

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

FOIA Number:
2005-0336-F

FOIA MARKER

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

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

OA/ID Number: 62061
Folder ID Number: 62061-002

Folder Title:
International: General [1 of 6] [1991]

Stack:

Row:

Section:

Shelf:

Position:

0

0

0

0

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125275

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: GOLDEN, William T.: CARNEGIE COMMISSION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/28/91

SUBJECT: HE IS PROVIDING COPIES OF LETTERS HE HAS SENT TO
PARTICIPANTS OF THE MT. KISCO MEETING.

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: 12/31/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:

WILLIAM T. GOLDEN

40 WALL STREET
NEW YORK 10005

Dr. Bromley

Allen -

F.Y.I.

Regards and happy

New Year.

I hope we'll have a
number of "ex-Sonnet" laureates
as guests at the AAAA annual
meeting in Chicago in mid-
February.

Bill

12/28/91

5275 I

CARNEGIE COMMISSION

ON SCIENCE, TECHNOLOGY, AND GOVERNMENT

10 WAVERLY PLACE, NEW YORK, NY 10003, PHONE: (212) 998-2150, FAX: (212) 995-3181
EMAIL: CARNEGIE@ACF1.NYU.EDU

RECEIVED

91 DEC 31 AM 11:34

Mr. Golden's private office:
40 Wall Street, New York, NY 10005

MAIL ROOM

COMMISSION

William T. Golden
Co-Chair

Joshua Lederberg
Co-Chair

David Z. Robinson
Executive Director

Richard C. Atkinson

Norman R. Augustine

John Brademas

Lewis M. Branscomb

Hon. Jimmy Carter

William T. Coleman, Jr.

Sidney D. Drell

Daniel J. Evans

Andrew J. Goodpaster

Shirley M. Hufstедler

B.R. Inman

Helene L. Kaplan

Donald Kennedy

Charles McC. Mathias, Jr.

William J. Perry

Robert M. Solow

H. Guyford Stever

Sheila E. Widnall

Jerome B. Wiesner

December 26, 1991

[Dictated December 22

Olive Bridge, NY]

Dear Bill:

As the eventful year comes to an end, I am sequestering myself in the country, am catching up on my correspondence, and trying to make a dent in my reading pile.

It was a great pleasure to see you again, at the Mount Kisco meeting of the Carnegie Group in October, and it was gratifying to sense the esprit de corps that has developed among the members. The informality and openness bode well for increasing comity among the countries represented. This should benefit science and the citizenry generally, with open communication among scientists leading the way to greater understanding and trust at all levels.

It's good to know that the 1992 meeting, or meetings, will be held in the U.K. under your leadership.

With warm regards,

Sincerely,

William T. Golden

Professor William D.P. Stewart, FRS FRSE
Chief Scientific Adviser
70 Whitehall
London SW1A 2AS
England

COPY

ADVISORY COUNCIL

Graham T. Allison, Jr.

William O. Baker

Harvey Brooks

Harold Brown

James M. Cannon

Ashton B. Carter

Hon. Richard F. Celeste

Hon. Lawton Chiles

Theodore Cooper

Eugene H. Cota-Robles

William Drayton

Thomas Ehrlich

Stuart E. Eizenstat

Hon. Gerald R. Ford

Ralph E. Gomory

Rev. Theodore M. Hesburgh

Walter E. Massey

Rodney W. Nichols

David Packard

Hon. Lewis F. Powell, Jr.

Charles W. Powers

James B. Reston

Alice M. Rivlin

Oscar M. Ruebhausen

Jonas Salk

Maxine F. Singer

Hon. Dick Thornburgh

Adm. James D. Watkins (Ret.)

Herbert F. York

Charles A. Zwiket

*Through April 1990

**Through January 1989

CARNEGIE COMMISSION

ON SCIENCE, TECHNOLOGY, AND GOVERNMENT

10 WAVERLY PLACE, NEW YORK, NY 10003, PHONE: (212) 998-2150, FAX: (212) 995-3181
EMAIL: CARNEGIE@ACF1.NYU.EDU

Mr. Golden's private office:
40 Wall Street, New York, NY 10005

COMMISSION

William T. Golden
Co-Chair
Joshua Lederberg
Co-Chair
David Z. Robinson
Executive Director
Richard C. Atkinson
Norman R. Augustine
John Brademas
Lewis M. Branscomb
Hon. Jimmy Carter
William T. Coleman, Jr.
Sidney D. Drell
Daniel J. Evans
Andrew J. Goodpaster
Shirley M. Hufstедler
B.R. Inman
Helene L. Kaplan
Donald Kennedy
Charles McC. Mathias, Jr.
William J. Perry
Robert M. Solow
H. Guyford Stever
Sheila E. Widnall
Jerome B. Wiesner

December 26, 1991
[Dictated December 22
Olive Bridge, NY]

Dear Juriy:

As the eventful year comes to an end, I am sequestering myself in the country, am catching up on my correspondence, and trying to make a dent in my reading pile.

It was a great pleasure to see you again, at the Mount Kisco meeting of the Carnegie Group in October, and it was gratifying to sense the esprit de corps that has developed among the members. The informality and openness bode well for increasing comity among the countries represented. This should benefit science and the citizenry generally, with open communication among scientists leading the way to greater understanding and trust at all levels.

With warm regards,

Sincerely,

William T. Golden

Academician Juriy Ossipyan
Vice President
Academy of Sciences of Russia
117071 Leninski Prospekt 14
Moscow
USSR

ADVISORY COUNCIL

Graham T. Allison, Jr.
William O. Baker
Harvey Brooks
Harold Brown
James M. Cannon
Ashton B. Carter
Hon. Richard F. Celeste
Hon. Lawton Chiles
Theodore Cooper
Eugene H. Cota-Robles
William Drayton
Thomas Ehrlich
Stuart E. Eizenstat
Hon. Gerald R. Ford
Ralph E. Gomory
Rev. Theodore M. Hesburgh
Walter E. Massey
Rodney W. Nichols
David Packard
Hon. Lewis F. Powell, Jr.
Charles W. Powers
James B. Reston
Alice M. Rivlin
Oscar M. Ruebhausen
Jonas Salk
Maxine F. Singer
Hon. Dick Thornburgh
Adm. James D. Watkins (Ret.)
Herbert F. York
Charles A. Zraket

*Through April 1990
**Through January 1989

COPY

CARNEGIE COMMISSION

ON SCIENCE, TECHNOLOGY, AND GOVERNMENT

10 WAVERLY PLACE, NEW YORK, NY 10003, PHONE: (212) 998-2150, FAX: (212) 995-3181
EMAIL: CARNEGIE@ACF1.NYU.EDU

Mr. Golden's private office:
40 Wall Street, New York, NY 10005

COMMISSION

William T. Golden
Co-Chair
Joshua Lederberg
Co-Chair
David Z. Robinson
Executive Director
Richard C. Atkinson
Norman R. Augustine
John Brademas
Lewis M. Branscomb
Hon. Jimmy Carter
William T. Coleman, Jr.
Sidney D. Drell
Daniel J. Evans
Andrew J. Goodpaster
Shirley M. Hufstедler
B.R. Inman
Helene L. Kaplan
Donald Kennedy
Charles McC. Mathias, Jr.
William J. Perry
Robert M. Solow
H. Guyford Stever
Sheila E. Widnall
Jerome B. Wiesner

December 26, 1991
[Dictated December 22
Olive Bridge, NY]

Dear Dr. Riesenhuber:

As the eventful year comes to an end, I am sequestering myself in the country, am catching up on my correspondence, and trying to make a dent in my reading pile.

It was a great pleasure to see you at the Mount Kisco meeting of the Carnegie Group in October, and it was gratifying to sense the esprit de corps that has developed among the members. The informality and openness bode well for increasing comity among the countries represented. This should benefit science and the citizenry generally, with open communication among scientists leading the way to greater understanding and trust at all levels.

With warm regards,

Sincerely,

William T. Golden

Dr. Heinz Riesenhuber
Bundesminister fur Forschung und Technologie
Postfach 200240
5300 Bonn 2
Bundesrepublik DEUTSCHLAND

ADVISORY COUNCIL

Graham T. Allison, Jr.
William O. Baker
Harvey Brooks
Harold Brown
James M. Cannon
Ashton B. Carter
Hon. Richard F. Celeste
Hon. Lawton Chiles
Theodore Cooper
Eugene H. Cota-Robles
William Drayton
Thomas Ehrlich
Stuart E. Eizenstat
Hon. Gerald R. Ford
Ralph E. Gomory
Rev. Theodore M. Hesburgh
Walter E. Massey
Rodney W. Nichols
David Packard
Hon. Lewis F. Powell, Jr.
Charles W. Powers
James B. Reston
Alice M. Rivlin
Oscar M. Ruebhausen
Jonas Salk
Maxine F. Singer
Hon. Dick Thornburgh
Adm. James D. Watkins (Ret.)
Herbert F. York
Charles A. Zraket

*Through April 1990

**Through January 1989

COPY

CARNEGIE COMMISSION

ON SCIENCE, TECHNOLOGY, AND GOVERNMENT

10 WAVERLY PLACE, NEW YORK, NY 10003, PHONE: (212) 998-2150, FAX: (212) 995-3181
EMAIL: CARNEGIE@ACF1.NYU.EDU

Mr. Golden's private office:
40 Wall Street, New York, NY 10005

COMMISSION

William T. Golden
Co-Chair
Joshua Lederberg
Co-Chair
David Z. Robinson
Executive Director
Richard C. Atkinson
Norman R. Augustine
John Brademas
Lewis M. Branscomb
Hon. Jimmy Carter
William T. Coleman, Jr.
Sidney D. Drell
Daniel J. Evans
Andrew J. Goodpaster
Shirley M. Hufstедler
B.R. Inman
Helene L. Kaplan
Donald Kennedy
Charles McC. Mathias, Jr.
William J. Perry
Robert M. Solow
H. Guyford Stever
Sheila E. Widnall
Jerome B. Wiesner

December 26, 1991
[Dictated December 22
Olive Bridge, NY]

Dear Dr. Ruberti:

As the eventful year comes to an end, I am sequestering myself in the country, am catching up on my correspondence, and trying to make a dent in my reading pile.

It was a great pleasure to see you at the Mount Kisco meeting of the Carnegie Group in October, and it was gratifying to sense the esprit de corps that has developed among the members. The informality and openness bode well for increasing comity among the countries represented. This should benefit science and the citizenry generally, with open communication among scientists leading the way to greater understanding and trust at all levels.

With warm regards,

Sincerely,

William T. Golden

Ministro Antonio Ruberti
Ministero della Universita e della
Ricerca Scientifica e Tecnologica
Lungotevere taon de revel 76
00196 Roma ITALY

ADVISORY COUNCIL

Graham T. Allison, Jr.
William O. Baker
Harvey Brooks
Harold Brown
James M. Cannon
Ashton B. Carter
Hon. Richard F. Celeste
Hon. Lawton Chiles
Theodore Cooper
Eugene H. Cota-Robles
William Drayton
Thomas Ehrlich
Stuart E. Eizenstat
Hon. Gerald R. Ford
Ralph E. Gomory
Rev. Theodore M. Hesburgh
Walter E. Massey
Rodney W. Nichols
David Packard
Hon. Lewis F. Powell, Jr.
Charles W. Powers
James B. Reston
Alice M. Rivlin
Oscar M. Ruebhausen
Jonas Salk
Maxine F. Singer
Hon. Dick Thornburgh
Adm. James D. Watkins (Ret.)
Herbert F. York
Charles A. Zraket

*Through April 1990
**Through January 1989

COPY

CARNEGIE COMMISSION

ON SCIENCE, TECHNOLOGY, AND GOVERNMENT

10 WAVERLY PLACE, NEW YORK, NY 10003, PHONE: (212) 998-2150, FAX: (212) 995-3181
EMAIL: CARNEGIE@ACF.L.NYU.EDU

Mr. Golden's private office:
40 Wall Street, New York, NY 10005

COMMISSION

William T. Golden
Co-Chair
Joshua Lederberg
Co-Chair
David Z. Robinson
Executive Director
Richard C. Atkinson
Norman R. Augustine
John Brademas
Lewis M. Branscomb
Hon. Jimmy Carter
William T. Coleman, Jr.
Sidney D. Drell
Daniel J. Evans
Andrew J. Goodpaster
Shirley M. Hufstедler
B.R. Inman
Helene L. Kaplan
Donald Kennedy
Charles McC. Mathias, Jr.
William J. Perry
Robert M. Solow
H. Guyford Stever
Sheila E. Widnall
Jerome B. Wiesner

ADVISORY COUNCIL

Graham T. Allison, Jr.
William O. Baker
Harvey Brooks
Harold Brown
James M. Cannon
Ashton B. Carter
Hon. Richard F. Celeste
Hon. Lawton Chiles
Theodore Cooper
Eugene H. Cota-Robles
William Drayton
Thomas Ehrlich
Stuart E. Eizenstat
Hon. Gerald R. Ford
Ralph E. Gomory
Rev. Theodore M. Hesburgh
Walter E. Massey
Rodney W. Nichols
David Packard
Hon. Lewis F. Powell, Jr.
Charles W. Powers
James B. Reston
Alice M. Rivlin
Oscar M. Ruebhausen
Jonas Salk
Maxine F. Singer
Hon. Dick Thornburgh
Adm. James D. Watkins (Ret.)
Herbert F. York
Charles A. Zraket

December 26, 1991
[Dictated December 22
Olive Bridge, NY]

Dear Bill:

As the eventful year comes to an end, I am sequestering myself in the country, am catching up on my correspondence, and trying to make a dent in my reading pile.

It was a great pleasure to see you at the Mount Kisco meeting of the Carnegie Group in October, and it was gratifying to sense the esprit de corps that has developed among the members. The informality and openness bode well for increasing comity among the countries represented. This should benefit science and the citizenry generally, with open communication among scientists leading the way to greater understanding and trust at all levels.

With warm regards,

Sincerely,

William T. Golden

Dr. William Winegard
Minister of State for Science and Technology
235 Queen Street
Ottawa, Ontario K1A 0H5
Canada

*Through April 1990
**Through January 1989

COPY

FAX MESSAGE

FAX NO. 202-395-3261. DR VASANT GOWARIKER
ADVISER TO PRIME MINISTER
ON
SCIENCE & TECHNOLOGY

December 19, 1991

Dear Allan,

These few lines are meant just to remind you about the 79th Session of the Indian Science Congress to be held in Baroda between 3rd & 9th January, 1992 and of some positive possibilities you indicated in your letter of September 24.

I very much hope you will be able to include this visit in your calander. It will be a pleasure to have you with us on this occasion.

Wishing you a very happy New Year,

Yours sincerely,

[Vasant Gowariker]

Dr Allan Bromley
Advisor to the President for
Science and Technology
The White House
Washington, USA

Telephone : 663692, 6863877 □ Telex : 31-73207 TIFAC & 31-61805 DST IN □ Fax : 0091-11-652731, 6863866

I need a brief note telling him that
I expect to be in Asia with the Pres. and
can attend the Indian Science Congress
— with warmest regards etc.

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9125264
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: KIM, Jin-Hyun: MINISTER OF SCIENCE AND TECHNOLOGY, REPUBLIC OF KOREA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/18/91

SUBJECT: A LETTER EXPRESSING HIS GRATITUDE TO DR. BROMLEY FOR HIS HOSPITALITY. HE ALSO EXPRESSES HIS HOPE THAT DR. BROMLEY WILL ACCOMPANY PRESIDENT BUSH ON HIS TRIP TO KOREA.

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: 12/30/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:



5264 J
RECEIVED

OFFICE OF THE MINISTER
MINISTRY OF SCIENCE AND TECHNOLOGY
REPUBLIC OF KOREA

DEC 30 P 2: 22
OSTP
MAIL ROOM

H.E. D. Allan Bromley
Assistant to the President
for Science and Technology
U.S.A.

December 18, 1991

Dear Dr. Bromley:

Let me take this opportunity to express my sincere appreciation to you for your warm hospitality on the occasion of my visit early this month. I am also very pleased to hear that the STA was initialed on 11th of this month.

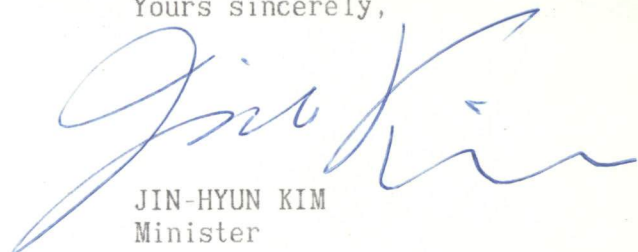
The discussion with you on strengthening S&T cooperation between our two countries was most fruitful and enjoyable. Several of the cooperative projects we discussed, including joint development cooperation in the high technology fields and formulation of a Korea-U.S. forum on science and technology, etc., are currently being developed into more detailed plans to be discussed at the high level joint committee that will be set up in line with the re-conclusion of the STA early next January.

