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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: 62001
Folder ID Number: 62001-005

Folder Title:
D. Allan Bromley Correspondence N-Z [4 of 4] [1991]

Stack:	Row:	Section:	Shelf:	Position:
	0	0	0	0

Wine Smith

THE WHITE HOUSE

Neo-5.91

Dear Ibaraki:

Thanks for the Japanese article. Things may not be so bleak, however. The Japanese Science Council has voted formally to support the concept I proposed in my talk to it in which a package deal would provide funding both for the

Japanese basic researchers in the main sites and for SSC.

It would be very difficult for Miyazawa to say no to the President and the LDP has set up a formal committee to consider the SSC buy-in.

Thanks again Allan

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9124645

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: WINCE-SMITH, Deborah: DEPARTMENT OF COMMERCE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 10/31/91

SUBJECT: PROVIDING DR. BROMLEY WITH A COPY OF AN ARTICLE
CONCERNING JAPAN'S RESEARCH BUDGET.

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
INTERNATIONAL/POLICY

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

OSTP RECEIVED: 11/04/91
FILE: P-INTERNATIONAL-JAPAN

DEPT RECEIVED:

CENTRAL FILES:

Wince-Smith

THE WHITE HOUSE

Nov. 14, 81

Dear Deborah:

Your memo to Bernardine re
the genome patenting seems right
ed the mark to me!

Well said!

Best regards Sincerely Alice

U.S. DEPARTMENT OF COMMERCE



TECHNOLOGY ADMINISTRATION

THE ASSISTANT SECRETARY
FOR TECHNOLOGY POLICY
TECHNOLOGY ADMINISTRATION

FACSIMILE TRANSMITTAL SHEET

Number of Pages (including cover sheet): 6

Telephone Number: 202/377-1581

Fax Number: 202/377-4817

Room: HCHB 4814-C

Date: 4 Nov. 1991

To: Dr. D. Allan Bromley

Agency/Company: O.S.T.P.

FAX number: 395 - 3261

Telephone number: 456 - 7116

From: Deborah Wince-Smith

Division: The Assistant Secretary for Technology Policy

Telephone: 377-1581

SPECIAL INSTRUCTIONS/MESSAGE: _____

OCT 31 1991



UNITED STATES DEPARTMENT OF COMMERCE
The Assistant Secretary for Technology Policy
Washington, D.C. 20230

MEMORANDUM FOR: Bernadine Healy
Director, National Institutes of Health

FROM: Deborah Wince-Smith *[Signature]*
Assistant Secretary for Technology Policy

SUBJECT: Intellectual Property Protection for the
Human Genome Project

I wanted to let you know that I share your belief that it is imperative to establish appropriate intellectual property protection for the human genome project. It has been firmly established that such protection is absolutely essential to attract industrial sponsors for such projects. Without intellectual property protection there is little incentive for companies to invest in the extensive research and development costs that these large, complex projects entail.

It is also interesting that the Industrial Research Institute (representing many of the most research intensive U.S. companies) polled its members on the Administration's "mega-science" projects to determine which has the most commercial potential. The human genome project won hands down. It is not enough that we pursue basic science without regard to economic considerations. For projects like the human genome to reach their potential the private sector must be an integral partner. Without intellectual property rights being protected this partnership cannot succeed.

I am keenly aware of the controversy that has erupted over this project recently. It is unfortunate that this is generating more heat than light. There is no reason why intellectual property protection need interfere with scientific communication and research. This fear was expressed before passage of the Bayh-Dole Act (P.L. 96-517) and the Federal Technology Transfer Act (P.L. 99-502) which allowed universities and federal laboratories to perform proprietary joint R&D with the private sector. There has been no evidence that these laws inhibited scientific communication. Indeed, university publishing and patenting have both risen since 1980. What has changed though, is that the U.S. taxpayers are receiving an economic as well as scientific return on their investments. In the current economic climate this contribution cannot be ignored.

It is also unfortunate that some critics do not understand the patent system. The filing of a patent application does not imply that science is being "hidden", quite the opposite-- the patent system was designed to encourage public disclosure through the incentive of ownership.

There is also no implication that by filing patents exorbitant prices will be charged for the use of the discovery. Many Government patents are routinely made available non-exclusively with little, if any charge. Indeed, the Commerce Department is patenting the Digital Signature Standard system so that we can ensure that it is appropriately used--- not to "gouge the public." We intend to make this technology available royalty free!

You are to be commended for your leadership in this area. If my office can be of any assistance, please let me know.

cc: Dr. D. Allan Bromley
Dr. Robert White
Dr. James Mason
David McIntosh

By Larry Thompson
Washington Post Staff Writer

The National Institutes of Health appears to be trying to corner the market on human genes.

Last summer, the federal government's bastion of biomedical research applied for patents on 347 human genes—the naturally occurring molecules that dictate the form and function of the human body. Next month, NIH says it expects to file a second application on 2,000 more human genes. Until now molecular biologists had patented only a few human genes, one at a time, as they were identified and used to make biotech products such as insulin and the blood-clot dissolver Tissue Plasminogen Activator (tPA).

The magnitude of NIH's action has ignited a firestorm of criticism. Biotech industry officials worry that government patents will stifle commercial development of gene-based products. Scientific leaders in Europe and Japan predict the filing will trigger an international race to nail down protective gene patents for their own countries.

Among the most vehement objectors has been James D. Watson, who shared a Nobel prize for discovering the gene's double-helix structure. "This offends our sense of justice," said Watson, who now directs NIH's human genome project, a massive program to identify all the estimated 50,000 to 100,000 genes in the human body. Watson's program has been pursuing a much more open approach to finding genes.

Craig Venter, leader of the relatively small, 15-person laboratory within NIH's National Institute of Neurological Disorders and Stroke that is identifying the genes, said he is amazed by the controversy. Using a strategy rejected by genome project leaders, he can "rapidly and inexpensively" find the most interesting genes—the specialized subset of genes that is active in a given type of cell. Critics charge he is skimming off the genetic cream.

The British journal *Nature* has warned that Venter's approach could launch a "patent gold rush" with every country's labs trying to stake out its own genes. If NIH gets

these patents, it will, in effect, control any dollar value that can be derived from their commercial use. While the potential wealth is unknown, the few biotech products already on the market—nearly all being manufactured with the aid of specific genes—have generated hundreds of millions of dollars in sales and will eventually reach billions annually.

"We don't look at patents as a fund-raising tool," said Reid G. Adler, who, as head of the NIH Office of Technology Transfer, filed the patent applications. Adler thought he was protecting the future of the American biotech industry. Once discoveries are described in scientific publications, Adler said, it is more difficult to win worldwide patents.

"I didn't want to miss the boat," he said. "Our primary goal is to get products developed. Having patent protection will enhance our ability to transfer this technology to companies. Without patent protection, companies won't spend the money to develop it."

Almost no one else sees it that way.

"This is a disincentive for small biotech companies," said Richard Godown, president of the Industrial Biotechnology Association. The patents could hamper small biotech companies trying to discover and market new gene-derived products. Companies might risk spending their limited venture capital to develop a product only to find that NIH already "owned" that gene.

Big Scale, Limited Evidence

How can anyone patent a human gene? After all, they are naturally occurring substances that have existed in humans, and their ancestors, for millions of years.

To receive a patent, according to patent office officials, an "invention" must be novel, "non-obvious" to someone in the relevant field, and it has to be useful. The problem of patenting naturally made chemicals first arose years ago in the pharmaceutical industry. Penicillin, for example, is a natural substance produced by fungi, yet it was granted a patent. Moreover, a few human genes have been patented—but in the specially prepared form used to manufacture gene-based drugs.

But no patents have ever been is-

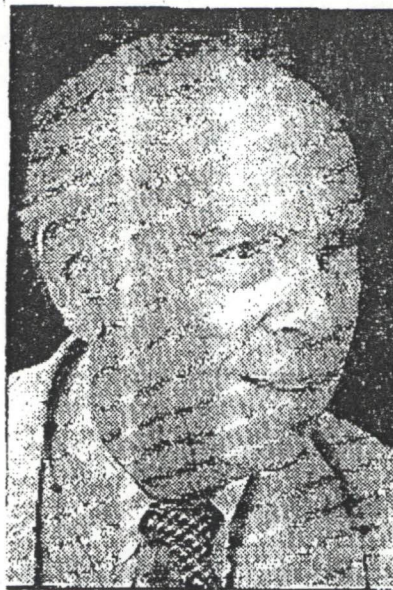
NIH's Rush

to Patent

Human

Genes

Page 1 of 3



"This offends our sense of justice."

— James D. Watson,
NIH human genome project director

sued on the scale proposed by NIH. And seldom have scientists sought such broad patents for a gene and its gene products—the proteins that cells would manufacture under instruction from the gene—on such limited evidence. Venter's gene-analyzing factory, unlike the efforts of the genome project, analyzes gene bits, not the whole gene.

Instead of determining the entire sequence of subunits that make up the gene—the series of "letters" that spell the message—Venter's group analyzes just enough of these newly discovered genes to show that they exist and that the same code has not been reported before. They then leave it to others to finish the time- and money-consuming job of analyzing the entire gene and the protein it makes. But by then, he and NIH will hold the patent.

This approach has been strongly attacked by Watson and others.

"I mean it is brainless work," Watson said. "This is a perfect case of a brainless robot." Science magazine quoted Watson as saying that "virtually any monkey" could run these robot gene machines.

Initially stunned by these attacks, Venter and his staff now take the criticism with some humor: Last week, technicians purchased gorilla masks and posed for photographs in front of their sequencing machines.

Brainless or not, does it qualify for a patent? Opinions vary. Patent attorneys have raised doubts because Venter does not know the



"This is a bit of a tempest in a teapot."

— Bernadine P. Healy,
director of NIH

utility of his new genes. Scientists working in this field also argue that what he did is totally obvious.

While refusing to discuss the NIH application directly, Edward E. Kubasiewicz, director of the patent office's biotechnology group, said that to get a patent for the "DNA that represents the gene, the person has to identify that gene, isolate it, purify it, put it in a different form than it has in nature, and give it a different utility than it has in nature."

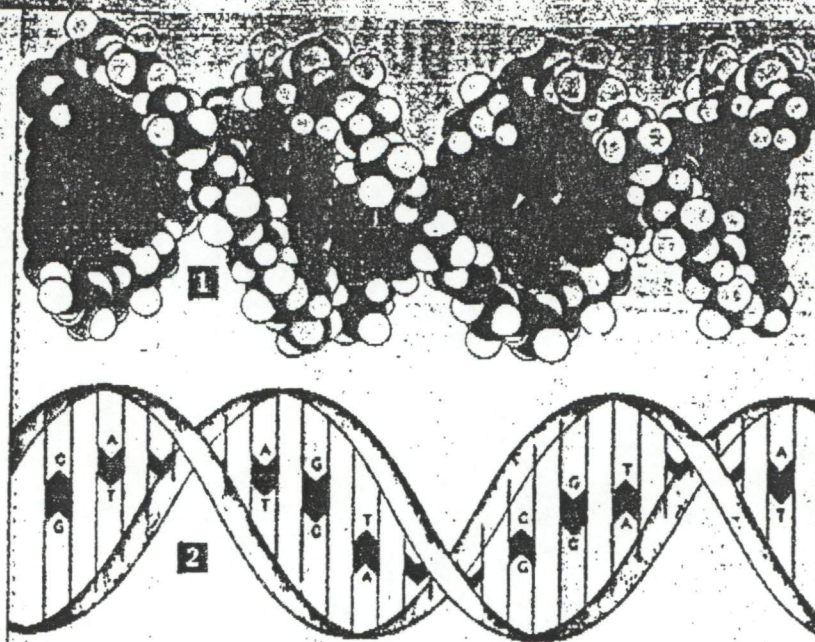
Even within the NIH, the debate has a sense of free-for-all. NIH Director Bernadine P. Healy said she has no intention of blocking the next patent filing even though Watson opposes it.

"One of Jim's strengths is that he is deliciously blunt and has strong opinions on things," Healy said. "My belief, at the present time, is that this is a bit of a tempest in a teapot. I think the discussion has become a little silly because it has been elevated to the level of some moral, science policy, [an] ethical issue."

Meanwhile, Healy said, "the patent office will look at it and see if there is anything here that is patentable."

