quark Gluon Plasma Signatures?" in Physical Review. I marvel at how you still find time for such things, and I thank you. May I note that I have just been invited to present a paper on this issue at this year's Quark Matter meeting.

Please, find enclosed a copy of our first Progress Report that has been recently presented to DOE. We feel quite pleased to be able to demonstrate the presence of an active nuclear theory group at Duke after a little over one year. I feel very much at home here, and am glad to have been offered this opportunity. The support from the department and everybody involved, including DOE, could not have been better.

I would like to take the opportunity to wish you continued success in Washington. The science community really appreciates your efforts, from all I hear.

Sincerely yours,



Berndt Müller

BM/jc
enclosure

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04. Letter	To: Guriy Marchuk From: Allan Bromley Re: Joint Commission on Basic Scientific Research (1 pp.)	6/13/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

THE WHITE HOUSE

WASHINGTON

December 24, 1991

Dear Dr. Mangelsdorf:

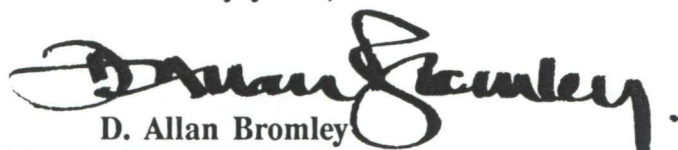
Many thanks for your letter of December 11 concerning my remarks at the Chemrawn Conference.

Your point about the carbon balance is very well taken and I shall make sure that in future statements I will be more careful to keep the anthropogenic and natural components clearly identified and will make sure that I do not appear to be referring to the anthropogenic sources and sinks as constituting the world carbon balance. You are, of course, absolutely correct that such an implication is entirely incorrect.

Thank you for writing, I really do appreciate such comments and under separate cover I will send you a copy of my remarks at Chemrawn in case they might be of some use to you.

With all best wishes for a very happy holiday season and a healthy and rewarding 1992.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "D. Allan Bromley". The signature is fluid and cursive, with a large, stylized "B" at the end.

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

Dr. Frederick Mangelsdorf
Manager
International Environmental Programs
Texaco, Incorporated
Post Office Box 509
Beacon, New York 12508

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9125155
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: MANGELSDORF, Frederick E.: TEXACO INC.

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/11/91

SUBJECT: RE: DR. BROMLEY'S REMARKS AT THE CHEMRAWN CONFERENCE
AND A PROPOSAL TO NOT REFER TO ANTHROPOGENIC SOURCES
AND SINKS AS THE "WORLD CARBON BALANCE", RATHER TO
TALK ABOUT THE TOTAL WORLD CARBON BALANCE AND HOW
MAN CAN IMPACT BOTH SOURCES AND SINKS.

DIRECTORATE STAFF
ASSIGNED: DIRECTOR'S OFFICE ASSIGNED:
ENVIRONMENT

ACTION STAFF
REQUIRED: PLEASE COORDINATE RESPON ACTION:
FOR DAB'S SIGNATURE

SENDER'S DUE DATE:
OSTP DUE DATE: 12/31/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

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

OSTP RECEIVED: 12/17/91 DEPT RECEIVED:
FILE: P-INVITATION-SPEECH
CENTRAL FILES:

Have answered this one



Texaco Inc

PO Box 509
Beacon NY 12508
914 831 3400

5133 4
RECEIVED

December 11, 1991

91 DEC 17 A 9:48

Dr. D. Allan Bromley
Assistant to the President for Science & Technology
Executive Office of the President
Office of Science and Technology Policy
Washington, DC 20506

OSIP
MAIL ROOM

Dear Dr. Bromley:

Your remarks at the Chemrawn Conference were most appreciated. It's a pleasure to hear a representative of the Government say that we should proceed only by using the best scientific and economic data available. I only wish that one could take similar comfort from the actions of Congress and all its members.

I am writing to make a small proposal to you. Early in your talk you mentioned that we have "lost" some twenty-five percent of the world's carbon balance. Later you discussed the relative size of the natural carbon balance and the anthropogenic balance, noting that the natural cycle is some twenty times greater than the anthropogenic cycle. This is a significant point that is often missed by the press (and other scientists), and your talk helped in some ways to perpetuate the misunderstanding. We didn't, of course lose twenty-five percent of the world's carbon balance. We "lost" twenty-five percent of the anthropogenic emissions. But to a tree, anthropogenic CO₂ looks pretty much like natural CO₂. And if we can control the natural system of CO₂ sources and sinks, it is just as effective as controlling anthropogenic sources and sinks.

My proposal to you is this -- let's not refer to anthropogenic sources and sinks as the "world carbon balance". That's misleading to those who don't know that there is also a very large natural cycle. Rather, I would propose, let's talk about the total world carbon balance and how man can impact both the sources and sinks.

Again, sir, let me reiterate that I enjoyed your talk, and that I was pleased to hear you speak so eloquently on the desire for truth in policy making.