In this regard, I sincerely hope that you will accompany President Bush on his coming state visit to Korea, so we can discuss these cooperative projects.

I extend to you best wishes for a happy holiday season and look forward to seeing you soon.

Please accept the assurances of my highest consideration.

Yours sincerely,



JIN-HYUN KIM
Minister

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125193

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: HOESS, Friedrich: THE AMBASSADOR OF AUSTRIA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/18/91

SUBJECT: A LETTER CONVEYING REGRETS ON BEHALF OF THE AUSTRIAN
VICE CHANCELLOR, DR. ERHARD BUSEK, FOR THE NEED TO
POSTPONE HIS VISIT TO WASHINGTON. HE HOPES IT WILL
BE POSSIBLE TO MEET AT A LATER DATE.

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: 12/23/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL

CENTRAL FILES:

RECEIVED
Embassy of Austria
Washington, D. C.

91 DEC 23 P 3: 33

The Ambassador

MAIL ROOM
December 18, 1991

The Honorable
Dr. Allan Bromley
Science Advisor to the President
The White House
Room 358
1600 Pennsylvania Avenue, N.W.
Washington, D.C. 20500

Dear Dr. Bromley

Further to my letter of December 4, 1991, I have to inform you that the Austrian Vice-Chancellor Dr. Erhard Busek due to upcoming elections in Austria had to postpone his visit to Washington.

He has asked me to convey to you his sincerest regrets and hopes that it will be possible to meet with you at a later date.

Thanking you for your understanding and support I remain

Yours sincerely,



Friedrich Hoess

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125270

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: CASTLE, John K.: CASTLE HARLAN INC.

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/17/91

SUBJECT: HE IS FORWARDING A COPY OF THE BOOK "FROM BEIRUT TO
JERUSALEM" FOR DR. BROMLEY.

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: 12/30/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:



CASTLE HARLAN, INC.

150 EAST 58TH STREET NEW YORK, N.Y. 10155

5290 I
RECEIVED

TEL (212) 644-8600
FAX (212) 207-8042

91 DEC 30 P 2: 22

OSTP
MAIL ROOM
December 17, 1991

The Honorable D. Allan Bromley
Assistant To The President For
Science And Technology
Old Executive Office Building
17th St. & Pennsylvania Ave NW
Washington, DC 20506

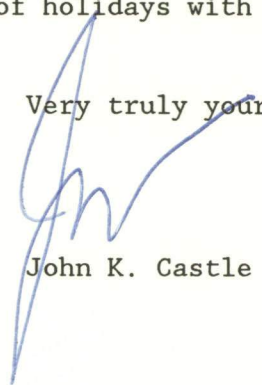
Dear Allan:

As 1991 draws to a close, the entire Castle Harlan team wants to express its appreciation to our partners, clients and friends for their continued support through this difficult economic period. It is relationships like these that will lead us to long term success and prosperity.

In 1991, as in most other years, political activities in the Middle East have had a profound impact on world affairs. In our view, the most profound recent book on the Middle East is From Beirut to Jerusalem by Thomas L. Friedman. Enclosed is a copy which we hope you might also find insightful.

We wish you and your family the very best of holidays with peace and prosperity for 1992.

Very truly yours,



John K. Castle

FROM Beirut TO Jerusalem



Now with an Epilogue by the Author

THOMAS L.
FRIEDMAN

WINNER OF THE 1989
NATIONAL BOOK AWARD

THE WHITE HOUSE

WASHINGTON

January 13, 1992

Dear John:

Many thanks for sending me a copy of *From Beirut to Jerusalem* by Thomas L. Friedman. I have only as yet had an opportunity to leaf quickly through the book but I am prepared to accept your view that it is the most profound recent book on the Middle East and obviously something that I shall read with great care given the importance of that region in today's world.

My hope that all goes well with Castle Harlan and more particularly, with the Castles. I do miss the opportunity of meeting regularly with you and the other UNC directors; this was a truly unique group and I thoroughly enjoyed my interactions with it. I ran into Bill Hittinger recently and learned about the almost complete reconstruction of UNC into a totally air-oriented organization. I also saw Dan Colussy at the most recent ceremony at which the Malcolm Baldrige Award was being given by the President in the Department of Commerce auditorium.

If you find yourself in Washington, please do give me a call and little warning because I would welcome the opportunity to take you to lunch at the White House Executive Mess.

With warmest best wishes, and the hope that 1992 is a happy, healthy and rewarding one for you and your family.

With all best wishes,

D. Allan Bromley



The Assistant to the President
for
Science and Technology

Mr. John K. Castle
Castle Harlan, Incorporated
150 East 58th Street
New York, New York 10155

"Document Control"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9125208
DIRECTORATE STATUS

FROM: ELTINGE, Lamont: SAE INTERNATIONAL

TO: DR. D.A. BROMLEY

Sara

DATE OF
CORRESPONDENCE: 12/17/91

SUBJECT: A LETTER EXPRESSING HIS REGRET THAT DR. BROMLEY
COULD NOT JOIN THEM FOR THEIR MEETING, AND A THANK
YOU FOR DR. WONG'S PARTICIPATION. HE PROVIDES SOME
SUGGESTIONS FOR THE PRESIDENTS TRIP TO KOREA, AND
ASKS FOR SUPPORT FOR THEIR STUDENT EXCHANGE PROGRAM.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED: SB/MA

ACTION
REQUIRED: FOR DAB'S SIGNATURE

STAFF
ACTION: →

*Sara - Dr. Wong may
wish to draft reply,
since he met w/
Eltinge. Please
check before
draft.
12/30/91*

SENDER'S DUE DATE:
OSTP DUE DATE: /12/06/92
DATE COMPLETED: STAFF DUE DATE 1/6/92
DATE COMPLETED/DEPT: 2/26/92

COPIES TO: D. Allan Bromley
INDUSTRIAL

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 12/23/91
FILE: INTERNATIONAL

DEPT RECEIVED:

p-
CENTRAL FILES:

THE WHITE HOUSE

WASHINGTON

February 24, 1992

Dear Lamont:

Thank you for your letter dated December 17. I was pleased to hear that Gene Wong was well received.

The President had a successful visit to Korea. During the visit, a new science and technology agreement was signed, and I hope to visit Korea later this year to initiate activities under the agreement. I will certainly keep your ideas in mind.

I congratulate SAE-Korea's accomplishments in the area of cooperation between the United States and Korea.

Sincerely yours,

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

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

Dr. Lamont Eltinge
SAE International
400 Commonwealth Drive
Warrendale, PA 15096-0001

RECEIVED

OFFICE OF THE PRESIDENT

91 DEC 23 P 3:50

CABLE ADDRESS: SOCAUTOENG, PA
TELEX NO. 866-355

December 17, 1991

OSTP
MAIL ROOM

Dr. D. Alan Bromley
Office of Science and Technology Policy
Old Executive Office Building
Room 358
Washington, D.C. 20506

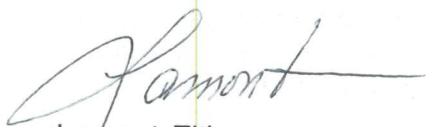
Dear Alan:

SAE and I are sorry that it didn't work out that you could be with us and share bread and your thoughts with us Tuesday evening, December 3rd. We understand the call of duty required a change of plans. It's too bad that was the case. I hope we will have an opportunity to let you meet many of societies' and industries' leaders in the year ahead - perhaps at our annual banquet, the evening of February 27th. We appreciate Gene Wong's filling the gap with an excellent overview of OSTP and thoughtful response to our questions.

One of our new Board members, Dr. Sang-Kee Suh, is Vice President of the Korea Institute of Machinery and Metals; his card is attached. After hearing from Gene Wong that you were going to be in Korea in January and meet with the Korean Minister of Science as part of President Bush's visit to Korea, he suggested you might want to mention, as a positive example of cooperation between our two countries, the results of a meeting in Korea in late October. At that time we arranged that the Society of Automotive Engineers and SAE-Korea would extend to the student members of SAE-Korea membership in SAE. In addition we have sent SAE-Korea information about our student competitions for their use in planning similar events in their country. Those competitions are an excellent tool for developing young people into engineers excited about careers in engineering. You and the Science Minister might want to consider having the two governments underwrite travel expenses for the winner of an SAE-Korea student design competition to come "to the states" and meet and compete with their U.S. counterparts. As Dr. Suh very eloquently points out, that would be a relatively low cost way to plant some seeds of mutual understanding and cooperation that would have a good opportunity of bearing fruit over the next three or four decades. I think the idea is very attractive. I hope you do and I would be pleased to review it in more detail with you. Please call me if you are interested and I can provide much more information. If you can't reach me at either of the offices noted on the enclosed business card, feel free to call me at home (313-349-9342) over the holidays.

Best regards. I am frequently reminded of my experiences in OSTP. Please accept my best wishes for a Merry Christmas and a productive 1992 and relay them to my friends in OSTP.

Sincerely,



Lamont Eltinge
1991 SAE President

cc: Dr. Eugene Wong
Sang-Kee Suh

SAE The Engineering Society
For Advanced Mobility
Land Sea Air and Space
INTERNATIONAL®

400 COMMONWEALTH DR., WARRENDALE, PA 15096-001 412/776-4841
TELEX: 866-355 FAX: 412/776-5760 CABLE: SOCAUTOENG, PA

Lamont Eltinge
1991 PRESIDENT



韓國機械研究所

先任研究部長 徐 相 箕
工 學 博 士

慶尚南道 昌原市 上南洞 66番地
TEL. (0551) 80-3102 FAX. 80-3333
서울직통: (02) 233-8 6 2 1~3번
TLX. KIMMROK K53835

Lamont Eltinge
Director of Research



Eaton Corporation
Corporate Research & Development
26101 Northwestern Highway
P.O. Box 765
Southfield, Michigan 48037
(313) 354-6854
FAX (313) 354-7260



KOREA INSTITUTE OF MACHINERY & METALS

Sang-Kee Suh Ph. D.
VICE PRESIDENT

66, SANGNAM DONG, CHANGWON,
KYUNGNAM, KOREA.
TEL. (0551) 80-3102, (02) 233-8621 ~ 3
TLX. KIMMROK K53835 FAX. (0551) 80-3333

logged



"Document Control"

DOCUMENT NUMBER: 9125169

TYPE: ACTION

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: IACHELLO, Franco: YALE UNIVERSITY CENTER FOR THEORETICAL PHYSICS

TO: DR. D.A. BROMLEY

Sara

DATE OF
CORRESPONDENCE: 12/16/91

SUBJECT: HE FORWARDS A LETTER FROM VLADIMIR PAAR REGARDING
THE SITUATION IN CROATIA AND A REQUEST THAT
PRESIDENT BUSH AND CONGRESS SEND A FACT-FINDING
MISSION TO CROATIA.

DIRECTORATE

STAFF

ASSIGNED: INTERNATIONAL/POLICY

ASSIGNED: SB

ACTION
REQUIRED: FOR DAB'S SIGNATURE

STAFF
ACTION: FOR DAB's signature

SENDER'S DUE DATE:

OSTP DUE DATE: 12/31/91

STAFF DUE DATE 12/30/91

DATE COMPLETED:

DATE COMPLETED/DEPT: 1/3/92

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS: Per JTR: send to unanswered correspondence.

OSTP RECEIVED: 12/19/91

DEPT RECEIVED:

FILE: P-INTERNATIONAL

CENTRAL FILES:

CLOSED

5169



Yale University
Center for Theoretical Physics
Sloane Physics Laboratory
217 Prospect Street
P.O. Box 6666
New Haven, Connecticut 06511

Francesco Iachello

Josiah W. Gibbs Professor

203 432-6944

FAX 203 432-5741

RECEIVED
91 DEC 19 P 1:22

OSTP
MAIL ROOM
December 16, 1991

Professor D. Allan Bromley
Science Advisor to the President
Executive Office of the President
Office of Science and Technology Policy
Old Executive Building, Rm. 360
17th and Pennsylvania Ave., N.W.
Washington, DC 20506

Dear Allan:

It was nice seeing you, though briefly, in New Haven. I enclose herewith a letter that was sent to me by Vladimir Paar with a request to forward it to you.

I take this opportunity to wish you a Merry Christmas and Happy New Year.

Sincerely Yours

Franco Iachello

Prof. V. PAAR

Prirodoslovno-matematički fakultet

ZAVOD ZA TEORIJSKU FIZIKU

THEORETICAL PHYSICS DEPARTMENT

Marulićev trg 19/I — P. O. B. 162

41000 Zagreb, Croatia

Professor A. D. BROMLEY

Science Adviser to The President

The White House

Washington D.C.

Dear Professor Bromley,

in these ~~desperate~~ and tragic days for Croatia, I beg you to help that the premisses on which the US policy towards Croatia is based, be questioned. I felt free to contact you on this matter, having in mind your longtime scientific contacts with scientists in Croatia and your personal insights.

The human sufferings and destruction in Croatia are immense. The mighty Communist Yugoslav army (in fact, the army of the communist regime in Serbia), the third largest European army, is in an all out war against Republic of Croatia. Defence forces of democratic government of Croatia consist only of police and national Guard armed by light firearms. It is estimated that, so far, around 15.000 people have been killed, 40.000 wounded, 520.000 driven from their homes and now are homeless, civilian objects in the value of about 20.000 million US\$ were destroyed, a few dozens of towns and villages and 300 churches were destroyed by air and artillery bombardments etc. Most recently, the town Vukovar, which had 45000 inhabitants, is completely destroyed.

We are convinced that the main goal of the communists is to destroy democracy in Croatia and to install the hard-line communism. They believe that such communist success would encourage communist hardliners in other East European countries too, in particular in USSR and Romania, hoping that a new Communist Alliance in Eastern Europe will be formed.

We are very concerned whether the President and the State secretary have the real information on the situation in Croatia. Namely, Mr Lawrence Eagleburger, Undersecretary of State, expressed the views which, I assure you, do not stand. ("In Yugoslavia the two confronting sides are determined to continue to kill each other for own reasons... What is the reason for that? I think that most of the reasons are irrational... US and Europe cannot solve the problem which their participants do not want to solve. At this moment they want to continue the war." ("MacNeil/Lehrer Newshour" at NET, as quoted in the journal Vremik of November 10).)

If these are the views present in the State Department, I ~~feel~~ that it would be helpful for the US government to ~~consult~~ the views of those distinguished persons ~~who are~~ pointing out to rational political and economic reasons of the Croatian tragedy. In particular, such persons are:

Senator Robert Dole

Congressman Dana Rohrabacher

Congressman Christopher Smith

Margaret Thatcher, former P.M. of U.K.

Otto von Habsburg, member of European parliament in Strassbourg

Mrs. Thatcher is pointing out that this is not an ethnic conflict, but the aggression of Serbian communism against democracy in Croatia.

Mr Habsburg concludes: "It seems that West does not understand that all generals of Yugoslav army are sworn marxists. In the case of serbian generals, similar as formerly with Pol Pot's communists in Cambodia, the matter is only of pragmatic concrete realization of the marxist ideology."

I think that it would be of extreme impact if the President and the Congress would send the fact-finding missions to Croatia, to gain an independent assessment of situation including inspection of documents, on the spot surveys and contacts with independent intellectuals.

Thank you very much for your consideration.

Sincerely yours,
Vladimir Pav

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125165

ORIGINATOR: 02

STATUS

DIRECTORATE STATUS

FROM: SANCHEZ, David A.: NATIONAL SCIENCE FOUNDATION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/16/91

SUBJECT: RE: REPORT ON A RECENT MEETING WITH LATIN AMERICAN
EXPERTS TO DISCUSS A LATIN AMERICAN SCIENCE
INITIATIVE.

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: 12/19/91
FILE: P-INTERNATIONAL

DEPT RECEIVED:

CENTRAL FILES:

5165

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550



OFFICE OF THE
ASSISTANT DIRECTOR
FOR MATHEMATICAL AND
PHYSICAL SCIENCES

91 DEC 19 11:21

OSTP
MAIL ROOM

December 16, 1991

TO : Dr. D. Allan Bromley, Assistant to the President
for Science and Technology
Dr. Walter Massey, Director

FROM : Assistant Director, MPS *David A. Sanchez*

SUBJECT: Report on a recent meeting with Latin American
experts to discuss a Latin American science initiative

I was invited by the Organization of American States to represent the United States at a "Reunion de Expertos", held 9-11 December at Punto del Este, Uruguay, to determine the general guidelines of a Latin American science initiative spearheaded by President Lacalle of Uruguay. A list of the attendees is attached, as well as the letter of invitation; my presence was strongly urged in part because of my previous participation in an OAS forum, my responsibilities within the federal science structure, and the fact that I am completely bilingual in Spanish.

The initiative under consideration is entitled MECCO, Mercado Comun del Conocimiento, or the Common Market of Knowledge, whose goal is to develop through cooperative mechanisms the encouragement and development of science and technology in the countries of Latin America and the Caribbean. A very important underlying concern was clearly evident, namely the "Fuga de Cerebros" - the brain drain being felt by all the major Latin American countries.