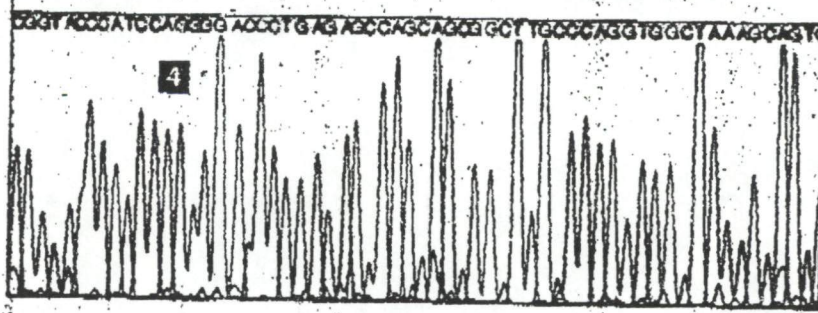
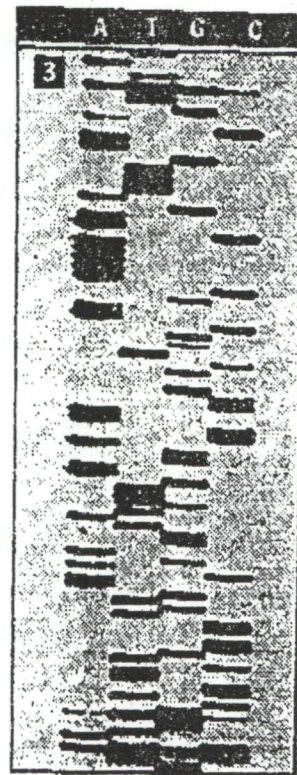
As it happens, the patent office says it will be a year before it can get around to evaluating any applications. Until then, major genome projects in the United States, Europe and Japan may be forced to spend millions of dollars on a gene-finding race just in case Venter and NIH get their patents.

Page 2 of 3



SEQUENCING A GENE

A molecule of DNA [1] is a twisted ladder with rungs made of four kinds of subunits (A, T, G and C) [2]. To learn the sequence, molecular biologists put copies of the gene in four test tubes. Different enzymes are added to each, chopping the genes apart only after an A, a T, a G or a C. Gene fragments are put in an apparatus where an electric current pulls them the length of a slab of gelatin. The four sets of fragments run in parallel, becoming spread out by length [3] as smaller ones move faster. They show up on film because they are tagged with radioactive molecules. Sequence can be read by moving a horizontal straightedge from the bottom up and noting which bands are touched in order. Machines can read the bands, drawing spikes for each subunit [4] and naming it. Printout is actually four superimposed graphs, using a different color for each subunit.



Page 3 of 3

THE WHITE HOUSE
WASHINGTON

September 20, 1991

Dear Wang:

I was delighted to get your news-filled letter of August 13 which arrived while I was away on vacation. As soon as I returned I took off for the west coast and so I hope that you will understand the delay in responding.

Let me first of all thank you for the superb piano disk that you sent me. I really have enjoyed listening to it and you are entirely correct that the playing is done with style.

Your daughter obviously has the appropriate sense of music already and, having just come back from visiting with my 20 month old granddaughter, I was delighted to find that she too has very real preferences in terms of the music that she is prepared to listen to and is already well attuned to a classical repertoire.

I was pleased to get the reprint of your lead paper and will look forward to the DSAM preprint as soon as it becomes available. From the sound of things you are still having a certain amount of good fun and doing good physics at LLNL and Argonne and your proposed experiment on the reversed oxygen plus alpha particle reaction sounds interesting.

I have not been back to Yale recently but gather that there are some major changes. The new accelerator appears to be running exactly as advertised and a lot of good work is on the point of being published.

I should tell you that I did send off the requested letters of reference to Dr. Woodworth.

Again, warmest thanks for the compact disk and all the news. If your travels should bring you to Washington at any time, please do let me know so that we can arrange to have our paths cross.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'D. Bromley', with a long horizontal stroke extending to the left.

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

Dr. Tzu-fang Wang
Physics Division
Lawrence Livermore National Laboratory
Livermore, California 94550

Dear Professor Bromley,

Finally got a chance to report to you what I am doing recently. Andrea and her mom are visiting relatives over Chicago so that I could have a chance to do something else. This baby is restless (18 months old already... still feel like that she was born yesterday). She can at least now recognize 22 characters of alphabetic and speak some simple (few words) sentences and enjoy good classical music. About two weeks ago, I was listening to P.D.Q. Bach (you know, the notorious one) 's 1712(not 1812) overture for fun, she went to the amplifier and pointed at the volume knob and complaint. After I switched Mozart's piano quartet, she stopped complaining and sit back listened till the end of the music.

Thank you very much for your little note to Jolie about my paper on superdeformation, I am pretty sure that you didn't correlated that T.F. Wang with this T.F. Wang. No body would(could) believe I am doing high-spin stuffs these days. As you probably known, I am the person who always teasing people doing γ - γ coincidence measurements since they might miss a lot of 5-MeV γ -rays(a joke, but possible). A good example is the linking transition of the SD band-- no body found any yet. Right now I am still have my doubt about the L=2 assignment (at least for the mass ~ 190 region) is right, I still suspect they are L = 1. For a band of about 1 % intensity and no definite linking to low-lying states (bypass isomer?), I doubt a good DCO measurement (let alone the angular correlation measurement) can be made. A lot of tricky background subtractions invloved (and none of them are right) which also complicated what have seen. Believe or not, I am even doing a DSAM measurement of some interesting bands in ^{198}Pb . Will definitely will send you a preprint. Enclosed please find a reprint of the $^{198,196}\text{Pb}$ paper.

After the shut down of the radioactivity beam facility at Livermore, I was saved by this the so called "shape-isomer task force" -- I always making fun to myself that I am only doing this job for living. This will be my last year with this group, and I am trying to find other positions in the Lab.. I hope with a Q-clearance I be able to find a real job in the Lab. (Help! Help!). Thing interests me most these days is my proposal (one of those once in 6-years) of doing a measurement of the $^{14}\text{O}(\alpha, p)^{17}\text{F}$ reaction. Of course, I bug John (Schiffer) a lot so that he lets me torture his machine (another joke, Lowell Bollinger even supports this experiment).-- I have also enclosed two proposals of this task for your

review. You know I like to do things backward (please do not take it seriously), instead of measuring $^{14}\text{O} + \alpha$ ($\sim 5\text{MeV}$ ^{14}O on a "Helium" target) , I propose to measure $^{17}\text{F} + \text{p}$, even worse a ^{17}F beam (~ 40 or more MeV beam energy because of the Q-value) on a hydrogen target so that you can catch the recoil ^{14}O 's with a spectrograph. The ^{17}F will be produced via $\text{H}(^{17}\text{O}, ^{17}\text{F})\text{n}$ reaction at higher energy (~ 90 MeV) for high production cross-section and then deaccelerate to the usable energy -- only ATLAS can do this job since each resonator behaves like a battery and you can always reverse a battery. Another advantage of doing this deacceleration process is to clean up the primary beam (because of the differences in rigidity and time-of-flight), this method almost costs nothing (apart from the hydrogen target) compared to the other methods. This is something I am pushing (probably John is pushing, too) these days. Hope will work out.

Was over Tower Record yesterday, and was attracted by the background piano music played in the store. Not because I can play all of them but this guy play in such a way that makes me appreciate these pieces more. He is not a perfectionist but he plays with style. Got two copies so that we both can share his music. Listen how slow he plays Schubert's "Moment music", and how light he plays Ivanovici's "Waves", and how unusual he plays first few notes of the Beethoven's "Moonlight". Hope this music will make you feel relaxing after a day of intense work....

With warmest wishes,

Sincerely,

Ju-fang Wang

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9123455
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: WANG, T.F.

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 08/12/91

SUBJECT: TWO PROPOSALS FOR DR. BROMLEY'S REVIEW, " FURTHER
DEVELOPMENT OF SECONDARY BEAMS AT ATLAS" AND
"DEVELOPMENT OF THE A17F BEAM FOR ASTROPHYSICAL
REACTION RATE STUDIES".

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 08/27/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Enclosures to DAB.

OSTP RECEIVED: 08/13/91 FILE: DAB-PERSONAL*PHYSICAL SCIENCES
DEPT RECEIVED:

THE WHITE HOUSE
WASHINGTON

September 20, 1991

Dear Paul:

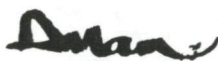
Many thanks for sending me the material from your Adaptation Report. I have now been able to get my hands on what may be the only remaining preprint copies of the Adaptation and Mitigation Reports in existence. I would take this occasion to congratulate you and your colleagues on an outstanding piece of work.

I was also intrigued by the way both the New York Times and Washington Post attempted to bury the brief story that they did on the report. What you have to say and can say, with scientific credibility, is not exactly what many of the journalists have taken to be revealed truths.

All of us will clearly miss Roger Revelle. He was one of the truly great men of science and all of us are diminished by his disappearance from the scene. I had the pleasure of working with him in many different activities over the years and Pat and I had come to consider he and Ellen as among our close friends.

Again, congratulations on an excellent piece of work and with all best wishes to both you and Barbara,

Sincerely yours,



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

Dr. Paul E. Waggoner
The Connecticut Agricultural Experiment Station
Box 1106
New Haven, Connecticut 06504

(203) 789-7826

FAX 789-7232

[illegible]

Box 1106

New Haven CT 06504

4:26 PM EST September 9, 1991

Page 1 of

FAX to Dr D Allan Bromley
Assistant to the President for
Science and Technology
The White House
Washington DC 20500

Dear Allan,

You will recall that the Evans committee on Policy Implications of Global Warming encompassed a panel on Adaptation. I am chairman.

The Adaptation report was released on Friday with subsequent notice in the papers typified by the attached story from the New York Times.

Also I attach the Preface, Findings and Recommendations of the report itself. My reason for attaching the Preface is to show my obituary to Roger Revelle.

Should you or your people want to know more, I am at your service,

Paul E. Waggoner

700

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01. Letter	To: John Woodworth From: Allan Bromley Re: Letter of Recommendation for Tzu-fang Wang [personal information redacted] (1 pp.)	9/20/91	(b)(6)	

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 N-Z [4 of 4] [1991]

Date Closed:	2/4/2010	OA/ID Number:	62001-005
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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: ACTION

DOCUMENT NUMBER: 9123538

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: WANG, TZU-FANG

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE:

SUBJECT: REQUESTS LETTER FROM DR. BROMLEY TO ENHANCE HIS
CHANCES OF GETTING A PERMANENT POSITION FROM HIS
TEMPORARY POSITION AT LAWRENCE LIVERMORE NATIONAL
LABRATORY.

DIRECTORATE

STAFF

ASSIGNED: D. Allan Bromley

ASSIGNED:

ACTION

STAFF

REQUIRED: RESPOND APPROPRIATELY

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 09/04/91

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 08/19/91
DEPT RECEIVED:

FILE: DAB-REFERRAL

Dear Prof. Bromley,

Sorry to bother you so fast after the letter I sent to you about a week ago. I was, as usual, sending my resume around and of course, with you as one of my referees. This is going to be a position working with a group at LLNL Y-division using high power free-electron laser to study hot plasma fusion as well as laser interactions with matters. They are pretty interested in my background, however, they have no idea (they say is negotiable??) to have a permanent position. However, with a strong letter from you, the director of the lab. might could weight things completely differently, and might be able to create a permanent position.

Could you help me on this matter? The position seems very interesting since they've got one of the highest power laser in the world, probably lots of new physics can be studied with this laser. If possible, could you please send (and FAX) a strong reference letter of me to:

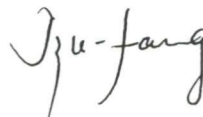
Dr. John G. Woodworth
L-482 POB808
LLNL, Livermore CA 94550
FAX (415)-423-6506
TEL (415)-422-4508

I have also enclosed a copy of my resume for your reference, both Peter and John (Schiffer) will also write for me.

Like to tell you an interesting story about one of my paper concerning about halflife of ^{20}F using radioactive beam technique: I have measured the lifetime and its disagrees with measurements by Alburger, Wilkinson, and Calaprice. Believe or not, our difference is only 20% of one of their time-bins. The referee unfortunately is Alburger and I had one of the toughest fight with referee since I was born (a joke, I certainly won't be able to write a paper while I was born). Finally, I gave up, instead of Phys. Rev. C, I submitted to Nuclear Physics A. About three weeks ago, got accepted. I knew the referee is Alburger since my previous lifetime measurement of ^8Li , the results almost identical to Alburger's measurement, the same referee (who uses the same old-fashioned typewriter to type the referee report) kindly accepted (and praised) the paper and even suggest to add a reference by Alburger et al....

With best wishes and thanks,

Sincerely,



P.S. Please also find a recent photo of Andrea and my father, we were over N.J. Medical School to attend my youngest sister's commencement.

THE WHITE HOUSE

WASHINGTON

June 12, 1991

Dear Joe:

Thank you for your letter of May 14 in which you convey your decision not to serve as a consultant to OSTP to support the PCAST panel on high performance computing.

