

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: Correspondence Files

OA/ID Number: 62006
Folder ID Number: 62006-012

Folder Title:
D. Allan Bromley: Referrals [6 of 7] [1992]

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

"Document Control"

TYPE: ACTION

DOCUMENT NUMBER: 9201889

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: ROBINSON, Dorothy K.: YALE UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 05/08/92

SUBJECT: HE IS WRITING FOR DR. BROMLEY'S SUGGESTIONS FOR
POSSIBLE CANDIDATES FOR PRESIDENT OF THE AAU.

DIRECTORATE

STAFF

ASSIGNED: D. Allan Bromley

ASSIGNED:

ACTION

STAFF

REQUIRED: AS APPROPRIATE

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 06/09/92

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 05/26/92

DEPT RECEIVED:

FILE: P-DAB-REFERRAL

CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01a. Letter	To: Allan Bromley From: Dorothy Robinson Re: Request for suggestions for candidates for President of the Association of American Universities [personal information redacted] (1 pp.)	5/8/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01b. Announcement	Job Description [personal information redacted] (1 pp.)		(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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(b)(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
(b)(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01c. Letter	To: Dorothy Robinson From: Allan Bromley Re: Response to request for suggestions for candidates for President of the Association of American Universities [personal information redacted] (2 pp.)	5/28/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

C. Closed in accordance with restrictions contained in donor's deed of
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PRM. Removed as a personal record misfile.

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

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(b)(4) Release would disclose trade secrets or confidential or financial
information [(b)(4) of the FOIA]
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personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement
purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of
financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

"Document Control"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9201588
DIRECTORATE STATUS

STATUS I

FROM: MARKEY, John: YALE UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 04/29/92

SUBJECT: HE IS REQUESTING A LETTER OF RECOMMENDATION FROM DR.
BROMLEY.

DIRECTORATE

ASSIGNED: D. Allan Bromley

STAFF

ASSIGNED:

ACTION

REQUIRED: AS APPROPRIATE

STAFF

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 05/14/92

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 04/30/92

DEPT RECEIVED:

FILE: P-DAB-REFERRAL

CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02a. Letter	To: Allan Bromley From: John Markey Re: Request for letter of recommendation [personal information redacted] (1 pp.)	4/29/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02b. Letter	To: John Markey From: Allan Bromley Re: Response to request for letter of recommendation [personal information redacted] (2 pp.)	5/18/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

(b)(1) National security classified information [(b)(1) of the FOIA]
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(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

"Document Control"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9201380
DIRECTORATE STATUS

STATUS I

FROM: UEBERFELDT, Vera: ALEXANDER VON HUMBOLDT-STIFTUNG

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 04/08/92

SUBJECT: SHE IS WRITING TO ASK DR. BROMLEY'S OPINION ON
SCIENTISTS NOMINATED FOR THE HUMBOLDT RESEARCH
AWARD.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS APPROPRIATE ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 05/01/92 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO:

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

OSTP RECEIVED: 04/15/92
FILE: P-DAB-REFERRAL

DEPT RECEIVED:

CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03a. Letter	To: Allan Bromley From: Hellmut Hanle Re: Request for opinion on scientists nominated for the Humboldt Research Award [personal information redacted] (1 pp.)	4/8/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
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financial information [(a)(4) of the PRA]
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and his advisors, or between such advisors [(a)(5) of the PRA]
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personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of
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Freedom of Information Act - [5 U.S.C. 552(b)]

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(b)(4) Release would disclose trade secrets or confidential or financial
information [(b)(4) of the FOIA]
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personal privacy [(b)(6) of the FOIA]
(b)(7) Release would disclose information compiled for law enforcement
purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of
financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03b. Resume	Resume of Jurg Saladin [personal information redacted] (12 pp.)	6/11/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03c. Form	Questionnaire for Humboldt Research Awards [personal information redacted] (2 pp.)		(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
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AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03d. Letter	To: Hellmut Hanle From: Allan Bromley Re: Response to request for opinion on scientists nominated for the Humboldt Research Award [personal information redacted] (1 pp.)	4/21/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
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AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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P-2 Relating to the appointment to Federal office [(a)(2) of the PRA]
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(b)(9) Release would disclose geological or geophysical information

"Document Control"

TYPE: ACTION

DOCUMENT NUMBER: 9201134

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: FRANKLIN, Gregg B.: CARNEGIE MELLON

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 03/30/92

SUBJECT: HE IS REQUESTING A LETTER OF RECOMMENDATION FOR
MOSHE GAI.