President Lacalle, with whom I met for discussion and dinner, is a leader with vision and has been the driving force behind MECCO. He clearly believes Uruguay must play a major coordinative role in the initiative, which although under the OAS umbrella, must be semi-independent. This need for independence was expressed by other participants, and stems from a belief that OAS is too heavily bureaucratic, and tends to use formula based funding, which inhibits the potential of the smaller, less developed countries.

The meeting started with the usual day of perorations by invited visitors and the panel members - at any Latin American meeting the lofty guiding principles and philosophical issues must be addressed before getting down to brass tacks. But the second day a vast number of policy recommendations were suggested, discussed, and either rejected or finely tuned. The thorny issue of Uruguay's preemptive foray was settled - when you take the lead in Latin America you must be prepared to have your heels bitten.

The third and final day consisted of the preparation of a set of recommendations and a presentation of them to President Lacalle. The recommendations were prioritized by the group, and the next step will be to convene in late 1992 a larger but manageable convocation of university scientists, science policy makers, and industry representatives to design the needed programs of cooperation. It is expected that this meeting will also be held in Uruguay (Montevideo).

I will eventually get to you the five-page set of recommendations, once I get them translated, but some of the key points are given below:

- o The financial resources of MECCO will be provided through a fund (El Fondo) administered by an Executive Secretary, but under the authorization of a permanent committee, consisting of scientists, technological leaders, and industrialists "del maximo prestigio." The permanent committee will act as a board of trustees but will also design both the greater program and the mechanisms of evaluation.
- o The funds of MECCO will not be distributed by national quotas, but will be based solely on the quality of the projects and their contribution to interamerican cooperation.
- o Proposals to MECCO can be made directly without passing through intervening national bodies of evaluation and prioritization.

(Note: anyone familiar with Latin American bureaucratic tendencies will recognize the above as major steps to link the funding directly to the investigators.)

Key programmatic areas include

- o Regional or subregional science or technology projects with a required multinational component.
- o Post graduate education.
- o Creation of regional research centers.
- o Pilot projects with impact on technology transfer, including industrial/university incubator activity.
- o Exchange of students and faculty amongst countries.
- o Promotion of the recapture of Latin American scientists abroad.

There is a lot more which will be provided when the translation is complete, but I think the above give the flavor of the deliberations. Highest quality of all activities was a thematic leitmotif of the discussions.

A vital question is funding - at what levels and from what sources? The MECCO fund will be created from

Direct contributions from member states;
Conversion of "debt for science" through negotiation;
President Bush's Enterprise for the Americas Initiative;
Contributions from other countries or international organizations.

It was strongly suggested that an agreement be negotiated with the International Development Bank to channel some of their loans for science and technology into the fund. I discussed the general concept of MECCO with an IDB representative present at the meeting and he was very enthusiastic about the ideas presented.

Finally, it was also suggested that presidential agreements within each country be negotiated to dedicate in a systematic manner a percentage of the public expenditure in science and technology to Interamerican cooperative activities supporting the MECCO activities. The suggested figure was 2%, and most observers regarded this figure and the overall suggestion as a very thorny issue. An optimistic assessment by the OAS representatives was that they would like to envision initial support for \$60M of scientific and technological activity over three years, with the dollar figure representing contributions by countries and "matching" support from external sources.

My purpose in sending this summary report to you is my gut feeling that the MECCO initiative has a lot of promise, and if successful, will create opportunities for US science and technology to build real bridges to the Latin American states. The tone of the participants was positive and expressed a real desire to overcome the usual roadblocks to interamerican cooperation, and to seek to support high quality activities - peer review was mentioned very frequently. I admit that MECCO will likely face a rocky road to fruition, and the funding questions are serious ones, but the US should keep a close watch in view of the tremendous potential it has to offer. I believe our support and consultation will be very well received.

A handwritten signature in cursive script that reads "David".

David A. Sanchez

Enclosures

cc: Marcel Bardon, INT



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZAÇÃO DOS ESTADOS AMERICANOS
ORGANISATION DES ETATS AMERICAINS
ORGANIZATION OF AMERICAN STATES

17th Street and Constitution Avenue, N.W. Washington, D.C. 20006

REUNIÓN DE EXPERTOS

**FORO PARA EL INTERCAMBIO DE
CONOCIMIENTO CIENTÍFICO Y TECNOLÓGICO DE LA OEA**

Iniciativa del Presidente del Uruguay, Dr. Luis Alberto Lacalle

Punta del Este, Uruguay - 9 al 11 de diciembre de 1991

EXPERTOS REGIONALES:

Nombre	Cargo	Dirección
Fausto Alzati	Director General Consejo Nacional de Ciencia y Tecnología	Circuito Cultural Centro Cultural Universitario 04515-CU México, D.F. Tel.: (52-5) 665-1177 Fax: (52-5) 665-1177 Ext. 2852
Dulce Arnao de Uzcátegui	Ministro de Ciencia y Tecnología Ministerio de Ciencia y Tecnología	Sede Principal del CONICYT Edificio MAPLOCA, 3er piso Avd. Los Cortijos de Lourdes 1071 Caracas, VENEZUELA Tel.: (58-2) 239-5923 Fax: (58-2) 239-6261
Louis Berlinguet	Président Conseil de Science et Technologies du Québec	3 Complex Desjardins Tour Nord, 26 étage Montréal, Québec CANADA H5B 1B3 Tel.: (514) 873-3493 Fax: (514) 873-5134

EXPERTOS REGIONALES: (continuación)

Nombre	Cargo	Dirección
Gabriel Betancur	Experto (ex-Ministro de Educación de Colombia y ex-Presidente fundador de ICETEX	Transversal 17-1 # 9845 Apto. 1003 Santafé de Bogotá COLOMBIA Teléfono y Fax: (57-1) 257-8112
Jaime Lavados	Rector Universidad de Chile	Alameda 1058, Of. 112 Santiago, CHILE Tel.: (56-2) 698-9539 Fax: (56-2) 698-1891
Orlando Morales	Ministro de Ciencia y Tecnología Ministerio de Ciencia y Tecnología	Banco Nacional de Costa Rica en San Pedro 100 al Este y 350 al Sur San Pedro de Montes de Oca Apartado 5589-1000 San José, COSTA RICA Tel.: (506) 248-295
José Pelucio Ferreira	Presidente Fundacao Padre Leonel Franca	Pontificia Universidade Catolica Fundacao Padre Leonel Franca Rua Marques de Sao Vicente # 225, 5 andar 22453 Rio de Janeiro BRASIL Tel.: (55-21) 511-1942 (55-21) 274-4498 Casa: (55-21) 287-2721 Fax: (55-21) 511-5645
Eduardo Savino	Gerente Investigación y Desarrollo Comisión Nacional de Energía Atómica (CNEA)	Avda. Libertador 8250 (1429) Buenos Aires ARGENTINA Tel.: (54-1) 544-6467 ó 440-8410 Casa: (54-1) 775-6172 Fax: (54-1) 544-6467 ó 764-5644

EXPERTOS REGIONALES: (continuación)

Nombre	Cargo	Dirección
David Sánchez	Assistant Director National Science Foundation (NSF)	1800 G Street, N.W. Suite 512 Washington, D.C. 20550 U.S.A. Tel.: (202) 357-9742 Fax: (202) 357-9869
José Pedro Segundo	Professor Department of Anatomy and Cell Biology, School of Medicine	University of California School of Medicine Department of Anatomy and Cell Biology, Los Angeles, California 90024-1763 Tel.: (213) 474-4612
Luis Yarzabal	Director Instituto de Higiene Universidad de Uruguay	Instituto de Higiene Avda. Alfredo Navarro 3051 1160 Montevideo, URUGUAY Tel.: (598-2) 471-288 Fax: (598-2) 801-597

EXPERTOS INVITADOS:

Nombre	Cargo	Dirección
Gregorio García Herdugo	Asesor Comisión Interministerial de Ciencia y Tecnología	Secretaría General, Plan Nacional de Investigación y Desarrollo Rosario Pino 14 y 16 28020 Madrid, España Tel.: 34-1-572-0098 Fax: 34-1-578-996

OBSERVADORES:

Vladimir Radovic	Representante del BID en el Uruguay	
------------------	--	--

COORDINADOR:

Nombre	Cargo	Dirección
Sonia Saumier-Finch	Directora, Departamento de Asuntos Científicos y Tecnológicos	Organization of de Estados Americanos Departamento de Asuntos Científicos y Tecnológicos 1889 F Street, N.W. Washington, D.C. 20006 Tel.: (202) 458-3368 Fax: (202) 458-3361

ASESOR:

Nombre	Cargo	Dirección
Orlando Mason	Especialista Principal Departamento de Asuntos Científicos y Tecnológicos	Organización de Estados Americanos Departamento de Asuntos Científicos y Tecnológicos 1889 F Street, N.W. Washington, D.C. 20006 Tel.: (202) 458-3345 Fax: (202) 458-3361

CONSULTORES:

Nombre	Cargo	Dirección
Mario Waissbluth	Gerente General INVERTEC IGT, S.A.	INVERTEC IGT, S.A. Américo Vespucio Norte 1165 Santiago, CHILE Tel.: (56-2) 228-1611 ó 228-3973 Fax: (56-2) 208-3481
Mario Albornoz	Secretario de Ciencia y Tecnología Universidad de Buenos Aires, Argentina	Domicilio: . Pueyrredon 2110 1er piso 1119 Buenos Aires Argentina Tel. de la oficina: (54-1) 311-5720 Fax: (54-1) 311-0516



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZAÇÃO DOS ESTADOS AMERICANOS
ORGANISATION DES ETATS AMERICAINS
ORGANIZATION OF AMERICAN STATES

17th Street and Constitution Avenue, N.W. Washington, D.C. 20006

November 25, 1991

Dear Dr. Sanchez:

It is my pleasure to invite you to form part of the group of leading experts from the hemisphere convened to determine the general guidelines of the Permanent Forum for the Exchange of Scientific and Technological Knowledge that has been set up in support of an initiative launched by President Lacalle of Uruguay.

As I mentioned by telephone, the Inter-American Council for Education, Science and Culture (CIECC), meeting in Washington, D.C., last April, and later the General Assembly of the OAS, meeting in Santiago, Chile, in June, agreed to "institute in the OAS a Forum for the Exchange of Scientific and Technological Knowledge as a permanent instrument for the purpose of promoting and effecting exchanges and dissemination of scientific and technological knowledge among the member States of the Organization of American States for the establishment of a Common Market of Knowledge among them."

The general purpose of the Forum is to propose measures conducive to the development and integration of knowledge, capabilities and scientific and technological activities of the member States of the Organization of American States. It is meant to provide an appropriate setting for experts of the member States to identify needs and opportunities of common interest, analyze related alternative actions, and promote joint activities.

CIECC and the General Assembly have deemed it appropriate for the Forum to embark on its activities by holding a meeting of universities and research centers in 1992. An earlier meeting of leading experts will be held to propose general guidelines for the Forum and make preparations for the meeting of universities and research centers.

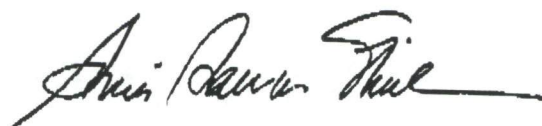
Dr. David Sanchez
Assistant Director for
Mathematical and Physical Sciences
National Science Foundation
Washington, D.C.

The preparatory meeting will be attended by ten to twelve leading experts and will be held in Punta del Este, December 9-11, 1991. (See attached) A working document that will embody the principal conclusions and recommendations emanating from recent international meetings on these topics is being prepared. For background, please see the enclosed preliminary document.

In order to facilitate your participation, the OAS will provide air fares and per diem for attendance at the meeting of experts.

We are looking forward to your valuable support and shall be pleased to make any clarifications you request or to provide additional information.

Sincerely,



Sonia Saumier-Finch
Director, Department of
Scientific and Technological Affairs

Enclosures

The initiative of President Lacalle is a response to these challenges. CIECC and the General Assembly endorsed the initiative and resolved "to institute in the OAS a Forum for the Exchange of Scientific and Technological Knowledge as a permanent instrument for the purpose of promoting and effecting exchanges and dissemination of scientific and technological knowledge among the member States of the Organization of American States for the establishment of a Common Market of Knowledge among them."

The Forum is meant to provide an appropriate setting for experts from the member States to identify needs and opportunities of common interest, analyze related possibilities for action, and propose initiatives for the exchange of experience, mutual support and joint action in science and technology.

General Objective

To propose measures conducive to the development and integration of the fund of knowledge, capabilities, and science and technology activities of the member States of the Organization of American States, and seek to bring them in line with new global conditions in order to heighten their contribution to comprehensive development in all its dimensions.

Specific objectives

1. To identify those situations, needs, opportunities and policies in the fields of science and technology that would be of common interest to the member States.
2. To acquire knowledge, exchange experiences, collaborate in the development of and disseminate information on potential policy instruments and measures for adoption by the governments, academic and technical institutions, and other organizations in the member States, in support of research and innovation.
3. To identify, establish and improve mechanisms for multinational collaboration and financing for manpower recruitment and development, organizational structures, information networks, research, and services in organizations active in regional science and technology development.

4. To promote joint activities to improve quality, reduce costs, and shorten the time needed to attain results denoting scientific and technological excellence and contributing to the economic and social development of the member States.

Instruments of Action

The basic instrument of action for the institution of the Common Market for the Exchange of Scientific and Technological Knowledge will be a Permanent Consultative Forum. A forum is an appropriate setting for experts from the member States to identify needs and opportunities of common interest, analyze related alternative actions and promote joint activities.

CIECC and the General Assembly deem it appropriate for the Forum to commence its activities with a meeting of universities and research centers to be held in 1992.

Formulation of a Plan of Action

The support of eight to ten leading experts will be requested for the purpose of proposing guidelines for the Permanent Consultative Forum and to make preparations for the meeting of universities and research centers. The experts will meet at Punta del Este in December 1991.

In identifying the issues to be considered by the group of experts and in addition to the mandates of CIECC and the General Assembly, the findings and conclusions emerging from recent meetings on science and technology sponsored by the OAS, IDB, UNDP, ECLAC, UNESCO, UNIDO, CYTED-D, COLCYT-SELA, JUNAC, CINDA, SECAB, CTCAP and other subregional, world, and regional entities collaborating in the scientific and technological development of the region will be also borne in mind. Some of the issues identified thus far are included in the appendix.

In considering the above topics, special attention will be given to integration initiatives already underway, e.g., the Bolivar Program and the Enterprise for the Americas. In view of this, a representative of the Inter-American Development Bank will be invited to attend the meeting.



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZAÇÃO DOS ESTADOS AMERICANOS
ORGANISATION DES ETATS AMERICAINS
ORGANIZATION OF AMERICAN STATES

17th Street and Constitution Avenue, NW Washington, D.C. 20006

COMMON MARKET FOR THE EXCHANGE
OF SCIENTIFIC AND TECHNOLOGICAL KNOWLEDGE

POSSIBLE TOPICS FOR THE MEETING OF EXPERTS

1. Inter-American cooperation to create conditions conducive to the development and dissemination of scientific and technological knowledge in the hemisphere
 - a) Analysis of the status and trends of science and technology in the region. *NSF Considering Science Indicators for Latin American Countries*
 - b) Mechanisms for arranging debt-for-equity swaps in science and technology. *Enterprise for Americas Initiative*
 - c) Co-financing of multinational activities drawing on resources from national projects in science and technology financed by borrowing from the IDB, IBRD and other international lending institutions, broken down by country for coverage of each one's percentage share and part of the overhead costs.
2. Partnership and cooperation among universities and research centers
 - a) Intra-regional cooperation at post-graduate level.
 - b) Centers with specific regional outreach.
 - c) Agreements with universities in the industrialized nations.
 - d) Multidisciplinary services offered to governments and business.
 - e) Development of research organization and management systems.

3. Concerted action in the dissemination of scientific and technological knowledge
 - a) Networks for exchanges and dissemination of scientific and technological knowledge. [N.B. The Department of Scientific and Technological Affairs, DACYT, is working on this aspect by instructions of the Inter-American Council for Education, Science and Culture, CIECC, and the General Assembly.]
 - b) Collection (documents, video tapes) and dissemination of recent, generally applicable technological knowledge.
(Not all free!)
4. Promote multilateral agreements on a program of cooperation in manpower recruitment and development in science and technology.
 - a) Refresher courses for professionals.
5. Limit the negative effects of the brain drain
 - a) Use of experts from the region living abroad.
 - b) Mechanisms to win back high-level professionals to the region.