We will be inviting various private individuals to testify before the PCAST as experts on high performance computing. Appearing as an expert will not entail any Government employment. I hope that your schedule and interest will permit your appearing as an expert, so the PCAST might benefit from your views. We will be sending you a formal invitation, including date and place of the PCAST meeting.

Sincerely,



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

Dr. Joe Wyatt
Office of the Chancellor
Suite 211, Kirkland Hall
Vanderbilt University
Nashville, Tennessee 37240

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

WASHINGTON, D.C. 20506

May 30, 1991

MEMORANDUM FOR D. ALLAN BROMLEY

FROM: MICHELLE K. VAN CLEAVE 
SUBJECT: JOE WYATT AND PCAST PANEL ON HPC

You asked for my comments on the letter you received from Joe Wyatt. He apparently remains confused about the distinction between industry representatives and consultants. (I would note that if Dr. Wyatt is confused, others may be confused as well, reaffirming the wisdom of your decision to limit formal panel membership to PCAST members.) I believe his concerns are now moot. If the other private sector individuals are now being asked to serve as experts, rather than as panel members, Dr. Wyatt may serve in the same capacity, which should obviate his concerns.

As I have discussed with Gene, I recommend that Dr. Wyatt be treated the same as the other outside experts. I would not recommend that he be singled out for special treatment; i.e., he should not be penalized for his reluctance to fill out the consultancy paperwork. It is his right to refuse to fill out the paperwork; he simply cannot serve as a consultant. However, if no one will now be required to be processed as a consultant, neither should Dr. Wyatt.

If you no longer wish to have Dr. Wyatt support the panel, you need not invite him to appear as an expert. There is no legal requirement to include him, but he should not be excluded simply because he refused to fill out paperwork that is now unnecessary.

I would recommend a simple response to his letter such as:

"Thank you for your letter of May 14 in which you convey your decision not to serve as a consultant to OSTP to support the PCAST panel on high performance computing. We will be inviting various private individuals to testify before the PCAST as experts on high performance computing. Appearing as an expert will not entail any Government employment. I hope that your schedule and interest will permit your appearing as an expert, so the PCAST might benefit from your views. We will be sending you a formal invitation, including date and place of the PCAST meeting."

cc: Gene Wong

THE WHITE HOUSE
WASHINGTON

August 1, 1991

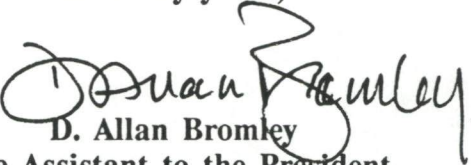
Dear Professor Wells:

Thank you for your letter of July 10 inviting me to join you and your colleagues for the meeting of Chairmen of Biochemistry Departments in U.S. Medical Schools scheduled for January 16-19, 1992. I apologize for the much belated response.

As much as I would like to join you, I must regretfully decline your kind invitation because that particular time is the period set aside for the release of the budget, and it is absolutely essential that I remain in Washington.

Again, I appreciate your thinking of me, and let me offer my best wishes for a successful and productive session.

Sincerely yours,


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

Professor Robert D. Wells
Department of Biochemistry and Biophysics
Texas A&M University
103E Biochemistry Building
College Station, Texas 77843

"LIFE SCIENCES (CORRESPONDENCE TRACKING)"

TYPE: INVITATION DOCUMENT NUMBER: 9122183
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS C

FROM: WELLS, Robert D.: TEXAS A&M UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/10/91

SUBJECT: INVITATION TO ATTEND AND PARTICIPATE IN THE MEETING
OF CHAIRMEN OF BIOCHEMISTRY DEPARTMENTS IN U.S.
MEDICAL SCHOOLS.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED: D.A. Henderson

ACTION STAFF
REQUIRED: ACTION: Response

SENDER'S DUE DATE: 07/30/91
OSTP DUE DATE: 07/30/91 STAFF DUE DATE 07/30/91
DATE COMPLETED: DATE COMPLETED/DEPT: 07/22/91

COPIES TO: LIFE SCIENCES D.A. Henderson

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Originally sent 07/17/91 to DLS FYI, on 07/19/91 Bromley asked
if perhaps DAH should go.

OSTP RECEIVED: 07/16/91
DEPT RECEIVED: 07/19/91

FILE: P-INVITATION



Education • Research • Extension

RECEIVED
JUL 12 1991
TEXAS A&M UNIVERSITY
College of Agriculture and Life Sciences 10 51

Professor and Head
Department of Biochemistry and Biophysics
103E Biochemistry Building
College Station, Texas 77843-2128
Office 409/845-5032
Fax 409-845-9274
TexAn 857-5032

Director and Welch Professor
Institute of Biosciences and Technology
1100 Louisiana, Suite 3050
Houston, Texas 77002
Office 713/751-0485
Fax 713/651-0728
TexAn 850-1680

July 10, 1991

Dr. D. Allan Bromley
Science Advisor to the President
Office of Science and Technology Policy
Old Executive Office Building Rm. 306
17th Street and Pennsylvania Ave., NW
Washington, DC 20506

Dear Dr. Bromley:

The purpose of this letter is to invite you to attend and participate in the meeting of Chairmen of Biochemistry Departments in U. S. Medical Schools. The meeting will be held January 16-19, 1992 at Frenchman's Reef in Saint Thomas, Virgin Islands. A policy session will be held on January 17 or 18 on the subject "Funding Research In The 90s".

You may recall that you accepted my invitation last year to attend the annual meeting held in Kona, Hawaii, and unfortunately, found it necessary to cancel prior to the meeting due to issues in Washington.

The Chairman's meeting is generally attended by 60-80 individuals who are major educators, researchers, and policy makers at our medical schools.

I am confident that the group will greatly appreciate your participation and presentation of views regarding this critical subject.

Dr. D. Allan Bromley

Page 2

July 10, 1991

I look forward to communicating with you in the future regarding this meeting. If you have questions, please feel free to contact me.

Sincerely yours,



Robert D. Wells

RDW/bls

cc: Dr. Ralph A. Bradshaw
Department of Biological Chemistry
California College of Medicine
University of California - Irvine
Irvine, CA 92717

Dr. Moseley Waite
Department of Biochemistry
Bowman Gray School of Medicine
Wake Forest University
300 S. Hawthorne Rd.
Winston-Salem, NC 27103

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

July 22, 1991

MEMORANDUM FOR ALLAN BROMLEY

FROM:

D.A. HENDERSON

SUBJECT:

INVITATION TO MEETING OF MEDICAL SCHOOLS'
CHAIRMEN OF BIOCHEMISTRY DEPARTMENTS

A lovely location for a meeting in January but I have difficulties in justifying such a trip. I was brought up with too much Calvin.

*Will probably
conflict with the budget
release. Too bad.*

*Steve: A nice no is
indicated.
DOB*

THE WHITE HOUSE
WASHINGTON

July 31, 1991

Dear Bob:

Many thanks for sending me the ComSci Yearbook. We were absolutely delighted with the Fellows that we had during this past year and I must really tell you that Janice Howell, Don Pryor, and Tom Russell, really made major contributions to the activities of this office. We were particularly pleased that it was possible to extend Don Pryor's Fellowship for an additional year because he truly did an outstanding job in a variety of areas and is someone of whom Commerce can indeed be proud. I have frequently had occasion to call on him for fast turn-around analyses of a variety of complex issues and in each case he has performed superbly.

I congratulate you on the ComSci Program and I hope that the kind of experience that Ms. Howell and Messrs Pryor and Russell were able to gain here at OSTP will serve them well as they move ahead in their careers. They are three excellent young people.

Again, my thanks and congratulations.

Sincerely yours,



D. Allan Bromley
The Assistant to the President
for
Science and Technology
and
Director
Office of Science and Technology Policy
Executive Office of the President

Dr. Robert M. White
Under Secretary for Technology
Department of Commerce
14th and Constitution Avenue, N.W.
Washington, D.C. 20230

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121986

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: WHITE, Robert M.: DEPARTMENT OF COMMERCE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/03/91

SUBJECT: RE: THE COMSCI FELLOWS ASSIGNED TO OSTP DURING THE
FELLOWSHIP YEAR AND A COPY OF THE YEARBOOK PREPARED
BY THE 1991 FELLOWS.

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
Damar Hawkins
Ken Yale
ADMINISTRATION

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Enclosure to DAB.

OSTP RECEIVED: 07/05/91 FILE: ADMINISTRATION-PERSONNEL
DEPT RECEIVED:



UNITED STATES DEPARTMENT OF COMMERCE
The Under Secretary for Technology
Washington, D.C. 20230

02
HONORABLE D. ALLAN BROMLEY
DIRECTOR
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
ROOM 358, OLD EXECUTIVE OFFICE BUILDING
17TH AND PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20506

Dear Dr. Bromley:

I would like to thank you for the courtesies extended the three ComSci Fellows assigned to OSTP during the fellowship year. It is my understanding that they were involved in a number of important issues; Janice Howell in the Office of Policy and International Affairs, and Thomas Russell in the Office of Industrial Policy, felt as though they made real contributions during their tenure. We are pleased that Donald Pryor, the NOAA participant assigned to the Office of the Associate Director for Physical Sciences and Engineering, has been granted an extension by his agency and will continue at OSTP for an additional year.

These three individuals personify those who participate in the ComSci Program, and we are proud to have such outstanding Fellows in the program every year.

Enclosed is a copy of the yearbook prepared by the 1990-1991 Fellows, detailing their activities in the program.

Thank you again for supporting the ComSci Program, and for making the fellowship year such a valuable experience for Ms. Howell and Messrs. Pryor and Russell.

Sincerely,

Robert M. White, Ph.D.

Enclosure

THE WHITE HOUSE
WASHINGTON

July 25, 1991

Dear Bob:

I am responding to your letter of June 18 requesting input on the operation of the Manufacturing Forum. The concept of a Manufacturing Forum in which leaders of industry, government and universities would be provided with the opportunity of discussing in a non-threatening environment issues relating to the U.S. manufacturing base was, and remains, an excellent one. In my view, one of the reasons for our problems in this crucial area has been that such fora have been lacking.

The Manufacturing Forum has now been in operation for one year. Certain problems have arisen that, unless correctable, could lead to the conclusion that the Forum will not contribute significantly to improvement in the manufacturing climate in the U.S. If correctable, the Forum could provide a uniquely useful mechanism toward this end.

The problems as I see them are as follows:

- It is essential that appropriate Administration leaders, at the highest levels, participate in the discussions of each Forum meeting. This, of course, was the original intent. Because of scheduling conflicts, or lack of commitment, this simply has not occurred. Because of the heavy involvement of the Office of Management and Budget and the Vice President's Council on Competitiveness in regulatory and economic growth issues, I would have thought that their participation in the Forum would have been highly desirable.
- Small business (20-500 employees) should be better represented on the Forum. Two types of small businesses are of particular interest--the high-tech entrepreneurial start-ups and the established small manufacturers that service the large manufacturers. One or a combination of the two should be represented on the Forum.

In view of the critical importance of manufacturing to U.S. economic growth and competitiveness, I think it would be unfortunate if the Manufacturing Forum were not continued for another two years. My suggested structural changes would include these mentioned above. I would make a high priority item discussion of renewal of university manufacturing education in engineering and in business administration, a future agenda item already listed for the Forum.

Sincerely,



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

Dr. Robert M. White
President
National Academy of Engineering
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9121825
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: WHITE, Robert M. and Frank Press: MANUFACTURING FORUM

TO: DR. D.A. BROMLEY

JUN 27 1991

DATE OF
CORRESPONDENCE: 06/21/91

SUBJECT: REQUEST TO HELP EVALUATE THE FORUM'S PROGRESS AND IN
SETTING THE DIRECTION FOR THE FORUM BEYOND THE END
OF 1991, IN A LETTER TO BOB WHITE.

DIRECTORATE STAFF
ASSIGNED: INDUSTRIAL ASSIGNED:

ACTION STAFF
REQUIRED: DRAFT REPLY FOR DAB'S ACTION:
SIGNATURE

SENDER'S DUE DATE: 07/15/91
OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: INDUSTRIAL

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Re-assigned to Industrial 06/27/91.

OSTP RECEIVED: 06/21/91
DEPT RECEIVED:

FILE: *MANFC, FORUM*
INDUSTRIAL TECHNOLOGY

THE MANUFACTURING FORUM

National Academy of Engineering National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

31 JUN 21 A 8:42

Telephone: 202/334-1579

FAX: 202/334-2290

BITNET: CHILL@NAS.BITNET

June 18, 1991

OFFICE OF THE
DIRECTOR

The Honorable D. Allan Bromley
Director
Office of Science and Technology Policy
17th and Pennsylvania Avenue, N.W.
Washington, DC 20506

Dear Allan:

We established the Manufacturing Forum in early 1990 in the belief that the Academies could contribute importantly to focusing attention on key issues affecting the performance of U.S. manufacturing industries by hosting a continuing dialogue among senior leaders from industry, government, and academia.

