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FOIA MARKER

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

OA/ID Number: 62075
Folder ID Number: 62075-003

Folder Title:
Boards - National Science Foundation [1990]

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THE WHITE HOUSE

WASHINGTON

March 16, 1990

MEMORANDUM FOR THE PRESIDENT

FROM: CHASE UNTERMEYER
Director of Presidential Personnel

SUBJECT: Personnel Selection - **The National Science Board**

I. Board

The National Science Board was established under Public Law 90-407 on July 18, 1968. Its membership consists of the Director of the National Science Board (serving in an ex-officio capacity) and twenty-four members appointed by the President with Senate confirmation. These appointees are to include eminent individuals in the fields of basic, medical or social sciences, engineering, agriculture, education, research management or public affairs. National Science Board members are selected on the basis of established records of distinguished service and represent the views of scientific leaders in all areas of the nation. The law requires the President, when making his appointments, to give due regard to the equitable representation of scientist who are women or who represent minority groups.

II. Term

Members of the National Science Board serve a six-year term, or the remainder of a six-year term if a vacancy occurs before the term expires. There are no holdover members, and any person who has been a member for twelve consecutive years shall thereafter be ineligible for appointment during the two-year period following the expiration of the twelfth year.

III. Membership

The following individuals currently serve on the National Science Board. Term expiration, dates and fields of specialty, as well as sex and race are provided for background purposes.

The current membership is as follows:

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
01. Memo	Chase Untermeyer to POTUS Bush RE: Personnel Selection - The National Science Board (3 pp.)	3/16/90	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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)]

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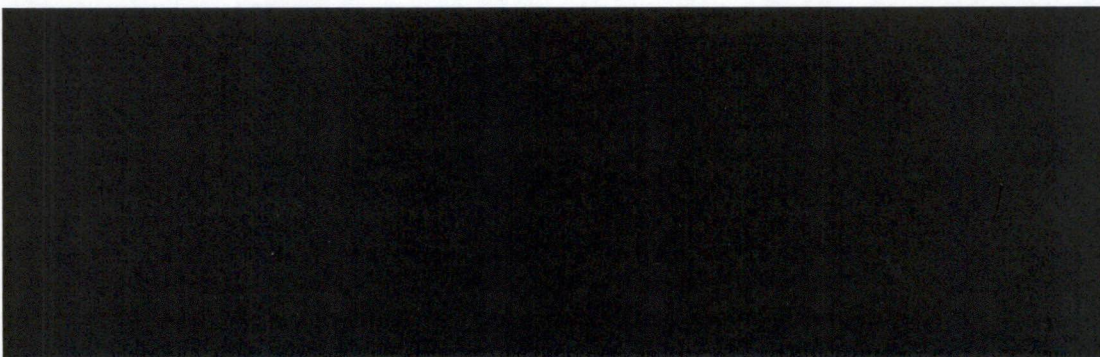
<u>Member</u>	<u>State</u>	<u>Expiration</u>	<u>Discipline</u>	<u>Sex/Race</u>
Adkisson, Perry Lee	TX	Pending	Biology	M/W
Anderson, Annelise	CA	5/10/90	Economics	F/W
Baker, Warren	CA	5/10/94	Engineering	M/W
Bement, Arden L., Jr.	OH	5/10/94	Engineering	M/W
Black, Craig Call	CA	5/10/90	Paleontology	M/W
Brooks, Frederick Jr.	NC	5/10/92	Computer Sci.	M/W
Colwell, Rita	MD	5/10/90	Biology	F/W
Cotton, Frank	TX	5/10/92	Chemistry	M/W
Day, Thomas B.	CA	Pending	Physics	M/W
Drucker, Daniel	FL	5/10/94	Engineering	M/W
Duderstadt, James	MI	Pending	Engineering	M/W
Good, Mary L.	LA	5/10/92	Chemistry	F/W
Hancock, John C.	MO	5/10/92	Engineering	M/W
Holderman, James	SC	5/10/92	Political Sci.	M/W
Hosler, Charles Jr.	PA	5/10/94	Meteorology	M/W
Lindstedt-Siva, Karen	CA	5/10/90	Biology	F/W
Nordtvedt, Kenneth Jr.	MT	5/10/90	Physics	M/W
Powell, James	PA	5/10/92	Geology	M/W
Rhodes, Frank H.	NY	5/10/92	Geology	M/W
Schmitt, Roland	NY	5/10/94	Physics	M/W
Schneiderman, Howard	MO	5/10/92	Biology	M/W

Recently you announced for nomination to the Senate Dr. Benjamin S. Shen and Dr. Peter Raven and W. Glenn Campbell was approved, but has not yet been announced. You also approved for reappointment Perry L. Adkisson, Thomas B. Day and James J. Duderstadt. Dr. Arden L. Bement, a 1988 recess appointment, was also approved for renomination to the Senate.

IV. Recommendation - Select Five

Governor Sununu and I recommend you approve for possible nomination to the Senate the following individuals:

(b)(6)



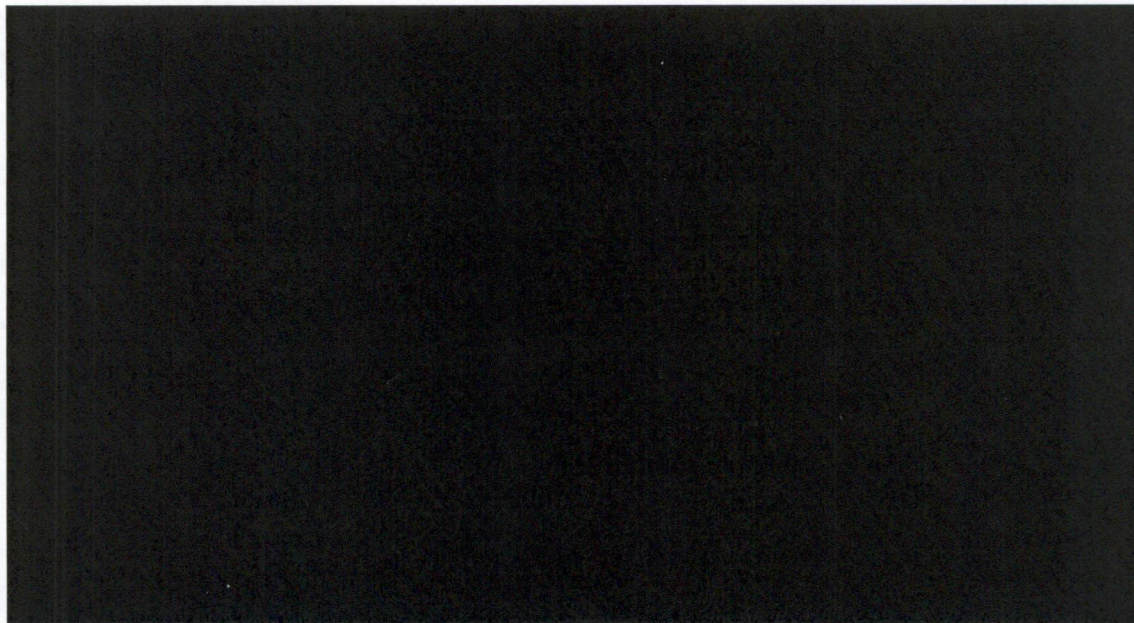
Recommended by: [REDACTED]

APPROVE _____ DISAPPROVE _____

JAIMIE OAXACA, of California, to be a Member of the National Science Board (Engineering), vice Rita Colwell. Mr. Oaxaca is a Corporate Vice President for the Northrop Corporation. He has 32 years of experience in the fields of engineering, engineering management, and program management. In his career at Northrop he has been the director of international and domestic marketing and long range planning, the Vice President of the Missile Programs and the Vice President and Assistant General Manager, Northrop Corporation, Electro-Mechanical Division. Prior to his current job, he was President of Northrop-Wilcox Electric, Inc. and President of Wilcox Electric, Inc., a wholly owned subsidiary of Thompson Corporation of America. (Part-time PAS position serving the remainder of a 6 year term expiring 5/10/96)

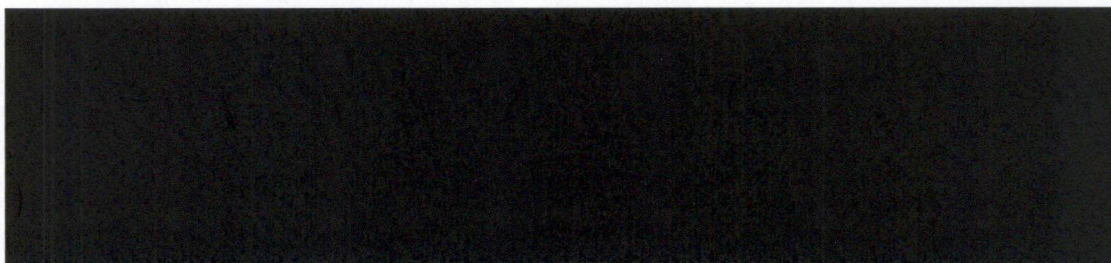
Recommended by: Dr. Bromley, Erich Bloch

APPROVE _____ DISAPPROVE _____ (b)(6)



Recommended by: _____

APPROVE _____ DISAPPROVE _____



(b)(6)

[REDACTED]

Recommended by:

[REDACTED]

APPROVE _____ DISAPPROVE _____

[REDACTED]

Recommended by:

[REDACTED]

APPROVE _____ DISAPPROVE _____

Upon your approval, FBI full-field investigations and legislative clearances will be initiated. Announcements of your intention to nominate these individuals will be made as soon as all necessary clearances are completed. Nominations to the Senate will be forwarded immediately following the announcements.

Withdrawal/Redaction Sheet

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Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02a. Paper	Biography (1 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
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(b)(6)

Education:

Employment Record:

Professional Memberships:

Honor Society Memberships:

Honors and Awards:

Publications:

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02b. Paper	Biography (1 pp.)	5/84	(b)(6)	

Collection:

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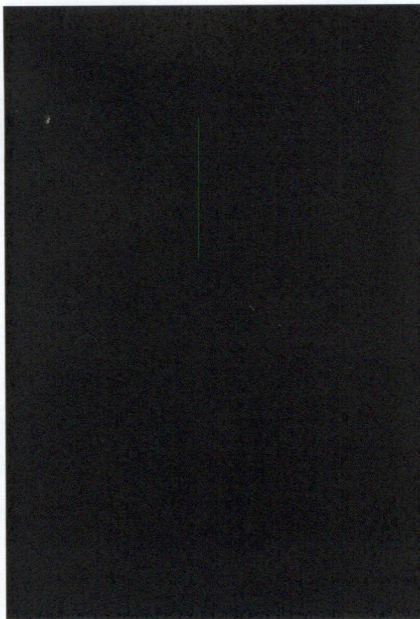
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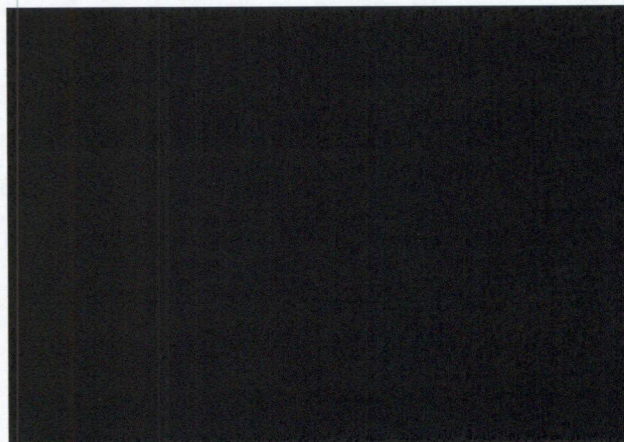
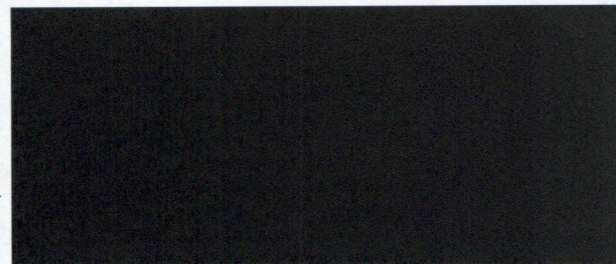
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(b)(6)



(May-1984)

REPUBLICAN AND CAMPAIGN ACTIVITIES

A founding member of Presidential Task Force

A Republican of long standing

A member of the Education Coalition for Bush/Quayle '88

A candidate (Republican) for West Valley School Board, 1988

Encouraged Chinese scientist and engineers to vote for Bush/Quayle ticket

January 8, 1990

Mr. Chase G. Untermeyer
Assistant to the President and
Director, Office of Presidential Personnel
The White House
Washington, DC 20500

Dear Mr. Untermeyer:

A list of proposed candidates for eight vacancies that would occur on the National Science Board in May 1990 was mailed to your office in August 1989. To further assist the White House in the selection of members, we now strongly recommend that the following individuals be appointed or reappointed to the National Science Board.