Sincerely,

Frederick E. Mangelsdorf

FREDERICK E. MANGELSDORF, Manager
International Environmental Programs

FEM:lac

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05. Letter	To: Edward Malloy From: Allan Bromley Re: Japanese participation in the SSC (1 pp.)	12/18/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P-1 National Security Classified Information [(a)(1) of the PRA]
P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P-3 Release would violate a Federal statute [(a)(3) of the PRA]
P-4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
(b)(3) Release would violate a Federal statute [(b)(3) of the FOIA]
(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

ENVIRONMENTAL, SCIENTIFIC AND TECHNOLOGICAL AFFAIRS

Dr. Bromley

United States Embassy
Tokyo, Japan

Fax

TEL (81) (3) 3224-5500 FAX (81) (3) 3505-1002

No. of Pages: 2

DATE: November 26, 1991

TO: Mr. Tom Ratchford, OSTP

FAX: (202) 395-3719

Ms. Linda Staheli, OES/SCT

FROM: FAX: (202) 647-0773

FROM: Dr. Edward M. Malloy, Counselor

The attached article appeared in the 11/23 Nikkei.

THE WHITE HOUSE
WASHINGTON

December 18, 1991

Dear Walter:

Many thanks for your letter of December 4 with which you include the Annual Report of the FCCSET Committee on Physical, Mathematical, and Engineering Sciences.

I am much indebted to you for taking on the chairmanship of this important Committee and I have been impressed by the high quality of the work completed and underway. Your leadership is a very important element of the Committee's success.

With warmest personal regards,

Sincerely yours,



D. Allan Bromley
The Assistant to the President
for
Science and Technology
and
Chairman, Federal Coordinating Council
for
Science, Engineering and Technology

The Honorable Walter E. Massey
Director
National Science Foundation
1800 G Street, Northwest
Washington, D.C. 20550

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125096

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: MASSEY, Walter E.: NATIONAL SCIENCE FOUNDATION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/04/91

SUBJECT: HE IS FORWARDING THE REPORT OF THE COMMITTEE ON
PHYSICAL, MATHEMATICAL, AND ENGINEERING SCIENCES FOR
FY 1991.

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES
INDUSTRIAL
FCCSET

INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 12/13/91
FILE: P-PHYSICAL SCIENCES

DEPT RECEIVED:

CENTRAL FILES:

Vickie

THE WHITE HOUSE
WASHINGTON

December 18, 1991

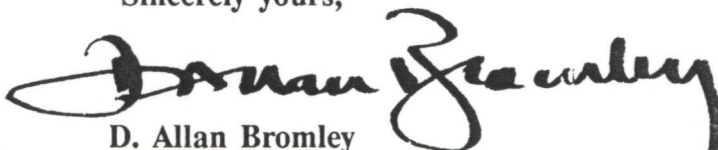
Dear Professor Merlin:

Thank you for your letter of October 23, 1991, inviting me to participate in your colloquium series during the winter term at your university. I apologize for the much belated response.

As much as I would like to join you and your colleagues, the next several months are already heavily committed, so I must regretfully decline.

I appreciate your thinking of me and would like to offer my best wishes for your colloquium.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "D. Allan Bromley", with a large, stylized flourish at the end.

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

Professor Roberto Merlin
The Harrison M. Randall
Laboratory of Physics
The University of Michigan
Ann Arbor, Michigan 48109-1120

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION-SPEECH

DOCUMENT NUMBER: 9124690

ORIGINATOR: 02

SPEECH: YES NO

FROM: MERLIN, Roberto: UNIVERSITY OF MICHIGAN

DATE OF EVENT:

THRU:

TENTATIVE DATES: WINTER TERM

LOCATION OF EVENT: UNIVERSITY OF MICHIGAN

TIME OF EVENT:

SUBJECT: AN INVITATION TO PRESENT A DEPARTMENTAL COLLOQUIUM
DURING THE UPCOMING WINTER TERM.

RSVP: 11/20/91

CONTACT PERSON:

CONTACT NUMBER:

INVITATION ACCEPTED?

YES

NO

COPIES TO: PHYSICAL SCIENCES

REMARKS:

*Use no - but full name
I am ever committed.*

DATE OF LETTER: 10/23/91

DATE RECEIVED: 11/06/91

FILE: P-INVITATION-SPEECH



4690

The University of Michigan

RECEIVED

THE HARRISON M. RANDALL LABORATORY
OF PHYSICS

ANN ARBOR, MICHIGAN 48109-1120
(313) 764-4437

91 NOV 6 P 3:48 tele: 4320815 U of M UI

OFFICE OF THE
DIRECTOR

October 23, 1991

The Honorable D.A. Bromley
Assistant to the President
Old Executive Office Building
17th Street and Pennsylvania Avenue, NW
Washington, D.C. 20506

Dear Mr. Bromley:

On behalf of the Department of Physics at the University of Michigan, I would like to invite you to present a departmental colloquium during the coming winter term. We believe that you would present a unique and broad perspective on current science and technology policy matters.