You and we made an initial two-year commitment, having in mind that we would then evaluate the Forum's progress and its mode of operations and determine whether and how it should continue. We would like your help in this evaluation and in setting the direction for the Forum beyond the end of 1991.

We would appreciate hearing from you, preferably in a letter directed to Bob White, regarding your views on the following matters:

1. Should the Manufacturing Forum continue?
2. Has the Forum made contributions to understanding of manufacturing-related issues that are commensurate with its potential and with the caliber of its members?
3. Would you change the basic charter or structure of the Forum?
4. Are there specific aspects of the Forum's procedures, level or balance of membership, member attendance and participation, agendas, use of outside experts, staff, etc., that you have identified as particularly useful or as particularly problematic? Which aspects would you reinforce, change, or eliminate?
5. Are there ways in which the Forum might be more useful to you in executing your own responsibilities?

The Honorable D. Allan Bromley
June 18, 1991
Page 2

6. What issues should receive the Forum's attention in the future?

To assist you in considering these questions, we enclose a copy of the most recent Manufacturing Forum Status Report, an informal document that includes the current membership, the charter, the agendas of all the meetings, and a summary of major Forum activities.

Thank you for your participation in the Manufacturing Forum and for your help in considering its future directions. May we hear from you by July 15?

Yours sincerely,



Robert M. White
President
National Academy of Engineering



Frank Press
President
National Academy of Sciences

Enclosure

cc: Christopher T. Hill

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02. Report	Status Report of The Manufacturing Forum (16 pp.)	6/91	(b)(4)	

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 N-Z [4 of 4] [1991]

Date Closed:	2/4/2010	OA/ID Number:	62001-005
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

July 30, 1991

Dear Chris:

I am happy to send off a letter on your behalf to Dr. Avi Hauser at AT&T Bell Laboratories. I remember him well from his days at Yale. I share your high opinion of the AT&T Bell Laboratory and if you can find a position there I think you will find it to be very much to your liking.

With all best wishes and the hope that you will soon be settled at Bell,

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'D. Allan Bromley', with a stylized, flowing script.

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

Dr. Christoph Winter
500 Prospect Street
Apartment 2D
New Haven, Connecticut 06511

500 Prospect Street, Apt. 2D
New Haven, CT 06511
July 23, 1991

Dr. D. Allan Bromley
The Assistant to the President for Science and Technology
6716 Tulip Hill Terrace
Bethesda, MD 20816

Dear Dr. Bromley:

Thank you very much for your long and very informative letter. I very much appreciate the time you have spent to help me in the difficult task of finding a job here in the US. I have not yet contacted Erich Vogt at TRIUMF but I have looked into the job situation in Canada. On the same day that I received your letter I was invited to Bell Laboratories for an interview. I had talked to John Ennis and he had mentioned Avi Hauser, a Yale graduate, you are undoubtedly familiar with his name. After reading my resume Bell called me on the same day, and I was invited for Friday, July 25. To my surprise the visa question was not considered significant at all. Needless to say that this cheered me up quite a lot. Before I look into the "Canadian option" I would like to examine the job opportunities at Bell.

Along with the invitation they have asked for letters of recommendation and suggested you along with Peter Parker and Klaus-Peter Lieb from Göttingen. I would thus like to ask you whether you would write a such a letter for me. In that case you should send it to

Dr. Avi Hauser
AT&T
480 Red Hill Road, Room 1K223
Middletown, NJ 07748

I like the "Bell option" very much. Bell is a very exciting company with very diverse interests, and from the recent long article in Physics Today I gained the impression that it is a unique blend of industry and National Laboratory.

Thank you again for the help. I will keep you informed on the outcome of my trip to New Jersey.

Sincerely,

A handwritten signature in dark ink, appearing to read "Christopher White". The signature is fluid and cursive, with a long horizontal stroke at the end.

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03. Letter	To: Avi Hauser From: Allan Bromley Re: Letter of Recommendation for Christoph Winter [personal information redacted] (2 pp.)	7/30/91	(b)(6)	

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 N-Z [4 of 4] [1991]

Date Closed:	2/4/2010	OA/ID Number:	62001-005
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]
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 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]
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 (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

July 9, 1991

Dear Dick:

Many thanks for sending me a copy of your report presented to the First International Sakharov Conference on **Peace, Progress and Human Rights**.

This is a strong, hard-hitting document and I hope that you got an appropriate reaction from those present. I had no idea, myself, as to the magnitude of the problem that you describe.

What kind of follow-up, if any, is in place either in the Soviet Union or elsewhere to respond to some of the incredible activity that you describe?

Again, my thanks and all best wishes. The Nation and the world is indebted to you for your work in this and many related areas.

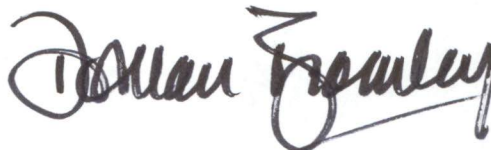
Sincerely yours,



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

Professor Richard Wilson
Physics Department
Harvard University
Cambridge, Massachusetts 02138

1



The Report by Professor Richard Wilson
Harvard University
Cambridge, MA
U.S.A.

The Coordinator of the Chernobyl Theme of the First International Andrei Sakharov Memorial Congress "Peace, Progress and Human Rights" on the Visit to the Armenian-Azerbaijani Border, May 25-29, 1991

Presented to the First International Sakharov Conference on Physics, Lebedev Institute, Moscow on May 31, 1991

1) Preamble

I take no position on the political question of which administrative entity shall rule any individual person of ethnic Armenian or ethnic Turkish origin. However the USSR is a member of the UN and signed various treaties. Azerbaijan and Armenia are bound by these treaties, and are subject to all international laws on human rights.

I know of the turbulent history of the Armenian peoples and all the Caucasian peoples over the centuries and of the last several years including the hundreds of thousands of innocent refugees from both sides. No aspect of this history with its millions of individual tragedies, is justification for any violation of human rights by either the government of Armenia or the government of Azerbaijan. They have the duty to protect the citizens within their territories no matter what their ethnic origin. If they fail in this, the USSR must intervene. If the USSR does not, the UN must call the USSR to account.

2) The arrangements for the visit

I travelled as part of a "group of experts" of the 1st International Sakharov Conference "Peace, Progress and Human Rights" on May 25-29, 1991, led by Baroness Cox of Queensbury, Deputy Speaker of the House of Lords, United Kingdom.

We had visas for Erevan and Baku, approval from the USSR, but promises of protection only from the authorities of Armenia¹. We therefore started our visit in Erevan, Armenia. Although the protection of Azerbaijanian authorities was lacking, I and five others crossed the Armenian-Azerbaijani border at one location near Voskepar and other members of the group at two other locations. I interviewed villagers on both sides of the border; and talked to a major of the Azerbaijan OMON (the Azerbaijani local defense force), and the regional head of the Armenian KGB.

¹On Friday, May 31, five other members of the group met President Mutalibov of Azerbaijan for four hours in Baku. However, they were denied permission to visit Stepanekert or any other area of Azerbaijan with ethnic Armenians.

The group, including myself, met refugees from the town of Getaushen (Tchaikend) (3000 inhabitants) who had been deported in the last month. Among the refugees we met families of ethnic-Armenians held prisoner in Azerbaijan. We met Armenian physicians who had gone to Nagorny-Karabakh to treat the sick. The physicians had been jailed and beaten. We photographed their bruises.

Others of the group met refugees from other locations, and interviewed Soviet Army officials. When together, we compared notes and corrected minor discrepancies.

3) There was a remarkable consistency between the stories of individual villagers, and of others. I believe, that this consistency attests to the truth of their stories. During the deportations there were numerous civil rights violations of several types.

- killings
- multiple killings
- beatings
- forced abductions and imprisonments
- rapes
- stealing of property and livestock or buying for an insulting price (a car for 2 roubles!)
- obtaining "voluntary" requests to leave Azerbaijan at gunpoint or by other threats
- tearing ears of girls by forcible removal of earrings.

We found no evidence, in spite of diligent enquiry, that anyone recently deported from the village of Getaushen left it voluntarily.

Although most, if not all, of the beatings and killings were carried out by the Azerbaijan OMON, the Soviet Army was clearly not passive. They organized the initial surrounding of the village and then stood aside while the OMON terrorized the villagers. The Soviet Army arranged the transport of the villagers who were left on the Armenian side of the border with only the clothes they were wearing.

4) I paid especial attention to the situation in the Armenian village of Voskepar in northeast Armenia, and the neighboring village of Nishki-Voskepara in Azerbaijan. Intense fighting took place in Voskepar April 27th to May 6th. It is perhaps worthy of note that Armenia refused to sign the new Union treaty of April 23rd.

There were Soviet internal troops on both sides of the border. On the Armenian side under Captain Baginski and on the Azerbaijani side under Colonel Makarichin. The villagers in Voskepar trusted and entertained Captain Baginski's troops.

On April 27th firing started from the Azerbaijan side, on cars on the Armenian side of the border. The drivers fled on foot. When it was dark, the deputy mayor of the town went to the road junction, to cope with the cars. A Soviet armored car was there and called by radio for instructions: "We are under

3

fire; what shall we do?" "Do not fire". The chief of the regional KGB, Lev Arisimovich,gave us "hearsay" evidence that Captain Baginsky was told that this troops would be fired on if they got involved. Three days later the regiment of Soviet internal troops on the Armenian side withdrew. (Date confirmed by Soviet general in Erevan).

A detachment (25 or 29 I am not sure which) of Armenian militia, under orders of the Ministry of Internal Affairs of Armenia, were coming to Voskepar by a back road at 5 a.m. on 6th May when they were ambushed by two Soviet army helicopters. Eleven were killed and the rest taken prisoner. The Armenians believe the prisoners have been handed over to the hated OMON.

We saw about six damaged houses in Voskepar. In addition, 20 houses were burned out (by gasoline) and a church near the border, with Azerbaijan. No villager dared to go there since.

To complete our picture, it was necessary to hear the views of the Azeri villagers and their OMON. The Armenian villagers tried to persuade us to go. "It is dangerous. We cannot protect you." We left the villagers behind and set off to walk the 1,5 km to the abandoned church and the OMON headquarters in the school of Nishki-Voskepara just beyond.

It seemed to take a year to walk that distance. Soon two OMON militia could be seen with submachine guns, then 5, then 20. With no incident, we, five plus interpreter, climbed the hill to the waiting OMON and Azeri villagers.

The parents of Major Moblounda, an ethnic turk, were sent from Georgia to Uzbekistan in 1944 for which he blames Stalin and Mikoyan. Born in Ferghana in 1950, he had to leave two years ago with the Uzbek uprisings. It is sad that there should be so many tragedies in the one family. But they do not justify revenge.

We were shown the damage to the school and several houses caused by Armenian shells. We asked, but were given no dates of the damage and they seemed over a year old. On the whole, the older damage seemed greater in the Azeri side, but there was more and more recent damage on the Armenian side. The Major gave us a message for the Armenians.

"Tell them we will not give them an inch of our territory. When they were asking in a civil manner we gave them 200,000 hectares. By force they will not get an inch. If they are bad we will be bad. If they are good we will be good." Other members of the group got similar statements in other locations.

Recommendations

My personal hope is that President Ter-Petrosian of Armenia and President Mutalibov of Azerbaijan visit these villages, and other points of conflict and side by side walk the same road, and reassure the villagers by their presence that fighting on both sides will cease. On Wednesday 29th May, many of our group met with Marshal Yazov at the defense ministry. We asked that each and every prisoner taken by the Soviet army be granted civil rights regardless of his alleged crimes. Their civil rights include, but are not limited to:

4

- the right to hear a specific charge
- the right to be held in a prison remote from the conflict with jailers who are not parties to the conflict
- the right not to be beaten and to have medical care
- the right to have legal representation including representation by international jurists
- the right to communicate with their friends and families
- the right to a prompt and fair trial

Marshal Yazov agreed to look into this matter personally. It is up to others to make sure that he keeps his promise.

In view of the evident involvement last month, of the Soviet Army on one side of the conflict, in violation of Soviet Law and of human rights, I suggest that this conference pass a resolution.

"Members of the 1st International Sakharov Conference on Physics, present at the afternoon meeting in Moscow on May 31, 1991, having heard the report of one of our number, Professor Richard Wilson of Harvard University, call upon Mikhail Gorbachev, President of the Soviet Union. We ask that he notice the obvious involvement of regular troops of the Soviet Army in gross violations of civil rights during the last five weeks. We ask that he call a halt to all mass deportations. We ask that he order that those persons forcibly deported from their ancestral villages be allowed to return home. Finally, we ask that the OMON troops be asked to withdraw from the border and preferably disband, and the Soviet troops be from other republics. Finally, we suggest that he invite UN observers to preserve the peace, the protect the civil rights of all citizens of the region."

Voted by a majority of those present (about 150) with one against and seven abstainers.

Academician Keldysh in the Chair.

c:\papers\rw\armenian.doc

THE WHITE HOUSE
WASHINGTON

July 9, 1991

Dear Professor Wan:

Your letter of May 16 concerning your experiences as a member of the President's Committee for the National Medal of Science is a most useful one and the points you make are extremely well taken.

In as much as I share your perception, I am slowly trying to change the character of the Committee but, as you know the viscosity of the Presidential appointment process can at times be remarkable.

With your permission, I shall make some of your remarks, appropriately edited to protect the guilty, available at the next meeting of the Committee and will look forward to the opportunity of working with you in other capacities. It is clear that you have a wealth of experience than can be of great value to the Administration.

I remain convinced that it would be desirable to reduce the number of Medals, both in science and of technology, and to associate with them a substantial monetary award. As things now stand, the numbers have become large enough so that the special honor involved has become somewhat diluted and it has become well-nigh impossible to obtain the kind of press coverage that one would like to see.

Again, my thanks for writing and with every good wish,

Sincerely yours,



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

Professor Yuet Wai Wan, M.D., F.R.S.
Louis K. Diamond Professor of Hematology
University of California U 426
San Francisco, California 94143

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121505

FROM: WAN, Yuet Wai: UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/16/91

SUBJECT: WAN'S IMPRESSIONS OF THE PRESIDENT'S COMMITTEE ON
THE NATIONAL MEDAL OF SCIENCE.

ASSIGNED TO:

Makes an excellent point.

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED: -----

COPIES TO: D. Allan Bromley
Damar Hawkins
Ken Yale

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/28/91

FILE: AWARDS

YUET WAI KAN, M.D., F.R.S.
Louis K. Diamond Professor of Hematology
University of California, U 426
San Francisco, California 94143-0724
(415) 476-5841 FAX (415) 566-4969

University of California, San Francisco . . . A Health Sciences Campus



May 16, 1991

Dr. F. Allan Bromley
Director, Office of Science and
Technology Policy
The White House
Washington, DC 20500

Dear Dr. Bromley:

I indicated to you during the recent meeting of the National Academy of Sciences that I would like to give you my impressions of the President's Committee on the National Medal of Science. I have just completed my three year term on this Committee.

The President's Committee for the National Medal of Science has been receiving an increasing number of applications from diverse disciplines. The members that constitute the Committee do not have sufficient expertise in all of the different areas. I am most familiar with the area of biological sciences and will use it as an example. There are three members, David Challoner, Samuel Conti, and myself. Rita Ricardo-Campbell, who is a social sciences expert, occasionally participates in the selection of biological sciences candidates.

While I have no reason to doubt that Drs. Challoner and Conti are excellent respectively as administrator of medical school and dean of graduate training, neither has been involved in research for a number of years. A search of Medline showed that although Dr. Challoner had previously been involved in clinical research, he has only published a handful of papers on health education policy in the past ten years. I was unable to positively identify any scientific papers published by Dr. Conti or by Dr. Ricardo-Campbell from the Medline search. Therefore, I was the only member of this panel who has been and is still active in biomedical research. (For your reference I am enclosing my *Curriculum vitae*.) While I understand that a number of different factors are considered for the Committee, scientific expertise should also be an important component.

The number of experts in each scientific area is too small. As this number is mandated by the Congress, it would be difficult to increase it. However, the Committee should form subcommittees in various scientific specialties and formally recruit outside experts as consultants at some preliminary meeting and then discuss the candidates. The Committee could have a final meeting for selection.

The meeting is too short. Although it is scheduled as a one-day meeting, we usually start at 9 a.m. and finish shortly after 1 p.m. More discussion should be devoted to the selection of this very important prize.

It has been a pleasure to serve with you on this Committee. I hope your effort to increase the visibility of the medal will succeed, as the medalists should receive the attention they deserve.

Sincerely yours,



Y.W. Kan

THE WHITE HOUSE
WASHINGTON

July 9, 1991

Dear Jerry:

Many thanks for sending me your 1983 talk **Setting Scientific Priorities: It Can Be Done**. I realized after I had read through this that you must have sent me a copy back about eight years ago because many of the passages had stuck firmly in my mind. It was an excellent statement then and it remains one now.

We are working manfully to try to resuscitate NASA's space science budget but I must say that there is a major misconception in the community to the effect that the competition is between space and science, or between big science and little science when, in fact, it is between investments in the future and immediate consumption.

If the scientific community becomes identified as one of the major causes of the defeat of the space station in the Senate, there are enough space buffs in the Administration and in the Congress to make my job exceedingly difficult in terms of trying to maintain the positive funding trends for science and technology that have existed during the past two years.

I was sorry that I missed the trip to CalTech when the President was out there for commencement but look forward to being there later in the year.

With warmest best wishes,

Sincerely yours,



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

Professor J. G. Wasserburg
California Institute of Technology
Division of Geological and Planetary Sciences 170-25
Pasadena, California 91125

"CORRESPONDENCE TRACKING"

DOCUMENT NUMBER: 9121948

TYPE: INFORMATION
ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: WASSERBURG, G.J.: CALIFORNIA INSTITUTE OF TECHNOLOGY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/02/91

SUBJECT: A COPY OF A SPEECH ON SCIENCE POLICY

DIRECTORATE
ASSIGNED: STAFF
ASSIGNED:

ACTION
REQUIRED: STAFF
ACTION:

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

COPIES TO: D. Allan Bromley

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

REMARKS:

OSTP RECEIVED: 07/02/91
DEPT RECEIVED:

FILE: BROMLEY-PERSONAL

CALIFORNIA INSTITUTE OF TECHNOLOGY

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES 170-25

JUN 2 11:33

CHIEF OF
DIRECTOR

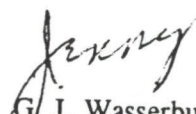
27 June, 1991

Dr. D. Allan Bromley
Science Advisor to the President
The White House
Old Executive Office Building #358
17th and Pennsylvania Avenue, N.W.
Washington, D. C. 20506

Dear Allan:

Well, we heard the speech by the man. Some of us tried desperately to find the profound things you had written, but they were not terribly apparent to us. I am sorry you couldn't make it, but my wine cellar hopefully is still in good shape. I would be happy to share some of California's best with you. Thinking about the speech I was reminded of a speech I made many years ago on science policy in Washington. While packing up some junk in my house (since we are moving), this document fell out of some old carton. I am sending it to you to read while sitting on the throne. It is a bit long winded; parts may be right, parts may be wrong, and many stories are as good to me now as when I told them. I doubt anything is of use, but you might enjoy reading it when you have nothing better to do.

Very best personal regards,



G. J. Wasserburg
John D. MacArthur Professor
of Geology and Geophysics

P.S. The current tragedy of the Congressional action of butchering the space science budget is really out of sight, and is, to some extent, the consequence of erroneous actions and recommendations made earlier about which I wrote you. Now we have the devil to pay.

GJW:kv

March 2, 1983

#436

SETTING SCIENTIFIC PRIORITIES: IT CAN BE DONE

From Seminar "The Changing Structure of the U.S. Research System",
Graduate Program in Science, Technology, and Public Policy
George Washington University,
Washington, D.C., December, 1982

Dr. Gerald J. Wasserburg
Smithsonian Regents Fellow
National Air and Space Museum
and
John MacArthur Professor of
Geology and Geophysics
California Institute of Technology

Introduction

I am delighted to be in Washington as a Regents Fellow at the Air and Space Museum and am honored to be your speaker this evening. My wife and I are enjoying the numerous sites and cultural benefits of Washington. Overall, my impression of the city as temporary resident is far more favorable than I had gotten over two decades of flying in and hurridly going from federal building to federal building with a suitcase and briefcase in each hand, struggling to attend meetings and gathering more reams of paper than I could read. And then to find a taxi to get to the airport to escape back home with an aggravated case of bursitis. At best, I considered this as a place to get acid indigestion and hypertension. Well, now I have more perspective - the city is beautiful and a symbol of regularity and sanity. Last week, my wife and I walked up Capitol Hill to see the cherry trees blooming in mid-December after being evacuated from my office because some beserk man was threatening to blow up the Washington Monument because some other people were pushing dense pack. By Sunday, we went for a walk in the snow.

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04a. Letter	To: Christoph Winter From: Allan Bromley Re: Response to 5/22/91 letter [personal information redacted] (2 pp.)	7/9/91	(b)(6)	

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 N-Z [4 of 4] [1991]

Date Closed:	2/4/2010	OA/ID Number:	62001-005
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.
04b. Letter	To: Allan Bromley From: Christoph Winter Re: Seeking employment advice [personal information redacted] (2 pp.)	5/22/91	(b)(6)	

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 N-Z [4 of 4] [1991]

Date Closed:	2/4/2010	OA/ID Number:	62001-005
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)]

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

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

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(b)(1) National security classified information [(b)(1) of the FOIA]
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(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: ACTION

DOCUMENT NUMBER: 9121565

FROM: WINTER, Christoph

TO: Dr. D. Allan Bromley

DATE OF
CORRESPONDENCE: 05/22/91

SUBJECT: REQUEST FOR ASSISTANCE IN WINTER'S TRANSITION FROM
ACADEMIA TO INDUSTRY. HE WOULD LIKE TO WORK IN R&D
MANAGEMENT WITH A PATH INTO BUSINESS AND STRATEGIC
PLANNING.

DIRECTORATE

ASSIGNED: D. Allan Bromley

STAFF

ASSIGNED:

ACTION

REQUIRED: AS NECESSARY

STAFF

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 06/14/91

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/31/91

FILE: BROMLEY CORRESPONDENCE

THE WHITE HOUSE

WASHINGTON

April 26, 1991

Dear Jerry:

Many thanks for sending me a copy of your note to Frank Press about the recent report on the Space Station as well as the earlier recommendations on EOS.

I am in full agreement with your statement and have already had occasion to talk to Frank about both of these reports.

In the case of the EOS report, while the report itself was not too bad, the Executive Summary did not really reflect the report and the original version of the transmittal letter addressed to me from Frank and Bob White was so different from either the report or the Executive Summary, that I objected vigorously. In the end, both the Executive and the transmittal letter changed, but your comments still apply.

In the case of Lou Lanzerotti's report, I again share your point of view. I do not really argue all that much with Lou's Panel's conclusions, but I do argue vigorously with their premise. They took the statement supporting space science in the Augustine Report as justification for concluding that the only valid justification for the Space Station would be its science programs.

In a study that we did in my office for the Vice President we found, after considerable examination, that from our point of view the only valid justification for the Space Station is that of its being the first step in taking humans on an exploration foray away from the home planet. Once you make that decision then it becomes clear that the science that most needs doing as a prelude to the second step is life science, specifically directed toward better understanding of the effects of prolonged weightlessness on humans. We emphasized in our report the importance of having a human scale centrifuge eventually on the Space Station because we do not know yet how the human reacts to gravitational forces in the range between zero and 1g. There may well be thresholds or vast nonlinearities and it is vitally important for us to know whether providing point .1g, for example, can largely eliminate many of the negative effects of weightlessness.

We also concluded that although there may, as always, be major surprises in the microgravity arena, the best judgement we have been able to obtain thus far, both from national labs and universities and from the private sector folk who are thinking about these matters, suggests that microgravity research really does not in itself provide any adequate justification either for building the station or for special facilities on the station. We recommended that microgravity experiments be carried out during the several years during which the Station will be man-tended and under construction, but that once it becomes manned on a full-time basis, microgravity experiments can better be carried out on free-floating platforms with robotic handling.

The best comment I have heard yet on the cost effectiveness of the Space Station is one due to Richard Darman who pointed out that once could have said that "the Nina, Pinta, and Santa Maria were not a cost effective set of platforms for the study of motion sickness!"

Again, thanks for sending me your note. It is important that people like you make your feelings known to Frank because sometimes there is a tendency for the Academy to get a little off track.

With all best wishes,

Sincerely yours,



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

Professor G. J. Wasserburg
Division of Geological and Planetary Sciences 170-25
California Institute of Technology
Pasadena, California 91125

"CORRESPONDENCE TRACKING"

TYPE: ACTION

DOCUMENT NUMBER: 9121047

FROM: WASSERBURG, G. J.: CALIFORNIA INSTITUTE OF TECHNOLOGY

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/09/91

SUBJECT: RE: A LETTER TO FRANK PRESS CONCERNING THE RECENT
REPORT ON THE SPACE STATION.

ASSIGNED TO: D. Allan Bromley

ACTION REQUIRED: IF APPROPRIATE

SENDER'S DUE DATE: OSTP DUE DATE: 04/23/91

DATE COMPLETED:

COPIES TO: Dr. Wong

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 04/09/91

FILE: SPACE

FAX 202/395-3261

CALIFORNIA INSTITUTE OF TECHNOLOGY

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES 170-25

2121047
RECEIVED

APR 9 3:41

OFFICE OF THE
DIRECTOR

9 April, 1991

Dr. D. Allan Bromley
Assistant to the President
for Science and Technology
The White House
Old Executive Office Building #358
17th and Pennsylvania Avenue, N.W.
Washington, D.C. 20506

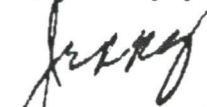
Dear Allan:

Here is a note I have written to Frank about the recent report on the Space Station. I think the report is flawed, although I am not a supporter of the Space Station for doing science, as it certainly cannot be justified by scientific goals. However, if we are going to require long-term piloted missions, then we must check out thoroughly those biomedical aspects related to this goal.

In addition, I think the earlier recommendations on the EOS are also flawed. It is tragic that an evolutionary program was not recommended instead of one enormous splurge whose quality does not justify the commitment, and which will freeze out the evolutionary and developmental aspects that are imperative for good science.

The blind copy of the letter to Frank is sent to you as a member of the NAS and because of your interest in the issues.

Very truly yours,



G. J. Wasserburg
John D. MacArthur Professor
of Geology and Geophysics

P.S. Have you thought of a way to shut off solar flares, or do we need a super-heavy lift capability for just the shielding?

GJW:kv
Attachment (1)

CALIFORNIA INSTITUTE OF TECHNOLOGY

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES 170-25

April 1, 1991

Dr. Frank Press
National Academy of Sciences
2101 Constitution Avenue
Washington, D.C. 20481

Dear Dr. Press:

At our last regional meeting there was some discussion of the role of the NAS regarding the NRC and the nature and quality of the NRC reports. In particular, concern was expressed about the adequate participation of NAS members on the appropriate committees and on their proper participation in the report review committee. In addition, there is, on my part, a most profound concern that the NAS present astute and balanced reports on selected important issues. These reports should reflect on previous NAS recommendations and when good judgement indicates change in their recommendations, the reasons for change should be appropriately explained. There is often a request that evaluations be made and reports with recommendations issued in a timely manner. However, the need for timeliness should not in any way weaken or prevent the exercise of proper and thorough procedures. The NAS should be responsive to requests from the government, and provide technically sound and wise advice, but it should not act as an instrument of tactical decision making or of instant advice on short range issues unless the NAS has defined a broader strategic level of evaluation and advice. It is clear that evaluation on specific programmatic issues can be given when there has been a study and report on the broader issues at hand. Certainly, excessive pressure to issue reports on a rapid time scale should be avoided whenever possible. Whatever the report may be, the report should reflect careful thought and analysis and should be crafted in a deliberate fashion to represent the considered NAS views for the issues at hand. NAS/NRC reports should properly reflect the careful analysis and dignity of the NAS.

In my view, this approach has not been carried forward in several reports that I have read. One such example was the contribution of EOS - US Global Change Program an assessment of FY90-91 Plans, Part II.

The most recent example of a difficulty is the release on 14 March 1991 of the Space Studies Board Position on *The Proposed Redesign of the Space Station*. It starts with a summary that appears to be dominated by the Augustine Committee report. It does not place a broad level of assessment of what the overall objectives of the space station may be and the extent to which some aspects of science, applied science or technology are its primary goals. The presentation then turns to the title "*Research Return on Taxpayers Investment*". The competence of the Board to address this issue is not evident nor is it a desirable judgement without a very broad view over many fields. It then turns in the next topic to Life Sciences Research and Microgravity Research. A critique is presented without having established what if any objectives should be met and on what time scale and how these objectives are related to the primary goals of the space station. It then concludes with a short statement on National Goals and their Achievement. However the analysis, or rather commentary, in these passages does not appear cogently argued. Indeed, it states that "most of whose goals could be achieved in both a more timely and more

CALIFORNIA INSTITUTE OF TECHNOLOGY

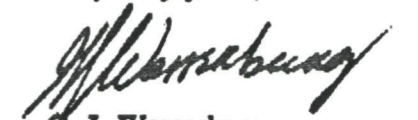
PASADENA, CALIFORNIA 91125

Dr. F. Press
April 4, 1991
Page 2

cost-effective manner by alternative means". The meaning of this is not clear as written, although consideration of the information in the attachment indicates a direction. The more substantial statements of the report only appear in the attachments. Aspects of these statements should be in the summary of the report.

In summary, it is my view that this short position paper was written too rapidly and without adequate care. It was also not thoroughly reviewed. The reason for urgency may be clear; the reason for haste is not clear. The NAS and the NRC should do much better than this.

Very truly yours,


G. J. Wasserburg
John D. MacArthur Professor
of Geology and Geophysics

GJW/dt

cc: P. Raven
L. Lanzerotti

THE WHITE HOUSE

WASHINGTON

April 18, 1991

Dear Jack:

Many thanks for your letter inviting me to spend a weekend with you at The Homestead in Hot Springs.

This is an invitation that I would very much have liked to accept but, unfortunately, throughout the entire period of your meeting I shall be in the Soviet Union where I will be chairing the second meeting of the Joint US/USSR Commission on Fundamental Research.

I would much rather have been at The Homestead both because my past visits there have been extremely pleasant and because the group that you are pulling together is a most interesting one and one with which I would have looked forward to meeting and talking.

Again, my thanks for your invitation; I very much regret that I cannot accept this year and know that you will understand that my schedule simply will not permit it.

With warmest best wishes,

Sincerely yours,



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

Mr. John F. Welch, Jr.
Chairman
The Business Council
888 Seventeenth Street, Northwest
Washington, D.C. 20006

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION

DOCUMENT NUMBER: 9121035

SPEECH: YES NO

FROM: WELCH, John F.: THE BUSINESS COUNCIL

DATE OF EVENT: 05/09/91

LOCATION OF EVENT: THE HOMESTEAD, HOT SPRINGS, WV

TIME OF EVENT:

SUBJECT: INVITATION TO BE A GUEST OF THE COUNCIL FOR THE
WEEKEND.

RSVP: 04/22/91

CONTACT PERSON:

CONTACT NUMBER:

INVITATION ACCEPTED? YES NO

COPIES TO:

REMARKS:

DATE OF LETTER: 04/03/91

DATE RECEIVED: 04/08/91

FILE: INVITATION

THE BUSINESS COUNCIL

RECEIVED

JOHN F. WELCH, JR.
Chairman

ROBERT E. ALLEN
Vice Chairman

H. BREWSTER ATWATER, JR.
Vice Chairman

WALTER V. SHIPLEY
Vice Chairman

JOHN A. YOUNG
Vice Chairman

888 Seventeenth Street, N.W.
Washington, D.C. 20006
Telephone: (202) 298-7650
FAX: (202) 785-0296

91 APR 8 P 3: 07

OFFICE OF THE
DIRECTOR

JEAN H. CARTER
Executive Director

April 3, 1991

The Honorable D. Allan Bromley
Assistant to the President and
Director of the Office of Science and Technology Policy
The White House
Washington, DC 20500

Dear Allan:

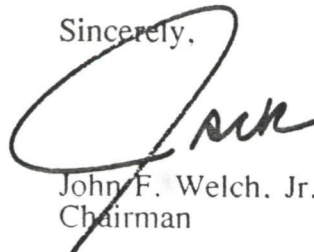
The Business Council will be meeting at The Homestead in Hot Springs in May, and I want to extend a warm invitation to you and Mrs. Bromley to be guests of the Council for the weekend.

The Council regularly invites guests who are not scheduled as speakers, but who, we believe, will have a special interest in topics on the agenda and will add to our discussions. In addition to morning sessions on the economy and the environment, we will hear from Dr. Henry A. Kissinger as the Friday evening dinner speaker.

We would be very pleased if you could be with us for the entire program, beginning with a reception and dinner on Thursday evening, May 9, and concluding at Noon on Saturday, May 11.

I look forward to hearing from you.

Sincerely,



John F. Welch, Jr.
Chairman

Enclosure

THE WHITE HOUSE

WASHINGTON

March 29, 1991

Dear Dr. Watts:

Thank you for your letter of February 28, 1991, inviting me to present the keynote address at your international workshop scheduled for June 1-6, 1991, in Palm Coast, Florida. I apologize for the much belated response.

Given that matters concerning the environment are high on our priority list, I would have been very interested in participating in your workshop. However, I will be travelling during that time, so I must regretfully decline your invitation.

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

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

Dr. Robert G. Watts
Director
National Institute for Global Environmental Change
Tulane University
605 Lindy Boggs Center
New Orleans, Louisiana 70118-5674

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION-SPEECH

DOCUMENT NUMBER: 9120697

SPEECH: YES NO

FROM: WATTS, Robert G.: TULANE

DATE OF EVENT: 06/01/91

LOCATION OF EVENT: PALM COAST SHERATON, PALM COAST, FLORIDA

TIME OF EVENT:

SUBJECT: REQUEST TO GIVE THE KEYNOTE ADDRESS FOR THE
INTERNATIONAL WORKSHOP, "THE ENGINEERING RESPONSE TO
GLOBAL ENVIRONMENTAL CHANGE: PLANNING A R&D AGENDA."

RSVP:

CONTACT PERSON:

CONTACT NUMBER:

INVITATION ACCEPTED? YES NO

COPIES TO: Nancy Maynard
Thomas Ratchford

REMARKS:

DATE OF LETTER: 02/28/91

DATE RECEIVED: 03/11/91

FILE: INVITATION-SPEECH

Tulane

605 Lindy Boggs Center
New Orleans, LA 70118-5674
(504) 865-5250
FAX: (504) 8655345

RECEIVED

MAR 11 AM 11:43

OFFICE OF THE
DIRECTOR

NIGEC

ROBERT G. WATTS
Director
VICTOR J. LAW
Associate Director

February 28, 1991

D. Allan Bromley
Assistant to the President for Science and Technology
360 Old Executive Office Building
17th and Pennsylvania N.W.
Washington, D. C. 20506

Dear Mr. Bromley:

The National Institute for Global Environmental Change - Southern Regional Center is organizing an international workshop called *The Engineering Response to Global Environmental Change: Planning a Research and Development Agenda* to be held at the Palm Coast Sheraton in Palm Coast, Florida, June 1-6, 1991. A planning session for the workshop was recently held at the Southern Regional office at Tulane University and the enclosed packet was produced. This packet is a working document for the organization and development of the workshop. As you can see, the goal of the workshop is to produce a scientifically based document to assess the needs for future research and technological development necessary for appropriate science and engineering responses to global climate change.

I am writing to invite you to give the Keynote Address for the workshop. You will see on page 10 of the enclosed material, the organizing group has planned for the Keynote Address to be delivered either on Saturday night, June 1 or on the following Wednesday night, June 5. But I am sure we would be most delighted to accommodate your schedule by planning for you to speak at any time during that week. Should you have any questions or need additional information about the workshop please do not hesitate to contact me at the above number and address.

Thank you for your time and consideration and I do hope that you can find time to address our group.

Respectfully,



Robert G. Watts
Director

National Institute for Global Environmental Change
Southern Regional Center
Tulane University

THE WHITE HOUSE

WASHINGTON

March 15, 1991

Dear Professor Weertman:

Thank you for your letter of February 28, 1991, inviting me to deliver the Hilliard lecture scheduled for Friday afternoon, June 21, 1991 and to join you for breakfast before commencement on Saturday, June 22.

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 my address and the commencement approaches, my office will contact you to work out details for my visit.

I am looking forward to meeting with you.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "D. Allan Bromley". The signature is fluid and cursive, with a large initial "D" and a long, sweeping underline.

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

Professor Julia R. Weertman
Department of Materials Science and Engineering
Northwestern University
2145 Sheridan Road
Evanston, Illinois 60208-3108

June 21
k

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION-SPEECH

DOCUMENT NUMBER: 9120636

SPEECH: YES NO

FROM: WEERTMAN, Julia R.: NORTHWESTERN UNIVERSITY

DATE OF EVENT: 06/21/91

LOCATION OF EVENT: NORTHWESTERN UNIVERSITY

TIME OF EVENT:

SUBJECT: INVITATION TO DELIVER THE HILLIARD LECTURE AND AN
INVITATION TO BREAKFAST.

RSVP: 03/19/91

CONTACT PERSON:

CONTACT NUMBER:

Marian.

INVITATION ACCEPTED?

COPIES TO:

So you can go ahead + tell
this woman yes. You might see
what time the lecture is.
Maybe he could still go to
Argonne that morning.

REMARKS:

Shue

3/13/91 - accepted via Linda (Weertman's office)

DATE OF LETTER: 02/28/91

DATE RECEIVED: 03/05/91

FILE: INVITATION-SPEECH

NORTHWESTERN

UNIVERSITY

RECEIVED



ROBERT R. MCCORMICK SCHOOL OF
ENGINEERING AND APPLIED SCIENCE

Department of Materials Science and Engineering

91 MAR 5 A 9: 51

OFFICE OF THE
DIRECTOR

February 28, 1991

Dr. D. Allan Bromley
Assistant to the President for
Science & Technology and
Director OSTP
Old Executive Building
Room 360
17th and Pennsylvania, NW
Washington, DC 20506

Dear Dr. Bromley,

I have just returned from the SSSC Forum and Committee Meeting, and wish to reiterate, with great warmth, our invitation to you to deliver the Hilliard lecture on Friday afternoon, 21 June (the day before Commencement). We have a large and active materials community at Northwestern, spread over a number of departments and centers (including two materials related NSF S&T Centers and an NSF-MRL). I know that there would be tremendous interest here in the sort of talk you gave to the Forum participants yesterday, and I believe the faculty would benefit greatly from hearing your views.

Whether or not your schedule permits you to speak at Northwestern 21 June, I hope that you will plan to have breakfast with us on Saturday morning before Commencement.

I look forward to hearing from you.

Sincerely yours,

Julia Weertman

Julia R. Weertman
Walter P. Murphy Professor
and Chairman

/lk

THE WHITE HOUSE

WASHINGTON

March 8, 1991

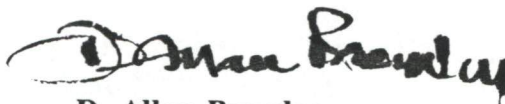
Dear Dr. Waldmann:

Thank you for your letter of February 21, inviting me to present an after dinner talk in connection with your annual banquet scheduled to be held in May of this year.

As much as I would like to join you, I must regretfully decline your kind invitation for scheduling reasons. I will away from Washington for much of that month and already have a large number of other commitments.

Thank you for thinking of me, and may I offer my best wishes for your commendable efforts in the field of science education.

Sincerely yours,

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

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

Dr. Thomas A. Waldmann
Chief, Metabolism Branch
Building 10, Room 4N115
National Institutes of Health
Bethesda, Maryland 20892

"INVITATION FOR DR. BROMLEY"

TYPE: INVITATION

DOCUMENT NUMBER: 9120519

SPEECH: YES NO

FROM: WALDERMAN, Thomas A.: DEPARTMENT OF HEALTH AND HUMAN SERVICES

DATE OF EVENT:

LOCATION OF EVENT: MARVIN CENTER OF GEORGE WASHINGTON UNIVERSITY

TIME OF EVENT: 09:00PM

SUBJECT: REQUEST TO GIVE THE AFTER-DINNER TALK ON SCIENCE POLICY AT THE ANNUAL BANQUET MEETING.

RSVP:

CONTACT PERSON: DR. DANIEL TOMPKINS

CONTACT NUMBER: 202/401-4201

INVITATION ACCEPTED?

45

NO

COPIES TO:

REMARKS:

DATE OF LETTER: 02/21/91

DATE RECEIVED: 02/25/91

FILE: INVITATION-SPEECH

THE WHITE HOUSE
WASHINGTON

March 8, 1991

Dear Dr. Weiss:

Thank you for your letter of February 19 inviting me to address the Academy on May 20 or 21, 1991. I apologize for the much belated response.

As much as I would like to join you and your colleagues, I must regretfully decline your kind invitation for scheduling reasons.

Thank you for thinking of me, and may I offer my best wishes for success in the activities of the Academy.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "D. Allan Bromley". The signature is fluid and cursive, with the first name "D. Allan" and the last name "Bromley" clearly distinguishable.

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

Dr. Armand B. Weiss
President
Washington Academy of Sciences
6803 Whittier Avenue, Suite 200
McLean, Virginia 22101

ating Request

"INVITATION FOR DR. BROMLEY"

DOCUMENT NUMBER: 9024301

d: YES NO

105/442/8780

A: Weiss Armand: Washington Academy of Sciences

DATE OF EVENT: 12/20/90

LOCATION OF EVENT: OLD EXECUTIVE OFFICE BUILDING

TIME OF EVENT: 05:30PM

SUBJECT: Invitation to meeting and offer to join the Academy

RSVP: 12/19/90

CONTACT PERSON:

CONTACT NUMBER:

INVITATION ACCEPTED?

YES NO

COPIES TO:

REMARKS:

12/18/90
① regretted for 12/20 mtg
② accepted invitation to speak 3/14 6:30pm

But Dr. Brill
from the Academy and
would be happy to
speak at our
meetings in
the Spring.
March 21 is my
I will be in
Rochester
Thank

DATE OF LETTER: 12/08/90

DATE RECEIVED: 12/12/90

FILE: INVITATION

2/27/91
Cancelled
m r

THE WHITE HOUSE
WASHINGTON

March 1, 1991

Dear Dick:

Thank you for your letter of January 9, 1991, inviting me to join your group at one of your monthly seminars on Global Environmental Change. I apologize for the much belated response.

As you can appreciate, the number of invitations I receive that entail traveling 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, 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 seminar series.

Sincerely yours,



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

Professor Richard Wilson
Department of Physics
Harvard University
Cambridge, Massachusetts 02138

"CORRESPONDENCE TRACKING"

TYPE: INVITATION

DOCUMENT NUMBER: 9120088

FROM: WILSON, RICHARD

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 01/09/91

SUBJECT: CONVERSE WITH MONTHLY SEMINAR ON GLOBAL
ENVIRONMENTAL CHANGE

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
Nancy Maynard

2/11/91
Sponsor:
Subject:
Audience:
Date:
Location:
Contact:
Comments:

Harvard University Department of Physics
Global environmental change
Monthly seminar audience
First Thursday of any month
Harvard Faculty Club
Richard Wilson
The letter suggests April 4 or May 2. This
invitation seems to be related to something
called the National Inst. for Global
Environmental Change.
April 4 and May 2 are both PCAST meetings.

Conflicts:

YES

NO

THE WHITE HOUSE
WASHINGTON

January 16, 1991

Dear Dr. Wales:

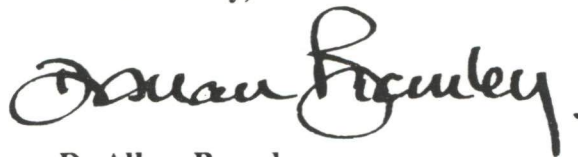
Thank you for your recent letter to Mrs. Bush expressing concern over our nation's utilization of its technical talent. The letter has been referred to me for reply.

I agree with you that we need to make maximum use of our technically-trained human resources. While the long-term trend in both U.S. private and public R&D spending has been upward, national priorities do change, and technology changes as well. There is no assurance that people will have lifetime employment working in a specific technical area. In fact, technical professionals will have to anticipate several job switches during their working careers. They also need continuing education in order to keep up with rapidly changing technology.

The Administration is committed to ensuring a quality workforce in this country, and making the best use of our technical talent is essential to remaining economically competitive. Unfortunately, being competitive as a nation also means that sometimes individuals have to adjust to employment circumstances that they may not have chosen willingly. I have enclosed a copy of our technology policy which will explain the private sector and government roles in more detail.

I appreciated reading your views on this matter and wish you the best of luck in your future endeavors.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Allan Bromley". The signature is fluid and cursive, with a large, stylized initial "D".

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

Dr. Thomas F. Wales
1221 Banning Boulevard
Wilmington, CA 90744

Enclosure

"CORRESPONDENCE TRACKING"

TYPE: Priority Presidential Corresponden DOCUMENT NUMBER: 9120028

FROM: DR. THOMAS F. WALES

TO: MRS. BUSH

DATE OF
CORRESPONDENCE: 01/07/91

SUBJECT: SCIENTIST CRITICIZES ON-AGAIN, OFF-AGAIN GOV'T
RESEARCH POLICIES AND STRESSES THAT CONTINUED
PLANNING IS REQUIRED TO MAINTAIN U.S. TECH "EDGE"

ASSIGNED TO: Dr. Phillips

ACTION REQUIRED: DIRECT REPLY

SENDER'S DUE DATE: 01/17/91 OSTP DUE DATE: 01/15/91

DATE COMPLETED: -----

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #: 202054 CONTACT PERSON: SALLY KELLEY

REMARKS:

SR
not

DATE RECEIVED:

FILE:

THE WHITE HOUSE OFFICE

REFERRAL

JANUARY 7, 1991

TO: OFFICE OF SCIENCE AND TECHNOLOGY POLICY

ACTION REQUESTED:

DIRECT REPLY, FURNISH INFO COPY

DESCRIPTION OF INCOMING:

ID: 202054

MEDIA: LETTER, DATED DECEMBER 5, 1990

TO: MRS. BUSH

FROM: DR. THOMAS F. WALES
1221 BANNING BOULEVARD
WILMINGTON CA 90744

SUBJECT: SCIENTIST CRITICIZES ON - AGAIN, OFF - AGAIN
GOVERNMENT RESEARCH POLICIES AND STRESSES
THAT CONTINUED PLANNING IS REQUIRED TO
MAINTAIN U.S. TECHNOLOGICAL "EDGE"

PROMPT ACTION IS ESSENTIAL -- IF REQUIRED ACTION HAS NOT BEEN
TAKEN WITHIN 9 WORKING DAYS OF RECEIPT, PLEASE TELEPHONE THE
UNDERSIGNED AT 456-7486.

RETURN CORRESPONDENCE, WORKSHEET AND COPY OF RESPONSE
(OR DRAFT) TO:
AGENCY LIAISON, ROOM 91, THE WHITE HOUSE, 20500

SALLY KELLEY
DIRECTOR OF AGENCY LIAISON
PRESIDENTIAL CORRESPONDENCE

ID # 202054
df

WHITE HOUSE
CORRESPONDENCE TRACKING WORKSHEET

☐ O - OUTGOING

☐ H - INTERNAL

☒ I - INCOMING

Date Correspondence
Received (YY/MM/DD) 90/12/10

Name of Correspondent: Mr. DR. THOMAS F. WALES

☐ MI Mail Report

User Codes: (A) _____ (B) _____ (C) _____

Subject: SCIENTIST CRITICIZES
GOVERNMENT RESEARCH POLICIES AND STRESSES THAT
CONTINUED PLANNING IS REQUIRED TO MAINTAIN
US TECHNOLOGICAL "EDGE"

ROUTE TO:

ACTION

DISPOSITION

Office/Agency	(Staff Name)	Action Code	Tracking Date YY/MM/DD	Type of Response	Code	Completion Date YY/MM/DD
CoCoza		ORIGINATOR	<u>91 01</u> <u>90/12/10</u>	<u>W</u>		<u>90/1/1</u>
<u>OSTA</u>		<u>R</u>	<u>91 01/07</u> <u>90/12/10</u>	<u>W</u>		<u>90/1/1</u>
			<u>1/1</u>			<u>1/1</u>
			<u>1/1</u>			<u>1/1</u>
			<u>1/1</u>			<u>1/1</u>
			<u>1/1</u>			<u>1/1</u>

ACTION CODES:

A - Appropriate Action
C - Comment/Recommendation
D - Draft Response
F - Furnish Fact Sheet
to be used as Enclosure

I - Info Copy Only/No Action Necessary
R - Direct Reply w/Copy
S - For Signature
X - Interim Reply

DISPOSITION CODES:

A - Answered
B - Non-Special Referral
C - Completed
S - Suspended

FOR OUTGOING CORRESPONDENCE:

Type of Response = Initials of Signer
Code = "A"
Completion Date = Date of Outgoing

Comments: _____

Keep this worksheet attached to the original incoming letter.
Send all routing updates to Central Reference (Room 75, OEOB).
Always return completed correspondence record to Central Files.
Refer questions about the correspondence tracking system to Central Reference, ext. 2590.

5 December 1990

Page 1 of 2

From: Dr. Thomas J. Sales (Presidential Task Force #131771)
1221 Danning Blvd
Wilmington California 90744

To: First Lady Barbara Bush
The White House
1600 Pennsylvania Avenue
Washington D.C.

Dear First Lady:

I Hope You Will Take The Time To Read This. And Inform
Our President Of Its Contents. Sometimes His Administrative
'Filtration' People Are Much Too Effective.

I Am A Scientist - I Hold A Bachelors In Physics (State
University Of Iowa - 1956) And A Ph.D In Computer Science
With Emphasis On Applied Mathematics (California Western
University - 1975). During The Years 1972-1980 I Was One
Of The Two Senior Mathematical Modelers At Rockwell Downey's
Space Division - Working On The Space Shuttle (Flight Sim
Lab.). During The 36 Years Of Our Marriage. My Wife And
I Have Had 12 Children.(11 Are Still Surviving.)

Between 1956 And 1970 I Worked In Aerospace. Contrary To
The Liberal Presses Propaganda Most Engineers Were Not
Making 50000\$/Year During That Period. At The Time I Had
Only A Bachelor's Degree And Was Making 'Top Dollar'. With
A Salary Of 19000\$/Year. In 1970 The US Government 'Shot
The Nation In The Foot' And A Huge Number Of Us Became
Unemployed.

During 1970-1972 In Spite Of Vigorously Seeking Employment
I DID NOT WORK. We Lost Our Home (Now Worth At Least 400K)
And Everything We Had. After The 1st Year Of The Aerospace
Depression The US Government Commissioned Arthur D. Little
Inc To 'Find Out Why All Of Those Engineers Hadn't Found
Jobs'. The Answer Was (And Any Of Us Could Have Told Them)
PREJUDICE And Fear. After 2 Minutes Of An Interview. The
Potential Employer Realized That The Interviewee Was Smart
Enough To Master In 3 Weeks - What Had Taken The Potential
Employer Years To Acquire. Such People Are 'Dangerous'!

It Took Me Until 5 Years After Reemployment In 1972 To
Get My Income Back Up To It's Pre-Depression Level. During
That Time We Were Trying To Raise A Large (And Very Gifted)
Family. I Got My Ph.D In 1975 And Eventually My Salary
Increased To A Good Contemporary Level. Many Technical
People PERMANENTLY LEFT Aerospace As A Result Of That
Serious Mistake. (One Guy I Knew Bought Into A Fishing
Boat - Nothing Wrong With Fishing, But What A Wasted Talent!)

Too Be Brutally Frank. A Lot Of Us Will Never Ever Forgive The Personal Damage Done To Our Families By Those Disastrous Bad Decisions. Collectively. Even After Digging Ourselves Out Of A 10 Year Dent In Progress (Thanks To Reagan And Bush Wielding Shovels!) Congress Hasn't Learned A Thing.

Now It's 20 Years Later. And They're Doing It Again. Once Again I Find Myself Unemployed (Since October 12) - This Time With My Mortgage Within 6K Of Being Paid Off! (Thank You Very Much Democrats!) We Face Another Massive Dent In Our Nations Productive Technical Capacity - Which We Cannot Afford (Consider Foreign Competition). For This Reason I Am Unable To Continue My Contributions To Lifetime Task Force Membership (Sorry!).

In My View: One Of The Major Problems In The Defense Industry Is The 'Beaureaucratic Bean Counter' Assumption That All Work Is Of The 'Cut And Dried' Variety. During My Days As A Consultant Paid To DEVELOP Solutions. We Would Multiply Estimated Man Hours By 1.4 As The Estimate Supplied The Client. Most Of The Time We Would Complete The Job At Around The 1.0 Mark - Producing Very Satisfied Clients! The 1.4 Was There Because Of The Unexpected: Once In A While An Unforseeable Set Of Technical Difficulties Can DOUBLE Costs. Incidentally The '2167A' Standards For Software Development Reflect This 'Bean Counter' Mentality To A 'T' ! They Are The Product Of Those Incapable Of What Is Termed Creative (Not Merely Productive) Mental Activity.

Well. I Know That Present International Affairs Preoccupy The President. (My Personal Thanks For The Two Of You Recently Visiting The Middle East!) If You Think That This Letter Merits Your Doing So. I Would Personally Appreciate Your Bringing Its Contents To President Bush's Attention.

I Genuinely Believe That Timely Action In This Matter Will Forestall A Major Future Disaster. If Possible. USA Needs A Strong Injection Of Long Term Technical Planning. Scientists And Technological People Require Continual Work To Maintain The Nation's 'Edge'. Intelligent Decisions Must Be Based On Real Knowledge-Not On Congressional Whim.

Thank You For Taking The Time To Read This.

Best Regards To Yourself. The President.
And Your Entire Family! Have A Merry Christmas!


Dr. Thomas F. Wales
1221 Banning Boulevard
Wilmington California 90744

A Quotation From Swami 'Radhakrishnan Mersinidpur':

'In The Midst Of All The Chiefs And Indians Horse-Puckey...
It Is Always Necessary To Have A Few People Around To
Do The Actual Work!!!'

(The Delegation Of Technical Decisions To Those Who Merely
Play Golf With The Boss Is NOT A Good Idea!)

Techno-Scientific People Are Obnoxious - They Frequently
Tell You What You Need To Know - Rather Than What You Want
To Hear!

Consider A Building Containing 1000 Engineers 'Working
On A Project'. The Actual Number Contributing To The Project
Is No More Than 100. The 900 Others Draw Graphs. Say 'Yes
Sir'. Mill Around. And 'Manage' (Sometimes Spelled 'Mangle')
Things. Usually (Due To 'Politics' In The Office) - The
Management Has Utterly No Idea That 10% Of The Staff Are
Doing 90% Of The Work!

Technical Work ISN'T Like Chopping Cotton. The Linear Type
Thinking Of 'Twice As Much Work. Hire Twice The Number
Of People!' DOES NOT WORK. WHAT DOES WORK IS FINDING OUT
HOW TO IDENTIFY THE 10% - Then (Possibly) Dropping A Non
Productive 10% From The Staff - And Hiring Another 10%
Of The GOOD GUYS.

As A Ph.D I Hate To Admit This, But

There Is Relatively Little Correlation Between Degree Level
And Either Intelligence Level OR Competancy. There Are
B.A.'s Out There With Ph.D Level Knowledge Gained By Their
Pure Practical Experience. One Can Identify The Most
Competant Engineers Very Simply. Given A Technical Degree.
Viz: Basic Core Knowledge:

- (1) Has The Persons Salary Steadily Increased At The
Rate Of 100\$/Month/Year During The 1st 5-6 Years
Of His/Her Professional Life?
- (2) Who Is Always Being 'Run To' For Help When Tough
Problems Arise?

Cutbacks Are Generally Made By 'Bean Counters' Who Think
The Firm Is 'Their Daddy'. These People Are Generally
Shattered When Other 'Bean Counters' 'Lay Them Off'! Here
Is How These Folks 'Think' Regarding Layoffs:

We Are Having Cutbacks. Individual 'A' Is Making 36K/Yr.
And Individual 'B' Is Making 55K/Yr. THEREFORE (Notice
That This Isn't Even A Syllogism!!!!!!) Individual 'B'

The 'SOOTHSAIING DEPARTMENT': (Continued) Page 2 Of 2

Is 'Costing' The Company 528 More Than 'A' Is - So I'll Lay Him Off!

Rebuttal: (1) If We Count In Fringe Benefits We See That Individual 'B' is ACTUALLY Costing The Firm About 1.3 What Individual 'A' Is. Not 1.52.

(2) Not Considered AT ALL: Individual 'B' Is Making More Because He Can Do Work That Individual 'A' Can't Possibly Do!

The Want Ads Are Full Of Ads For Junior And Entry Level People (Who Are 'Cheap' On A Per Employee Basis) Put There By Types Who Naively Believe That Two Lead Bricks Are Worth One Gold Ingot - Because They Balance One Another On A Scales! In Fact, The Lead Bricks Are Only Ballast - And Too Many Will Sink The Ship!

Simple Fact: Getting Rid Of Ones Higher Level Technical Echelon Totally Cripples The Company's Capacity To Obtain New Contracts And Thereby Remain In Business!

Keeping The Non-Productive On The Payroll May Cost You In One Sector - But The Economy Is Temporally Equillibrated. And Money Circulates Back Via Taxes.

People In Techno-Scientific Professions Have A Marginal Propensity To Consume ('MPC') Of Nearly 1. This Makes The Keynesian Multiplier $(1)/(1-MPC)$ HUGE. Anything Affecting These People Has An Economic Impact Hundreds Of Times As Large On The Economy As A Whole. It Happened Before During 1970-1972 Aerospace Depression - And Unless The Current Trend Is Reversed NOW - It Will Happen Again. A Large Number Of Energetic, Competant, And Valuable People Will Never Trust Their Government Again. Perhaps Congress Thinks That Everyone's Memories Are As Short As Theirs.

THE WHITE HOUSE
WASHINGTON

June 10, 1991

Dear Director Chen,

The letter you sent to my former academic home at A. W. Wright Laboratory at Yale University has been forwarded to me here at the White House. I am currently on leave from Yale, and have the honor of serving as the Science Advisor to the President and Director of the Office of Science and Technology Policy.

Your program in New York at the 11th International Forecasting Symposium sounds extremely interesting and I hope that you had a productive week, meeting colleagues from all over the world.

Thank you for your interest in visiting Yale. I hope that you had the opportunity to visit there after the conference in New York.

Sincerely,

A handwritten signature in dark ink, reading "D. Allan Bromley". The signature is fluid and cursive, with the first name "D. Allan" and the last name "Bromley" clearly distinguishable.

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

Director Chen Yuxiang
Institute of Forecasting and Development
Hefei University of Technology
Hefei, Anhui 230009
People's Republic of China

5/30

"CORRESPONDENCE TRACKING"

TYPE: ACTION

DOCUMENT NUMBER: 9121472

FROM: YUXIANG, Chen: INSTITUTE OF FORECASTING & DEVELOPMENT, CHINA

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 04/29/91

SUBJECT: YALE UNIVERSITY HAS FORWARDED AT LETTER FROM ~~YUXIANG~~ ^{Chen}
REGARDING HIS TRAVEL & HIS REQUEST TO MEET WITH YOU
WHILE IN THE U.S. OR INVITING YOU TO CHINA.

ASSIGNED TO: D. Allan Bromley

ACTION REQUIRED: AS NECESSARY

SENDER'S DUE DATE: OSTP DUE DATE: 05/30/91

DATE COMPLETED: -----

COPIES TO: INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/21/91

FILE: INTERNATIONAL



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YALE UNIVERSITY

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OFFICE OF THE
DIRECTOR

May 16, 1991

Dr. Yuxiang Chen
Institute of Forecasting & Development
Hefei University of Technology
Hefei, Anhui 230009
PEOPLE'S REPUBLIC OF CHINA

Dear Dr. Chen:

Thank you for your letter of April 29, 1991. Professor Bromley is on a Leave of Absence from the University in order to serve as Science Advisor to President Bush and therefore will not be in New Haven during your visit to the United States.

I will forward your letter to Dr. Bromley's office in Washington, D.C. and hope that you have an enjoyable visit to the United States.

Sincerely yours,

Mary Anne Schulz

Mary Anne Schulz

mts

THE WHITE HOUSE
WASHINGTON

July 9, 1991

Dear Bob:

Because I have not answered all of your mailings you should by no means conclude that I do not find them interesting and helpful. How you find the time to do such a complete scan of the literature is a minor mystery but your points are well taken and well presented. I hope that you will keep them coming.

This is clearly a year of decision for the superconducting super collider and the space station, and the budget agreement with its zero sum game in constant dollars for the next several years makes the future a very difficult one.

With all best wishes,

Sincerely yours,



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

Dr. Robert Yaes
Chandler Medical Center
Department of Radiation Medicine
University of Kentucky
Lexington, Kentucky 40536-0084

5/16/91

Dear Alan

I find it almost unbelievable that so much good news can be coming out of Washington at one time. It is as though half of the things that I've advocated for the last 20 years are suddenly becoming public policy. Dingell hearings on both Stanford's Overhead Overcharges and Amanishi-Kari's faked data were fun to follow. David Kennedy may find it hard to manage without \$2,000 worth of flowers every month, but I'm sure he'll find a way to get by. I must congratulate your boss on his plan to limit "Pain and suffering" damages in medical malpractice awards. I can assure you from personal experience that treating terminal cancer patients is depressing enough, without having to worry about whether one of them is going to turn around and

me you for \$10 million.

In today's New York Times
I read that Congressional Committees
had decided to:

- ① Cut off funding for the Space Station
- ② Cut off funding for the Fermilab upgrade

and.

- ③ Reduce SSC funding by \$100 million.

Also noted was the fact that
Roy Schmitter had kicked Sam Tings
L⁺ detector out the door. I'm sure that
Ting is fuming and figuring out how to
get even. As the Ayatollah Khomeini might
have said had he lived long enough
to see the Persian Gulf War, "There's
nothing that's quite as much fun as
watching your enemies fight each other."

I wholeheartedly support
Richard Harman's proposal to cut all
overhead rates to a maximum of 26%.
Let Donald Kennedy stuff that into
his Cedar Closet.

Bob