Reappointment

Perry L. Adkisson
Thomas B. Day
James J. Duderstadt

New Members

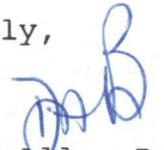
Bernard F. Burke
Mary-Dell Chilton
Glen Campbell
Phillip A. Griffiths
Jaime Oaxaca
Howard E. Simmons

We urge that Dr. Glen Campbell be appointed to fill a vacancy that occurred in 1988 and the other five proposed new members to vacancies that will occur in May 1990.

It is our understanding that there are two individuals presently being processed for appointment to fill the two other vacancies currently existing.

If we can be of any further assistance in this selection process, please call. We hope the appointees can be cleared and confirmed by the Senate in time to participate in the Board's organizing meeting in May 1990.

Sincerely,



Erich Bloch
Director
National Science Foundation

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

Enclosures (10)
Biographical sketches and summary

ATTACHMENT I

NOMINEES TO THE NATIONAL SCIENCE BOARD

<u>NAME</u>	<u>TITLE</u> <u>INSTITUTION</u>	<u>FIELD OF</u> <u>EXPERTISE</u>	<u>HOME ADDRESS</u> <u>TELEPHONE</u>
Adkisson* Perry L.	Chancellor Texas A&M Univ System	Biological/ Medical	1 Reed Drive College Station, TX 77843 (409) 846-8096
Burke Bernard F.	Prof of Physics	Physical Sciences	10 Bloomfield Street Lexington, MA 02173 (617) 862-8939
Chilton Mary-Dell	Director CIBA-Geigy	Biological/ Medical	10513 Winding Wood Trail Raleigh, NC 27613 (919) 847-6758
Day* Thomas B.	President San Diego State Univ.	Physical Sciences	6371 Coral Lake Avenue San Diego, CA 92119 (619) 466-5553
Duderstadt* James J.	President Univ of Michigan	Engineering	2282 Delaware Drive Ann Arbor, MI 48103 (313) 761-5920
Campbell Wesley G.	Director Hoover Institute War, Revolution & Peace	Economics	26915 Alejandro Drive Los Altos Hills, CA 94022 (415) 948-5552
Griffiths Phillip A.	Provost and James B. Duke Prof. Duke University	Mathematics/ Computers	6422 Turkey Farm Road Chapel Hill, NC 27514 (919) 942-2945
Oaxaca Jaime	Corp. Vice President Northrop Corp.	Engineering	6658 Locklenna Lane Rancho Palos Verdas, CA 90274 (213) 377-3794
Simmons Howard E.	Vice President E. I. Dupont de Nemours	Chemistry	P. O. Box 3874 Wilmington, DE 19807 (302) 999-9089

* Renomination

PERRY L. ADKISSON
Deputy Chancellor and
Distinguished Professor of Entomology
The Texas A&M University System
College Station, Texas 77843-2138
(409) 845-4417

Date and Place of Birth: March 11, 1929, Hickman, Arkansas

Education:

- 1946 - Graduate, Armorel High School, Armorel, Arkansas
- 1950 - B.S. (Agric.), University of Arkansas, Fayetteville, Arkansas
- 1954 - M.S. (Agron.), University of Arkansas, Fayetteville, Arkansas
- 1956 - Ph.D. (Ento.), Kansas State University, Manhattan, Kansas

Employment Background:

- 1950 - Instructor (Veterans Program), Vocational Agriculture, Blytheville High School, Blytheville, Arkansas
- 1956-58 - Assistant Professor, Department of Entomology, University of Missouri, Columbia, Missouri
- 1958-63 - Associate Professor, Department of Entomology, Texas A&M University, College Station, Texas
- 1963-67 - Professor, Department of Entomology, Texas A&M University, College Station, Texas
- 1967-78 - Head, Department of Entomology, Texas A&M University, College Station, Texas
- 1979- - Distinguished Professor of Entomology, Department of Entomology Texas A&M University, College Station, Texas
- 1978-80 - Vice President for Agriculture and Renewable Resources, Texas A&M University, College Station, Texas
- 1980-83 - Deputy Chancellor for Agriculture, The Texas A&M University System, College Station, Texas
- 1983- - Deputy Chancellor, The Texas A&M University System, College Station, Texas

Military Experience:

- 1950-53 - Enlisted Man, U.S. Army Medical Corps
- 1953-79 - Senior Scientist, U.S. Public Health Services, Commissioned Reserve Corps

Honors:

- 1963-64 - U.S. Public Health Service Senior Postdoctoral Fellow, Harvard University
- 1965 - Faculty Distinguished Achievement Award for Research, Texas A&M University
- 1967 - J. Everett Bussart Award for Outstanding Research in Economic Entomology, Entomological Society of America
- 1967 - Award for Outstanding Service, Plains Cotton Growers, Inc., Lubbock, Texas
- 1977 - Outstanding Entomologist Award, Central Texas Chapter, American Registry of Professional Entomologists
- 1978 - Man of the Year in Service to Texas Agriculture, Awarded by Progressive Farmer Magazine
- 1979 - Elected to National Academy of Sciences
- 1979 - Adventurer in Science Award, International Plant Protection Congress, Washington, D.C.
- 1979 - Award for Distinguished Service to Professional Entomology, American Registry of Professional Entomologists
- 1980 - Award for Service in Development of the Integrated Pest Management Programs Benefiting Agricultural Producers in Texas, presented by the Texas Pest Management Association and Producers in Texas
- 1980 - Distinguished Service in Agriculture Award, Kansas State University, Manhattan, Kansas
- 1980 - Alexander von Humboldt Award for the most outstanding contribution to agriculture during the past five years for research and developmental work on Integrated Pest Management (IPM), Alexander von Humboldt Foundation, New York
- 1981 - Award for Distinguished Service to Agriculture, Texas A&M Chapter, Gamma Sigma Delta (Honor Society of Agriculture)

Honors (cont.):

- 1982 - Distinguished Scientist of the Year Award, Texas Academy of Sciences
- 1982 - Named to the President's Commission on the National Medal of Science (Presidential Appointment, May 1982 for 3-Year Term)
- 1984 - Named Fellow of the Entomology Society of America at Annual Meeting, San Antonio, Texas, December 1984
- 1985 - Named to the National Science Board (Presidential Appointment, June 1985 for 5-Year Term)

Special Grants:

National Science Foundation:

Photoperiodic Control of Insect Diapause, 1961-1966

Cotton Incorporated:

Systems Approach to Cotton Insect Control, 1970-1973

Development of Juvenile Hormone as a Third Generation Insecticide, 1970-1973

U.S. Department of Agriculture:

Seasonal Biology of the Boll Weevil in the Texas High Plains, 1965-1968

Potential Attractants for Use in Controlling the Tobacco Budworm, 1966-1968

Improvement of Methods for the Total Population Suppression of the Boll Weevil, 1971-1974

Rockefeller Foundation:

Development of Insect-Resistant Cotton Varieties to Minimize Insecticide Treatments for Control of Bollworms (Heliothis spp.), 1971-1976

International Biological Program/National Science Foundation-Environmental Protection Agency Project:

The Principles, Strategies and Tactics of Pest Population Regulation and Control in Major Crop Ecosystems: Director, Cotton Project; Member, Project Executive Committee, 1970-1978

Environmental Protection Agency/USDA Project:

Development of Comprehensive, Unified, Economically and Environmentally Sound Systems of Integrated Pest Management for Major Crops, 1979-1985

Memberships:

National Academy of Sciences
American Association for the Advancement of Science
Entomological Society of America
International Organization for Biological Control
Southwestern Entomological Society
Sigma Xi
American Registry of Professional Entomologists
Phi Kappa Phi
Gamma Sigma Delta

Professional Activities:

National and State

Chairman, Technical Committee of Southern Regional Research Projects: S-37, 1961; S-59, 1968; and S-102, 1975-78
Member, Plains Cotton Growers, Inc., Technical Advisory Committee on Boll Weevil Control, 1968-72
Chairman, Committee on Memorial Lectures, ESA, 1969-71
Chairman, Scientific Advisory Committee to Governor of Texas on Uses of Agricultural Chemicals, 1970-72
Chairman, Texas Pesticide Advisory Committee, 1970-78
Consultant, US/EPA Office of Water Programs, 1971-72
Southern Agricultural Experiment Station Directors' Representative to the Southern Regional Pest Management Working Group, 1971-72
Consultant on Pesticide Uses, US/EPA Hazardous Advisory Committee, 1971-72
Member, Executive Committee, Southwestern Branch, ESA, 1971-74
Member, Governing Board, ESA, 1971-75
Adviser on Pesticides to Texas Legislature, 1972
Member, Texas Structural Pest Control Board, 1972-78
Member, NAS Committee on Biologies of Pest Species (Chairman, 1975-79) 1973-79
Member, CSRS/USDA, Review Team for Department of Entomology, University of Wisconsin, 1973; Cornell University, 1979
President, Entomological Society of America, (ESA), 1974
Member, Executive Committee, NAS Environmental Sciences Board Study Group on Problems of Pest Control, and Member, Cotton Study Team of of this Project, 1974-76
Member, Editorial Board, Annual Review of Entomology, 1974-78
Chairman, Governing Council, American Registry of Professional Entomologists, 1975-76
Chairman, CSRS/USDA, Review Team for Department of Entomology and Nematology, University of Florida, 1976
Vice-Chairman, NAS Committee on Acquisition and Use of Scientific and Technical Information in Regulatory Decision-Making, 1976-77
Member, NAS Committee on World Food and Nutrition, 1976-77
President, American Registry of Professional Entomologists, 1977

Professional Activities (cont.):

- Member, NRC Committee for the International Union of Biological Sciences, 1979-1985
- Member, NAS Class III Membership Committee, 1980-83
- Member, NAS ad hoc Committee on Relationships between Universities and the U.S. Government, 1981-
- Member, Presidential Commission on the National Medal of Science, 1982-
- Consultant, Rockefeller Foundation Conquest of Hunger Program, 1982-
- Member, Editorial Board, Journal of Insect Science, 1982-
- Member, National Research Council Committee on Strategies for Management of Pesticides - Resistant Pest Populations, 1983-1984
- Member, Texas Pesticide Advisory Committee, 1984
- Member, Texas-Israel Exchange Committee, 1985-
- Member, Board on Agriculture, National Research Council, 1985-

Significant Accomplishments:

Dr. Adkisson and Dr. E. S. Vanderzant were co-developers of one of the first successful artificial diets for rearing phytophagous insects. The Vanderzant-Adkisson Wheat Germ Diet (or a derivative thereof) may be found in practically every laboratory in the world where insects are reared. The paper describing this diet is the most cited publication in its field.