DIRECTORATE

STAFF

ASSIGNED: D. Allan Bromley

ASSIGNED:

ACTION

STAFF

REQUIRED: AS APPROPRIATE

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 04/20/92

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

OSTP RECEIVED: 04/06/92

DEPT RECEIVED:

FILE: P-DAB-REFERRALS

CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04a. Letter	To: Allan Bromley From: Gregg Franklin Re: Request for letter of recommendation for Moshe Gai [personal information redacted] (1 pp.)	3/30/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
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Re-review Case #:		Appeal Disposition:	
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AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04b. Letter	To: Gregg Franklin From: Allan Bromley Re: Letter of recommendation for Moshe Gai [personal information redacted] (3 pp.)	4/21/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9200952
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: DUGGAN, Jerome L.: UNIVERSITY OF NORTH TEXAS

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 03/24/92

SUBJECT: NOMINATION OF DR. PATRICK RICHARD FOR A
CORTELYOU-RUST DISTINGUISHED PROFESSORSHIP.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE: 04/01/92
OSTP DUE DATE: 04/01/92 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO:

WHITE HOUSE TRACKING #: CONTACT PERSON: DR. JAMES C. LEGG
PHONE: 913/532-6806 EXT: FAX
REMARKS:

OSTP RECEIVED: 03/24/92 DEPT RECEIVED:
FILE: P-DAB-REFERRAL
CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05a. Letter	To: James Legg From: Allan Bromley Re: Support of nomination of Patrick Richard for a Cortelyou-Rust Distinguished Professorship [personal information redacted] (1 pp.)	3/25/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05b. Letter	To: Allan Bromley From: Jerome Duggan Re: Nomination of Patrick Richard for a Cortelyou-Rust Distinguished Professorship [personal information redacted] (1 pp.)	3/24/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05c. Letter	To: James Legg From: Jerome Duggan Re: Nomination of Patrick Richard for a Cortelyou-Rust Distinguished Professorship [personal information redacted] (1 pp.)	3/24/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05d. Letter	To: Jerome Duggan From: James Legg Re: Nomination of Patrick Richard for a Cortelyou-Rust Distinguished Professorship [personal information redacted] (1 pp.)	3/19/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05e. Guidelines	Criteria and Procedures for Selecting University Distinguished Professors [personal information redacted] (3 pp.)	9/90	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05f. Resume	Resume of Patrick Richard [personal information redacted] (9 pp.)		(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

"Document Control"

TYPE: ACTION

DOCUMENT NUMBER: 9200598

ORIGINATOR: 02

STATUS I

DIRECTORATE STATUS

FROM: RODGERS, Sharon F. and ARENDS, Jacqueline: PRESIDENTIAL
PERSONNEL

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 02/21/92

SUBJECT: THEY REQUEST NOMINEES TO FILL VACANCIES ON THE
PRESIDENT'S COMMITTEE ON THE NATIONAL MEDAL OF
SCIENCE AND THE NUCLEAR WASTE REVIEW BOARD.

DIRECTORATE

STAFF

ASSIGNED: D. Allan Bromley

ASSIGNED:

ACTION

STAFF

REQUIRED: AS NECESSARY

ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 03/10/92

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO: ADMINISTRATION
Damar Hawkins
PHYSICAL SCIENCES

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

PHONE:

EXT:

OSTP RECEIVED: 02/25/92

DEPT RECEIVED:

FILE: P-DAB-REFERRAL

CENTRAL FILES:



Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06a. Memorandum	To: Allan Bromley From: Sharon Fitzpatrick Rodgers Re: President's Committee on the National Medal of Science; Nuclear Waste Technical Review Board [personal information redacted] (1 pp.)	2/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06b. Memorandum	To: Sharon Fitzpatrick Rodgers From: Allan Bromley Re: President's Committee on the National Medal of Science; Nuclear Waste Technical Review Board [personal information redacted] (2 pp.)	2/27/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

C. Closed in accordance with restrictions contained in donor's deed of
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PRM. Removed as a personal record misfile.

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

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06c. Memorandum	To: Allan Bromley From: Sharon Fitzpatrick Rodgers Re: President's Committee on the National Medal of Science; Nuclear Waste Technical Review Board [personal information redacted] (1 pp.)	2/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed: 1/12/2010	OA/ID Number: 62006-012
FOIA/SYS Case #: 2005-0336-F	Appeal Case #:
Re-review Case #:	Appeal Disposition:
P-2/P-5 Review Case #:	Disposition Date:
AR Case #:	MR Case #:
AR Disposition:	MR Disposition:
AR Disposition Date:	MR Disposition Date:

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

TYPE: ACTION DOCUMENT NUMBER: 9200500
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: ALHASSID, Yoram: YALE UNIVERSITY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 02/16/92

SUBJECT: HE IS WRITING REGARDING VARIOUS LEADERSHIP POSITIONS
AT WNSL.

