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EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

FROM: Nat'l Academy of Sciences  
Frank Press

DATED: September 27, 1985

SUBJECT:

Invite to Dr. Keyworth to attend Dr. Samuel Their's Inauguration as the new president of the Institute of Medicine. The pre-inaugural dinner will be at the Academy October 15 with a reception beginning at 6:30 pm and dinner to follow at 7:00 pm.

RECEIVED: September 30, 1985

ACTION BY: Executive Director /dlw

ACTION COPY TO: Lynch

INFORMATION COPIES TO: Abell

*Decline & out of town*

SUSPENSE DATE: October 7, 1985

**EXPEDITE**

REMARKS: FOR APPROPRIATE ACTION

Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy.

- ( ) Written correspondence.
- ( / ) Telecon. *decline 10/4/85. S. Setzer*
- ( ) Action transferred to \_\_\_\_\_.
- ( ) No action necessary.
- ( ) Other.

*File NAS*

# NATIONAL ACADEMY OF SCIENCES

2101 CONSTITUTION AVENUE WASHINGTON, D. C. 20418

OFFICE OF THE PRESIDENT

September 27, 1985

The Honorable G.A. Keyworth, II, Ph.D.  
Science Advisor to the President  
and Director, Office of Science and  
Technology Policy  
Executive Office of the President  
Washington, D.C. 20500

Dear Jay:

I am pleased to inform you that the new president of the Institute of Medicine will be Samuel O. Thier, M.D., Sterling Professor and chairman of the Department of Internal Medicine at Yale. Dr. Thier, also currently chief of medical service at Yale-New Haven Hospital, will succeed Institute president Frederick C. Robbins, M.D., whose five-year term began at the Institute's annual meeting in 1980.

Dr. Thier's appointment soon will be announced publicly. His inauguration is scheduled during the Institute's annual meeting October 16 and 17. I would like to invite you to join us for a pre-inaugural dinner at the Academy the evening of October 15 to meet Dr. Thier and to welcome him to his new position. The evening will begin with a reception at 6:30 in the Lecture Room. Dinner will follow at 7:00 p.m. in the Great Hall.

The fifth president of the Institute of Medicine will bring to the task a rich clinical background, wide experience in research, and a strong familiarity with health care management and health economics. He was a clinical associate at the National Institutes of Health from 1962-64 and from 1980-84 was a member of the NIH Director's Advisory Committee.

September 27, 1985  
Page Two

Dr. Thier went to Yale in 1975 after a series of medical faculty appointments at the University of Pennsylvania and, earlier, Harvard. He has been president of the American Federation for Clinical Research, chairman of the American Board of Internal Medicine, and a member of numerous other professional and scientific societies. He was elected to membership in the Institute of Medicine in 1978.

I believe that the appointment of Dr. Thier to the Institute presidency ensures a particularly capable leader of that organization in a period of the greatest imaginable change in the organization of the nation's health care system and most far-reaching advances in the health sciences. Issues of medical care, research, and education are the principal purview of the Institute of Medicine in its examination of the most critical matters pertaining to the health of the public. I am certain that you will welcome Dr. Thier's appointment, and hope that you will join us for dinner on October 15. Please respond to this invitation by calling Ms. Fran Shaw at (202) 334-3469.

Yours sincerely,

  
Frank Press  
President

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

FROM: Institute of Medicine  
DATED: September 1985

SUBJECT: Invite to Dr. Keyworth at a reception in honor of the members of the Institute of Medicine on Wednesday, October 16, 1985, 5:45-7:30 pm.

RECEIVED: September 26, 1985  
ACTION BY: Executive Director/dlw

ACTION COPY TO: Lynch

INFORMATION COPIES TO: Abell *Decline*

SUSPENSE DATE: October 20, 1985

REMARKS: FOR APPROPRIATE ACTION  
Please indicate action taken below and include date of action.  
If written correspondence was sent, please attach a copy.  
  