Dr. Adkisson and his students have published many important contributions on the basic mechanisms involved in photoperiodic control of insect diapause (dormancy). Adkisson, in work at Harvard University with C. M. Williams, provided one of the most important contributions to this field, by showing that the photoperiod has its primary action on the insect brain by controlling the flow of hormones that control growth and development.

The fundamental knowledge gained in these studies has been utilized by Adkisson and co-workers to develop integrated insect control programs designed to better use cultural and chemical methods for more effective and economical insect control. From this research came a program which has prevented the boll weevil from spreading into millions of acres of cotton in the Texas High Plains, saving farmers millions of dollars and preventing the release of hundreds of tons of insecticides into the environment.

Dr. Adkisson has been a leader in the development of integrated pest management. He was one of the organizers of the "Huffaker" project which in 1972 brought nearly 300 scientists in 18 land-grant universities into a centrally-managed project whose goal was to develop more effective and environmentally sound systems of pest management on six major crops.

In 1978, Dr. Adkisson led the development of a second national project entitled, "Development of Unified, Comprehensive, Economical and Environmentally Sound Integrated Pest Management Systems for Major Crops" which was funded by EPA and USDA for 5 years at \$3.0 million per year. Dr. Adkisson serves as director of the project which involves more than 250 scientists in 17 land-grant universities. Their goal is to develop better systems for managing all the pests, insects, weeds, diseases, and nematodes on alfalfa, apples, cotton, and soybeans.

The development of these two projects has reshaped the philosophies of crop protection specialists across the world and directed their efforts toward an ecological, systems-oriented approach to pest management rather than unilateral approaches based on a single (usually chemical) technique.

Extension Activities:

Dr. Adkisson has not been content to leave his results in the laboratory or literature, he has taken them to the field and led their implementation by farmers. Soon after becoming Head of the Entomology Department in 1967, he led the development of a statewide pest management plan for cotton and sorghum. This plan has been widely accepted by farmers who gained

Extension Activities (cont.):

federal and state appropriations for almost 30 new extension pest management positions. Most of these specialists were placed in counties where they have exerted tremendous influence on farmers. Evidence of their success may be measured in the fact that in the mid-1960's Texas farmers were using almost 20 million pounds of insecticides per year on cotton. By 1980, they were using less than 2 million pounds.

Administrative Accomplishments

Within his own University, Dr. Adkisson is recognized as a competent science administrator. During his tenure as Head (1967-78), the Department of Entomology experienced extraordinary growth. The total departmental budget was increased from \$588,000 to \$2.2 million with grant support being increased from \$80,000 to more than \$1.0 million. The entomological faculty and staff grew from 23 to 66 full-time professionals in research, extension and teaching. Dr. Adkisson also was successful in placing the department in a new building considered to be one of the best entomology facilities anywhere. The department is now the third largest and is recognized as one of the top departments in the country with internationally recognized programs in integrated pest management, insect behavior, insect physiology, host plant resistance to insects and biological control. During this period of growth, Dr. Adkisson demonstrated considerable ability in recruiting highly capable young scientists to his department where he provided them with a stimulating environment in which to work.

International Experience:

Dr. Adkisson, through his research, the administration of research, and by his service on key international agencies has been instrumental in introducing integrated crop protection methods to the developing world. He has visited numerous countries participating in workshops and seminars and lecturing to inform others of the increased crop yields, reduced production costs, and environmental improvement that may be produced by integrated pest management. He has been a member of the UN/FAO Panel of Experts on Integrated Control since 1968 and was one of the architects of the UN/FAO Global Project for Integrated Pest Management on Major Crops. Also, he has helped develop projects on cotton and food crops in Africa.

Adkisson has served as a consultant to the International Atomic Agency, the Organization of Economic Cooperation and Development, United Nations Development Program, and to U. S. Agency for International Development.

Dr. Adkisson has visited universities and research units in the following countries: Europe - United Kingdom, France, Switzerland, Germany, Italy, Austria, Netherlands, Soviet Union, and Greece; Africa - ~~Nigeria~~, Egypt, Sudan, Mali, Kenya, and Senegal; Latin America - Mexico; Central America - Costa Rica; South America - Colombia, Peru, Brazil, and Bolivia; Asia - Japan, India, and The People's Republic of China; Australia and New Zealand; Philippines; Caribbean - Dominican Republic and Barbados.

3.

International Experience (cont.):

Significant assignments include: (1) service as an external reviewer of the programs of the International Rice Research Institute, International Institute for Tropical Agriculture, and International Center for Insect Physiology and Ecology; (2) consultant to the Hellenic Cotton Board of Greece to advise on cotton research and extension programs; (3) advisor to Colombian Cotton Growers Federation and National Livestock and Agricultural Bank on cotton insect control; (4) member of U.S. Crop Protection Delegations to U.S.S.R. and China; and (5) consultant on boll weevil control, EMBRAPA, Brazilian Ministry of Agriculture.

Business Experience:

Dr. Adkisson has part-interest in a cotton-soybean farm in northeastern Arkansas and served as a Director of Homestead Savings and Loan Association, College Station, Texas.



OFFICE OF THE PRESIDENT
SAN DIEGO STATE UNIVERSITY
SAN DIEGO CA 92182

(619) 265-5203

THOMAS B. DAY

President of San Diego State University

1978 to present

Dr. Day holds a Bachelor of Science degree in Physics from the University of Notre Dame and a doctorate degree also in Physics from Cornell University. He was a member of the Physics faculty at the University of Maryland from 1957 to 1978. Prior to coming to San Diego State University, Dr. Day served as Vice Chancellor for Academic Planning and Policy and a Special Assistant to the Chancellor at the University of Maryland, College Park, and then as Acting Vice Chancellor for Academic Affairs at the Baltimore County campus of the University of Maryland. From 1959 until 1976, he served as a consultant to the United States government, the Naval Research Laboratory, IBM Corporation, Digital Equipment Corporation, and the University of Notre Dame. Dr. Day has published widely as a theoretical physicist, as an experimental high energy physicist, and as a co-author of computer programs currently used in high energy physics research. Memberships in local, state, and national organizations include: Rotary of San Diego; board of directors of the Greater San Diego Chamber of Commerce, of Children's Hospital and Research Center, and of El Cajon Valley Hospital; delegate on the Education Committee of the Commission of the Californias; the American Association of State Colleges and Universities, and President Reagan's Committee on the National Medal of Science.

April, 1985

THOMAS B. DAY

Born March 7, 1932, New York, New York
Married; nine children

Education

B. S., University of Notre Dame, 1952
Ph.D., Cornell University, 1957

Major: Physics
Major: Physics

Post-doctoral study or other formal learning: University of Notre Dame, 1952-53.

Experience in Higher Education

1952-53	University of Notre Dame	Teaching Assistant
1953-55	Cornell University	Teaching Assistant
1955-57	Cornell University	Research Assistant
1957-58	University of Maryland	Research Associate
1958-59	University of Maryland	Assistant Research Professor
1959-61	University of Maryland	Assistant Professor
1961-64	University of Maryland	Associate Professor
1964-78	University of Maryland	Professor
1964-65	University of California, L.R.L.	Sabbatical Leave
1967 (Summer)	Argonne National Laboratory	Physicist
1970-77	University of Maryland, College Park	Vice Chancellor for Academic Planning & Policy
1977	University of Maryland, College Park	Special Assistant to the Chancellor
1977-78	University of Maryland, Baltimore County	Vice Chancellor for Academic Affairs (Acting)
1978--	San Diego State University	President

Experience Other Than in Higher Education

1952-53	Bendix Aviation Corporation	Engineer
1959---	United States Government	Consultant
1962-64	Naval Research Laboratory	Consultant
1956-67	I.B.M. Corporation	Consultant
1963	Brookhaven National Laboratory and Argonne National Laboratory	Visiting Physicist
1968	Digital Equipment Corporation	Consultant
1976	University of Notre Dame	Consultant

Professional Activities

American Physical Society (Fellow)
American Association for the Advancement of Science

Honors

University of Maryland representative on Southern Regional Accelerator Committee, Oak Ridge National Laboratory, 1958.
Chairman, Subcommittee on High Energy Physics, Southern Regional Accelerator Committee, 1958.
Representative at Argonne User's Group, Argonne National Laboratory, 1961.
Maryland Academy of Sciences "Outstanding Young Scientist" Award, 1963.
University of Notre Dame, Science Centennial Award, 1966.
Delegate to 13th International Conference on High Energy Physics, 1966 (Berkeley).
Delegate to the 1966 International Conference on Instrumentation for High Energy Physics (Stanford).
Delegate to the 1967 International Conference on Programming for Flying Spot Devices (Munich).
Delegate to the 1968 International PEPR Conference (Nijmegen, Holland).
Elected to Fellowship in the American Physical Society, 1968.
Phi Kappa Phi
Sigma Xi
Tau Beta Pi
Pi Alpha Alpha
Listed in American Men and Women of Science
Listed in Who's Who in America

Publications

Published widely as a theoretical physicist, as an experimental high energy physicist, and as a coauthor of computer programs currently used in high energy physics research.

Memberships

Rotary of San Diego
Advisory Board, Mexican and American Foundation
Delegate, Commission of the Californias, Education Committee
Member, Board of Directors, San Diego Coalition (1979)
Member of Standing Committees of American Association of State Colleges and Universities--Freedom, Responsibility and Tenure, and Committee on Accreditation (1980-83)
Member, Board of Directors, National Center for Higher Education Management Systems (1979-82)
Member, Mayor's Crime Control Commission (San Diego)
Member, Advisory Board, Southwest Border Regional Commission (San Diego) (1980)
Member, Board of Governors, Arthritis Foundation (San Diego) (1981-84)
Member, Board of Directors, World Affairs Council of San Diego (1983-85)
Member, Board of Directors, ALBA '80 Society (San Diego)
Member, Board of Directors, Children's Hospital Research Center (San Diego)
State Representative, American Association of State Colleges and Universities
Member, President's Committee on the National Medal of Science (1983-85)
Member, Board of Directors, Greater San Diego Chamber of Commerce (1984)
Member, Board of Directors, El Cajon Valley Hospital
Member, Advisory Council, LEAD San Diego, Inc.
Member, Advisory Council, San Diego Committee for UNICEF

Biographical Profile James Johnson Duderstadt

Dr. James J. Duderstadt was named President of The University of Michigan by the Regents on June 10, 1988. He formerly served as Provost and Vice-President for Academic Affairs of The University of Michigan. In his role as Provost, Dr. Duderstadt served as the University's chief academic officer and chief budget officer.

Dr. Duderstadt was born on December 5, 1942 in Iowa and spent his childhood in the small, midwestern farm town of Carrollton, Missouri. He attended Yale University where he received a B. Eng. (summa cum laude) in Electrical Engineering in 1964. He continued his education at the California Institute of Technology, where he received a M.S. in Engineering Science in 1965 and a Ph.D. in Engineering Science and Physics in 1967.

After serving as a U. S. Atomic Energy Commission Postdoctoral Fellow at Caltech, Dr. Duderstadt accepted an appointment as Assistant Professor of Nuclear Engineering at The University of Michigan in 1969. He was promoted to Associate Professor in 1972 and then Professor in 1976. In 1981, Dr. Duderstadt was appointed Dean of the University's College of Engineering. In spring of 1986, Dr. Duderstadt was appointed to the position of Provost and Vice-President for Academic Affairs of the University.