TASK381A.91I/FV



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZAÇÃO DOS ESTADOS AMERICANOS
ORGANISATION DES ETATS AMERICAINS
ORGANIZATION OF AMERICAN STATES

17th Street and Constitution Avenue, NW Washington, D.C. 20006

FORUM OF EXPERTS ON
COMMON MARKET FOR EXCHANGES
OF
SCIENTIFIC AND TECHNOLOGICAL KNOWLEDGE

Punta del Este, Uruguay - December 9-11, 1991

TENTATIVE LIST OF PARTICIPANTS

EXPERTS:

ARGENTINA

Eduardo Savino, General Manager, Technological Development, National Commission of Atomic Energy, Argentina.

BRAZIL

José Pelucio Ferreira, former President of "Financiadora de Estudos e Projectos"; Vicepresident of the National Science and Technology Council; Secretary of Science and Technology of the State of Rio de Janeiro.

CANADA

Louis Berlinguet, was Chief Science Advisor to Prime Minister Canada, presently President, Science and Technology Council of Quebec.

CHILE

Jaime Lavados, Rector, University of Chile.

COLOMBIA

Gabriel Betancur, educator and politician. Member of the Group of Experts that structured the Regional Programs on Education, Science and Technology and Culture of the Organization of American States.

NOV-15-1981
COSTA RICA

Orlando Morales, Minister of Science and Technology

MEXICO

Fausto Alzati, Director General, National Science and Technology Council.

SAINT LUCIA

Joseph Edsel Edmunds, Scientist, Ambassador, Permanent Representative of Saint Lucia to the Organization of American States.

UNITED STATES

David Sánchez, Assistant Director, Mathematical and Physical Sciences, National Science Foundation.

URUGUAY

José Pedro Segundo
Alejandro Zaffaroni

VENEZUELA

Dulce de Uzcátegui, Minister of Science and Technology

COORDINATOR:

Sonia Saumier-Finch, Director, Department of Scientific and Technological Affairs, Organization of American States

ADVISOR:

Orlando Mason, Senior Specialist, Department of Scientific and Technological Affairs, Organization of American States

CONSULTANTS:

Mario Waissbluth
Mario Albornoz

COMMON MARKET FOR THE EXCHANGE
OF SCIENTIFIC AND TECHNOLOGICAL KNOWLEDGE

PRELIMINARY REFERENCE DOCUMENT

Background

The last decade witnessed rapid progress in science and technology, coupled with an expansion in worldwide flows of knowledge and a demand for technical updating at every level. Higher education and research have become the primary vehicles for the assimilation of scientific and technological knowledge freely available at world level, and for the general and local dissemination of that knowledge.

In response to these changes, governments, academic, and technical institutions, as well as business have been taking steps to bring education, science, technology, agriculture, and industry in the region into line with new regional and world conditions.

Governments confront the complex task of implementing policies that will foster conditions conducive to research and innovation in every institutional sphere and promote scientific, technological, economic, and social progress. Governments in particular must help establish mechanisms to further multinational partnerships and cooperation for research and innovation in a world characterized by large-scale multinational industrial, scientific and technological consortiums.

In the case of academic and technical institutions, these measures aim at the attainment of excellence in professional development and research, in a global scientific and technological setting that is increasingly complex and dynamic. At the same time they seek new types of partnership arrangements with business and government to help address social-economic needs as well as to settle budgetary problems and obtain the funding needed for better overall performance of their institutional missions.

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125274

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: GREINER, Walter: THEORETISCHE PHYSIK

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/10/91

SUBJECT: HE IS FORWARDING A LETTER FROM PROFESSOR V. PAAR
FROM ZAGREB REGARDING THE CURRENT SITUATION IN
CROATIA.

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: 12/31/91
FILE: P-INTERNATIONAL

DEPT RECEIVED:

CENTRAL FILES:

5274 I

Institut für
Theoretische Physik
der Universität Frankfurt a. M.
Prof. Dr. Walter Greiner

RECEIVED

91 DEC 31 A10: 33

OSTP
MAIL ROOM

Robert-Mayer-Straße 8-10
Postfach 11 19 32
D-6000 Frankfurt/Main 11
Telefon (069) 798-2332
Telefax (069) 798-8350

December 10, 1991

Prof. D. A. Bromley
Science Advisor to the President
The White House
Washington D.C.

USA

Dear Allan,

the enclosed letter to you was sent to me by Prof. V. Paar from Zagreb. He asked me to forward it to you, what I do. These people down in Croatia are very desperate, and these actions are just an expression of that.

With best wishes,

sincerely yours,



(Walter Greiner)

1 Encl.

W. L. L.

V. PAAR

Prirodoslovno-matematički fakultet

ZAVOD ZA TEORIJSKU FIZIKU

THEORETICAL PHYSICS DEPARTMENT

Marulićev trg 19/I — P. O. B. 162

41000 Zagreb, Croatia

Prof. A. D. BROMLEY

Science Advisor to the President

The White House

Washington D.C.

Dear Professor Broomley,

in these desperate and tragic days for Croatia, I beg you to help that the premisses on which the US policy towards Croatia is based, be questioned. I feel free to contact you on this matter, having in mind your scientific contacts with scientists in Croatia and your personal insights.

The human sufferings and destruction in Croatia are immense. The mighty Communist Yugoslav army (in fact, the army of the communist regime in Serbia), the third largest European army, is in an all out war against Republic of Croatia. Defence forces of democratic government of Croatia consist only of police and national guard, armed by light firearms. It is estimated that, so far, around 15.000 people have been killed, 40.000 wounded, 520.000 driven from their homes and now are homeless, civilian objects in the value of about 20.000 million US\$ were destroyed, a few dozens of towns and villages and 300 churches were destroyed by air and artillery bombardments etc. Most recently, the town Vukovar, which had 45.000 inhabitants, was completely destroyed by the Yugoslav army.

We are convinced that the main goal of the communists is to destroy democracy in Croatia and to install the hard-line communism. They believe that such communist success would encourage communist hardliners in other East European countries too, in particular USSR and Romania, hoping that a new Communist Alliance would be formed in Eastern Europe.

We are very concerned whether the President has the ~~real~~ information on the situation in Croatia. Namely, Mr Lawrence Eagleburger, Undersecretary of State, expressed the views which, I assure you, do not stand. ("In Yugoslavia the two confronting sides are determined to continue to kill each other for own reasons... What is the reason for that? I think that most of the reasons are irrational... US and Europe cannot solve the problem, which their participants do not want to solve. At this moment they want to continue the war." ("MacNeil/Lehrer News-hour" at NET, as quoted in the journal *Vesnik* of November 10.))

If these are the views present at the State Department, I feel that it would be helpful for the US government to consult the views of those distinguished persons who are pointing out to the rational political and economic reasons of the Croatian tragedy. In particular, such persons are:

Senator Robert Dole

Congressman Dana Rohrabacher

Congressman Christopher Smith

Margaret Thatcher, former P.M. of U.K.

Otto von Habsburg, member of the European parliament in Strasbourg

Mrs. Thatcher is pointing out that this is not an ethnic conflict, but the aggression of Serbian communism against democracy in Croatia.

Mr Habsburg concludes: "It seems that West does not understand that all generals of Yugoslav army are sworn marxists. In the case of Yugoslav army, similar as formerly with Pol Pot's communists in Cambodia, the matter is only of pragmatic concrete realization of marxist ideology."

I think that it would be of extreme impact if the President and the Congress would send fact-finding missions to Croatia, to gain an independent assessment of the situation, including inspection of documents, on the spot surveys and contacts with independent intellectuals.

Thank you very much for your consideration.

Sincerely yours,
Vladimir Poar

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125111

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: WINEGARD, William C.: MINISTER FOR SCIENCE, CANADA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/09/91

SUBJECT: A THANK YOU NOTE TO DR. BROMLEY FOR MEETING WITH HIM
DURING HIS VISIT TO WASHINGTON.

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: 12/13/91
FILE: B-INTERNATIONAL

DEPT RECEIVED:

CENTRAL FILES:

Minister for Science



Ministre des Sciences

RECEIVED
91 DEC 13 P 3: 04

OSTP
MAIL ROOM

Dr. Allan Bromley
Assistant to President for Science & Technology
Director, Office of S&T Policy
The White House
17th & Pennsylvania Avenue
Washington, D.C. 20500

Dear Allan,

I would like to thank you for taking the time to see me during my recent visit to Washington. I was very pleased with our conversation on how we can work more closely together and I look forward to following up on many of the issues we have discussed.

Sincerely yours,

William C. Winegard

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9123890

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: MURRIN, Thomas J.: DUQUESNE UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/04/91

SUBJECT: RE: HIS IMPRESSIONS FROM HIS EUROPEAN TRIP.

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
PCAST

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

OSTP RECEIVED: 12/12/91
FILE: P-INTERNATIONAL

DEPT RECEIVED:

CENTRAL FILES:

Impressions from European TripOctober, 1991

91 DEC 12 AIO: 51
MAIL ROOM

"For the file," the following are several impressions resulting from a recent visit to England and Switzerland. Having lived in Europe for about two years --- 30 years ago --- and having visited there since, these comments come on top of earlier insights ...

• Discerning Europeans are convinced that a larger home market will be a very positive factor for improving their Economy --- and are very enthused with the relevant prospects for their 12 nation EC '92, plus the 7 nation EFTA trading block which will provide a market of 380 million people --- much larger than our 250 million people market! That is, they will soon have a big advantage --- instead of us! Additionally, they expect to become the principal supplier to Central and East Europe which could bring the total market to about 600 million people --- while anticipating that this later segment will be slow to mature.

• Although many Americans are also optimistic about the emerging European market, it is probable that a successful American supplier will have to meet many challenging requirements --- including, as examples, that it is perceived as a largely European organization (even though headquartered in the U.S.); and that it provides significantly superior products and/or significantly superior service. (This is similar to what the Japanese are accomplishing in several American market segments.)

• Many influential Europeans have strong negative feelings about the Japanese and their apparent ambitions to "industrially invade" the U.K. and the Continent. They explain their seemingly cooperative actions --- involving joint ventures or major Japanese investments, for example --- as necessary "to obtain Japanese capital and/or Japanese knowhow". Probably more than most Americans, many Europeans judge that the Japanese already have an EC-like trading block with South Korea, Taiwan, Hong Kong and Singapore --- and soon with Malaysia, Thailand, Australia, PRC ...

• It is clear that in many product lines --- such as the Telecommunications equipment shown at the TELECOM '91 show in Geneva in October --- there will be a fierce competitive "shoot-out" among involved Americans, Europeans and Japanese during the next few years. This should benefit countless customers --- but will be a critical challenge to many companies!

Happy to discuss!


Thomas W. Murrin
November, 1991

1/2

May, please
close out. It
was decided no
response would be
made. m

Document Originally
Attached to
Following Page

Allan Bromley -

Unless you know him
I suggest this go into the
"unanswered correspondence"
file.

Agreed

JN
12/30/91

logged

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9125067
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: PAAR, Vladimir: PRIRODOSLOVNO MATEMATICKI FAKULTET

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/03/91

SUBJECT: A LETTER ASKING DR. BROMLEY TO HELP QUESTION THE
PREMISES ON WHICH THE U. S. POLICY TOWARDS CROATIA
ARE BASED.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED:

ACTION STAFF
REQUIRED: DIRECT REPLY ACTION: JTR's signature

SENDER'S DUE DATE:
OSTP DUE DATE: 12/20/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
Carl Bretscher

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

OSTP RECEIVED: 12/10/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:

CLOSED

V. PAAR

Prirodoslovno-matematički fakultet
ZAVOD ZA TEORIJSKU FIZIKU
THEORETICAL PHYSICS DEPARTMENT
Marulićev trg 19/I — P. O. B. 162
41000 Zagreb, Croatia

RECEIVED
91 DEC 10 P4:36
OSTP
MAIL ROOM

Prof. A. D. BROMLEY
Science Advisor to the President
The White House
Washington D.C.

Dear Professor Broomley,

in these desperate and tragic days for Croatia, I beg you to help that the premisses on which the US policy towards Croatia is based, be questioned. I feel free to contact you on this matter, having in mind your scientific contacts with scientists in Croatia and your personal insights.

The human sufferings and destruction in Croatia are immense. The mighty Communist Yugoslav army (in fact, the army of the communist regime in Serbia), the third largest European army, is in an all out war against Republic of Croatia. Defence forces of democratic government of Croatia consist only of police and national guard, armed by light firearms. It is estimated that, so far, around 15.000 people have been killed, 40.000 wounded, 520.000 driven from their homes and now are homeless, civilian objects in the value of about 20.000 million US\$ were destroyed, a few dozens of towns and villages and 300 churches were destroyed by air and artillery bombardments etc. Most recently, the town Vukovar, which had 45.000 inhabitants, was completely destroyed by the Yugoslav army.

We are convinced that the main goal of the communists is to destroy democracy in Croatia and to install the hard-line communism. They believe that such communist success would encourage communist hardliners in other East European countries too, in particular USSR and Romania, hoping that a new Communist Alliance would be formed in Eastern Europe.

We are very concerned whether the President has the real information on the situation in Croatia. Namely, Mr Lawrence Eagleburger, Undersecretary of State, expressed the views which, I assure you, do not stand. ("In Yugoslavia the two confronting sides are determined to continue to kill each other for own reasons... What is the reason for that? I think that most of the reasons are irrational... US and Europe cannot solve the problem which their participants do not want to solve. At this moment they want to continue the war." ("MacNeil/Lehrer News-hour" at NET, as quoted in the journal *Vesnik* of November 10.))

If these are the views present at the State Department, I feel that it would be helpful for the US government to consult the views of those distinguished persons who are pointing out to the rational political and economic reasons of the Croatian tragedy. In particular, such persons are:

Senator Robert Dole

Congressman Dana Rohrabacher

Congressman Christopher Smith

Margaret Thatcher, former P.M. of U.K.

Otto von Habsburg, member of the European parliament in Strasbourg

Mrs. Thatcher is pointing out that this is not an ethnic conflict, but the aggression of Serbian communism against democracy in Croatia.

Mr Habsburg concludes: "It seems that West does not understand that all generals of Yugoslav army are sworn marxists. In the case of Yugoslav army, similar as formerly with Pol Pot's communists in Cambodia, the matter is only of pragmatic concrete realization of marxist ideology."

I think that it would be of extreme impact if the President and the Congress would send fact-finding missions to Croatia, to gain an independent assessment of the situation, including inspection of documents, on the spot surveys and contacts with independent intellectuals.

Thank you very much for your consideration.

Sincerely yours,
Vladimir Poar

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9125152
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: WEIDENFELD, Werner

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/02/91

SUBJECT: RE: THE FUTURE OF GERMAN-AMERICAN RELATIONS.

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: 12/17/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:

51521

Prof. Dr. Werner Weidenfeld

Koordinator für die deutsch-amerikanische Zusammenarbeit
Coordinator for German-American Cooperation

5300 Bonn 1, December 2, 1991
Auswärtiges Amt
Postfach (P.O.Box) 1148
Telefon (02 28) 17-26 61
17-28 70

RECEIVED

91 DEC 17 A 9: 49

OSTP
MAIL ROOM

Dr. Allan Bromley
Assistant to the President
for Science and Technology
The White House

Washington, D.C.

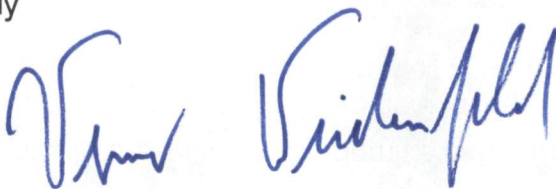
Dear Dr. Bromley:

A year is about to end which in many ways will prove to be a decisive one for the future shape of German-American relations. In the first year after German unification the reality of a larger and more complex Germany had to be incorporated into the trans- atlantic partnership. In the wake of the demise of the East-West conflict the political architecture of Europe had to be recast, defining new tasks for the partnership linking America and Europe. These developments required renewed efforts to safeguard and expand the basis on which that partnership rests. To that end, much was achieved this year, more remains to be done.

I thank you for your cooperation and for all the efforts you have made on behalf of the German-American friendship. A more tangible sign of appreciation will reach you by separate mail in the next few days.

With Season's Greetings and best wishes for a happy and successful New Year,

sincerely



"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9125041
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: HOREN, Daniel J.

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/01/91

SUBJECT: RE: HIS VIEWS CONCERNING WASTE AND LACK OF COMMON
SENSE GOALS IN U.S. POLICY.

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
INDUSTRIAL

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

OSTP RECEIVED: DEPT RECEIVED:
FILE: P-INTERNATIONAL-POLICY
CENTRAL FILES:

5041
RECEIVED

91 DEC 6 12 20, 1991
16 Windhaven Lane
Oak Ridge, TN 37830

OSTP
MAIL ROOM

Dr. D. Allan Bromley
Executive Office of the President
Office of Science and Technology Policy
Old Executive Office Building
Room 360, 17th and Pennsylvania Ave.
Washington DC, 20506

Dear Dr. Bromley:

After many years of watching our country dissipating its resources and rushing to decay, I have finally realized that this insane behavior can be readily understood by examining our unofficial National Goal, i.e., "To Increase Entropy at the Fastest Possible Rate".