( ) Written correspondence.  
(X) Telecon. *Declined 10/10/85*  
( ) Action transferred to \_\_\_\_\_  
( ) No action necessary.  
( ) Other

*File NAS*

INSTITUTE OF MEDICINE  
NATIONAL ACADEMY OF SCIENCES  
2101 CONSTITUTION AVENUE WASHINGTON, D. C. 20418

Dr. Frederick C. Robbins

and the

Council of the Institute of Medicine  
request the pleasure of the company of

*Dr. George A. Keyworth*

at a reception

in honor of the members of the

Institute of Medicine

on Wednesday, October sixteenth  
nineteen hundred and eighty-five

from 5:45 to 7:30 o'clock

The Great Hall

National Academy of Sciences

R.S.V.P.

Marie Rogowski  
(202) 334-2174

RECEIVED

85 SEP 26 P 2: 52

MAIL ROOM

  
**BUSINESS REPLY MAIL**

FIRST CLASS PERMIT NO. 10207 WASHINGTON, D.C.

*Postage will be paid by*

Jana Surdi  
INSTITUTE OF MEDICINE  
2101 Constitution Avenue, N.W.  
Washington, D.C. 20418

ANNUAL MEETING

#### IV. OVERVIEW, CONCLUSIONS AND NEW DIRECTIONS

4:45 p.m. June E. Osborn, M.D.  
*Dean, School of Public Health, University of Michigan*

5:15 p.m. DISCUSSION

5:45 p.m. ADJOURNMENT

#### GENERAL INFORMATION

Attendance is open without charge to the public. Seating space is limited, however, and can only be assured for advance registrants. Complete and mail the attached form.

The meeting will be held in the auditorium of the National Academy of Sciences. The entrance is from the south side of the 2100 block of C Street, N.W.

Badges will be issued to all members of the audience at registration desks on the mezzanine of the auditorium lobby, inside the C Street entrance.

Parking for the public is NOT available at the Academy building.

Luncheon facilities also will not be available. The cafeteria of the State Department, across C Street from the Academy, is open to federal employees upon presentation of their identification cards. The cafeteria of the Office of Personnel Management, 1900 E Street, N.W., is open to the public. There are two restaurants within three blocks of the Academy.

Messages for members of the audience will be received at 202/334-2283 and posted on a bulletin board outside the auditorium. It is not possible to page participants.

Telephones are available in the C Street lobby and mezzanine.

Further information may be obtained by phone at 202/334-2174, or write

Jana Surdi  
Institute of Medicine  
2101 Constitution Avenue, N.W.  
Washington, D.C. 20418

# MOBILIZING AGAINST AIDS: THE UNFINISHED STORY OF A VIRUS

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Annual Meeting  
October 16  
1985

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Institute  
of  
Medicine

NATIONAL ACADEMY OF SCIENCES  
WASHINGTON, D.C.



The Institute of Medicine was chartered in 1970 by the National Academy of Sciences to enlist distinguished members of appropriate professions in the examination of policy matters pertaining to the health of the public. In this, the Institute acts under both the Academy's 1863 congressional charter responsibility to be an adviser to the federal government, and its own initiative in identifying issues in health care, research, and education.

The 1985 Annual Meeting is dedicated to the fourth president of the Institute of Medicine, Frederick C. Robbins, M.D.

## PROGRAM

WEDNESDAY, OCTOBER 16, 1985

8:00 a.m. REGISTRATION

9:00 a.m. Frederick C. Robbins, M.D.  
*President, Institute of Medicine*  
Welcome

9:05 a.m. Philip Leder, M.D., Chairman of the Meeting  
*John Emory Andrus Professor and Chairman*  
*Department of Genetics, Harvard Medical School*  
Introduction and Hopes for the Day

### I. SCIENTIFIC ADVANCES

9:15 a.m. Anthony S. Fauci, M.D.  
*Director, National Institute of Allergy and Infectious Diseases, NIH*  
Clinical Spectrum and Immunopathogenesis of AIDS

9:45 a.m. Robert C. Gallo, M.D.  
*Chief, Laboratory of Tumor Cell Biology, National Cancer Institute, NIH*  
Virology and Molecular Biology of AIDS

10:15 a.m. COFFEE BREAK

10:45 a.m. James W. Curran, M.D.  
*Chief, AIDS Branch, Division of Viral Diseases*  
*Center for Infectious Disease, CDC*  
Epidemiology of AIDS