The department's colloquium series is intended to expose faculty and students to distinguished speakers from around the country. You would be free to choose whatever topic you consider appropriate. The colloquia are held for approximately 50 minutes on Wednesday at 4 p.m. We expect an audience of 150 to 200 for your talk.

As I mentioned, we would like to host your visit any time during the winter term, which runs from January 8 to April 22, with the exception of February 24 to 28, the University's spring recess.

I will contact your office by late November to discuss this further. If you wish, you may telephone me at (313) 763-9759. Thank you very much for your time and consideration.

Sincerely,

Roberto Merlin
Professor of Physics
Chair, Colloquium Committee

THE WHITE HOUSE

WASHINGTON

December 12, 1991

Dear Mr. McDougall:

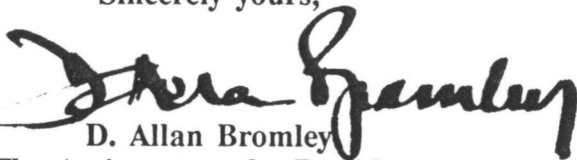
Thank you for your letter of November 27 inviting me to speak at Rochester's 1992 Reunion scheduled for June 6, 1992. I apologize for the much belated response.

With the understanding that it is always possible that Presidential scheduling may force a change in my plans, I would be delighted to accept your invitation. I hope that all will go as planned.

As the time of the Reunion approaches, my office will contact you to work out details for the event. The date is on my calendar and I hope that I will be available to be with you for the Reunion.

I am please that you thought of me and look forward to the occasion.

Sincerely yours,


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

Mr. Gordon A. McDougall
Executive Director
University of Rochester
Alumni Association
Fairbank Alumni House
University of Rochester
Rochester, New York 14627

**UNIVERSITY OF
ROCHESTER
ALUMNI
ASSOCIATION**

November 27, 1991

Dr. D. Allan Bromley
Office of Science and Technology Policy
Old Executive Office Building
Washington, D.C. 20506

Dear Dr. Bromley,

Shirley Brignall from Professor Paul F. Slattery's office at the University of Rochester's Physics Department called you recently to discuss your availability to speak at the University's 1992 Reunion, Saturday, June 6, 1992. I am writing to follow-up on Shirley's call and to formally invite you to participate by giving the University's fourth annual "Lecture of Distinction."

The "Lecture of Distinction" was instituted three years ago. It is given by a prominent alumna/us and follows the President's State of the University Address. Typically, 300-400 alumni are in attendance. Our 1991 presenter was Harvard Law School Professor Arthur R. Miller '56. We would be honored if you would accept and help us continue this prestigious tradition.

A member of our staff, Thomas J. Farrell, will contact you next week. We are very excited about the prospect of your participation and eagerly await your positive response.

Yours for Rochester,



Gordon A. McDougall
Executive Director

*... serving alumni
and the University
since 1853.*

Fairbank Alumni House
University of Rochester
Rochester, New York 14627
(716) 275-3684

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06. Letter	To: Wataru Mori From: Allan Bromley Re: Japanese participation in the SSC (2 pp.)	12/4/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley Correspondence H-M [3 of 4] [1991]

Date Closed:	2/3/2010	OA/ID Number:	62000-007
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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P-3 Release would violate a Federal statute [(a)(3) of the PRA]
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P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

Freedom of Information Act - [5 U.S.C. 552(b)]

(b)(1) National security classified information [(b)(1) of the FOIA]
(b)(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
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(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

PRIME MINISTER'S
COUNCIL FOR SCIENCE AND TECHNOLOGY

Kasumigaseki 2/2/1, Chiyoda-ku, Tokyo, 100 JAPAN

Phone:(81)(3) 3581 1357, Fax:(81)(3) 3581 3079

RECEIVED

NOV 6 1991

November 6, 1991

Dr. D. Allan Bromley
Assistant to the President
for Science and Technology
Old Executive Office Building
17th Street & Pennsylvania Avenue, NW
Washington, D.C., USA

Dear Dr. Bromely:

It was very fruitful and enjoyable, for me, to join the second Carnegie Group Meeting. I believe our frank exchanges of views on science and technology policy made us progress our understanding each other. I do appreciate your every kindness shown to me during the meeting.

Please find several pictures at the meeting. They may remind you the pleasant time at Mount Kisco. Concerning the "family picture", I am sending a negative film to Dr. Beckler, from whom, I hope, will receive enlarged one in near future.

you

I am looking forward to seeing you at the next meeting.

Sincerely yours,

Wataru Mori

Wataru Mori

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9124780

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: MORI, Wataru: PRIME MINISTER'S COUNCIL FOR SCIENCE &
TECHNOLOGY, JAPAN

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/06/91

SUBJECT: RE: HIS SATISFACTION WITH THE CARNEGIE GROUP MEETING
AND A THANK YOU TO DR. BROMLEY FOR FOR HIS KINDNESS.
PHOTOGRAPHS ARE ENCLOSED.

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 11/14/91
FILE: P-INTERNATIONAL-JAPAN

DEPT RECEIVED:

CENTRAL FILES: