

THE WHITE HOUSE
WASHINGTON

CLOSE HOLD

November 10, 1993

John Podesta
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file
PCAST

MEMORANDUM FOR THE VICE PRESIDENT

FROM: JACK GIBBONS *AG*

SUBJECT: CANDIDATE LIST FOR THE PRESIDENT'S COMMITTEE OF ADVISORS
ON SCIENCE AND TECHNOLOGY (PCAST)

On September 9, 1993, the President approved establishing the President's Committee of Advisors on Science and Technology (PCAST) by Executive Order. The Executive Order has cleared the OMB and Justice Department review processes and is now in the Staff Secretary's office.

Since mid-September we have reached out to a number of key organizations and individuals to solicit suggestions for PCAST membership. Groups and individuals contacted included the National Science Board, the Council on Competitiveness, the National Academies of Science and Engineering, the Institute of Medicine, the incoming directors of the National Science Foundation and the National Institutes of Health, and a several Nobel Laureates. We also drew from the Council of Scientists and Engineers for Clinton/Gore.

The list of potential candidates neared 200 names, and we have screened this number to 29 using the following criteria: record of achievement, standing among peers, potential contribution to Administration goals and requirements, and diversity factors such as gender, age, ethnic background and geographical location. Within this list, we have identified 15 individuals who collectively, we believe, meet the needs of the President and the National Science and Technology Council, whom they will serve.

This list should be viewed as a work in progress, but I would like to work closely with you to bring it quickly to closure. I revised an earlier draft based on our October 29 meeting. The present draft could be improved by further work on balance and diversity of representation, but there are no win-win trade-offs. If, for instance, we substituted Ayala for Sharp, we would improve ethnic diversity, but we would lose a prominent, young Nobel.

The 29 names on the attached list can be sorted as follows:

Gender

8 female
21 male

Age

6 over 60
15 in 50s
8 in 40s

Ethnicity

2 African Americans
1 Asian American
3 Hispanic
23 Caucasian

Affiliation

4 industry
19 university
6 other (foundations, etc.)

I have attached one-page bio's for these 29 candidates and the membership of the Council of Scientists and Engineers for Clinton/Gore, as well.

strict national standards in math and science education; transfer at least \$7 billion from defense-related research to civilian research on critical technologies; and urge federal laboratories to devote 10% to 20% of their budgets to collaborative research with industry.

Some elements of the new Administration's technology policy, however, may surprise scientists who thought the Bush Administration was already going too far in emphasizing applied research. In particular, Clinton has said he would double the Small Business Innovation Research (SBIR) program—a government-wide program that is currently funded by a legal requirement that research agencies set aside 1.25% of their R&D budgets for small businesses. Clinton's technology plan also suggests that the White House might try to roll back some regulations that private industry finds troubling. For example, Clinton's statement criticized federal sunshine laws that "prompt premature disclosure of information that is essential to U.S. long-term competitiveness by forcing open meetings and giving foreign competitors immediate access to sensitive material" and conflict of interest regulations that "inhibit the participation of knowledgeable private-sector individuals in government discussions" of U.S. competitiveness.

White House science mechanics

Clinton announced on 21 September that he would make Vice President-elect Al Gore his point man on science and technology issues—a role that would give the vice president an unusually powerful role in domestic issues. In response to questions posed by *Science* in October, Clinton said, "I will give Vice President Al Gore the responsibility and authority to coordinate our overall technology, and by extension science, policy across all government agencies" (*Science*, 16 October, p. 493). That raises the question of what role the president's science adviser will play in the Clinton Administration.

Aides insist that Gore won't usurp the role of science adviser—a post they say will go to a scientist with research experience—and Clinton has promised that the position will be at the level of assistant to the president. "The science adviser will make sure the policy is in order" and "Gore will make sure that it's useful," says one aide. The adviser will retain authority over federal research agencies, but Gore will be charged with "turn-

They Backed the Winning Team

Shortly before the election, a Council of Scientists and Engineers for Clinton/Gore was announced by the Clinton campaign. The council hopes to have some input into the transition (see main story). No equivalent body was put together for the Bush campaign.