In my humble opinion, the greatest service that scientists and engineers can devote to our country is to initiate a campaign to make this the official goal, and to enlighten the public (and of course elected officials in as much as possible) as to its meaning. To this end, I have already requested one of my state's senators, the Honorable Albert Gore, Jr., to introduce a bill in the Senate declaring such a national goal.

I personally find that accepting this concept allows me to fully understand the myriad of events that have occurred over the years, as well as those presently in the making. A complete listing would occupy several pages, but I might mention just a few: The destruction of our basic industries, the Savings and Loan fiasco, the billions of dollars spent for intelligence gathering which has told us nothing, the absurd notion of SDI, the present craze that we need more scientists, etc.

Really what we NEED is more COMMON SENSE. The Japanese did NOT get to take over our automobile industries because we didn't have trained engineers and scientists! Likewise for our electronic industry! The real reason was that we were engrossed in our National Goal!

I find it rather depressing that I have to go all the way back to my childhood years of the great depression to find examples of times when our money was well spent! Even today, I can visit monuments and national parks, and even TVA dams which bear witness to the prudent utilization of our resources at that time.

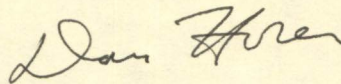
Finally, let me predict that one of our latest insanities, i.e., the presumption that a paper program of quality assurance will improve anything, will lead to one of the greatest increases of entropy that we have managed to date! At a well known laboratory at which I happen to work, the number of QA people is rising on an exponential, the number of researchers is on a declining exponential, and the amount of QA paper and meetings (which I am sure you know are one of the most efficient methods of increasing entropy) are rising on an exponential to the n th power!! Truly, this is a sign that we are on COURSE!

It seems to me that with the demise of the USSR, this affords an opportune time for us to regain our senses. I honestly feel that alerting those in power, as well as the public to the fact that we can not continue to waste our limited resources should have the highest priority. Perhaps the most expedient means is to declare our unofficial as the the official national goal and hope that there will be a period of understanding follwed by a backlash to slow the increase in entropy.

I thank you for taking the time to read the above, and if you are not in agreement with my concept, I at least hope that it will have given you some respite from your pressing duties.

I hope this finds you well and in good spirits.

With best regards,


D. J. Horen

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9125045
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: RIZKIN, Iosif

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/29/91

SUBJECT: HE IS SENDING DR. BROMLEY A COPY OF HIS ARTICLE
REGARDING THE DIFFICULTY IMMIGRANT SCIENTISTS AND
ENGINEERS ARE HAVING IN LOCATING SUITABLE
EMPLOYMENT.

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: 12/06/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:

PRESIDENT'S COLUMN

A look back at 1991

Eric E. Sumner

The end of the year is a good time to take inventory of the progress made at the IEEE during the past 12 months. As I see it, we have made progress on all major fronts. But I must also say that we have not yet achieved a rate of progress as high as we'll need for success in the next few years.

Here are some of the principal forward thrusts of 1991. Our publications and conferences—the major output of our Technical Societies—continue to lead the world in their breadth and depth of content. This is especially true of the communications and computers area, where we consistently provide members with solid information on the many rapidly evolving technological fronts. And we are starting to take steps to provide similar scope and dynamism in other areas that still have room for progress. For example, a new focus for intensive concentration in universities—and in the IEEE itself—is manufacturing. Our aim is nothing less than to cover all fields with excellence equal to the best.

The publications process itself is improving steadily. The push to increase the number of journal and transactions pages that are produced electronically continues; an estimated 10 000 pages will have been produced electronically this year and that figure will double in 1992. IEEE Standards also unveiled a long-term plan for automating standards production that takes full advantage of available electronics technologies. In addition, for the first time this year, IEEE standards were made available on compact-disc ROM (CD ROM).

Not only Society publications, but all aspects of Society operations also will benefit from the Technical Excellence and Leadership initiative that began this year. As I mentioned in earlier columns, this *ad hoc* committee of the IEEE Technical Activities Board will be examining existing Societies with an eye to improving their activities and operations.

Also, 1991 saw additional attention given to the Institute's Regional Activities. Enthusiasm for IEEE membership is growing all over the world, and we are seeking to work closely with national societies around the globe to have a level playing field in technology so that everyone can compete evenly and fairly. When I first took office, I indicated that expanding the role of the IEEE outside the United States was one of my most important tasks. I think progress is definitely being made.

As for Professional Activities within the United States, a strong consensus is developing to have government cooperate closely with industry—as governments do in Europe and Asia. Based on the fine work of our Pension Committee, pension improvement legislation—including provision for pension portability—has been introduced in the U.S. Congress to sharply improve what is nothing less than a deplorable situation for engineers who change jobs during their careers.

To increase staff responsiveness and the service rendered to members, a Quality Management Program was initiated this year that is based on the successful approaches used in such forward-thinking high-tech companies as AT&T Co., Motorola Inc., and IBM Corp.

The IEEE financial picture is also much brighter, as we have improved efficiencies on a broad scale, cut back on non-essential expenditures, and, regrettably, had to increase our dues a moderate amount. It's still a great bargain! In any case, year after year of deficits could not continue.

You and I both should expect substantial improvements in products and services from the IEEE in years to come, and that is as it should be.



above the average, are testimony to the first-rate electron devices program at the Bucharest Polytechnic Institute.

By sharing these facts, however sketchily, I wanted to make known to the IEEE community the great scientific potential that exists in Romania in electrical engineering, particularly in the field of electron devices.

Andrei P. Silard
Chairman
Romania Section
Polytechnic Institute
Bucharest, Romania

Emigrés face rough road

As a former Soviet scientist, author, and lecturer in computer science, computer-aided design, and telecommunications, who emigrated to the United States and without any discernible success applied for some 100 positions varying from visiting professor at a highly respected university to a bank messenger in New York City, as a man in his late fifties who was happy enough to find a programmer's position in another New York bank, as an admirer of this country and its constitutional system, and as a man who is happy here, I would like to make some comment in connection with the article "Soviet émigrés search for jobs in U.S." [February, p. 4].

This article concerned itself with the search for jobs by immigrant scientists and engineers who are talented, well-educated, productive, and highly qualified professionals. Their inability to find jobs in the United States that at least roughly correspond to their qualifications is almost absolute and, in a sense, unique.

No doubt incorrect grammar and a heavy accent, the lack of American experience, unfamiliarity with new experimental, technological, and software tools, and absolute innocence in the job-hunting field must aggravate the situation. But I must point out that good English, working experience with desirable technologies, and the ability to work as a theoretician when a theoretician is needed would not, as a general rule, improve our chances.

This situation has nothing to do with the U.S. government; its help has been important and its attitude always friendly. The lives of many immigrant Ph.D.s have been saved thanks to welfare and help and support from the American Jewish Community and individual U.S. scientists.

What is really astonishing, however, is the behavior of the American scientific community. As far as I know, no attempt has been made to organize any form of support for us. No American engineering or scientific society, even as powerful and respected as the IEEE, has tried to help. Neither has any group of native (nonimmigrant) engineers or scientists been formed for such a purpose. In this, and only in this respect, we are witnessing a repetition of the '30s.

The scientists in their late forties and fifties coming to the United States from totalitarian countries will die out relatively soon. Most of them will not be able to work as researchers and professionals. For many of them, that represents a personal tragedy. They have to pay, and they are paying, a price for the mere fact that they were born within the borders of a nondemocratic country. They are paying also for their inability to leave that country much earlier.

But they are not the losers: the freedom that they and their children enjoy is more than adequate compensation—if there is ever adequate compensation for a nonsignificant tragedy. The real losers are the science and prosperity of this country. The United States must really be wealthy to allow—in the

1990s—some hundreds of qualified scientists and some thousands of engineers to become successful messengers, doormen, and not-so-successful recipients of welfare.

The scientific, engineering, and educational system of such dimensions, power, and stability as the American can easily cope with the loss. The question is whether the ignorance and shortsightedness of some members of some communities are the justifiable reasons.

Within the framework of a free economic system, no one can be forced to hire people who are not the best candidates from a potential employer's point of view. But those views could be influenced at least in some cases if an authoritative scientific and engineering body investigated the qualifications of immigrant scientists and made them known to prospective employers. Some informal channels could have been opened.

The American scientific community, both business and academic, cannot see any loss right now. But in 10 years, the loss to the nation's economy will be calculable and significant. No more Ph.D.s are likely to apply at that time for U.S. visas. Newly installed totalitarian governments will decide that they need too many doormen and messengers to allow good scientists to leave the country.

Dr. Isosif Rizkin
New York City

Don't rely on government

I take strong exception to IEEE President Sumner's suggestion [President's Column, May/June, p.6] that because technologies and markets have become so complex, the Government must intervene and "pick winners" by subsidizing certain industries, companies, and research organizations. Conspicuously absent from his editorial are any objective standards for making this selection. Presumably it would be through the same process that has abetted the savings and loan fiasco—a process generously referred to as "constituent service." Those with access to the appropriate legislators would be most fa-

vored to win this kind of "technological" race, and we all know how such access is granted.

Sumner's contention that complexity demands centralized control and decision-making is absurd on its face. Any engineer who has designed a complex system understands that the hallmark of a robust design is distributed control. The reason that statist economies fail is that centralized decision-making is especially incapable of integrating complex information. A brilliant presentation of this idea in the realm of economics is contained in Thomas Sowell's *Knowledge and Decisions*.

However, this is not the primary reason for rejecting Sumner's position. The essence of Government power is force. The root of technological advancement is reason. Force and reason are opposites. Government coercion stifles innovation and entrenches bureaucracy. Producers cannot be spurred to create by the muzzle of a revolver. To integrate these abstractions is to see why Government intervention in all aspects of the economy is not just impractical—it is immoral.

Roger S. Zimmerman
Cambridge, Mass.

The Government will never "pick winners" as effectively as the market can, because the Government is controlled by politicians whose definition of winner includes such factors as the congressional district where a company resides and the amount of its campaign contributions.

Instead of trying to take the IEEE into the arms of the politicians, Sumner should challenge Government actions that hurt our industry, such as high taxes on savings and investments, vague antitrust laws that discourage cooperation, and ever-changing tax and monetary policies that make long-range planning impossible. The success the Japanese have experienced is mainly due to the absence of such impediments in their country.

Kevin Theobald
Cambridge, Mass.

I, like our President, Eric Sumner,

LETTERS

Letter from Romania

At the end of 1990 I had the privilege of being among the nine Electron Devices Society (EDS) members elected to the grade of IEEE Fellow. Being the first Fellow in Romania and among the very few Region 8 members of EDS to reach such recognition in the recent past, I could not help thinking that my personal good fortune reflects the preeminence of electron device activities in my country.

This fact is mirrored by the weight of Romania's contributions to electron devices. Considering the number of inhabitants in my country, during the past decade or so we had one of the highest per capita scientific contributions in the world, as measured by articles carried in IEEE publications.

The study of electron device technology at our school goes back to the late '50s and began with Mihai Draganescu's efforts to raise generations of specialists and to create a research/industrial infrastructure in the country.

Professor Draganescu's basic book on electron device technology, published in Romanian in 1962 (or two years before the much celebrated book by John Moll), as well as his book *Solid-State Electronics* published 10 years later, were milestones in creating a first-rate electrical engineering school at the Bucharest Polytechnic Institute. And it is probably no coincidence that he became president of the Romanian Academy of Sciences after the overthrow of the dictatorship in December 1989, and that electron devices specialists steadfastly promoted the formation of a Romania Section of the IEEE in the past decade.

Overcoming the terrible odds directed against us, we succeeded in spite of, and not because of, our environment. Many of those who contributed to the advancement of electron device technology were forced by the political landscape to survive only through their work. Many gave up in the process, being either derailed from their professional track or forced to leave their native country forever. Those scattered by fate around the world, and who achieved professional and social status well

THE INSTITUTE

Executive Editor: Edward A. Torrero
Managing Editor: Alfred Rosenblatt
Senior Technical Editor: Gadi Kaplan
Administrative Editor: Ronald K. Jurgen
Board of Editors: John A. Adam, Trudy E. Bell, Ronald K. Jurgen, Gadi Kaplan, Tekla Perry, Alfred Rosenblatt, Edward A. Torrero, George Watson, Glenn Zorpette
Washington, D.C., Editor: John A. Adam
West Coast Editor: Tekla Perry
Correspondents: Fred Guiter, Roger Milne (London); Bradford Smith (Paris); John Blau (Düsseldorf); Robert Ingersoll (Bonn); John Mason (Barcelona); Stuart M. Dambrot, Roger Schreffler (Tokyo); Kim Nak-Hoon (Seoul); Chris Brown (Taipei); Peter Gwynne (Hong Kong); Tony Healy (Sydney, Australia); Christopher Trump (Toronto); Axel de Tristan (Rio de Janeiro); Kevin L. Self (Houston)
Contributing Editor: Karl Esch
Chief Copy Editor: Margaret E. Eastman
Copy Editor: Sally Cahur
Editorial Researcher: Alan Gardner
Editorial Intern: Dana Norvill
Editorial Support Services Manager: Rita Holland
Editorial Assistant: Ramona Foster
Editorial Production Director: Carol L. White
Technical Graphic Artist: Morris Khan
Editorial Production Manager: Marcia Meyers
Typographer: Peter Ruffett
Advertising Production Manager: Wendy I. Goldstein
Advertising Production Assistant: Theresa Fitzpatrick
Advisory Board: Jerome J. Suran, Chairman; George P. Rodrigue, Vice Chairman; Robert T.H. Alden, Frederick Dill, Donald Fleckenstein, Robert W. Lucky, Irene C. Peden, Cary Spitzer, William Tackaberry
Editorial Board: Donald Christiansen, Chairman; Henry L. Bachman, Sajjad H. Durrani, Anthony B. Giordano, Stephen Kahne, James D. Meindl, M. Granger Morgan, William Spencer
Vice President-Publications Activities: J. Thomas Cain
Editor-in-Chief: Donald Christiansen

THE INSTITUTE (USPS 382-990), a news supplement to IEEE Spectrum, is published monthly except bimonthly in May/June, July/August, and November/December by The Institute of Electrical and Electronics Engineers, Inc., 345 E. 47th St., New York, N.Y. 10017; 212-705-7555.

Second-class postage paid at New York, N.Y., and at additional mailing offices. The editorial policies for IEEE's major publications are determined by the IEEE Board of Directors. Unless otherwise specified, the IEEE neither endorses nor sanctions any positions or actions espoused in the INSTITUTE. Major IEEE Board review items within their purview prior to publication. When published in the INSTITUTE, individual viewpoints of elected IEEE officers are labeled as such. They are reviewed by the individuals to whom they are attributed, unless they are a matter of record. The editorial staff is responsible for selection of subject matter and its placement within the issue.

Copyright © 1991 by The Institute of Electrical and Electronics Engineers, Inc. THE INSTITUTE is a registered trademark owned by The Institute of Electrical and Electronics Engineers, Inc.

Advertising is accepted at the discretion of the publisher. Advertising inquiries may be made by calling 212-705-7579.

Postmaster: Send address changes to THE INSTITUTE, IEEE Service Center, Coding Department, Box 1331, Piscataway, N.J. 08855.

Buckley looks ahead (p. 8); Science teacher wins award (p. 2)

IEEE Awards
Nominations
sought for
1993 (p. 7)

THE INSTITUTE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

A news supplement to IEEE Spectrum

INSIDE IEEE
(p. 8)

NOVEMBER/DECEMBER 1991

Volume 15, Number 8

BRIEFLY

Robert Lucky tells IEEE media briefing attendees of two important new inventions in communications technology [p. 1]

Leningrad engineers continue "business as usual" during Soviet coup [p. 3]

AT&T Co. is checking all alarms, retraining employees, and working with the FAA on critical traffic control links after September telephone outage [p. 1]

President-Elect Merrill W. Buckley Jr. discusses his plans and priorities for 1992 [p. 8]

Nominations invited for IEEE's 1993 awards [p. 7]

New Mexico Senator urges industry to push the Administration for a stronger technology policy [p. 2]

IEEE-USA seeks cabinet-level position for engineering and technology [p. 2]

Competing successfully rarely depends solely on technical ac-

At IEEE's briefing for the media A new American folksong, fuzzy logic, multimedia

A novel composer—a neural network—made its public debut in October at the IEEE's briefing for the news media on emerging technologies. Its music, an American folksong, was performed at a session on artificial intelligence, which also surveyed the future for fuzzy logic and the oxymoronic technology of virtual reality. Other sessions at the New York City gathering caught up with such subjects as multimedia and communications.

During the artificial intelligence session, the neural network's tutor, Russell C. Eberhart, program manager for biomedical programs at the Johns Hopkins University Applied Physics Laboratory, Laurel, Md., explained what he did. He taught the system such songs as "O, Susanna!" and "She'll be Comin' Round the Mountain" from which it then was able to generalize the rules of composition and rhythm to create the new song. With a bridge and chords added by a human musician.

from a golf club selector to a steel-mill temperature controller], but almost all are Japanese."