During his career, Dr. Duderstadt has received numerous awards for his research, teaching and service activities. At the national level, his honors include election to the National Academy of Engineering (1987), the Ernest O. Lawrence Award of the U. S. Department of Energy (1986) for outstanding contributions to the field of nuclear energy, the Arthur Holly Compton Award of the American Nuclear Society (1985) as outstanding nuclear energy educator, election as Fellow of the American Nuclear Society (1983) and the Mark Mills Award (1968) for the outstanding Ph.D. dissertation in nuclear energy. He was selected as the Outstanding Engineering Educator in the State of Michigan (1986) and has received numerous teaching, research and service awards from The University of Michigan, Yale University and the California Institute of Technology.

Dr. Duderstadt's areas of research and teaching include a variety of topics in applied theoretical physics and mathematics, including nuclear reactor theory and design for both nuclear fission and fusion systems, radiation transport theory, kinetic theory and statistical mechanics, laser physics and computer simulation. He has published 8 textbooks and over 60 technical publications in scholarly journals. He has also directly supervised 22 Ph.D. dissertations and served on the committees of over 100 others.

During Dr. Duderstadt's five-year tenure as Dean of Engineering, the College became a high priority of both the University and the State of Michigan. An investment of roughly \$70 million in new construction allowed the College to move to its new North Campus site. The base budget of the College grew during Dr. Duderstadt's term as dean from \$11 million per year to \$34 million per year. Federally- and industrially-sponsored research support attracted by the College also grew rapidly, increasing from \$16 million per year to \$36 million per year in 1986. Perhaps most significant was the hiring of over 120 new faculty members (roughly 40% of the Engineering College faculty) during this five-year period. Other major initiatives during Dr. Duderstadt's tenure as Dean included the Center for Research on Integrated Manufacturing, the Computer Aided Engineering Network, the Industrial Technology Institute, the Center for Advanced Electronics and Optics Technology, the Center for Machine Intelligence and new academic programs in Electrical Engineering and Computer Science and in Applied Physics.

In Dr. Duderstadt's role as Provost, he had primary responsibility for the 3,400 faculty members, 35,000 students, 17 schools and colleges, Medical Center and other academic units of the University. He also had approval responsibility for all faculty and academic staff appointments in the University. He also served as chief budget officer of the University with responsibilities for its \$1.4 billion annual operating budget. In early 1987 Dr. Duderstadt served for several months as Acting President of the University.

Dr. Duderstadt has been involved in numerous service activities at the local, state and national level. In 1985 President Reagan appointed him to serve as a member of the National Science Board, the nation's primary body for science policy. On the Board he co-chairs the standing Committee on Education and Human Resources. He serves as director on the boards of several other organizations, including the Industrial Technology Institute, the Center for Machine Intelligence, and The University of Michigan Hospitals. He also serves on the Advisory Councils of Cornell University and the Massachusetts Institute of Technology.

Dr. Duderstadt was married to Anne Marie Lock in 1964. The Duderstadts have two daughters: Susan, a graduate of Yale University and currently a medical student at The University of Michigan, and Katharine, a junior at Harvard University.

BURKE, BERNARD FLOOD, b Boston, Mass, June 7, 28; m 53; c 4.
PHYSICS. *Educ*: Mass Inst Technol, SB, 50, PhD, 53. *Prof Exp*: Asst physics,
50-53, chmn, prof, 65-81, chmn, Astrophysic Dir, 70-83, WILLIAM
BURDEN PROF PHYSICS, MASS INST TECHNOL, 81- *Concurrent Pos*:
Jr res assoc, Brookhaven Nat Lab, 52-53; mem, Nat Radio Astron Observ
Adv Comt, 58-62; astron adv comt, NSF, 58-63, 73-76, consult, Found, 63-
NASA, 68-; assoc ed, Astron, J, 62-64; vis prof, Univ Leiden, 71-72; trustee,
Assoc Univs Inc, 72-; trustee & chmn, Northeast Radio Observ Corp, 73-
chmn, 82-; Sherman Fairchild Scholar, Calif Inst Technol, 84-85; Smithsonian
Regents Fel, 85. *Honors & Awards*: Warner Prize, Am Astron Soc, 63;
Rumford Prize, Am Acad Arts & Sci, 71. *Mem*: Nat Acad Sci; fel AAAS; Am
Acad Arts & Sci; Am Phys Soc; Am Astron Soc (pres, 86); Royal Astron Soc;
Int Scientific Radio Union. *Res*: Radio astronomy; galactic structure;
microwave interferometry; microwave spectroscopy; antenna arrays; low-
noise electronic circuitry. *Mailing Add*: Room 26-335 Mass Inst of Technol
Cambridge MA 02139

CHILTON, MARY-DELL MATCHETT, b Indianapolis, Ind, Feb 2, 39; m 66;
c 2. MOLECULAR BIOLOGY, BIOCHEMISTRY. *Educ*: Univ Ill, Urbana,
BSc, 60, PhD(chem), 67. *Prof Exp*: Fel microbiol, Univ Wash, 67-69, fel
biochem, 69-70, asst biologist, 71-73, res asst prof biol, 73-77, res assoc prof,
77-79; ASSOC PROF BIOL, WASHINGTON UNIV, 79- *Honors & Awards*:
Bronze Medal, Am Inst Chemists, 60. *Mem*: Am Soc Microbiol. *Res*: Crown
gall tumorigenesis; bacterial plasmids; plant genome organization; satellite
DNA; DNA and RNA hybridization; bacterial genetics. *Mailing Add*: Dept
of Microbiol Washington Univ St Louis MO 63130

CAMPBELL WESLEY GLENN, economist, educator; b. Komoka, Ont., Can., Apr. 29, 1924; s. Alfred E and Della (O'Brien) C.; m. Rita Ricardo, Sept. 15, 1946; children: Barbara Campbell Bizewski, Diane Campbell Porter, Nancy. B.A., U. Western Ont., 1944; M.A., Harvard, 1946, Ph.D., 1948. Instr. econs. Harvard, 1948-51; research economist U.S. C. of C., 1951-54; dir. research Am. Enterprise Assn., 1954-60; dir. Hoover Instn. War, Revolution and Peace, Stanford, Calif., 1960—; Co-dir. projection Am. competitive enterprise, ign. econ. devel. and aid program, spl. comm. to study fgn. aid program U.S. Senate, 1956-57; mem. Pres.'s Comm. on White House Fellows, 1969-74, President's Com. on Sci. and Tech., 1976; mem. personnel adv. comm. to Pres., 1980-81; mem. adv. bd. Ctr. for Strategic and Internal Studies, 1980-85; dir. Hutchins Ctr. for Study Dem. Institns., 1981-87; bd. dirs. NSF, 1972-78, Com. on Present Danger, 1976—; chmn. Pres.'s Intelligence Oversight Bd., 1981—; mem. Pres.'s Fgn. Intelligence Adv. Bd., 1981—; chmn. Am. panel Joint Com. Japan-U.S. Cultural and Ednl. Coop., 1983—; chmn. Japan-U.S. Friendship Commn., 1983—; mem. UNESCO Monitoring Panel, 1984; bd. trustees Ronald Reagan Presidl. Found., 1985—, chmn., 1985-87. Co-author: The American Competitive Enterprise Economy, 1952; Editor, prin. author: The Economics of Mobilization and War, 1952; contr. articles to prof. journs. Trustee Herbert Hoover Presidl. Library Assn.; mem. bd. visitors Bernice P. Bishop Mus.; regent U. Calif., 1968—. Fellow Royal Econ. Soc.; mem. Am. Econ. Assn., Phila. Soc. (pres. 1965-67), Mont Pelerin Soc. (dir. 1980—). Clubs: Bohemian (Cal.), Cosmos (Cal.), Commonwealth (Cal.). Home: 26915 Alejandro Dr Los Altos Hills CA 94022 Office: Hoover Instn Stanford U Stanford CA 94305

Biographical Sketch: (Please attach copy below.)

B.S., Wake Forest University, 1959

Ph.D., Princeton University, 1963

Honorary degrees: Wake Forest (1973), Angers University (1979),
University of Peking (1983).

Miller Fellow, University of California, Berkeley, 1963-64

Assistant Professor, Associate Professor of Mathematics, University of California,
Berkeley, 1964-68.

Professor of Mathematics, Princeton University, 1968-72.

Professor of Mathematics, Harvard University, 1972-83.

Provost and James B. Duke Professor of Mathematics, Duke University, 1984-

LeRoy P. Steel Prize of the American Mathematics Society, 1979

Dinnie-Heineman-Preis Prize of the Academy of Sciences, 1979

**GRIFFITHS, PHILLIP A, b Raleigh, NC. Oct 18. 38. ALGEBRAIC
GEOMETRY. Educ: Wake Forest Univ, BS, 59; Princeton Univ, PhD(math),
63. Prof Exp: Prof math, Princeton Univ, 68-72; prof, Harvard Univ, 72-83,
Dwight Robinson Parker prof, 82; JAMES B DUKE PROF MATH &
PROVOST, DUKE UNIV, 83- Mem: Nat Acad Sci. Mailing Add: Off
Provost Duke Univ 220 Allen Bldg Durham NC 27706**

NOTE: Continue on reverse side if additional space is needed for
any category.

BIOGRAPHY FOR SPEAKING ENGAGEMENTS

NAME: The Honorable Jaime Oaxaca

TITLE: Corporate Vice President
Northrop Corporation; Los Angeles, California

EDUCATION: El Paso High School; El Paso, Texas
Graduated January 1949

USN Electronics Materiel School; San Francisco, CA
Graduated May 1952

University of Texas, El Paso
Graduated January 1957

Stanford University, Graduate School of Business, CA
Graduated June 1972

CREDENTIALS: High School Diploma
(Degrees
obtained) Navy Electronics Materiel School Diploma

BSEE, Engineering

Sloan Executive Fellow

AWARDS: Presidential Appointment - Ronald Reagan 1982 -
General Advisory Committee on Arms Control and
Disarmament

Candidate for Secretary of Transportation - 1987

Appointed by President's Science Advisor to co-chair the
Task Force on Women, Minorities, and the Handicapped in
Science and Technology - 1987

Distinguished Fellow of the Institute for the
Advancement of Engineering - 1980

Candidate for Secretary of the Air Force - 1981

Society of Hispanic Professional Engineers - First
recipient of the "Jaime Oaxaca" award for excellence in
Engineering and dedication to the community

Selected by National Science Foundation to review
Science and Technology: A Five-Year Outlook -- A
report from the National Academy of Sciences

Mexican-American Opportunities Foundation - Awarded
the coveted Business and Industry Award

Recipient of the Institute for the Advancement of
Engineering - Outstanding Engineer Merit Award
Nominated for Engineer of the Year Award - National
Academy of Science

EXPERIENCE: Thirty-two (32) years experience in the fields of engineering, engineering management, and program management; director of international and domestic marketing and long range planning; Vice President of Missile Programs and Vice President and Assistant General Manager, Northrop Corporation, Electro-Mechanical Division; and President, Northrop-Wilcox Electric, Inc.; President of Wilcox Electric, Inc. (a wholly owned subsidiary of Thomson Corporation of America); Corporate Vice President/Elected Officer, Northrop Corporation.

ASSOCIATIONS: Past member and past Chairman of the Sloan Advisory Council at Stanford University, Graduate School of Business

Member of the Advisory Council of the International Security Studies Program, The Fletcher School of Law and Diplomacy, Tufts University; Medford, MA

Member of the International Council Committee, Aerospace Industries Association

Member of the Middle East Institute

Member of the President's Corporate Cabinet, Cal Poly University, San Luis Obispo

Member of the Board of Directors, SHPE Foundation (Society of Hispanic Professional Engineers)

Member of the Board of Directors, NACME (National Action Council for Minorities in Engineering, Inc.)