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|---|---|
| Philip W. Anderson
Princeton University | John J. Hopfield
California Institute of Technology |
| Fred C. Anson
California Institute of Technology | Donald F. Hornig
Harvard School of Public Health |
| Richard C. Atkinson
Chancellor, University of California,
San Diego | Leon Lederman
Fermi National Laboratory |
| Francisco Ayala
University of California, Irvine | Yuan T. Lee
University of California, Berkeley |
| John N. Bahcall
Institute for Advanced Study | Francis E. Low
Massachusetts Institute of Technology |
| Jacqueline Barton
California Institute of Technology | Gordon J. F. MacDonald
University of California, San Diego |
| Paul Berg
Stanford Medical Center | Shirley Malcom
American Association for the Advancement
of Science |
| Lewis M. Branscomb
John F. Kennedy School of Government | Mario J. Molina
Massachusetts Institute of Technology |
| Harold Brown
Center for Strategic & International Studies | Earl Murman
Massachusetts Institute of Technology |
| George Bugliarello
President
New York Polytechnic University | Arno A. Penzias
AT&T Bell Laboratories |
| George C. Campbell Jr.
President, National Action Council for
Minority Engineers | William Perry
Technological Strategies & Alliances |
| Kenneth M. Case
Rockefeller University | Ben Rich
Lockheed Corp. |
| Jewell Plummer Cobb
California State University, Los Angeles | Sally Ride
University of California, San Diego |
| Robert Conn
University of California, Los Angeles | Harold Rosen
Hughes Aircraft |
| James Cronin
Fermi National Laboratory | Walter Rosenblith
Massachusetts Institute of Technology |
| Peter B. Dervan
California Institute of Technology | Marshall N. Rosenbluth
University of California, San Diego |
| John Deutch
Massachusetts Institute of Technology | F. Sherwood Rowland
University of California, Irvine |
| Sidney D. Drell
Stanford Linear Accelerator | John Rubel
Litton Industries |
| Paul R. Ehrlich
Stanford University | Carl Sagan
Cornell University |
| David Eisenberg
University of California, Los Angeles | Stephen H. Schneider
Stanford University |
| Mostafa A. El-Sayed
University of California, Los Angeles | J. Robert Schrieffer
Florida State University |
| Mary K. Gaillard
University of California, Berkeley | Lucy Shapiro
Stanford Medical Center |
| Ted Geballe
Stanford University | Melvin I. Simon
California Institute of Technology |
| Murray Gell-Mann
California Institute of Technology | Timothy Springer
Harvard Medical School |
| Robert N. Ginsburg
University of Miami | Charles H. Townes
University of California, Berkeley |
| Marvin L. Goldberger
University of California, Los Angeles | Harold E. Varmus
University of California, San Francisco |
| Kurt Gottfried
Cornell University | Warren Washington
National Center for Atmospheric Research |
| David J. Gross
University of California, Berkeley | Steven Weinberg
University of Texas |
| Wesley Harris
University of Tennessee | Albert D. Wheelon
Hughes Aircraft |
| Christopher Harrison
University of Miami | Sheila Widnall
Massachusetts Institute of Technology |
| Dudley Herschbach
Harvard University | Jerome B. Wiesner
Massachusetts Institute of Technology |
| John P. Holdren
University of California, Berkeley | Frank Wilczek
Institute for Advanced Study |
| Leroy Hood
University of Washington | Clifford Wing
Duke University |
| | Herbert York
University of California, San Diego |

SPECIAL NEWS SECTION

A special news report on minorities in science begins on page 1175. The news section that begins on page 1076 combines News & Comment and Research News.