11:15 a.m. Discussants: Research Agenda for the Future  
Richard T. Johnson, M.D.  
*Dwight D. Eisenhower Professor of Neurology and*  
*Professor of Microbiology, Johns Hopkins*  
*University School of Medicine*

Luc Montagnier, M.D.  
*Head, Viral Oncology Unit, Institut Pasteur, Paris*

### II. IMPLICATIONS FOR PREVENTION AND TREATMENT

11:35 a.m. Mervyn F. Silverman, M.D., M.P.H.  
*Consultant and Former Director of Health, San Francisco, CA*  
Public Health Issues

12:05 a.m. DISCUSSION

12:30 p.m. MID-DAY RECESS

2:00 p.m. Shervert Frazier, M.D.  
*Director, National Institute of Mental Health,*  
*ADAMHA*  
Psychosocial Aspects of AIDS

2:30 p.m. Discussant: Public Health Issues and Psychosocial Issues  
Brett J. Cassens, M.D.  
*Immediate Past President, American Association of Physicians for Human Rights*

### III. POLICY ISSUES

2:50 p.m. Lewellys F. Barker, M.D.  
*Senior Vice President, American Red Cross*  
Protecting the Blood Supply

3:15 p.m. COFFEE BREAK

3:45 p.m. Philip R. Lee, M.D.  
*Director, Institute for Health Policy Studies,*  
*University of California, San Francisco*  
Resources for Patient Care and Research

4:15 p.m. Discussant: Ethical Issues  
Ronald Bayer, Ph.D.  
*Associate for Policy Studies, The Hastings Center*

Name—Please print or type

Affiliation

Address

City

Phone

Zip

State

I plan to attend the  
ANNUAL MEETING of the  
INSTITUTE OF MEDICINE  
on

Wednesday, October 16, 1985

(Advance registrants will have a prior claim on the limited public seating in the

**EXECUTIVE OFFICE OF THE PRESIDENT**

**OFFICE OF SCIENCE AND TECHNOLOGY POLICY**

<b>FROM:</b> National Academy of Sciences	<b>DATED:</b> October 1985
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**SUBJECT:**

Invite to Dr. and Mrs. Keyworth to attend a seminar and dinner in honor of Han Xu, the Ambassador of the People's Republic of China. Event will be Tuesday, December 17, 1985 at the National Academy of Sciences.

<b>RECEIVED:</b> October 22, 1985	<b>ACTION BY:</b> Executive Director/dlw
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**ACTION COPY TO:**

Lynch *J*

**INFORMATION COPIES TO:**

Abell

**SUSPENSE DATE:**

November 11, 1985

**REMARKS:** FOR APPROPRIATE ACTION

Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy.

Written correspondence. *Declined by enclosed form*

Telecon.

Action transferred to \_\_\_\_\_.

No action necessary.

Other.

*File NAs*

*In Honor of His Excellency,  
The Ambassador of the People's Republic of China,  
HAN XU*

DR. FRANK PRESS  
*President, National Academy of Sciences*

*is pleased to invite you to*

*A Seminar and Dinner*

*Tuesday, December 17, 1985*

*National Academy of Sciences  
2101 Constitution Avenue, NW  
Washington, D.C.*

Please respond by enclosed  
card or telephone (202) 334-2775

85 OCT 22 P 1: 17

MAIL ROOM

NATIONAL ACADEMY OF SCIENCES

**Seminar on China's Reforms:  
Implications for U.S.-China Relations**

**Lecture Room**

2:30 p.m. **Welcome**

FRANK PRESS, *President, National Academy of Sciences*

2:45 **China's Reforms**

Socialism with Chinese Characteristics: The Scope of China's Reforms

HARRY HARDING, *Senior Fellow Brookings Institution*

The Intellectual Open Door

FREDERIC E. WAKEMAN, JR., *Professor of History, The University of California, Berkeley*

Market Socialism: Economy and Trade

ROGER SULLIVAN, *Director, National Council for U.S.-China Trade*

4:00 **Implications for U.S.-China Cooperation: The American Perspective**  
Technology and Trade