DIRECTORATE STAFF
ASSIGNED: D. Allan Bromley ASSIGNED:

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE:
OSTP DUE DATE: 03/03/92 STAFF DUE DATE
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO:

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FILE: P-DAB-REFERRAL
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Withdrawal/Redaction Sheet

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Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
07a. Letter	To: Yoram Alhassid From: Allan Bromley Re: Response to letter regarding recommendation for leadership positions at Yale [personal information redacted] (2 pp.)	2/24/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
07b. Letter	To: Allan Bromley From: Yoram Alhassid Re: Recommendation for leadership positions at Yale [personal information redacted] (2 pp.)	2/16/92	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Correspondence Files
WHORM Cat.:
File Location: D. Allan Bromley: Referrals [6 of 7] [1992]

Date Closed:	1/12/2010	OA/ID Number:	62006-012
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
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AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

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Evidence for a Phase Transition in the Nuclear Shape at Finite Temperature and Rapid Rotation

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Y. Alhassid and N. Whelan

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The γ -decay of the Giant Dipole Resonance in highly excited ^{45}Sc compound nuclei has been studied. At high spin, the spectral shapes exhibit a shoulder at $E_\gamma \approx 25$ MeV, in addition to the main peak at $E_\gamma \approx 16$ MeV, indicating the presence of large deformations $\beta > 0.45$. Calculated spectral shapes including the effects of thermal shape fluctuations provide a good description of the measured spectra only when the nuclear potential energy surface includes the oblate $\rightarrow$ triaxial ($\rightarrow$ prolate) phase transition predicted by the rotating liquid drop model at high spin.

At temperatures $T \geq 2$ MeV or so, shell effects are expected to be small, and the properties of equilibrated nuclei should be well approximated by the rotating liquid drop model (RLDM) [1]. The spherical $\rightarrow$ oblate shape change expected in this model at low to moderate spin was recently verified in a study of Giant Dipole Resonance

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ON THE WIDTH OF THE GIANT DIPOLE RESONANCE IN DEFORMED NUCLEI

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Received 6 August 1990

Abstract: Applying surface dissipation models to the Goldhaber-Teller model, we calculate the dependence of the giant dipole resonance (GDR) width on the nuclear quadrupole deformation. When expressed in units of the spherical width, this width reduces to a purely geometrical elliptic integral. It is shown to be very well approximated by the empirical power law with an exponent of 1.6. This approach utilizes no free parameters and reproduces the experimentally observed width dependence for GDR's built on the ground state of heavy nuclei. The formula derived here plays an important role in a recently developed macroscopic approach to the GDR in hot rotating nuclei.



TIME-DEPENDENT SHAPE FLUCTUATIONS AND THE GIANT DIPOLE RESONANCE IN HOT NUCLEI:

Realistic calculations

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Received 2 February 1990

Abstract: The effects of time-dependent shape fluctuations on the giant dipole resonance (GDR) in hot rotating nuclei are investigated. Using the framework of the Landau theory of shape transitions we develop a realistic macroscopic stochastic model to describe the quadrupole time-dependent shape fluctuations and their coupling to the dipole degrees of freedom. In the adiabatic limit the theory reduces to a previous adiabatic theory of static fluctuations in which the GDR cross section is calculated by averaging over the equilibrium distribution with the unitary invariant metric. Nonadiabatic effects are investigated in this model and found to cause structural changes in the resonance cross section and motional narrowing. Comparisons with experimental data are made and deviations from the adiabatic calculations can be explained. In these cases it is possible to determine from the data the damping of the quadrupole motion at finite temperature.

compatible with the expected values. No other unidentified coincidence signal has been found in the full Ge-NaI energy matrix, and no similar $\gamma\gamma$ cascade has been found within our background. Even if the low statistics does not completely rule out the possibility of a statistical fluctuation, this result should encourage further experiments with improved sensitivities.

E

RADIOACTIVITY $^{76}\text{Ge}(2\beta)$; measured $\beta\gamma$ -coin. deduced neutrinoless decay $T_{1/2}$. Ge, NaI detectors.