A session on virtual reality began with an intriguing suggestion by speaker Thomas P. Caudell, a neural networks specialist with Boeing Computer Services, Seattle, Wash. "We could, in the future, in principle, hold this news conference in a virtual world," he said. Attendees making presentations would each wear masks with miniature tele-

(Continued on p. 6, col. 4)

Hits and misses of industry history

A panel of four dozen distinguished international historians and engineering executives explored "Technological Competitiveness in the Electrical and Electronics Industries" at a four-day conference in

Sloan is 1992 President-Elect

1991 general election tally

President-Elect	
Martha Sloan	25 024
H. Troy Nagle	17 761
Robert T.H. Alden	15 674
Wallace S. Read	11 587
Region 1 Director	
Joel B. Snyder	5592
Philip M. Paterno	3816
Region 3 Director	
David A. Conner	3364
James H. Beall	2980
Division I Director	
Kenneth R. Laker	2137
Ronald W. Gedney	1921
Division III Director	
Frederick T. Andrews	3292
John S. Ryan	2476
Division V Director	
Bill D. Carroll	6611
Gerald L. Engel	2854
Division VII Director	
Robert A. Dent	5342
Division IX Director	
Jan Brown	2069
Arthur Goldsmith	1227
Daniel L. Alsopach	963
Region 2 Director-Elect	

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9125070
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: KERWIN, Larkin: IUPAP

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/25/91

SUBJECT: HE REQUESTS A RECENT PHOTOGRAPH OF DR. BROMLEY TO BE
PRINTED IN THE IUPAP BROCHURE FOR THE 1993 MEETING.

DIRECTORATE STAFF
ASSIGNED: DIRECTOR'S OFFICE ASSIGNED:

ACTION STAFF
REQUIRED: DIRECT REPLY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 12/23/91 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

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

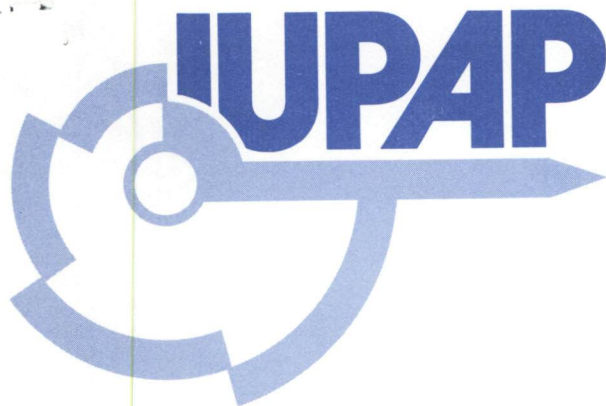
OSTP RECEIVED: 12/10/91
FILE: P-INTERNATIONAL

DEPT RECEIVED:

CENTRAL FILES:

CLOSED

I have marked
the photo
OK
I will add a note.
OK



5070

RECEIVED

91 DEC 10 AM : 38

OSTP
MAIL ROOM

Professor D.Allan Bromley
OEOB - Room 360
78, Pennsylvania Avenue N.W.
Washington, D.C. 20506, USA

Dear Allan:

There is some question of re-issuing, after updating, the 50th anniversary summary of IUPAP history which was published in 1972 for the Washington meeting. The Japan meeting in 1993 will thus take note of the 1992 70th anniversary, and the Executive wishes to have a small brochure for the occasion.

For this purpose, I would be grateful to receive from you a glossy print of a recent photograph.

The Union continues to flourish and to extend its activities in disciplinary fashion as well as geographical.

My most cordial personal regards.

Larkin Kerwin
Past-President of IUPAP
Department of Physics
Pavillon Vachon
Université Laval
Québec, P.Q.
CANADA G1K 7P4

Québec, November 25, 1991.

lk:cgb

THE WHITE HOUSE

Dec 17. 91

Dear Hankins:

Here with the requested photo.

May you and Kapeta have a
wonderful Christmas and a happy
healthy and prosperous new year

Sincerely Allan

11/20/91 19:33

33 1 42601691

LIBERATION DEUX

P.01

11-19-91 14:38 NEZAVISIMAYA GAZETA

9752346

041 P03

НЕЗАВИСИМАЯ ГАЗЕТА

Учреждена Московским городским Советом народных депутатов

Le «19» novembre 1991.

N° _____

To: A l'attention de M. Bertrand PEQUERIE
M. Laurent MUNNICH

WORLD MEDIA LIBERATION
PARIS FRANCE

FAX NUMBER: 42 72 95 01

From: NEZAVISIMAYA GAZETA
MOSCOU U.R.S.S.

FAX NUMBER: (7095) 975 23 46

Nombre de pages: 1

Monsieur,

Nous confirmons l'accord de M. Gorbatchev de répondre aux questions de "World Media" obtenu par l'intermédiaire de M. Gratchev, chef du service de presse du Président. Selon M. Gratchev, les réponses peuvent être reçues entre le 22 et le 25 novembre.

Pour le Directeur de "Nezavisimaya gazeta"
Signé A. Bangersky



Transmission by fax

To: Dr Bromley, The White House, Executive Office of the President

From: Laurent Munnich, deputy director

Date: Mer 20 Nov 1991

Time: 18:59, (Paris time)

About: Number of pages including this one:2

Mailing address 11 rue Béranger, 75154 Paris CEDEX 03

Tel Number: 33-1-42 76 16 50 Fax Number: 33-1-42 72 95 01

Dear Dr. Bromley,

I have not heard from you since we met last in Paris, but as you probably know I have been in touch with people of your staff since then.

I take the liberty to get back to you today with the following pieces of information which might be of interest for you:

A)-As scheduled our World Media special issue on science is coming out in December/January in 27 publications (i.e. 20 millions readers)

B)-All the scientists asked to participate have agreed and already sent their contributions.

C)-More unexpected, for obvious reasons, we have received confirmation of President Gorbachev's participation. His spokesman, Andrei Gratchev, has been very helpful for us in the past, and helped us again this time.

D)-At the last minute we found ourselves confronted to the renewal of Prime Minister in Japan but finally secured the participation of M. Miyazawa.

I thought that all those information could be of interest for you. As you will certainly agree, it would be a real pity not to have any American contribution in such an issue.

As you can imagine, we are now running very short of time since partners are in the process of closing their issue.

I am looking forward to hearing from you.

Yours sincerely,

Laurent Munnich

Quinn

THE WHITE HOUSE
WASHINGTON

December 19, 1991

MEMORANDUM TO DORRANCE J. SMITH

FROM: D. ALLAN BROMLEY *Alan*
SUBJECT: A WORLD MEDIA PROPOSAL

Early this year I was approached by a Laurent Munnich who is Deputy Director of something called World Media Liberation. What he had in mind was a rather global project in which he proposed to select some half-dozen of the world's leading scientists who would pose questions which would then be addressed to the half-dozen or so of the most senior world leaders with the results and response to then be published in a special issue that World Media would issue on science in some 27 of its member publications around the world. They claim that the **Christian Science Monitor** is their American outlet and that all together their various publications reach some 20 million readers.

I was less than enthusiastic about this whole activity because I had the distinct feeling that it very well might represent a setup, as far as President Bush was concerned, and so in consequence I was not at all encouraging.

When I was in Paris in early August Mr. Munnich some how managed to get himself inserted into the schedule that had been arranged for me by our Embassy. I believe he acted through a personal friend on the Embassy staff. In any event, he again made his pitch and at that time was overjoyed that he had been able to obtain agreement for the participation of President Gorbachev as well as the President of some tiny African Republic of which I had never heard previously. I again told him that I did not believe that the project was one that I could recommend to President Bush particularly after learning that the scientific panel, in my view, was definitely tilted toward the left of the political spectrum and with a very heavy environmental overlay.

I have recently heard from Munnich again, confirming that President Gorbachev is to participate, presumably before December 31, and he also tells me that he has been able to secure the participation of Prime Minister Miyazawa of Japan.

I am providing you with this information so that when Munnich tries again, as I suspect he will, to get President Bush involved you will have some of the background. My own conclusion is that there is very little upside to this operation for the President and a rather large downside.

Should you decide otherwise, Mr. Munnich can be reached at 11 rue Beranger, 75154 Paris CEDEX 03, France

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124789
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: SOBERON, Guillermo: SCIENCE ADVISOR TO THE PRESIDENT OF MEXICO

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/15/91

SUBJECT: A LETTER EXPRESSING HIS REGRET THAT DR. BROMLEY WILL
NOT BE ABLE TO ATTEND THE IXTAPA MEETING OF THE
SCIENCE ADVISORS TO HEADS OF GOVERNMENT, AND THAT
DR. BERNTHAL'S PARTICIPATION WILL BE VERY CONDUCTIVE.

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: 11/15/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:



PRESIDENCIA DE LA REPUBLICA
CONSEJO CONSULTIVO
DE CIENCIAS

4789
RECEIVED

COORDINACION GENERAL

Oficio CCC/CG/080/91

91 NOV 15 A10:40

OSTP
MAIL ROOM
Mexico, D.F., a 12 de noviembre de 1991.

DR. ALLAN BROMLEY
The Assistant to The President
for Science and Technology

Dear Dr. Allan:

I am very sorry to know you will be unable to attend the meeting of "Science Advisers to Heads of Government" in Ixtapa. Your presence and participation will be missed.

I am positive, however, that Dr. Fred Bernthal's participation will be very conducive for the meeting.

I hope that we continue to have a fruitful relationship with the Science Advisory bodies in our hemisphere.

Sincerely,

DR. GUILLERMO SOBERON

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124844
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: TRULY, Richard H.: NASA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/14/91

SUBJECT: RE: HIS INABILITY TO JOIN THE U.S. DELEGATION TO THE
SECOND MEETING OF THE U.S.-EC JOINT CONSULTATIVE
GROUP ON SCIENCE AND TECHNOLOGY. HE SUGGESTS AS HIS
REPRESENTATIVE MRS. MARGARET G. FINARELLI.

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: 11/19/91 DEPT RECEIVED:
FILE: B-INTERNATIONAL
CENTRAL FILES:



National Aeronautics and
Space Administration

Washington, D.C.
20546

Office of the Administrator

4844
RECEIVED

91 NOV 19 A 9:13 NOV 14 1991

OSTP
MAIL ROOM

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

Dear Dr. Bromley: *Allan*

Thank you for your invitation to join the U.S. Delegation to the second meeting of the United States-European Community (U.S.-E.C.) Joint Consultative Group on Science and Technology in Brussels. Unfortunately, I will be unable to travel to Brussels due to schedule constraints. However, with your concurrence, I suggest that Mrs. Margaret G. Finarelli, NASA's Associate Administrator for Policy Coordination and International Relations, represent me at the meeting. Mrs. Finarelli, who participated in the recent discussions on megaprojects with the E.C., has an excellent background for this activity.

This meeting will be an important one as the E.C. continues to define its role as a focal point in Europe for science and technology activities. NASA looks forward to working with you and your office as this relationship is pursued. Mrs. Finarelli is prepared to attend the delegation meeting on November 20.

Sincerely,

Richard H. Truly
Richard H. Truly
Administrator

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124859
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: HEALY, Bernadine: DEPTARTMENT OF HEALTH AND HUMAN SERVICES

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/13/91

SUBJECT: A LETTER SENDING HER REGRETS THAT SHE IS UNABLE TO
BE A MEMBER OF THE DELEGATION TO THE U.S.-E.C. JOINT
CONSULTATIVE GROUP MEETING.

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 FCCSET
INTERNATIONAL/POLICY
LIFE SCIENCES

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

OSTP RECEIVED: 11/20/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL

CENTRAL FILES:



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

RECEIVED

National Institutes of Health
Bethesda, Maryland 20892

NOV 13 1991

91 NOV 20 A10:19

OSTP
MAIL ROOM

Dr. D. Allan Bromley
The Assistant to the President
for Science and Technology
The White House
1600 Pennsylvania Avenue
Washington, D.C. 20500

Dear Dr. Bromley:

Thank you for your invitation to be a member of the U.S. delegation to the next meeting of the U.S.-E.C. Joint Consultative Group (JCG) on Science and Technology. The JCG is an important forum for the discussion of scientific issues of mutual interest to the United States and the Commission of the European Communities. I am pleased that the National Institutes of Health continues to participate in the activities of the JCG through involvement in related workshops and the efforts of the FCCSET Committee on International Science, Engineering and Technology.

In view of the pressing responsibilities of my new position, however, I must respectfully decline your invitation to attend this JCG meeting.

I wish you a safe journey and a successful meeting. I look forward to learning about the results of the JCG meeting and future meetings in which NIH might participate.

Sincerely yours,

Bernadine Healy, M.D.
Director

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124792
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: BARTHOLOMEW, Reginald: UNDER SECRETARY OF STATE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/12/91

SUBJECT: A LETTER SENDING HIS REGRETS FOR NOT BEING ABLE TO
ATTEND THE U.S.-EC JOINT MEETING ON 11/25/91. HE IS
APPOINTING JOHN BORIGHT TO REPRESENT THE STATE
DEPARTMENT.

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: 11/15/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL
CENTRAL FILES:



United States Department of State

Under Secretary for International Security Affairs

Washington, D.C. 20520

91 NOV 15 A10:40

November 12, 1991

MAIL ROOM

Dear Dr. Bromley:

Thank you for your letter dated October 23, inviting me to join you in Brussels on November 25-26 for the second meeting of the US-EC Joint Consultative Group on Science and Technology.

Unfortunately, I will not be able to attend due to previous commitments. *I have asked John Boright to represent the State Department in your talks with the Europeans. John will also attend your delegation meeting on November 20.

I want to add that I appreciate your efforts to enlarge transatlantic cooperation through initiatives such as the Joint Consultative Group with the EC. These kinds of structures for non-military cooperation with Europe have become increasingly important to U.S. foreign policy, and I believe will continue to grow in significance throughout the decade.

Yours truly,

Reginald Bartholomew

*I've a major Smet
delegation in town*

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

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124750
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: THE AMBASSADOR OF CANADA

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/12/91

SUBJECT: A REMINDER FOR THE LUNCHEON HONORING WILLIAM
WINEGARD TO BE HELD 11/14/91.

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:

*11/14/91 DAB attended.
mn*

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

In honour of the visit of The Honourable William
Winegard, Minister of State (Science and Technology)



*The Ambassador of Canada
to the United States of America
requests the pleasure of the company of*

Dr. Bromley

*at a lunch
on Thursday, November 14
at twelve-fifteen o'clock*

*To Remind
R. L. V. P.
(202) 682-7756*

*The Embassy of Canada
501 Pennsylvania Ave. N.W.*

"Document Control for Division of Life Sciences"

TYPE: Legislative Referral DOCUMENT NUMBER: 9124702
ORIGINATOR: 04 STATUS DIRECTORATE STATUS C

FROM: Ronald K. Peterson AS for Legislative Reference

TO: Life Sciences

DATE OF
CORRESPONDENCE: 11/07/91

SUBJECT: HHS PROPOSED REPORT/RE: HR 2840, LEAD CONTAMINATION
CONTROL ACT AMENDMENTS OF 1991; #I-2132

DIRECTORATE STAFF
ASSIGNED: ASSIGNED: D.A. Henderson

ACTION
REQUIRED: STAFF
ACTION: NO COMMENT

SENDER'S DUE DATE: 11/14/91
OSTP DUE DATE: STAFF DUE DATE 11/13/91
DATE COMPLETED: DATE COMPLETED/DEPT: 11/12/91

COPIES TO: Rachel E. Levinson

WHITE HOUSE TRACKING #: CONTACT PERSON: H. Fitter/C. Wong
PHONE: X6194/X6827 EXT:
REMARKS:

OSTP RECEIVED: DEPT RECEIVED: 11/08/91
FILE: LEGISLATIVE REFERRALS ✓

CENTRAL FILES:

"Document Control for Division of Life Sciences"

TYPE: Legislative Referral DOCUMENT NUMBER: 9124702
ORIGINATOR: 04 STATUS DIRECTORATE STATUS I

FROM: Ronald K. Peterson AS for Legislative Reference

TO: Life Sciences

DATE OF
CORRESPONDENCE: 11/07/91

SUBJECT: HHS PROPOSED REPORT/RE: HR 2840, LEAD CONTAMINATION
CONTROL ACT AMENDMENTS OF 1991

DIRECTORATE STAFF
ASSIGNED: ASSIGNED: D.A. Henderson

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE: 11/14/91
OSTP DUE DATE: STAFF DUE DATE 11/13/91
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: Rachel E. Levinson

WHITE HOUSE TF

REMARKS:

Reply

C. Wong
EXT:

No comment

OSTP RECEIVED
FILE: LEGISLA

CENTRAL FILES:

FAX 4pgs
SPECIAL**EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET**

NOV 07 1991

LEGISLATIVE REFERRAL MEMORANDUM

LRM #I-2132

TO: Legislative Liaison Officer -

COMMERCE - Michael A. Levitt - 377-3151 - 324
DEFENSE - Samuel T. Brick, Jr. - 697-1305 - 325
HUD - Edward Murphy - 708-1793 - 215
JUSTICE - Paul McNulty - 514-2061 - 217
TRANSPORTATION - Tom Herlihy - 366-4687 - 226
VA - Robert Coy - 535-8113 - 229
CEA - Francine Obermiller - 395-5036 - 242
CEQ - Larry Flick - 395-5750 - 256
EPA - Thomas C. Roberts - 382-5414 - 326
EDUCATION - John Kristy - 401-2670 - 207
LABOR - Robert A. Shapiro - 523-8201 - 330
GSA - Lonnie P. Taylor - 501-0563 - 237
OSTP - Carl Bretscher - 456-2735 - 288

FROM: RONALD K. PETERSON (for) *Ronald K. Peterson*
Assistant Director for Legislative Reference

OMB CONTACT: Holly FITTER (395-6194)
Chantale WONG (395-6827)

SUBJECT: HHS Proposed Report RE: HR 2840, Lead
Contamination Control Act Amendments of 1991

DEADLINE: 10:00 AM NOV 14 1991

The Office of Management and Budget requests the views of your agency on the above subject before advising on its relationship to the program of the President, in accordance with OMB Circular A-19.