Member of the Mathematical Sciences in the Year 2000 (MS 2000) Oversight Committee for the National Research Council

Member of the National Science Foundation Policy Research and Analysis Committee

Member of the National Science Foundation Science Resources Studies Committee

Past treasurer for "Los Hambriados" (A civic organization - caretaker of an orphanage)

Member of the Association of the United States Army

Member of the American Defense Preparedness Association

Member of the American Institute of Aeronautics and Astronautics

ASSOCIATIONS: Member of the Stanford University Alumni Association
(continued)

Past Chairman of the Board of Directors, MESA
(Mathematics, Engineering, Science Achievement)

Past member of Lt. Gov. Curb's Commission of the
Californias

Past member of the Senator S. I. Hayakawa California
Constituency Council, Los Angeles County

UCI Industry Advisor to MESA Chapter

Member of the University of Texas, El Paso Alumni
Association

Member of Gov. Deukmejian's Advisory Committee to the
Commission of the Californias

Member of the Mexican-American Engineering Society

Member of the Society of Hispanic Professional
Engineers

Assistant General Chairman - WINCON '83

Member of the Kansas City Area Economic Development
Council

Member of Greater Kansas City Chamber of Commerce

Member of VITA (Volunteers in Technical Assistance)

COMMUNITY
AFFAIRS:

Keynote Speaker for:

American Institute for the Advancement of Science

Mexican-American Engineering Society

Sharpe Army Depot - National Hispanic Heritage Week

Youth Motivation Task Force - Orange County

Mathematics, Engineering, Science Achievement (MESA)

Cal State Fullerton - Guest Lecturer -
Marketing/Management

Top Management Seminar - Hispanics at the Corporate
level

Texas Alliance for Minorities in Engineering (TAME)

COMMUNITY
AFFAIRS:
(continued)

Keynote Speaker for:

- Incorporated Mexican/American Government Employees (IMAGE)
- Personnel Management Association of Atzlan (PMAA)
- California Polytechnic Institute - Engineers' Week
- NASA - Hugh L. Dryden Flight Research Center - National Hispanic Heritage Week
- Society of Hispanic Professional Engineers (SHPE)
- League of United Latin American Citizens (LULAC)
- Defense Contract Administration Services Materiel Agency (DCASMA) Hispanic Week in Los Angeles
- Hughes Aircraft Company Management Club
- Harvey Mudd College - MESA
- Cal State Northridge - MESA
- Cal State Los Angeles - MESA
- UCLA - MESA/SHPE Chapter
- American Institute of Aeronautics and Astronautics
- American Society of Public Administrators
- Aerospace Corporation Space and Missile Systems Organization
- University of California - MESA Industry Advisor
- Mexican-American Opportunities Foundation
- Cal State University Long Beach - Minority Engineers
- Casa de Hermandad - Jobs Program
- Dallas Independent School District Selection of Leaders
- United States Air Force Academy Business and Minority Enterprises
- Rocky Mountain College Placement Association, 34th Annual Conference

COMMUNITY
AFFAIRS:
(continued)

Amigos de Ser Awards Banquet

Tele-Communications Association 1980 Conference and
Exposition

FAA/NASA Learning through Aviation and Space Education
Conference

MAOF Aztec Awards Banquet 1980, Master of Ceremonies

Speaker - Cal Berkeley Engineering Department

Master of Ceremonies, Mexican American Alumni Association
7th Annual Scholarship Fund Raising Dinner

Master of Ceremonies, SHPE Career Day Luncheon, L.A.
Hilton

Panelist, Labor Panel, Plaza de la Raza Executive Seminar

Speaker on "Contract Management in Perspective",
University of California, Irvine

Hispanic Women's Council, Inc. - Advisory Board

Mexican-American Opportunity Foundation (MAOF)
Board of Directors

Fellow Member - Institute for the Advancement of
Engineering (IAE)

JAIME OAXACA
CORPORATE VICE PRESIDENT - ELECTED OFFICER - NORTHROP CORPORATION
1840 CENTURY PARK EAST
LOS ANGELES, CALIFORNIA 90067
(213) 201-3362
(213) 553-6262

PROFESSIONAL CREDENTIALS

Summary of Experience - (32 Years in the Aerospace Business -
DOD, DOT)

Exemplary track record as an officer of a major high-technology aerospace corporation. Established multidisciplined senior line manager of major Department of Defense, Department of Transportation, FAA programs. Highly competent in and sensitive to all aspects of the workings of the Departments of Defense and Transportation (FAA/Coast Guard) and the marketing of these products Internationally and Domestically in Military and Commercial applications.

Experience:

- Internal and external policy and program issues both domestically and internationally (developed, developing, underdeveloped countries).
- Up to date on social, political, economic and technical developments.
- Participation and understanding of the role of the political process in the Administration and Congress during the acquisition process.
- Excellent presentation and planning skills
- An accomplished speaker
- Participation and understanding of issues related to Arms Control, Disarmament, technology transfer, negotiations, treaties, NATO, USSR, Far East, etc.
- Skilled in resource allocation and sensitive to the utilization of scarce and talented human resources (union and non-union enterprises).
- Excellent track record in meeting cost, schedule, and technical performance and other aspects of the bottom line.
- Thorough knowledge of International customs, companies, joint ventures, divestitures, acquisitions, tenders, etc.; totally bilingual - Spanish and some Italian, French, Portuguese.

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03. Paper	Professional Credentials for Jaime Oaxaca (1 pp.)	nd	(b)(2)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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

JAIME OAXACA
Professional Credentials

-2-

Personal Traits:

- Leader, entrepreneurial, dynamic, assertive, articulate, poised, doer, problem solver, innovative, people sensitive.

Clearance:

- [REDACTED] (b)(2)

1988 - Present Corporate Vice President - Elected Officer of the Northrop Corporation. Responsible for implementation of total quality management process into all elements of the Northrop Corporation.

Tasked with institutionalizing total quality management not only at Northrop, but in the supplier communities. Major goal is to position Northrop to be a prime contender for The Malcolm Baldrige Quality Award.

1987 - 1988 Corporate Vice President - Northrop Corporation
President Wilcox Electric, Inc. - Thomson Corporation of America

President during the very successful divestiture of Wilcox Electric, Inc. by the Northrop Corporation and the acquisition by Thomson Corporation of America a subsidiary of Thomson CSF of Paris, France.

Responsibility for all aspects of divestiture and transition. Activity included all facets of Federal Trade Commission filing (Hart, Scott, Rodino Anti-trust, due diligence, customer transition, detailed depositions, valuation of assets, economic analysis). My responsibility as President also involved introduction of new products into the U. S. market, technical interchange, introduction and briefings to all customers, both domestic and international, and the smooth transferring of the total enterprise to the new owners.

1984 - 1987 Corporate Vice President and President Wilcox Electric, Inc., World's largest producer of ground based navigation systems.

Profit and loss responsibility for the Wilcox Electric Subsidiary. Contract acquisitions of \$52 million in 1985, 580 employees, 320,000 sq. foot facility. Product lines consist of

JAIME OAXACA
Professional Credentials

-3-

precision landing systems, ILS/MLS; enroute systems, VOR/VORTAC; Remote maintenance monitoring systems, Airports, radars; Automated weather observation systems, Installation, Flight test calibration, maintenance of these products domestically and internationally in 113 countries throughout the world. Customers include the FAA, USAF, USN, USA, States, Municipalities, and essentially every country in the world with the recent exception of South Africa and Libya and other State Department sanctioned countries. This division is also utilized for Northrop interdivisional work which is primarily DOD with some being classified. Technologies encompass the following:

R.F. technology, advanced antennas, automatic test and monitoring utilizing latest microprocessors, software including higher order languages, communication switching, advanced displays, hydraulics, latest manufacturing techniques, custom chips.

1979 - 1984

Vice President and Assistant General Manager Northrop Corporation, Electro-Mechanical Division - Anaheim, California. Major responsibility for policy and management of the enterprise as Vice President of Domestic and International marketing and long range planning and profit and loss responsibility as Vice President Program Management.

Contract acquisitions per year \$150 million, 1,800 employees, sales per year of approximately \$100 million. U. S. customers include USAF, USN, US Coast Guard, US Army, US Marine Corps. As a major subcontractor our customers are Lockheed, Raytheon, ITT, McDonnell Douglas, Honeywell and others. Our foreign customers include Saudi Arabia, Israel, Turkey, Greece, Taiwan, Spain, (Iran before the Turmoil), Japan, Australia, Singapore, Korea, Malaysia, Morocco, the NATO consortium - France, Germany, Italy, United Kingdom. Vice President of Division programs. The responsibility for managing these programs covers the whole spectrum from R&D advanced development programs to engineering development, to preproduction, to full-scale production to operation and maintenance. Technologies involved in these programs encompass the following:

State-of-the-art guidance techniques, advanced electro-optical systems - day, day/night FLIR, laser ranging laser designation, laser guidance, advanced avionics for high-performance aircraft such as the F-4, F-14, F-15, F-16,

JAIME OAXACA
Professional Credentials

-4-

F-18, A-10. Advanced visionics for rotary-wing aircraft such as the Coast Guard H-52, the Army's Advanced Attack Helicopter and the Army's Observation Helicopter (OH-58). Pilot's Night Vision Systems for high-performance aircraft and rotary aircraft. Major systems in the area of IFF for Navy ships, Army air defense systems (HAWK), F-14 (TCS), F-4, F-15 (TISEO). State-of-the-art computer techniques utilizing higher order language for automatic video trackers, advanced image processing, fuzing and guidance. State-of-the-art automatic checkout equipment implementation and advanced tactical warhead and other ordnance design and production.

1976 - 1979 Vice President, Missile Systems
 Northrop Corporation, Electro-Mechanical
 Division

Responsible for a \$35 million corporate venture and concept definition phase for the next generation air-to-air missile for high-performance aircraft (F-14, F-15, F-16, F-18) originally the lightweight radar missile (LWRM) now the Advanced Medium-Range Air-to-Air Missile (AMRAAM). Had full responsibility and was appointed by the Chairman of the Board to design the next generation missile that would give the United States new generation of fighter aircraft the "force multiplier" needed to reach parity with the Soviets. Concept had to be marketed at all levels of the government (labs through Congress); joint-ventures were established with NATO countries, MATRA in France, BAE in United Kingdom, full interface had to occur with NATO countries through many NATO Advisory Group meetings. Because of this effort, today the US is developing the missile. Activity leading up to this required detailed knowledge of force structure planning, cruise missile/backfire tactics, operational analysis and system cost of ownership projection and many, many war scenarios.

State-of-the-art technology included advanced strapdown platform guidance techniques, advanced bodylift tail control airframe design, advanced propulsion, pyro-ceram radome design, preferential filtering for end game, advanced adaptive fuzing, advanced high-lethality warhead design and testing, sensitivity to weight, electronic countermeasures, and human factors. Drag consideration for the different high-performance aircraft, design of miniaturized high-power active radars of high resolution, interface with aircraft fire control systems for full integration as a force structure weapons system, full analysis of integrated

JAIME OAXACA
Professional Credentials

-5-

logistics requirements including design-to-unit production cost. Management aspects included bringing together the resources of the total corporation and the many subcontractors to accomplish the effort within cost, schedule and meeting the technical requirements.

1972 - 1976

Manager of Marketing and Planning

Responsible for the acquisition of over \$100 million a year in contracts. Responsible for division resource allocation and the short-and long-range planning activities. During this time we initiated sales of our electro-optical IFF systems to the Middle East and NATO. Because of this, I am very familiar with Iran, Saudi, Israel, Turkey and NATO and how that part of the world operates. I also participated in corporate endeavors in Spain, Mexico, and Latin America as related to foreign sales of the F-5 series of aircraft. Responsibility included the total marketing aspects of a defense contractor - high-level briefings (technical and management), trade show participation, symposia, conferences, brochure generation, foreign license issues, technology transfer issues, commonality and NATO standardization issues, briefings to NATO, GMOD, FMOD, Hellanic Air Force, Italian Air Force, etc. (Full bilingual capability was a great help in culture and language.)