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TIME-DEPENDENT FLUCTUATIONS AND THE GIANT DIPOLE RESONANCE IN HOT NUCLEI: SOLVABLE MODELS

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Received 11 June 1990

Abstract: A recent macroscopic theory of time-dependent shape fluctuations in hot nuclei and their effects on the giant dipole resonance is investigated in the context of solvable models with one quadrupole shape degree of freedom. Using the framework of the Landau theory of shape transitions, both the quadrupole shape and the giant dipole degrees of freedom are described by a coupled set of stochastic equations. Two solvable models for which the dipole correlation function is found in closed form are discussed; one for a spherical nucleus and one for a deformed nucleus. The adiabatic and sudden limits of the models are examined. The latter limit is shown to produce a phenomenon known as motional narrowing. For the more general cases we introduce Monte Carlo techniques and test them against the solvable models.

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Hot Nuclei - Landau Theory, Thermal Fluctuations and Dissipation^{*}

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Abstract. The basic ideas and theoretical methods used in the description of hot nuclei are reviewed. In particular, a macroscopic approach to shape transitions is discussed in the framework of the Landau theory in which the quadrupole shape degrees of freedom play the role of the order parameters. This theory describes the universal features of the nuclear shape evolution with temperature and spin. A unified description of fluctuations in all five quadrupole degrees of freedom is introduced and plays an important role in the calculation of physical observables. A macroscopic approach to the giant dipole resonance (GDR) in hot nuclei is developed. With all parameters fixed by the zero temperature nuclear properties, the theory predicts both the GDR cross-section and angular anisotropy of the γ -rays in very good agreement with recent experiments. The intrinsic shape fluctuations are the main cause for the resonance broadening at higher temperatures, while the orientation fluctuations are responsible for the observed attenuation in the angular anisotropy. Dissipation at finite temperature is discussed in the framework of a Langevin-like equation describing the time-dependent shape fluctuations. Non-adiabatic effects may cause motional narrowing of the resonance.

1. Introduction

The possibility of "heating up" a nucleus to a finite temperature opens for us a new dimension in the study of nuclear structure. The principal experimental techniques of forming such hot nuclei are via heavy ion fusion reactions with heavy projectiles. The relative kinetic energy in these collisions is deposited in internal excitations of the nucleus. If there is enough time this energy will be redistributed among the large number of degrees of freedom of the heavy compound nucleus and would lead to an equilibrated hot nucleus [1-3]. A typical heavy nucleus can store up to several hundred MeV of excitation energy in its dense "reservoir" of excited states.

Numerous phenomena are encountered in the study of hot nuclei [4-12]. Various phase-transition-like phenomena are expected to occur as we heat the nucleus. At critical temperatures of $T_c \sim 0.5$ -1 MeV there is the disappearance of pairing [4], at $T_c \sim 1$ -3 MeV we have the shape transitions of well deformed nuclei associated with the melting of the shell structure [5-7], and at $T_c \sim 7$ -12 MeV there is the liquid-gas phase transition [8] above which the finite nucleus does not exist as such. The latter transition is hard to observe since Coulomb instabilities [8] start to develop at lower temperatures ($T \sim 5$ MeV). Of great interest both

^{*} Invited talk presented at the Fifth Yukawa Memorial Symposium, Japan, October 25-26, 1990.

**ORIENTATION FLUCTUATIONS AND THE ANGULAR DISTRIBUTION OF THE
GIANT-DIPOLE-RESONANCE γ RAYS IN HOT ROTATING NUCLEI**

Y. Alhassid and B. Bush

**Reprinted from PHYSICAL REVIEW LETTERS Vol. 65, No. 20 12 November 1990
2527**

CHAOTIC PROPERTIES OF THE
INTERACTING BOSON MODEL

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Abstract

We study classically and quantum mechanically the chaotic properties of low-lying collective states of nuclei by using the interacting boson model. Classical and quantal diagrams are constructed for several measures of chaos in a general parameter space of the Hamiltonian known as the Casten's triangle. Strong correlation are found between the classical and quantal results. A new nearly regular region is discovered.

Chaos in the Low Lying Collective States of Even-Even Nuclei:
Quantal Fluctuations

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and

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Abstract

We study the fluctuations in the spectrum and the E2 transition intensities of the low-lying collective states in heavy nuclei. Using the interacting boson model we investigate the transition from rotational nuclei to γ -unstable nuclei. Near those two limits the system exhibit regular behavior but in the transition region we observe the onset of chaos where both the level statistics and the intensities statistics are described by the Gaussian orthogonal ensemble (GOE) of random matrices. The systematics of the onset of chaos within different spin/parity classes are investigated. The quantal results agree with the classical mean-field analysis.