Candidates for PCAST Membership

DRAFT

Name	Organization	Main Discipline	Ethn	Age	Gen	Geo	OSTP suggestion		Industry	University	Other
Augustine, Norman	CEO, Martin Marietta	aerospace	C	58	m	MD	X				
Ayala, Francisco *	UC Irvine	genetics	H	59	m	CA			Weldon, Virginia V.	Ayala, Francisco	
Banks, Darryl	WRI	environmental technology	AF	43	m	DC				Barton, Jacqueline K.	
Barton, Jacqueline *	CalTech	chemistry	C	41	f	CA				Cole, Johnetta B.	
Celeste, Richard	former governor Ohio	state government, s&t	C	56	m	OH	X			Fox, Mary Anne	
Cole, Johnetta B.	President, Spelman College	anthropology	AF	56	f	GA	X	Science		Gell-Mann, Murray	
Fox, Marye Anne	UT Austin	chemistry	C	45	f	TX				Ibanez, Manuel Luiz	
Frieman, Ed	Dir. Scripps Institute of Oceanog.	physics	C	53	m	CA				Rodin, Judith	
Gell-Mann, Murray *	CalTech		C	64	m	CA	X			Shapiro, Harold	
Hamburg, David	Pres. Carnegie Corp.	psychiatry	C	68	m	NY					
Holdren, John *	UC-Berkeley		C	49	m	CA	X			Sharp, Phillip	
Ibanez, Manuel Luiz	Pres. Texas A&I	biochemistry	H	58	m	TX					
Molina, Mario *	MIT	atmospheric chemistry	H	50	m	MA	X			Tien, Chang-Lin	
Petrauskas, Helen	Ford Motor Company	environmental science	C	48	f	MI	X			White, John A.	
Raven, Peter	Missouri Botanical Gardens	biodiversity	C	57	m	MO	X			Wilkening, Laurel	
Ride, Sally *	UC San Diego	physics	C	42	f	CA	X	Space /	Augustine, Norman		Steinbruner, John
Rodin, Judith	Provost, Yale	psychology	C	49	f	CT	X	Defense		Ride, Sally	Zraket, Charles
Rowland, Sherwood *	U C Irvine	environment	C	66	m	CA				Holdren, John	
Shapiro, Harold	Pres, Princeton	economics	C	58	m	NJ			Petrauskas, Helen		Banks, Darryl
Sharp, Phillip	MIT	molecular biology (Nobelist)	C	51	m	MA	X	Environment		Frieman, Ed	Raven, Peter
Steinbruner, John	Brookings Institution	foreign policy	C	52	m	DC				Rowland, Sherwood	
Tien, Chang-Lin	Chancellor, UC Berkeley	mech eng	AA	58	m	CA				Molina, Mario	
Vest, Charles M.	President MIT	engineering	C	52	m	MA	X	Technology	Young, John		
Weldon, Virginia V.	VP Public Policy, Monsanto	endocrinology	C	58	f	MO	X			Vest, Charles M.	
White, John A. **	Dean Eng., Georgia Tech	engineering	C	53	m	GA		Generalists			Celeste, Richard
White, Gilbert	University of Colorado	geographer	C	82	m	CO				White, Gilbert	Hamburg, David
Wilkening, Laurel	Chancellor, UC-Irvine	planetary science	C	49	f	CA					
Young, John	former CEO of Hewlett-Packard	electronics	C	61	m	CA	X				
Zraket, Charles	former MITRE president	engineering	C	69	m	MA	X				

LEGEND:

Organization:	Current affiliation	* Member, Council of Scientists and Engineers for Clinton/Gore
Industry:	Industry affiliation	
University:	University affiliation	** Recommend that White be nominated by the President to the National
Other:	Other affiliations (e.g. foundations, institutions, state government)	Science Board, an appointment I believe he has mentioned to the President
Main Discipline:	Principal field of expertise/experience	
Ethn:	Ethnic Origins:	
	AF = African American	
	AA = Asian American	
	H = Hispanic	
Age:	Age in years	
Gen:	Gender	
Geo:	Current geographical region	