1971 - 1972

Selected competitively by the Corporation (25,000 employees) as the person to go to Stanford University Graduate School of Business on a Sloan Fellowship

1967 - 1971

Program Manager, Target Identification System
Electro-Optical (TISEO)

Full responsibility for developing, marketing, and maintaining this system. Sales to date in this product area are over \$200 million. Program management responsibilities include adherence to cost, schedule and technical performance. As a result of this effort over 1,500 systems are projected to be in the field. My performance on this fixed-price-type development contract resulted in my being selected for a Sloan Fellowship.

JAIME OAXACA
Professional Credentials

-6-

1957 - 1967

Progressed from an Associate Engineer to Senior Engineer to Engineering Supervisor to Engineering Specialist to Project Engineer

During this time I developed a sound and varied technical background. I had responsibility for the checkout equipment for the SNARK computer (the first intercontinental missile - air breathing). I was responsible for the star-tracker for the Skybolt air-launched missile and developed the first transistorized circuits that later became integrated circuits. I was responsible for the star-tracker that positioned the Apollo ships for astronaut re-entry. I was Project Engineer for the airborne lightweight optics system which won the Von Karmen award as the best technical achievement of the year in 1965. This is the system that gave you all the t.v. pictures of your airborne shots of the Gemini and Apollo series of space shots. State-of-the-art stabilization systems, diffraction limited optics, KC-135 Mod. Programs, aircraft integration and flight testing were my responsibility.

Continuing Education

I have continued to keep up-to-date technically - some peripheral courses include:

- Total Quality Management process courses
- Nuclear effects courses
- Law courses
- Tax courses
- Radiation effects courses
- Flight training
- Strategic planning
- Effective management presentations
- Program Management
- Participation in community and government conferences and symposia

JAIME OAXACA
CORPORATE VICE PRESIDENT AND ELECTED OFFICER
NORTHROP CORPORATION
1840 CENTURY PARK
LOS ANGELES, CALIFORNIA 90067

Jaime Oaxaca

Date of Birth: February 20, 1931
Place of Birth: El Paso, Texas

Business Address

Northrop Corporation
Corporate Headquarters
1840 Century Park East
Los Angeles, California 90067
Telephone: (213) 553-6262
(213) 201-3362

Home Address

6658 Locklenna Lane
Rancho Palos Verdes, California 90274
Telephone: (213) 377-3794

Married (32 years)

Wife - Carolina
Sons - Francisco (30); Jorge (25)
Daughter - Elisa (22)

Professional Personal Characteristics

What kind of person am I?

Sound judgement, high integrity
Leader, dynamic, assertive
Articulate, poised
Doer, problem solver, innovative
People sensitive
Multidisciplined
Team player

JAIME OAXACA

-2-

What talents do I offer?

- Exemplary track record - P + L
- Strong technical, marketing, general management experience (financial, manufacturing, program management)
- Totally bilingual - English/Spanish
- Accomplished senior level briefer and accomplished speaker
- Exemplary track record - entrepreneurial through implementation phases (strategic planning, marketing, managing effort)

Who do I interface with?

- Corporations - Chairmen of Boards, Presidents, Senior Management
- Government - Senators/Congressmen (National and State), Senior Congressional Staffers, Secretary and Undersecretary Level, Presidential Appointee Civilians, Project People - Technical and Administrative
- Armed Services - USAF, USN, USA, USMC - Generals, Admirals
- International - Europe, Middle East, Far East, Latin America
- Foreign Corporations - Joint-ventures, licensing, divestitures, acquisitions, technology transfers
- Participation in US/Foreign Committees
- Foreign Sales - UK, France, Germany, Greece, Turkey, Iran, Saudi Arabia, Korea
- 113 countries using Wilcox ground navigation equipment

Biographical Sketch: (Please attach copy below.)

SIMMONS, HOWARD ENSIGN, JR., b Norfolk, Va, June 17, 29; m 51; c 2.
ORGANIC CHEMISTRY. *Educ:* Mass Inst Technol, BS, 51, PhD(org chem), 54. *Prof Exp:* Res chemist, 54-59, res supvr, 59-70, assoc dir res, 70-74, dir res, 74-79, dir, 79-83, VPRES, CENT RES & DEVELOP DEPT, E I DU PONT DE NEMOURS & CO, INC, 83- *Concurrent Pos:* Sloan vis prof, Harvard Univ, 68; Kharasch vis prof, Univ Chicago, 78; adj prof, Univ Del, 70- *Mem:* Nat Acad Sci; fel AAAS; Am Chem Soc; Sigma Xi; Am Acad Arts & Sci. *Res:* Physical organic chemistry; reaction mechanisms; small ring chemistry; theoretical chemistry; chemistry of large molecules. *Mailing Add:* Cent Res & Develop Dept Exp Sta E I du Pont de Nemours & Co Inc Wilmington DE 19898

NOTE: Continue on reverse side if additional space is needed for any category.

12 09 88 10 40 AM 100

BIOGRAPHY FOR SPEAKING ENGAGEMENTS

NAME: The Honorable Jaime Oaxaca

TITLE: Corporate Vice President
Northrop Corporation; Los Angeles, California

EDUCATION: El Paso High School; El Paso, Texas
Graduated January 1949

USN Electronics Materiel School; San Francisco, CA
Graduated May 1952

University of Texas, El Paso
Graduated January 1957

Stanford University, Graduate School of Business, CA
Graduated June 1972

CREDENTIALS: High School Diploma
(Degrees
obtained) Navy Electronics Materiel School Diploma

BSEE, Engineering

Sloan Executive Fellow

AWARDS: Presidential Appointment - Ronald Reagan 1982 -
General Advisory Committee on Arms Control and
Disarmament

Candidate for Secretary of Transportation - 1987

Appointed by President's Science Advisor to co-chair the
Task Force on Women, Minorities, and the Handicapped in
Science and Technology - 1987

Distinguished Fellow of the Institute for the
Advancement of Engineering - 1980

Candidate for Secretary of the Air Force - 1981

Society of Hispanic Professional Engineers - First
recipient of the "Jaime Oaxaca" award for excellence in
Engineering and dedication to the community

Selected by National Science Foundation to review
Science and Technology: A Five-Year Outlook -- A
report from the National Academy of Sciences

Mexican-American Opportunities Foundation - Awarded
the coveted Business and Industry Award

Recipient of the Institute for the Advancement of
Engineering - Outstanding Engineer Merit Award
Nominated for Engineer of the Year Award - National
Academy of Science

EXPERIENCE: Thirty-two (32) years experience in the fields of engineering, engineering management, and program management; director of international and domestic marketing and long range planning; Vice President of Missile Programs and Vice President and Assistant General Manager, Northrop Corporation, Electro-Mechanical Division; and President, Northrop-Wilcox Electric, Inc.; President of Wilcox Electric, Inc. (a wholly owned subsidiary of Thomson Corporation of America); Corporate Vice President/Elected Officer, Northrop Corporation.

ASSOCIATIONS: Past member and past Chairman of the Sloan Advisory Council at Stanford University, Graduate School of Business

Member of the Advisory Council of the International Security Studies Program, The Fletcher School of Law and Diplomacy, Tufts University; Medford, MA

Member of the International Council Committee, Aerospace Industries Association

Member of the Middle East Institute

Member of the President's Corporate Cabinet, Cal Poly University, San Luis Obispo

Member of the Board of Directors, SHPE Foundation (Society of Hispanic Professional Engineers)

Member of the Board of Directors, NACME (National Action Council for Minorities in Engineering, Inc.)

Member of the Mathematical Sciences in the Year 2000 (MS 2000) Oversight Committee for the National Research Council

Member of the National Science Foundation Policy Research and Analysis Committee

Member of the National Science Foundation Science Resources Studies Committee

Past treasurer for "Los Hambriados" (A civic organization - caretaker of an orphanage)

Member of the Association of the United States Army

Member of the American Defense Preparedness Association

Member of the American Institute of Aeronautics and Astronautics

ASSOCIATIONS: Member of the Stanford University Alumni Association
(continued)

Past Chairman of the Board of Directors, MESA
(Mathematics, Engineering, Science Achievement)

Past member of Lt. Gov. Curb's Commission of the
Californias

Past member of the Senator S. I. Hayakawa California
Constituency Council, Los Angeles County

UCI Industry Advisor to MESA Chapter

Member of the University of Texas, El Paso Alumni
Association

Member of Gov. Deukmejian's Advisory Committee to the
Commission of the Californias

Member of the Mexican-American Engineering Society

Member of the Society of Hispanic Professional
Engineers

Assistant General Chairman - WINCON '83

Member of the Kansas City Area Economic Development
Council

Member of Greater Kansas City Chamber of Commerce

Member of VITA (Volunteers in Technical Assistance)

COMMUNITY
AFFAIRS:

Keynote Speaker for:

American Institute for the Advancement of Science

Mexican-American Engineering Society

Sharpe Army Depot - National Hispanic Heritage Week

Youth Motivation Task Force - Orange County

Mathematics, Engineering, Science Achievement (MESA)

Cal State Fullerton - Guest Lecturer -
Marketing/Management

Top Management Seminar - Hispanics at the Corporate
level

Texas Alliance for Minorities in Engineering (TAME)

COMMUNITY
AFFAIRS:
(continued)

Keynote Speaker for:

Incorporated Mexican/American Government Employees (IMAGE)

Personnel Management Association of Atzlan (PMAA)

California Polytechnic Institute - Engineers' Week

NASA - Hugh L. Dryden Flight Research Center - National
Hispanic Heritage Week

Society of Hispanic Professional Engineers (SHPE)

League of United Latin American Citizens (LULAC)

Defense Contract Administration Services Materiel Agency
(DCASMA) Hispanic Week in Los Angeles

Hughes Aircraft Company Management Club

Harvey Mudd College - MESA

Cal State Northridge - MESA

Cal State Los Angeles - MESA

UCLA - MESA/SHPE Chapter

American Institute of Aeronautics and Astronautics

American Society of Public Administrators

Aerospace Corporation Space and Missile Systems
Organization

University of California - MESA Industry Advisor

Mexican-American Opportunities Foundation

Cal State University Long Beach - Minority Engineers

Casa de Hermandad - Jobs Program

Dallas Independent School District Selection of
Leaders

United States Air Force Academy Business and
Minority Enterprises

Rocky Mountain College Placement Association, 34th
Annual Conference

COMMUNITY
AFFAIRS:
(continued)

Amigos de Ser Awards Banquet

Tele-Communications Association 1980 Conference and
Exposition

FAA/NASA Learning through Aviation and Space Education
Conference

MAOF Aztec Awards Banquet 1980, Master of Ceremonies

Speaker - Cal Berkeley Engineering Department

Master of Ceremonies, Mexican American Alumni Association
7th Annual Scholarship Fund Raising Dinner

Master of Ceremonies, SHPE Career Day Luncheon, L.A.
Hilton

Panelist, Labor Panel, Plaza de la Raza Executive Seminar

Speaker on "Contract Management in Perspective",
University of California, Irvine

Hispanic Women's Council, Inc. - Advisory Board

Mexican-American Opportunity Foundation (MAOF)
Board of Directors

Fellow Member - Institute for the Advancement of
Engineering (IAE)

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LOS ANGELES, CALIFORNIA 90067
(213) 201-3362
(213) 553-6262

PROFESSIONAL CREDENTIALS

Summary of Experience - (32 Years in the Aerospace Business -
DOD, DOT)

Exemplary track record as an officer of a major high-technology aerospace corporation. Established multidisciplined senior line manager of major Department of Defense, Department of Transportation, FAA programs. Highly competent in and sensitive to all aspects of the workings of the Departments of Defense and Transportation (FAA/Coast Guard) and the marketing of these products Internationally and Domestically in Military and Commercial applications.