WILLIAM SPENCER, *Vice President and Manager, Xerox Palo Alto Research Center*

Education: American Universities and Chinese Students

DAVID M. LAMPTON, *Professor of Political Science, Ohio State University*

The Role of Private Foundations

KENNETH PREWITT, *Vice President, The Rockefeller Foundation*

5:00 **The Global Context**

Perspectives From the World Bank Experience

CAIO KOCH-WESER, *Chief, China Division, The World Bank*

Political Relations

AMBASSADOR ARTHUR HUMMEL

6:30 **Reception**

7:00 **Dinner, The Great Hall**

7:30 **Implications for U.S.-China Cooperation: The Chinese Perspective**

AMBASSADOR HAN XU

EXECUTIVE OFFICE OF THE PRESIDENT

OFFICE OF SCIENCE AND TECHNOLOGY POLICY

<b>FROM</b> National Academy of Sciences Frank Press	<b>DATED</b> November 6, 1985
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**SUBJECT:**  
  
Thanking Dr. Keyworth for securing the letter from President Reagan to Arnold Beckman.

<b>RECEIVED</b>  November 8, 1985	<b>ACTION BY:</b>  Executive Director/dlw
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**ACTION COPY TO:**  
  
NAN

**INFORMATION COPIES TO:**  
  
Lynch  
Abell

**SUSPENSE DATE:**

**REMARKS: FOR APPROPRIATE ACTION**

Please indicate action taken below and include date of action.  
If written correspondence was sent, please attach a copy.

- ( ) Written correspondence.
- ( ) Telecon.
- ( ) Action transferred to \_\_\_\_\_.
- ( ) No action necessary.
- ( ) Other

*File NAS Folder*

# NATIONAL ACADEMY OF SCIENCES

2101 CONSTITUTION AVENUE WASHINGTON, D. C. 20418

OFFICE OF THE PRESIDENT

November 6, 1985

The Honorable George A. Keyworth  
Director  
Office of Science and Technology Policy  
Executive Office of the President  
Washington, D.C. 20500

Dear Jay:

Thank you for your time and effort in securing the letter from President Reagan to Arnold Beckman. The letter meant a great deal to Arnold and the assembled audience.

With best regards.

Yours sincerely,

  
Frank Press  
President

# Major Benefactor of American Science

Beckman's 1985 gifts total \$75.5 million.

By PHILIP M. BOFFEY

Special to The New York Times

**W**ASHINGTON, Nov. 4 — Dr. Arnold O. Beckman, the 85-year-old founder and chairman of a company that makes precision instruments for science, medicine and industry, has emerged in the last month as one of the biggest private benefactors of American research in recent years.

His gifts to American scientific institutions, made through the Arnold and Mabel Beckman Foundation, have totaled at least \$75.5 million this year, and more may be on the way.

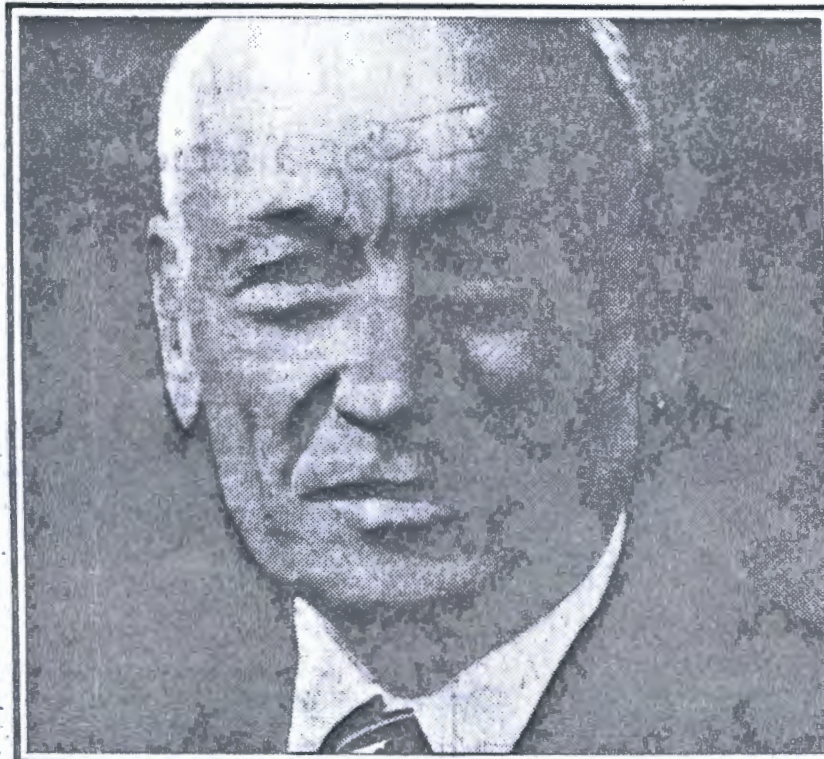
Dr. Beckman appears to be one of those rare individuals who, in the course of a single lifetime, amasses an enormous fortune and then gives much, if not most, of it away.