*A.P. Sloan Fellow

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Chaos in the low-lying collective states of even-even nuclei: Classical limit

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Chaos in the Low-Lying Collective States of Even-Even Nuclei

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(Received 22 May 1990; revised manuscript received 27 September 1990)

We study the fluctuation properties of the spectrum and the electromagnetic $E2$ transitions of low-lying collective states in even-even nuclei. Using the framework of the interacting-boson model we discuss the transition between rotational and γ -unstable nuclei. Near those two limits the system exhibits regular behavior but in the transition region it shows chaotic behavior, where the fluctuations are characterized by the Gaussian orthogonal ensemble. Analysis of the classical mean-field dynamics of the five nuclear quadrupole shape degrees of freedom confirms the quantal results.

PACS numbers: 21.10.Re, 05.45.+b, 21.60.Fw, 23.20.-g

Random-matrix theories¹ (RMT) have been useful in the study of the fluctuation properties of neutron resonances in heavy nuclei.² Their use was justified by the complexity of the nuclear system and the large numbers of degrees of freedom. In recent years, however, it was conjectured that the validity of random-matrix theory can be extended to quantal systems with few degrees of freedom when the underlying classical motion is chaotic.³ In particular, the Gaussian orthogonal ensemble (GOE) of random matrices has been associated with chaotic systems which are time-reversal symmetric. The conjecture was confirmed in numerous studies, mostly of model systems in two degrees of freedom.³⁻⁵

On the experimental side, the most complete data available are the nuclear data ensemble⁶ (NDE) consisting of neutron and proton resonances. These resonances are in regions of high nuclear level density and are consistent with the GOE predictions. The question which arises is whether such a chaotic behavior could prevail also in the low-lying collective part of the nuclear spectrum. Experimentally known low-lying levels in various nuclei were analyzed in Ref. 7. Because of the small sample, it was necessary to group together levels with different spin-parity and only partial conclusions could be reached.

The purpose of this Letter is to study the transition from regular to chaotic motion in low-lying collective states of nuclei by using a realistic theoretical model. With few exceptions, such as that of Rydberg atoms in strong diamagnetic field,⁸ most of the model problems studied in quantum chaos were unrealistic. It is important to investigate whether the signature of quantum chaos observed in the two-dimensional systems also prevails in realistic nuclear models where the number of relevant degrees of freedom is larger than two but still much less than that of the compound nucleus (~ 100) where the neutron resonances were observed.

Most studies of quantum chaos were restricted to the fluctuation properties of the spectrum alone. A study of transition intensities provides an additional probe.^{9,10} In the present Letter we study simultaneously the fluctua-

tions of the spectrum and of the electromagnetic $E2$ transitions.

A complete understanding of the character of the dynamics requires the study of the classical limit. This is considerably more difficult in our case than the usual two-dimensional studies since the number of degrees of freedom is five, corresponding to the five nuclear quadrupole shape parameters. Nevertheless, we are able to accomplish such a study using Monte Carlo techniques. The classical limit here is also different from most other studies in that it actually describes the mean-field evolution of the many-body quantal system.⁵

The model that we use is the interacting-boson model¹¹ (IBM). It is suitable, in particular, for our study since it provides realistic spectra and electromagnetic transition intensities, yet as an algebraic model it is relatively simple to solve. Algebraic models have another property which is particularly useful here. The completely integrable Hamiltonian (for which the motion is necessarily regular) is relatively easy to identify as the one which possesses a dynamical symmetry. Such a symmetry occurs when the algebraic Hamiltonian H can be expressed as a function of Casimir invariants C of a chain of subalgebras of the original algebra G :

$$H = \alpha C(G) + \alpha' C(G') + \alpha'' C(G'') + \dots, \quad (1)$$

$$G \supset G' \supset G'' \supset \dots$$

These Casimir invariants form a set of constants of the motion in involution. If this set is not complete, there are missing labels which can be related to invariants of subalgebras which are not Casimir invariants. With these invariants we obtain a complete set of constants and the system is completely integrable.

The interacting-boson model where $G \equiv U(6)$ has three such dynamical symmetries¹¹

$$U(6) \supset \left\{ \begin{array}{l} U(5) \supset O(5) \\ SU(3) \\ O(6) \supset O(5) \end{array} \right\} \supset \left\{ \begin{array}{l} O(3) \text{ (I)} \\ O(3) \text{ (II)} \\ O(3) \text{ (III)} \end{array} \right. \quad (2)$$

**CHAOTIC PROPERTIES OF THE INTERACTING-BOSON MODEL: A DISCOVERY
OF A NEW REGULAR REGION**

Y. Alhassid and N. Whelan

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