Experience:

- Internal and external policy and program issues both domestically and internationally (developed, developing, underdeveloped countries).
- Up to date on social, political, economic and technical developments.
- Participation and understanding of the role of the political process in the Administration and Congress during the acquisition process.
- Excellent presentation and planning skills
- An accomplished speaker
- Participation and understanding of issues related to Arms Control, Disarmament, technology transfer, negotiations, treaties, NATO, USSR, Far East, etc.
- Skilled in resource allocation and sensitive to the utilization of scarce and talented human resources (union and non-union enterprises).
- Excellent track record in meeting cost, schedule, and technical performance and other aspects of the bottom line.
- Thorough knowledge of International customs, companies, joint ventures, divestitures, acquisitions, tenders, etc.; totally bilingual - Spanish and some Italian, French, Portuguese.

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
04. Paper	Professional Credentials for Jaime Oaxaca (1 pp.)	nd	(b)(2)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
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RESTRICTION CODES

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

P-1 National Security Classified Information [(a)(1) of the PRA]
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C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Removed as a personal record misfile.

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

JAIME OAXACA
Professional Credentials

-2-

Personal Traits:

- Leader, entrepreneurial, dynamic, assertive, articulate, poised, doer, problem solver, innovative, people sensitive.

Clearance:

- [REDACTED] (b)(2)

1988 - Present Corporate Vice President - Elected Officer of the Northrop Corporation. Responsible for implementation of total quality management process into all elements of the Northrop Corporation.

Tasked with institutionalizing total quality management not only at Northrop, but in the supplier communities. Major goal is to position Northrop to be a prime contender for The Malcolm Baldrige Quality Award.

1987 - 1988 Corporate Vice President - Northrop Corporation
President Wilcox Electric, Inc. - Thomson Corporation of America

President during the very successful divestiture of Wilcox Electric, Inc. by the Northrop Corporation and the acquisition by Thomson Corporation of America a subsidiary of Thomson CSF of Paris, France.

Responsibility for all aspects of divestiture and transition. Activity included all facets of Federal Trade Commission filing (Hart, Scott, Rodino Anti-trust, due diligence, customer transition, detailed depositions, valuation of assets, economic analysis). My responsibility as President also involved introduction of new products into the U. S. market, technical interchange, introduction and briefings to all customers, both domestic and international, and the smooth transferring of the total enterprise to the new owners.

1984 - 1987 Corporate Vice President and President Wilcox Electric, Inc., World's largest producer of ground based navigation systems.

Profit and loss responsibility for the Wilcox Electric Subsidiary. Contract acquisitions of \$52 million in 1985, 580 employees, 320,000 sq. foot facility. Product lines consist of

JAIME OAXACA
Professional Credentials

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precision landing systems, ILS/MLS; enroute systems, VOR/VORTAC; Remote maintenance monitoring systems, Airports, radars; Automated weather observation systems, Installation, Flight test calibration, maintenance of these products domestically and internationally in 113 countries throughout the world. Customers include the FAA, USAF, USN, USA, States, Municipalities, and essentially every country in the world with the recent exception of South Africa and Libya and other State Department sanctioned countries. This division is also utilized for Northrop interdivisional work which is primarily DOD with some being classified. Technologies encompass the following:

R.F. technology, advanced antennas, automatic test and monitoring utilizing latest microprocessors, software including higher order languages, communication switching, advanced displays, hydraulics, latest manufacturing techniques, custom chips.

1979 - 1984

Vice President and Assistant General Manager Northrop Corporation, Electro-Mechanical Division - Anaheim, California. Major responsibility for policy and management of the enterprise as Vice President of Domestic and International marketing and long range planning and profit and loss responsibility as Vice President Program Management.

Contract acquisitions per year \$150 million, 1,800 employees, sales per year of approximately \$100 million. U. S. customers include USAF, USN, US Coast Guard, US Army, US Marine Corps. As a major subcontractor our customers are Lockheed, Raytheon, ITT, McDonnell Douglas, Honeywell and others. Our foreign customers include Saudi Arabia, Israel, Turkey, Greece, Taiwan, Spain, (Iran before the Turmoil), Japan, Australia, Singapore, Korea, Malaysia, Morocco, the NATO consortium - France, Germany, Italy, United Kingdom. Vice President of Division programs. The responsibility for managing these programs covers the whole spectrum from R&D advanced development programs to engineering development, to preproduction, to full-scale production to operation and maintenance. Technologies involved in these programs encompass the following:

State-of-the-art guidance techniques, advanced electro-optical systems - day, day/night FLIR, laser ranging laser designation, laser guidance, advanced avionics for high-performance aircraft such as the F-4, F-14, F-15, F-16,

JAIME OAXACA
Professional Credentials

-4-

F-18, A-10. Advanced visionics for rotary-wing aircraft such as the Coast Guard H-52, the Army's Advanced Attack Helicopter and the Army's Observation Helicopter (OH-58). Pilot's Night Vision Systems for high-performance aircraft and rotary aircraft. Major systems in the area of IFF for Navy ships, Army air defense systems (HAWK), F-14 (TCS), F-4, F-15 (TISEO). State-of-the-art computer techniques utilizing higher order language for automatic video trackers, advanced image processing, fuzing and guidance. State-of-the-art automatic checkout equipment implementation and advanced tactical warhead and other ordnance design and production.

1976 - 1979 Vice President, Missile Systems
Northrop Corporation, Electro-Mechanical
Division

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JAIME OAXACA
Professional Credentials

-5-

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Professional Credentials

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- Law courses
- Tax courses
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Jaime Oaxaca

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Home Address

6658 Locklenna Lane
Rancho Palos Verdes, California 90274
Telephone: (213) 377-3794

Married (32 years)

Wife - Carolina
Sons - Francisco (30); Jorge (25)
Daughter - Elisa (22)

Professional Personal Characteristics

What kind of person am I?

Sound judgement, high integrity
Leader, dynamic, assertive
Articulate, poised
Doer, problem solver, innovative
People sensitive
Multidisciplined
Team player

JAIME OAXACA

-2-

What talents do I offer?

Exemplary track record - P + L

Strong technical, marketing, general management experience
(financial, manufacturing, program management)

Totally bilingual - English/Spanish

Accomplished senior level briefer and accomplished speaker

Exemplary track record - entrepreneurial through implementa-
tion phases (strategic planning, marketing, managing effort)

Who do I interface with?

Corporations - Chairmen of Boards, Presidents, Senior
Management

Government - Senators/Congressmen (National and State),
Senior Congressional Staffers, Secretary
and Undersecretary Level, Presidential
Appointee Civilians, Project People -
Technical and Administrative

Armed Services - USAF, USN, USA, USMC - Generals, Admirals

International - Europe, Middle East, Far East, Latin
America

Foreign Corporations - Joint-ventures,
licensing, divestitures, acquisitions,
technology transfers

Participation in US/Foreign Committees

Foreign Sales - UK, France, Germany,
Greece, Turkey, Iran, Saudi Arabia, Korea

113 countries using Wilcox ground
navigation equipment

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
05. Paper	Biography (20 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
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 (b)(9) Release would disclose geological or geophysical information

[REDACTED]

(b)(6)

EDUCATION:

[REDACTED]

POLITICAL EXPERIENCE:

Volunteer, George Bush for President, 1987-88.

* [REDACTED]

* [REDACTED]

* [REDACTED]

* [REDACTED]

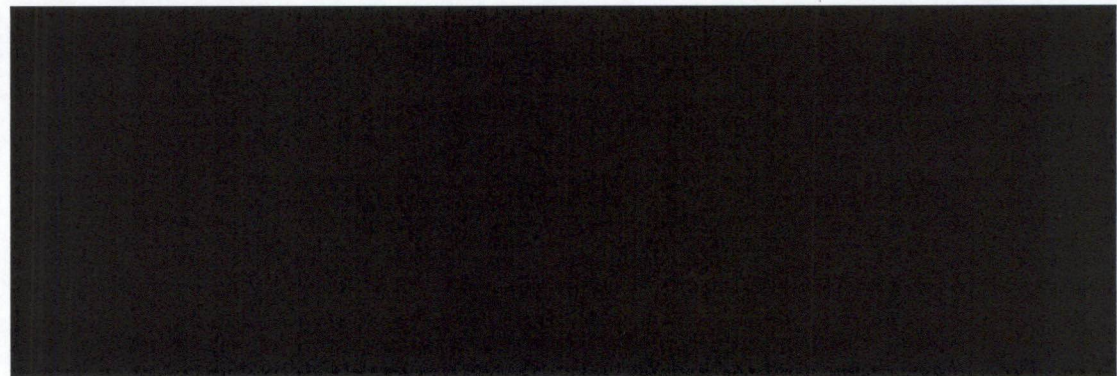
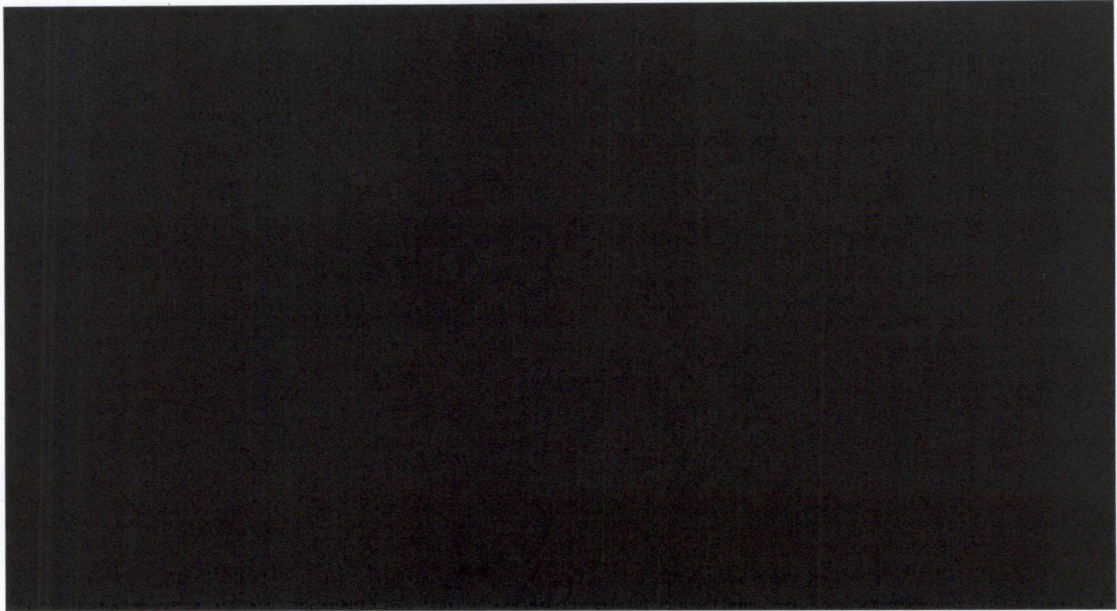
PROFESSIONAL EXPERIENCE:

Current Position:

[REDACTED]

Previous Positions:

(b)(6)



Temporary and Part-time Positions:



(b)(6)

[REDACTED]

Consulting:

[REDACTED]

Other:

[REDACTED]

HONORARY AND PROFESSIONAL SOCIETIES:

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

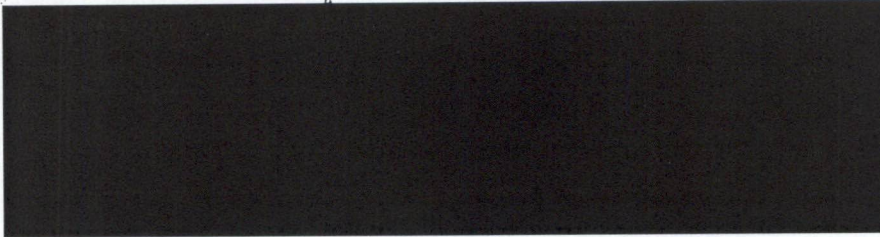
[REDACTED]