Please advise us if this item will affect direct spending or receipts for purposes of the "Pay-As-You-Go" provisions of Title XIII of the Omnibus Budget Reconciliation Act of 1990.

CC:

A. Fraas
T. Gorman
E. Luttig
B. Pellicci
B. Clendenin
A. Antonelli

9124702

LRM #I-2132

RESPONSE TO LEGISLATIVE REFERRAL MEMORANDUM

You may respond to this request for views by: (1) faxing us this response sheet; (2) if the response is simple (e.g., concur/no comment), leaving a message with the secretary of the foregoing analyst/attorney; (3) calling the analyst/attorney; or (4) sending us a memo or letter.

TO: Holly FITTER
Office of Management and Budget
Fax Number: 395-5691
Phone Number: 395-6194

November 12, 1991 (Date)

FROM: D.A. Henderson (Name)
Associate Director for Life Sciences
Office of Science and Technology Policy (Agency)
(202) 456-2892 (Telephone)

SUBJECT: HHS Proposed Report RE: HR 2840, Lead
Contamination Control Act Amendments of 1991

The following is the response of our agency to your request for views on the above-captioned subject:

_____ Concur

_____ No objection

 X No comment

_____ See proposed edits on pages _____

_____ Other: _____

DRAFT

The Honorable John D. Dingell
Chairman, Committee on Energy and Commerce
House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

We wish to take this opportunity to offer our views on a bill which is before the Committee, H.R. 2840, the "Lead Contamination Control Act Amendments of 1991."

We strongly endorse the goal of reducing lead exposures. However, we cannot endorse H.R. 2840 as written as the bill would require Federal intervention in areas that should remain a state and local responsibility. We do urge a simple reauthorization of the Centers for Disease Control (CDC) grant program in childhood lead poisoning prevention.

On February 21, 1991, we released a Strategic Plan for the Elimination of Childhood Lead Poisoning, outlining the first 5 years of a 20-year effort to eliminate this disease as a public health problem. The Strategic Plan includes both a program and a research agenda. It envisions implementation as a shared commitment of the public and private sectors. The elements of this strategic plan, which fall under our purview, can be accomplished with a simple reauthorization of the current provisions.

Lead-based paint is the most concentrated source of lead for children and, historically, is the source most closely linked to overt lead poisoning in children. Effective and safe lead-based paint abatement is essential for the elimination of childhood lead poisoning. H.R. 2840 addresses effective and safe lead-based paint abatement by calling for Federal training and licensing of lead inspectors and lead abatement workers and certification of laboratories measuring the lead content of environmental samples. These kinds of activities are essential to ensure the safe, appropriate, and effective abatement of lead-based paint in housing.

It is not apparent, however, that Federal Government licensing and certification are necessary. We believe that matters such as the certification of testing laboratories may be best handled at the State or local level or by the private sector. At the

Paul Sprengel 245-7773

Page 2 - The Honorable John D. Dingell

Federal level, the Environmental Protection Agency (EPA) is already actively pursuing the development and dissemination of training materials for lead inspection and control personnel and is stimulating efforts to assure that lead-based paint professionals are certified.

We wish to point out that the definition of a "lead hazard" in H.R. 2840 does not include intact paint that children can mouth, such as that on door and window casing sills. Such paint can also be responsible for high-dose lead poisoning and should be included in the definition of a "lead hazard."

Other provisions of H.R. 2840 include responsibilities within the purview of EPA and the Department of Housing and Urban Development (HUD). We defer to EPA on the provisions of H.R. 2840 concerning the removal of lead from the environment and to HUD on the provisions concerning lead abatement in housing.

For the above reasons we recommend that the bill not be favorably considered.

We are advised by the Office of Management and Budget that there is no objection to the presentation of this report, *from the standpoint of the President's program.*

~~and that the President's program is not affected by the bill.~~

Sincerely,

Louis W. Sullivan, M.D.

TRANSMIT CONFIRMATION REPORT

NO.	:	001	
RECEIVER	:	5691	
TRANSMITTER	:	PIA&DLS/OSTP	
DATE	:	NOV 12'91	10:39
DURATION	:	01'23	
MODE	:	FINE	
PAGES	:	02	
RESULT	:	OK	

"Document Control"

TYPE: INFORMATION

ORIGINATOR: 02

STATUS C

DOCUMENT NUMBER: 9124706

DIRECTORATE STATUS

FROM: FOWLER, T. Kenneth: UNIVERSITY OF CALIFORNIA, BERKLEY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 10/12/91

SUBJECT: PROVIDING DR. BROMLEY WITH A COPY OF THEIR BOOK
"CONVERSATIONS ABOUT ELECTRICITY AND THE FUTURE",
BASED ON THE SEMINAR HELD LAST YEAR.

DIRECTORATE

STAFF

ASSIGNED:

ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

PHONE:

EXT:

OSTP RECEIVED: 11/08/91
FILE: P-PHYSICAL SCIENCES

DEPT RECEIVED:

CENTRAL FILES:

4706
UNIVERSITY OF CALIFORNIA, BERKELEY

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

COLLEGE OF ENGINEERING
DEPARTMENT OF NUCLEAR ENGINEERING
TELEPHONE: (415) 642-5010
FAX: (415) 643-9685

BERKELEY, CALIFORNIA 94720

October 12, 1991

Dr. Alan Bromley
Science Advisor
Executive Offices of the President
Washington, DC 20506

Dear Dr. *Alan* Bromley:

The book based on the Seminar held last year has now been published, and a complementary copy is enclosed. You may have heard about our work at the time. Our Findings and Conclusions were submitted to the hearings in development of the U.S. National Energy Strategy.

Despite the many months, we believe that you and others who may read this book will find that our messages are timely today. We hope that with the many changes that have taken place since our Seminar, there may be more minds open to recognizing the importance of energy and electricity to our future, and to the environment that future generations will enjoy.

Sincerely,

T. Kenneth Fowler
T. Kenneth Fowler

A. David Rossin
A. David Rossin

Enc. (one book)

THE WHITE HOUSE

Dec 12, 91

Dear Ben & David

Many thanks for the copy of your
new book "Conversations about
Electricity and the Future". I shall
read it with great interest.

Sincerely Allan Bromley

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

Admin
4672

November 13, 1991

MEMORANDUM FOR ALLAN BROMLEY

FROM:


D.A. HENDERSON

SUBJECT:

POSSIBLE LANGUAGE FOR REPLY

We recognize the very major contributions made by biomedical research in improving human health and the ever expanding horizons of opportunity to further accelerate that effort. Investigator-initiated research continues to be the basic foundation of programs in the field and it is our hope that, within the constraints of a very stringent budget, additional resources will be found to permit appropriate expansion of that effort.

"Document Control for Division of Life Sciences"

TYPE: INFORMATION DOCUMENT NUMBER: 9124672
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS C

FROM: STANDAERT, Frank G.: AMERICAN SOCIETY FOR PHARMACOLOGY AND
EXPERIMENTAL THERAPUTICS

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/01/91

SUBJECT: A COPY OF A LETTER TO PRESIDENT BUSH URGING THE
PRESIDENT TO RECOMMEND TO CONGRESS A FISCAL BUDGET
FOR 1993 WHICH WILL RESTORE VIGOR TO AMERICA'S
BIOMEDICAL RESEARCH EFFORTS.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED: D.A. Henderson

ACTION STAFF
REQUIRED: ACTION: Comments to Bromley

SENDER'S DUE DATE:

OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT: 11/13/91

COPIES TO: D. Allan Bromley D.A. Henderson
LIFE SCIENCES Rachel E. Levinson

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Originally sent FYI to DLS on 11/08/91; on 11/12/91 Bromley
asked DAH to comment on the letter to President Bush.

OSTP RECEIVED: 11/06/91 DEPT RECEIVED: 11/12/91
FILE: P-LIFE SCIENCES

CENTRAL FILES:

"Document Control for Division of Life Sciences"

TYPE: INFORMATION DOCUMENT NUMBER: 9124672
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS I

FROM: STANDAERT, Frank G.: AMERICAN SOCIETY FOR PHARMACOLOGY AND
EXPERIMENTAL THERAPUTICS

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/01/91

SUBJECT: A COPY OF A LETTER TO PRESIDENT BUSH URGING THE
PRESIDENT TO RECOMMEND TO CONGRESS A FISCAL BUDGET
FOR 1993 WHICH WILL RESTORE VIGOR TO AMERICA'S
BIOMEDICAL RESEARCH EFFORTS.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED: D.A. Henderson

ACTION STAFF
REQUIRED: ACTION: Comments to Bromley

SENDER'S DUE DATE:

OSTP DUE DATE: STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley D.A. Henderson
LIFE SCIENCES Rachel E. Levinson

WHITE HOUSE TRACKING #: CONTACT PERSON:
PHONE: EXT:
REMARKS: Originally sent FYI to DLS on 11/08/91; on 11/12/91 Bromley
asked DAH to comment on the letter to President Bush.

OSTP RECEIVED: 11/06/91 DEPT RECEIVED: 11/12/91
FILE: P-LIFE SCIENCES

CENTRAL FILES:

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9124672

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: STANDAERT, Frank G.: AMERICAN SOCIETY FOR PHARMACOLOGY AND
EXPERIMENTAL THERAPUTICS

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/01/91

SUBJECT: A COPY OF A LETTER TO PRESIDENT BUSH URGING THE
PRESIDENT TO RECOMMEND TO CONGRESS A FISCAL BUDGET
FOR 1993 WHICH WILL RESTORE VIGOR TO AMERICA'S
BIOMEDICAL RESEARCH EFFORTS.

DIRECTORATE

STAFF

ASSIGNED:

ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:

ST

DATE COMPLETED:

DATE CO

11/12

COPIES TO: D. Allan Bromley
LIFE SCIENCES

DAI

WHITE HOUSE TRACKING #:

CONTACT

P

REMARKS:

Comments

DB

OSTP RECEIVED: 11/06/91

DEPT RECEIVED

FILE: P-LIFE SCIENCES

CENTRAL FILES:

AMERICAN SOCIETY FOR PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

9650 Rockville Pike

Bethesda, Maryland 20814-3995

301-530-7060

RECEIVED

4672

Kay A. Croker
Executive Officer

Frank G. Standaert, President
Akira E. Takemori, President-Elect
Thomas F. Burks, Past President
Charles O. Rutledge, Secretary-Treasurer
James W. Gibb, Secretary-Treasurer-Elect
Kenneth E. Moore, Past Secretary-Treasurer
Akira Horita, Councillor
Jerry R. Mitchell, Councillor
Peter P. Cervoni, Councillor
Joel G. Hardman, Board of Publications Trustees
Ronald G. Kuntzman, Long Range Planning Committee
Richard M. Weinshilboum, Program Committee

91 NOV 6 A 9:12

OFFICE OF THE
DIRECTOR

November 1, 1991

The President
The White House
Washington, DC 20500

Dear Mr. President:

We strongly urge you to recommend to Congress a fiscal 1993 budget for the National Institutes of Health and the Alcohol, Drug Abuse, and Mental Health Administration that provides sufficient funds to restore vigor to America's basic biomedical research efforts.

The past success of America's investment in biomedical research has resulted in increased demands for more research in order to deliver more benefits to more people. New research programs have been initiated on Acquired Immune Deficiency Syndrome, substance abuse, and women's health, as well as on behavioral and psycho-social problems. These are important programs and must be continued. However, part of the funding for these programs has come at the expense of investigator-initiated, fundamental research. Consequently, the funds available for such untargeted research have declined and the success rate for investigator-initiated research proposals has dropped so low that many outstanding scientific opportunities are going unexplored.

Fundamental, non-programmatic, small scale biomedical research is the genesis of all means for understanding diseases and their treatment and prevention. This research is carried out by individual investigators or small groups of researchers and helps to spread the knowledge of biomedical advances and spur economic activity in every state. Because of its unique character this research has yielded the innovative discoveries that have led to the advances that are now being expanded in larger scale targeted research, biotechnology development and clinical utility.

Biomedical research is at the threshold of major discoveries that will revolutionize clinical practice, affect the lives of millions of Americans through improved health and save billions of dollars through reduced medical care expenditures and increased productivity. However, these advances will occur only if we invest in the future by funding basic research. With all respect, we strongly urge that you support a fiscal 1993 appropriation for NIH and ADAMHA that will allow an increase in the success rate for investigator-initiated research project grant applications.

November 1, 1991
Page Two

Past performance indicates that funds appropriated to NIH and ADAMHA will more than pay for themselves by reducing health care expenditures and spurring ancillary economic activity. Your strong support for the critical research that should be funded by NIH and ADAMHA investigator-initiated research project grants will save thousands of lives and billions of dollars. This investment is essential, Mr. President.

Respectfully Yours,



Frank G. Standaert, MD
President,
American Society for Pharmacology and
Experimental Therapeutics



J. Minor Coon, PhD
President,
American Society for Biochemistry and
Molecular Biology



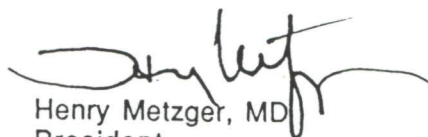
Marc W. Kirschner, PhD
President,
American Society for Cell Biology



Norman C. Staub, MD
President,
American Physiological Society



Donald B. McCormick, PhD
President,
American Institute of Nutrition



Henry Metzger, MD
President,
The American Association of
Immunologists



Donald L.D. Caspar, PhD
President,
Biophysical Society

"Document Control"

TYPE: INFORMATION

ORIGINATOR: 02

STATUS C

DOCUMENT NUMBER: 9124586

DIRECTORATE STATUS

FROM: GOLD, Thomas

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 10/22/91

SUBJECT: RE: HIS VIEWS ON THE SPACE STATION

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS:

Suggested repl -
"Thank you for your thoughtful letter on the Space Station. My position is that the Station is not primarily a science project, and should not be judged as one. For the record, however, I must take issue with your ~~statement~~ characterization of scientists' opposition to

OSTP RECEIVED: 10/29/91

DEPT RECEIVED:

FILE: PHYSICAL SCIENCES-SPACE

CENTRAL FILES:

Station as 'nearly universal' 'almost universal'. A number of life scientists, in particular, strongly support NASA's plans.

Sincerely

DA Bromley

11

4586

Thomas Gold
7 Pleasant Grove Lane
Ithaca N.Y. 14850
Tel: (US) 607-257 6696
Fax: (US) 607 257 7969

RECEIVED

91 OCT 29 AIO : 51
October 22, 1991

OFFICE OF THE
DIRECTOR

Dr. Allan Bromley
Science Advisor
The White House
Executive Office Building
1600 Pennsylvania Avenue
Washington DC 20500

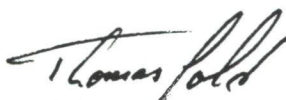
Dear Dr. Bromley;

The interview with you in PHYSICS TODAY suggests that you consider the Space Station worth while as a political issue, and you imply, pretty clearly, that you think the almost universal opposition of the scientific community is only based upon their desire to have their own scientific pet projects funded. Quite correctly, I presume, you say that the abandonment of the Space station will not have that result.

But this is not the situation at all. The scientific community is against the space station, in any case (as you became aware at the National Academy of Sciences last year, after my remarks from the floor). It cannot be justified on scientific, or commercial grounds. Only visionaries pretend to justify it, and we do not think that they have a better access to the future than the scientists or the taxpayers. NASA has long recognized that it can gain heavy congressional support from an alliance with the science fiction community, rather than with the scientists, and the Space Station is the ideal vehicle. The commitment will be an open-ended one: once the thing is up, it will have to be supplied, whatever the cost. What would you say to 220 times the initially projected cost, like the case of the Shuttle? (50 dollars a pound in orbit turned into 11,000 dollars actual cost.)