The gentle, reticent Dr. Beckman founded his company, Beckman Instruments Inc. of Fullerton, Calif., in 1935. He merged it into the Smith-Kline Corporation of Philadelphia in 1962, to form the SmithKline Beckman Corporation, of which his original company is now a subsidiary.

## Grant to Academies

The size of his fortune could not readily be determined today, but a March proxy statement by the parent company said that on Jan. 11 Dr. Beckman owned or controlled through family foundations some 2.7 million shares of SmithKline Beckman common stock. It was then worth more than \$150 million and would today be worth considerably more.

His latest gift, announced today, is a \$20 million grant to the National Academy of Sciences and the National Academy of Engineering to es-



Arnold O. Beckman, founder of SmithKline Corporation of Philadelphia.

tablish a West Coast study center in Irvine, Calif., where Dr. Beckman has his office.

The gift was described as "the largest single contribution ever received by the academies," which are honorary societies for outstanding scientists and engineers and provide scientific advice on a wide range of technical subjects for the Federal Government. Dr. Beckman is a member of the National Academy of Engineering.

The new center will be built on a seven-acre site, valued at \$6 million, which is being donated by the Irvine Company, the principal developer of

the city of Irvine.

Today's gift came just a month after the University of Illinois, Dr. Beckman's alma mater, announced that it would receive \$40 million from the Beckman foundation to build a research center to study human and artificial intelligence. That gift was described by university officials as probably the largest made by an individual to a public university in the United States.

Other gifts by Dr. Beckman this year include \$3.5 million to the University of California medical center in San Francisco to help build a new vision center and \$12 million to Stan-

ford University, in Palo Alto, Calif., to help build a new \$50 million center for molecular and genetic medicine. The center was described as "one of the most ambitious projects ever undertaken at Stanford."

Dr. Beckman declined to be interviewed about his philanthropy, explaining through a spokesman that he preferred to "let the gifts speak for themselves" because "any elaboration beyond the gifts would look like grandstanding."

At a news conference in Irvine today, he turned away several questions about his future giving plans, questions spurred in part by rumors among fund raisers that he may be planning to give away most of his sizable fortune over the rest of his life to scientific causes. Dr. Beckman said that such questions were "not relevant to this meeting" and that his foundation "does not seek publicity."

## Friend Sees More Gifts

Simon Ramo, a West coast engineering executive who describes himself as a friend and colleague of Dr. Beckman's, predicted in a telephone interview that when Dr. Beckman completed his philanthropy he would rank as one of the three or four top living individual donors to American science.

"I think he is personally convinced," Dr. Ramo said, "that the best thing to do with the great fortune created for him by the success of Beckman Instruments is to make it available to advance science and technology, including medical science. My personal guess is that his total gifts will be substantially greater than he has already given."

Dr. Ramo described Dr. Beckman as quiet, reserved, diffident, well-informed on a variety of subjects, very kindly and extremely ethical, "the kind of nice person everybody likes to know and have as a friend."

THE WHITE HOUSE

WASHINGTON

November 27, 1985

Dear Frank:

The purpose of this letter is to request your action on the following matter regarding the National Academy of Sciences' (NAS) Technical Review Group on Inertial Confinement Fusion.

KMS Fusion, Inc., of Ann Arbor, Michigan, has requested Congressional funding of an upgrade of KMS Fusion's Chroma laser. Congress, in turn, has directed that the Department of Energy (DOE) seek the findings and recommendations of the NAS review group concerning the KMS Fusion proposal. Accordingly, therefore, I request that the NAS's Technical Review Group on Inertial Confinement Fusion review the KMS Fusion proposal on a Chroma laser upgrade and include its findings and recommendations in its final report.