[REDACTED]

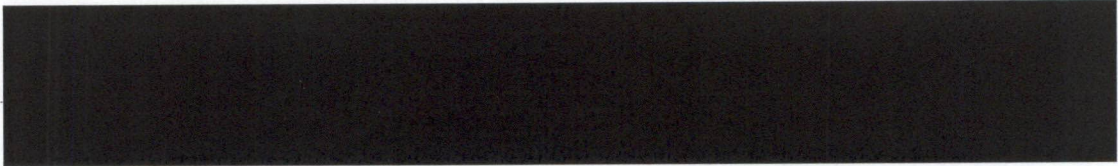
[REDACTED]

PROFESSIONAL LISTINGS:

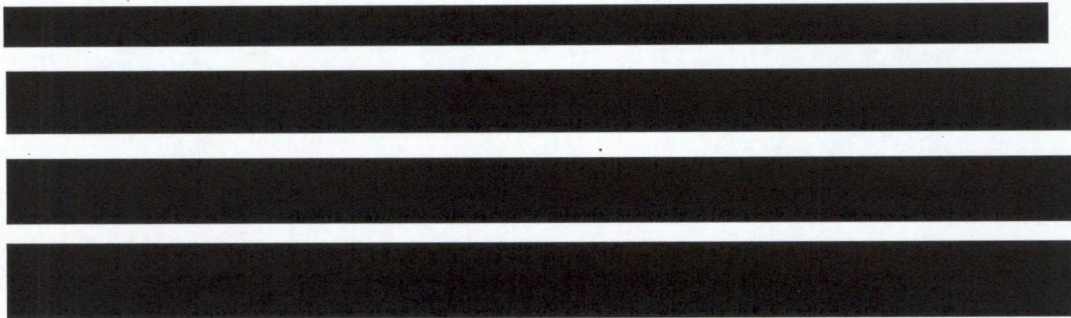
(b)(6)



EDITORIAL BOARDS:



HONORS AND AWARDS:



(b)(6)

(b)(6)

SEMINARS AND SPECIAL LECTURES:

Invited Papers:

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b)(6)

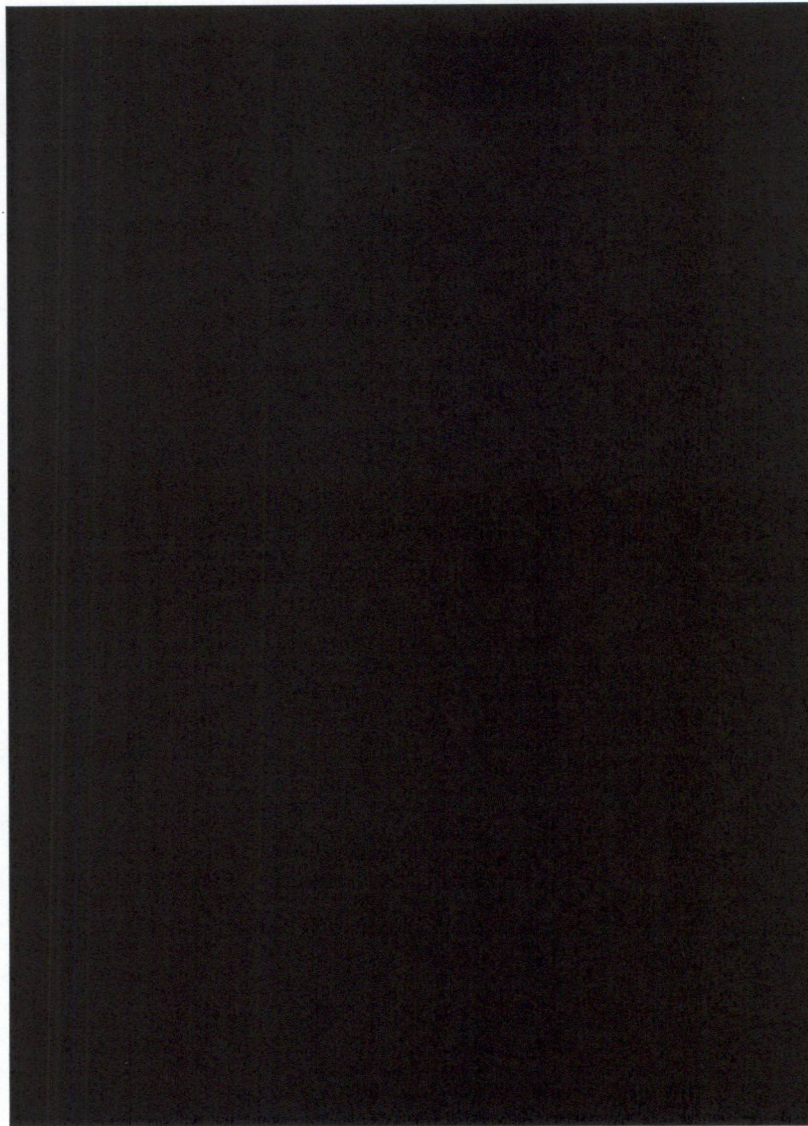
[REDACTED]

Industrial Lectures Presented:

[REDACTED]

Academic Lectures Presented to:

(b)(6)



Presentations to Professional Associations:



A series of horizontal black bars of varying lengths, stacked vertically, resembling a barcode or a stylized text representation. The bars are solid black and are separated by thin white gaps. The overall shape is rectangular, with the bars extending across most of the width of the image.

A series of horizontal black bars of varying lengths, stacked vertically, resembling a barcode or a stylized text representation. The bars are solid black and are separated by thin white gaps. The overall shape is rectangular, with the bars extending across most of the width of the image.

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

POSTDOCTORAL RESEARCH DIRECTED:

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

RESEARCH GRANTS AND CONTRACTS:

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b)(6)

[REDACTED]

[REDACTED]

RESEARCH PUBLICATIONS:

(b)(6)

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 

(b)(6)

15.

[REDACTED]

16.

[REDACTED]

17.

[REDACTED]

18.

[REDACTED]

19.

[REDACTED]

20.

[REDACTED]

21.

[REDACTED]

22.

[REDACTED]

23.

[REDACTED]

24.

[REDACTED]

25.

[REDACTED]

(b)(6)

26.

[REDACTED]

27.

[REDACTED]

28.

[REDACTED]

29.

[REDACTED]

30.

[REDACTED]

31.

[REDACTED]

32.

[REDACTED]

33.

[REDACTED]

34.

[REDACTED]

35.

[REDACTED]

36.

[REDACTED]

(b)(6)

37.

[REDACTED]

38.

[REDACTED]

39.

[REDACTED]

40.

[REDACTED]

41.

[REDACTED]

MISCELLANEOUS PUBLICATIONS:

1.

[REDACTED]

2.

[REDACTED]

3.

[REDACTED]

4.

[REDACTED]

5.

[REDACTED]

6.

[REDACTED]

(b)(6)

7.

[REDACTED]

8.

[REDACTED]

9.

[REDACTED]

10.

[REDACTED]

11.

[REDACTED]

12.

[REDACTED]

13.

[REDACTED]

14.

[REDACTED]

15.

[REDACTED]

16.

[REDACTED]

17.

[REDACTED]

SPECIAL RESEARCH PROJECTS:

(b)(6)

1.

[REDACTED]

2.

[REDACTED]

3.

[REDACTED]

PATENTS:

1.

[REDACTED]

2.

[REDACTED]

3.

[REDACTED]

4.

[REDACTED]

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
06. Paper	Biography (1 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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

[REDACTED]

(b)(6)

COMMUNITY COLLEGE LEADERSHIP

[REDACTED]

[REDACTED]

[REDACTED]

EDUCATION

[REDACTED]

WORK EXPERIENCE

[REDACTED]

OTHER VOLUNTEER SERVICE OVER THE YEARS

[REDACTED]

PERSONAL

[REDACTED]

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
07a. Paper	Biographical Sketch (1 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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

BIOGRAPHICAL SKETCH

Home:

[REDACTED]

[REDACTED]

(b)(6)

Office:

[REDACTED]

[REDACTED]

PROFESSIONAL EXPERIENCE

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Other:

[REDACTED]

Born:

[REDACTED]

Education:

[REDACTED]

Military:

[REDACTED]

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
07b. Paper	Biographical Information (1 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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

referred by

[REDACTED]
Biographical Information

(b)(6)

[REDACTED]

[REDACTED]

[REDACTED]

THE WHITE HOUSE

WASHINGTON

May 7, 1990

I am delighted to send my warmest greetings to all those gathered for the National Science Board's 40th annual dinner.

Established as the premier Federal agency charged with supporting basic research and education in science and engineering, the Foundation's record of accomplishment over the last four decades amply proves the wisdom of its creation as proposed by Vannevar Bush and carried into action by Alan Waterman.

Our nation depends heavily on the National Science Foundation and on the many individual students and researchers you support in our colleges and universities. Their efforts are vital to developing the new technologies that will help the United States remain a leader in a rapidly changing global marketplace. My Administration has recognized this by seeking to double the NSF budget and by making excellence in mathematics and science education a national goal for our students and educators. The efforts of the National Science Board and the staff of the Foundation are critically important to achieving our Nation's goals in science and technology. I salute you all for your dedication and hard work.

I also commend the three outstanding Americans you honor tonight with the NSF Distinguished Public Service Award: Congressman George Brown, former Congressman Emilio Daddario, and John Young. Congratulations also to this year's recipient of the Alan T. Waterman Award, Dr. Mark Davis. All have made important contributions to advancing American science and engineering.

Barbara joins me in sending best wishes for an enjoyable dinner and productive meeting. God bless you.

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

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
08a. Letter	Allan [Bromley] to Chase Untermeyer RE: enclosed information on women nominees (1 pp.)	5/15/90	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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]
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P-5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P-6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

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

PRM. Removed as a personal record misfile.

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

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

THE WHITE HOUSE
WASHINGTON

May 15, 1990

Mr. Chas. Untermeyer:
Dear Chas:

Herewith some further info
on the women named also
for the National Science Board
whom we discussed in
our recent telephone conversation
as possible replacements for
Fred Buey. I would rank
(b)(6) first but both are
qualified.

Sincerely
Alan

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
08b. Paper	Biography (1 pp.)	nd	(b)(6)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: Alphabetical Subject Files
WHORM Cat.:
File Location: Boards - National Science Foundation

Date Closed:	10/20/2009	OA/ID Number:	08715
FOIA/SYS Case #:	2005-0332-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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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

(b)(6)

LATEST AVAILABLE

Am. Men & Women
17th ed.

FOX, MARYE ANNE, b Canton, Ohio, Dec 9, 47; m 69; c 3. **ORGANIC CHEMISTRY, PHYSICAL CHEMISTRY.** Educ: Notre Dame Col, BS, 69; Cleveland State Univ, MS, 70; Dartmouth Col, PhD(org chem), 74. *Prof Exp:* Instr phys sci, Cuyahoga Community Col, 70-71; fel & res assoc chem, Univ Md, College Park, 74-76; from asst prof to assoc prof, 76-85, prof chem, 85-87, **PROF ROWLAND PETTIT CENTENNIAL, UNIV TEX, 87.** *Concurrent Pos:* Alfred P Sloan res fel, 78; mem adv panel, Army Basic Res Comt, 85-87; assoc ed, J Am Chem Soc, 86-; dir, Ctr for Fast Kinetics Res. *Mem:* Am Chem Soc; Interam Photochem Soc; Europ Photochem Soc; Electrochem Soc; Am Soc Photobiol. *Res:* Organic photochemistry; electrochemistry; physical organic mechanisms. *Mailing Add:* Dept Chem Univ Tex Austin TX 78712