I am including my letter on this subject to Mr. Hefner, in response to correspondence with a senator. It discusses the nature of the opposition of the scientists, and what their fears are.

Yours sincerely,


Thomas Gold

cc Professor Alex Roland
Professor James Van Allan
Frank Press, President NAS
Mr. Gregg Easterbrook

Thomas Gold
7 Pleasant Grove Lane
Ithaca N.Y. 14850
Tel: (US) 607-257 6696
Fax: (US) 607 257 7969

September 16, 1991

Mr. R. A. Hefner III
GHK Company
3030 Northwest Expressway
18th Floor
Oklahoma City
OK 73112

Dear Robert:

You ask me to comment on the Space Station, and on the present NASA program. Firstly, you know, of course, that I am as enthusiastic as anyone about the great advances that can be made, both in the understanding of man's position in the Universe, and in the technology elicited by the challenges of space flight. I have served on NASA advisory committees since the first days of NASA, and later for many years on the Space Panel of the President's Science Advisory committee, sometimes as its chairman; also on the NASA Lunar and Planetary Missions Board throughout the history of that body. I have spoken before several committees of the House and the Senate, regarding the policy to be pursued by NASA. I set up, and directed a Center for Space Research at Cornell, in which a large amount of important research was, and still is being carried out, supporting NASA programs

Unfortunately, as many persons are aware, our space program has not gone well. From a position of unquestioned world leadership in the late 60's, we are now trailing far behind several other countries in the essentials of the technology. We would do better, commercially, to pay the Russians or the Chinese to launch our utilitarian satellites, like weather, communications and surveillance, than to launch them with the only substantial equipment we now have left: the shuttle. When the shuttle was proposed, it was to be the cheap way into orbit; 50 dollars a pound in orbit was the figure quoted by NASA in 1971. Now the actual figure for a pound placed in low earth orbit is 11,000 dollars. Not only is this 220 times the projected cost, an error of unprecedented magnitude, it is now many times more expensive (in inflation corrected dollars) to launch payloads into orbit than it was in the late 60's. This is after a huge investment and a large number of years were spent in the development of a "superior" launch technology, the shuttle.

At such a disadvantage in launch costs, the US cannot contemplate a major expansion of space activities, requiring heavy loads and frequent flights. The space station would be just such a commitment. Once the program is started, there would be no halting it, whatever the costs. The men up there would have to be supported and supplied; maintenance and

repair would be a continuous necessity. NASA would be assured of huge allocations, whatever was needed. The demand would be setting the pace then, not the intentions of Congress. The projections made at the present time would be as irrelevant then as those made for the shuttle are now.

The problem has been, all along, that manned spaceflight was regarded as the only really significant way to go, and completely artificial ways were invented to "require" men up there. To require a manned flight, at great expense, just to launch a weather or a communication satellite is economically ruinous, and cannot be continued in competition with other countries that use the much cheaper unmanned, expendable boosters. NASA is now aware of that, and the unmanned boosters of twenty years ago are returning; twenty years of development time on them has been lost. During that time enormous advances of instrumentation have made clear how much of space research does not require a manned presence, only a remote manned control; and how much cheaper such operations would then be. The NASA preoccupation with manned flight is out-of-date; an appeal to public enthusiasm which no longer exists, and no longer has any reason for existence. But it still is the basis of the NASA planning.

But how then can NASA justify frequent manned flights? Their solution was the space station. Of course if a rational plan for manned flights to other planets could have been made, that would have been the choice. But technology is not up to that, and quite unpredictable advances would have to be made before it would be. There is not any predictable avenue at the present time that leads to this, however much money is spent. A two-year round trip to Mars, which is what chemical rockets would require, is not a rational possibility. Many problems would arise for which we have no solution. The cosmic ray bombardment that the astronauts would suffer would be far above acceptable limits, possibly lethal. Orbital flight does not produce the same exposure, as the Earth's magnetic field is still a shield there. The space station would be no guide for this problem at all. Weightlessness for that period is well known to be a great problem. Would Congress allocate the immense sums for such a flight, if it could not be reasonably certain that the astronauts would come back alive? One day, if very much faster propulsion can be invented and the round-trip time can be reduced to a couple of weeks, one may contemplate such a flight. But the space station will do nothing to bring this day nearer; in fact its huge and constantly demanding expenditure will withdraw funds from new avenues and researches, and thereby retard progress, just as the shuttle has done for twenty years.

The utilitarian goals advertised by NASA for the space station have not held up against scrutiny by the scientific community. The culturing of animal and human tissue has been done for decades, and gravity is not a major obstacle, but there are many other problems in the medical applications. Electrophoresis as a means of purifying substances, is being worked on, but again the bottleneck is not gravity; the same is true for crystal growth. These matters have been discussed now since the early

60's. If microgravity were a significant advantage, why has industry not applied for any possible space on the Skylab or on the numerous shuttle flights? This, despite NASA's urging and offers of funding. Why has time and money gone into testing whether guppies would be disorientated by the absence of gravity, or whether a spider can spin a web, surely just minor curiosities, when such important medical advances could be seriously predicted from microgravity?

The strong dissatisfaction of the scientific community with the plan for a space station was very clearly demonstrated at the National Academy of Sciences, when Dr. Allen Bromley was trying to defend these plans at an annual meeting. The statement that was made by a member, "that no one should think that opposition to the space station implied opposition to space research - quite the contrary", received tumultuous applause from the 700 members present. Not one voice was raised in favor of the program. Dr. Bromley commenced his reply with the words: "Well I can see that if I was looking for support for the space station I would not come here".

I think that Congress should look at the NASA arguments in the light of the overwhelming sense of the scientific community that these are unrealistic in the extreme, and mainly borne from the self-interest of the organization. A re-evaluation of the entire NASA philosophy is indicated, rather than a program that would cement that philosophy, at great expense, for another 30 years.

Yours very sincerely,

Thomas Gold
Professor Emeritus
Cornell University

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

November 13, 1991

Dear Mr. Gold:

Thank you for your thoughtful letter on the space station. My position is that the Station is not primarily a science project and should not be judged as one. For the record, however, I must take issue with your characterization of scientists' opposition to the Station as "almost universal." A number of life scientists, in particular, strongly support the National Aeronautic and Space Administration's plans.

Sincerely,

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

D. Allan Bromley
Director

Mr. Thomas Gold
7 Pleasant Grove Lane
Ithaca, NY 14850

"Document Control"

TYPE: INFORMATION

ORIGINATOR: 02

STATUS C

DOCUMENT NUMBER: 9124579

DIRECTORATE STATUS

FROM: WHITEHEAD, Edwin C.: WHITEHEAD ASSOCIATES

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 10/24/91

SUBJECT: A THANK YOU NOTE FOR DR. BROMLEY'S OFFER TO WRITE
MARY LASKER REGARDING HER DECISION TO CANCEL THE
LASKER AWARDS FOR NEXT YEAR.

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

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

OSTP RECEIVED: 10/29/91
FILE: P-DAB-AWARDS

DEPT RECEIVED:

CENTRAL FILES:

Whitehead Associates

RECEIVED

31 OCT 29 AIO : 56

OFFICE OF THE
DIRECTOR

4579
100 First Stamford Place
P. O. Box 120033
Stamford, Connecticut 06912-0033
Telephone 203-977-0200
Facsimile 203-977-0259

October 24, 1991

Allan Bromley, Ph.D.
Assistant to the President
Science and Technology
Old Executive Office Building
17th and Pennsylvania Avenue, N.W.
Washington, DC 20500

Dear Dr. Bromley:

It was kind of you to offer to write to Mary Lasker concerning her decision to cancel the Lasker Awards for next year.

Notice of this fact was made by Jordan Gutterman, who is running the Lasker Foundation, in the form of a letter to the Board.

I am sure a word from you will have a strong influence to perhaps make her change her mind.

Sincerely,



Edwin C. Whitehead

THE WHITE HOUSE
WASHINGTON

November 8, 1991

Dear Edwin:

I am enclosing herewith a copy of my promised letter to Mary Lasker concerning her decision to cancel the Lasker Awards for next year. I hope that it may be helpful in a good cause.

It was a pleasure to meet you at the dinner honoring the patrons of the Library of Medicine.

Warmest best wishes,

Sincerely yours,



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

Enclosure

Dr. Edwin C. Whitehead
Whitehead Associates
100 First Stamford Place
P.O. Box 120033
Stamford, Connecticut 06912-0033

THE WHITE HOUSE

WASHINGTON

November 8, 1991

Dear Mrs. Lasker:

At a recent meeting Edwin Whitehead pointed out to me that you had decided to cancel the world famous Lasker Awards for next year. While I realize that, of course, this is entirely your decision to make, I wonder if I might be permitted to make a brief comment concerning it.

The Lasker Awards, as a consequence of your very wise choice of recipients over the years, has become recognized as one of the foremost recognitions of outstanding work in medical science and something to which the very best scientists aspire. As such, it has had a very real catalytic effect in promoting excellence in American science in the entire area of life science.

To have the Lasker Award disappear from the scene at this particular time in our national history when the opportunities for progress and the challenges have never been greater, would, I think, send a message of discouragement to a great, great many outstanding young people who, if not overtly, then in the back of their minds, have the feeling that if they really worked very hard and very creatively they too might some day merit the honor and the distinction that goes with the Lasker Award.

If I may then take the liberty of asking you to at least reconsider your decision, I could assure you that were you to decide to reinstitute the Lasker Awards in this coming year, you would have the continuing thanks of a grateful Nation.

With warmest best wishes,

Sincerely yours,



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

Mrs. Mary Lasker
870 United Nations Plaza
Apartment 24D
New York, New York 10017

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

ORIGINATOR: 02

STATUS C

DOCUMENT NUMBER: 9123532

DIRECTORATE STATUS

FROM: THE CHARLES A. DANA FOUNDATION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 08/15/91

SUBJECT: REQUEST TO HOLD THE EVENING OF TUESDAY NOVEMBER 12,
1991 TO BE A GUEST AT THE DINNER PRESENTATION OF THE
SIXTH ANNUAL CHARLES A. DANA AWARDS FOR PIONEERING
ACHIEVEMENTS IN HEALTH AND EDUCATION.

*no
DAB*

DIRECTORATE
ASSIGNED:

STAFF
ASSIGNED:

ACTION
REQUIRED:

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE:
DATE COMPLETED:

STAFF DUE DATE
DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley

WHITE HOUSE TRACKING #:

CONTACT PERSON:
PHONE:

EXT:

REMARKS: INVITATION TO FOLLOW.

OSTP RECEIVED: 08/20/91
DEPT RECEIVED:

FILE: INVITATION

3582

Please hold the evening of
Tuesday, November 12, 1991
to be our guest at the dinner presentation of the

Sixth Annual
Charles A. Dana Awards for
Pioneering Achievements in Health and Education

RECEIVED

31 AUG 20 P 4: 53

OFFICE OF THE
DIRECTOR

The Plaza Hotel, New York City
Reception 7:00 pm
Dinner 8:00 pm

.....
Invitation to follow

Dr. Bromley

The Charles A. Dana Awards
for Pioneering Achievements in
Health and Education



Oct. 23, 1991

Dear colleagues and friends:

You are cordially invited to attend a symposium on Tuesday, November 12 featuring the work of the 1991 winners of the Charles A. Dana Awards for Pioneering Achievements in Health and Education. The \$50,000 Awards are given annually to bring attention to innovative ideas of proven potential in the Dana Foundation's two major areas of concern.

The symposium will be held from 1:30 to 3:30 p.m. at The New York Academy of Sciences, 2 East 63rd Street, between Fifth and Madison Avenues in Manhattan. A reception follows the formal program.

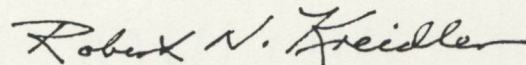
The 1991 Dana Award winners, in the order in which they will speak and answer questions at the symposium, are:

- Phyllis Piotrow, Ph.D., and Patrick Coleman of the Johns Hopkins University Center for Communications Programs, who have pioneered low-cost mass media entertainment campaigns using popular performing artists in recordings, soap operas, and other media to promote family planning methods and increase awareness of sexual responsibility in 40 countries.
- David L. Olds, Ph.D., associate professor of pediatrics and community and preventive medicine at the University of Rochester, who has devised and tested a home visitation program for at-risk young mothers and children that reduces premature and low-weight births, prevents child abuse, and helps break the cycle of poverty, saving thousands of dollars in government services during the child's first years.

- JW Carmichael, Ph.D., professor of chemistry at Xavier University in New Orleans, who has designed summer programs for incoming students and revised the college's science instruction in the freshman and sophomore years to make this small institution a leading source of black doctors, pharmacists, and other health professionals.
- James P. Comer, Ph.D., professor of child psychiatry at Yale University, who has involved parents, principals, teachers, and mental health professionals in designing model schools that vastly improve the achievement levels of poor children in problem-plagued, inner-city elementary schools.
- Mary Catherine Swanson, a teacher in the San Diego, California school system who, with other teachers, has devised a highly successful but low-cost program, now being adopted statewide, that prepares minority and low-income students for college entrance.

This symposium is a special opportunity to meet and hear from talented individuals whose ideas will help shape the quality of education and health for the years to come. Please telephone 212-223-4040 if you are able to join us.

Yours sincerely,



Robert N. Kreidler
President

"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9124567

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: SHANE, Richard J.: U.S. SMALL BUSINESS ASSOCIATION

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 10/15/91

SUBJECT: PROVIDING A COPY OF THE SMALL BUSINESS INNOVATION
RESEARCH ANNUAL REPORT TO CONGRESS.

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
Joseph Broz
INDUSTRIAL

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

PHONE:

EXT:

11/4/91
Repar the Joseph Broz
please

OSTP RECEIVED:
FILE: INDUSTRIAL

DEPT RECEIVED:

CENTRAL FILES:



U.S. SMALL BUSINESS ADMINISTRATION
WASHINGTON, D.C. 20416

4567
RECEIVED



91 OCT 29 A10:39

OFFICE OF THE
DIRECTOR

Dr. D. Allan Bromley
Director
Office of Science and Technology Policy
Room 360
Old Executive Office Building
Washington, DC 20500

Dear Dr. Bromley:

We are pleased to provide you with a copy of the latest Small Business Innovation Research (SBIR) Annual Report to Congress entitled Eighth Year Results Under the Small Business Innovation Development Act of 1982.

In accord with Public Law 97-219, copies of this annual report have been distributed to both Houses of Congress and to members of the Committees on Small Business of the United States Senate and House of Representatives.

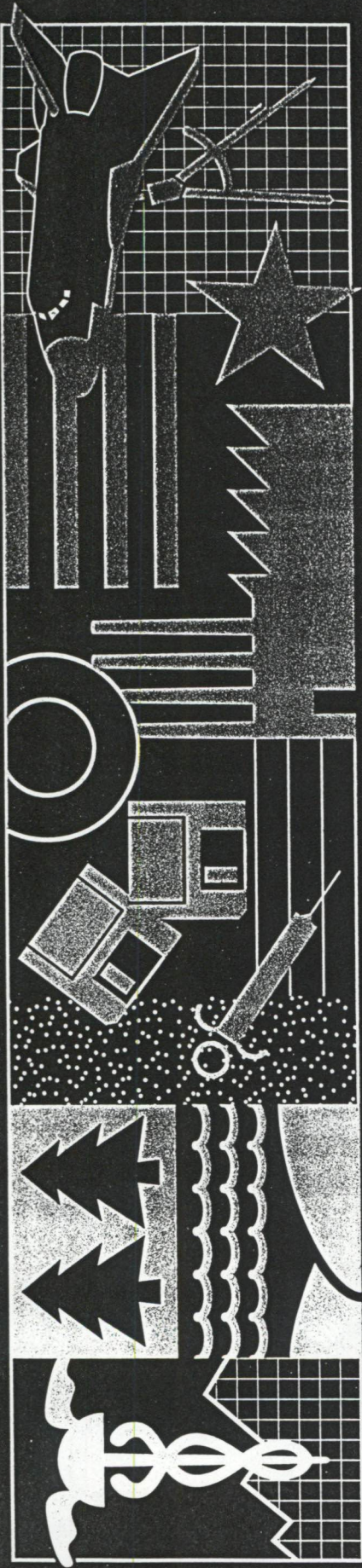
We have also enclosed a copy of the Listing of SBIR Awardees for FY 1990 which cites the small business concerns that successfully competed for awards under this program.

Please advise us if your office would like to have additional copies of the annual report.

Sincerely,

Richard J. Shane
Assistant Administrator for
Innovation, Research and
Technology

Enclosures



*Eighth Year
Results*

SMALL BUSINESS INNOVATION DEVELOPMENT ACT

Office of Innovation,
Research and
Technology

8th Annual Report

July 1991



June 1991



U.S. Small Business Administration
Office of Innovation Research and Technology

Small Business Innovation Research Program

Listing of SBIR Awardees for FY 1990



SMALL BUSINESS: Building America's Future