At this time, DOE is faced with severe budget restrictions in the Inertial Fusion Program as well as in other Defense Programs research areas. The KMS Fusion proposal comes at a time when program resources must be stretched to address the demands of large programs such as Halite/Centurion, Nova, and the Particle Beam Fusion Accelerator II. Target improvements must be pursued over the next several years to maximize the utility of the program's facilities. Results of current and near-term experimental campaigns must be obtained in a timely fashion in order to define an expedient path toward accomplishment of the program's goals. For this reason, it is crucial that the NAS panel not only review the technical merits of the Chroma upgrade proposal but also evaluate it in the context of overall program priorities.

We hope that this additional request can be accommodated within the current activities of the National Academy of Sciences panel.

Very truly yours,



G. A. Keyworth  
Science Advisor to the President

Dr. Frank Press  
President  
National Academy of Sciences  
2101 Constitution Avenue  
Washington, D.C. 20418





Department of Energy  
Washington, D.C. 20585

November 20, 1985

Dr. George A. Keyworth  
Science Advisor to the President  
The White House  
Washington, DC 20500

Dear Dr. Keyworth:

Congress, in its deliberations over the Fiscal Year 1986 budget, has specifically directed that the Department of Energy obtain the recommendations of the Technical Review Group on Inertial Confinement Fusion in order to evaluate the KMS Fusion, Inc., proposal for upgrade of its Chroma laser (see Enclosures 1 and 2).

To carry out this congressional directive, I respectfully request that you ask the National Academy of Sciences to review the KMS Fusion proposal. Accordingly, I submit to you the enclosed draft (Enclosure 3) as my suggestion for a request to Dr. Frank Press of the National Academy of Sciences.

I sincerely appreciate your help in this matter. I know you are as interested as we are in making the review of the Inertial Confinement Fusion Program as complete and definitive as possible.

Sincerely,

Original Signed

Don Ofte  
Acting Assistant Secretary  
for Defense Programs

3 Enclosures:

Report of the Committee on  
Armed Services, U.S. House  
of Representatives, on H.R. 1872,  
dated 5/10/85 (Excerpt)  
Conference Report to Accompany  
H.R. 2959, from the Committee  
of Conference, U.S. House of  
Representatives, dated 10/9/85  
(Excerpt)  
Draft letter to Dr. Frank Press

1278-2

DOE - TITLE IX  
page 260

PARN  
FILE

99th Congress  
1st Session

HOUSE OF REPRESENTATIVES

Report  
99-81

DEPARTMENT OF DEFENSE  
AUTHORIZATION ACT, 1986

REPORT

OF THE

COMMITTEE ON ARMED SERVICES  
U.S. HOUSE OF REPRESENTATIVES

ON

H.R. 1572

together with

ADDITIONAL AND  
DISSENTING VIEWS



MAY 10, 1985.—Committed to the Committee of the Whole House on the  
State of the Union and ordered to be printed

1278-3

believes that the department should assess the technical health of the laboratories under conditions where one has a significantly greater workload of phase 3 development while maintaining the historical benefits of competition between the design laboratories.

#### The inertial confinement fusion program

With respect to the Inertial Confinement Fusion (ICF) program, the committee cannot agree that the program should be funded at the recommended level of \$70.0 million. This research program is directed toward demonstrating the feasibility of burning very small masses of special fuel through the use of lasers or particle beam generators. Understanding the physics of small fuel-mass burn can assist the nuclear weapons research, development, and testing activity by providing measurements of material properties at very high densities and temperatures, data on processes occurring during the implosion of fuel masses, and simulation of some nuclear weapon effects. If sufficiently small fuel masses can be ignited using lasers or particle beams, inertial fusion may also have the potential of being, in the long-term, a means of commercial power production of cost-effective drivers can be developed and other engineering problems solved.

Two major laser facilities have been completed in the past year, the NOVA glass laser facility at Lawrence Livermore National Laboratory, and the OMEGA glass laser at the University of Rochester Laboratory for Laser Energetics. Both facilities are about to embark on experimental campaigns that will almost certainly extend the regions of known physics. The President's proposed budget of \$70 million would require abandoning most experiments at these facilities recently completed at over \$200 million in cost. The committee believes that it is reasonable to close a facility when the technical data it was built to produce have been collected, but it is not good sense to close facilities before they are used. For example, the Antares gas laser at Los Alamos, which was a success technically will be closed next year because the data for which it was built are now in hand.

Other than the mentioned facilities, a major construction effort is underway at the Sandia Laboratories Particle Beam Fusion Accelerator-II (PBFA-II) and smaller efforts at supporting laboratories to gather an adequate data base to ensure the effective use of the full scale facilities as they become operational.

The committee has strongly supported the national ICF program for almost a decade, with cumulative appropriations of more than \$1.7 billion, because of the significant technical contributions the program could make to the understanding of nuclear weapon physics, nuclear weapon radiation effects, and directed energy weapon efforts, and for its potential contribution, in the long term, to fusion energy production. In addition, the committee believes that the existence of significant programs at the nuclear weapon laboratories that push the leading edge of both science and technology and are closely related to the national nuclear weapons program are both beneficial and essential in maintaining the overall viability of the program over the long term.

talent. In addition, the ICF request would completely disregard the provisions of section 1633 of Public Law 98-525; that provision of law, enacted only three months prior to the submission of the DOE fiscal year 1986 budget request, directed the establishment of a special panel of experts to study the past accomplishments of the ICF program, its funding levels and probable future scientific contributions. The expert panel has been appointed but has not yet submitted its report to the President and the Congress. The budget request of only \$70 million would effectively terminate the ICF program after fiscal year 1985, although the testimony of DOE witnesses and supporting budget documents mistakenly claim that the program will continue.

For these reasons, the committee recommends \$145,000,000 for ICF operating funds which, because of severe budgetary constraints, is twelve percent less in real terms than the fiscal year 1985 appropriation and recommends the following distribution. If the Secretary of Energy proposes a different distribution, based on sound business or scientific reasons, he is directed to advise the appropriate committees of Congress in writing.

(Amounts in million of dollars)

	Fiscal year 1986 appropriation	Committee recommendation
Los Alamos National Laboratory	41,500	38,000
Lawrence Livermore National Laboratory	48,700	46,400
Sandia National Laboratory	26,000	19,000
University of Rochester	7,000	7,000
KMS Fusion, Inc.	13,000	13,000
Rand Research Laboratory	2,700	0.1
Supporting research	0.750	0
<b>Total Operating Funds, ICF</b>	<b>154,700</b>	<b>145,000</b>

Although in some cases no funding is indicated for some of the smaller performers, all are to be funded either directly by DOE or from amounts made available to the Laboratory directors, in whatever amounts will maintain a level of effort most appropriate for advancing the program, until the Secretary of Energy has approved the report of the expert panel mentioned above.

The amount allocated for the University of Rochester is intended to support research and development in ICF and operation of the National Laser Users Facility (NLUF) in accord with the Notice of Financial Assistance Award dated October 1, 1984, and not to support user fees for the NLUF.

The committee is aware of a proposal by KMS Fusion, Inc. for an upgraded laser system. This proposal was submitted to the committee staff, after the DOE budget request was submitted, and after any chance to hold hearings on the matter. The committee found that the proposal had only recently been submitted to DOE for evaluation. Until DOE, using the recommendations of the panel of experts mentioned above, has evaluated this proposal, the com-

1278-4

DP-20  
Tamm

**MAKING APPROPRIATIONS FOR ENERGY AND WATER DEVELOPMENT FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1986, AND FOR OTHER PURPOSES**

October 9, 1985.—Ordered to be printed

Mr. BEVILL, from the Committee of Conference,  
submitted the following

**CONFERENCE REPORT**

[To accompany H.R. 2959]

The committee of conference on the disagreeing votes of the two Houses on the amendments of the Senate to the bill (H.R. 2959) making appropriations for energy and water development for the fiscal year ending September 30, 1986, and for other purposes, having met, after full and free conference, have agreed to recommend and do recommend to their respective Houses as follows:

That the Senate recede from its amendments numbered 4, 7, 9, 10, 28, 29, 30, 39, and 45.

That the House recede from its disagreement to the amendments of the Senate numbered 2, 5, 6, 14, 19, 21, 27, 33, 36, 37, and 38, and agree to the same.

Amendment numbered 1:

That the House recede from its disagreement to the amendment of the Senate numbered 1, and agree to the same with an amendment, as follows:

In lieu of the sum proposed by said amendment insert \$128,972,000; and the Senate agree to the same.

Amendment numbered 3:

That the House recede from its disagreement to the amendment of the Senate numbered 3, and agree to the same with an amendment, as follows:

In lieu of the sum proposed by said amendment insert \$795,865,000; and the Senate agree to the same.

Amendment numbered 11:

That the House recede from its disagreement to the amendment of the Senate numbered 11, and agree to the same with an amendment, as follows:

99-307 O

#### INERTIAL CONFINEMENT FUSION

The conferees recommend funding the Inertial Confinement Fusion program as a separate category with \$145,000,000 for operating expenses and \$10,000,000 for capital equipment.

From within the allowance, the conferees agree with the House and Senate position that \$18,800,000 should be available for the KMS Fusion program and \$7,800,000 for the program at the University of Rochester. Pending the completion of an ongoing review of the ICF program by the Technical Review Panel, the conferees have not provided an allocation of the remaining operating expenses among the major subprograms. The Secretary of Energy is directed to provide his plan, rationale and distribution of the ICF funds within 90 days of enactment of this legislation.

The conferees request the Technical Review Panel on ICF to review the chroma laser upgrade proposed for the KMS Fusion facility and provide their findings to the Department of Energy by January 1986. If this review concludes that the chroma laser upgrade is cost effective, then the conferees recommend that the Secretary of Energy fund the proposal from funds available in the Atomic Energy Defense Activities appropriation.

#### PRODUCTION AND SURVEILLANCE

The conferees agree to provide \$5,000,000 for Project 86-D-180, Tritium loading facility. The recommendation would defer initiation of construction pending the completion of the design to provide a better estimate of scope and total cost of the facility.

The conferees agree to provide the \$15,000,000 requested in the budget for facilities to produce the non-ER warhead, WS2, for the 155 mm nuclear projectile in strict conformance with the restrictions imposed by Section 1685 of Public Law 98-525.

#### MATERIALS PRODUCTION

The conferees agree to \$4,000,000 for design and engineering for project 86-D-148. However, prior to the obligation of funds for this project the Department should conduct a 120-day process readiness review of the competing Special Isotope Separation (SIS) processes. The process readiness review should be conducted by a competent panel of experts in the fields of production plant operations and engineering design. The process selected should be the most likely for technical success and have the lowest operating and capital costs. If upon completion of the review, the panel agrees that a technology is ready for plant scale implementation, design of the project shall commence utilizing the selected technology.

#### OTHER DEFENSE ACTIVITIES

The FY 1986 funding for byproducts and beneficial use activities and Defense Nuclear Energy programs are provided in the Energy Supply, Research and Development appropriation.

Amendment No. 82: Reported in technical disagreement. The managers on the part of the House will offer a motion to recede and concur in the amendment of the Senate with an amendment to read as follows:

1278-6

JPH ✓

**EXECUTIVE OFFICE OF THE PRESIDENT**  
**OFFICE OF SCIENCE AND TECHNOLOGY POLICY**

<b>FROM:</b> Donald C. Shapero, NRC	<b>DATED:</b> March 17, 1986
<b>SUBJECT:</b> Re survey of physics, PHYSICS THROUGH THE 1990s; publc. anncm't., Wed., Apr. 9, 1986, NAS, 4:00 p.m.	
<b>RECEIVED:</b> MAR 20 1986 March 19, 1986	<b>ACTION BY:</b> Executive Director/mg
<b>ACTION COPY TO:</b> NAN	
<b>INFORMATION COPIES TO:</b> McTague Tait Rivers	
<b>SUSPENSE DATE:</b>	
<b>REMARKS:</b> FOR APPROPRIATE ACTION  Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy.  ( ) Written correspondence. ( ) Telecon. ( ) Action transferred to _____. ( ) No action necessary. ( ) Other	

# NATIONAL RESEARCH COUNCIL

COMMISSION ON PHYSICAL SCIENCES, MATHEMATICS, AND RESOURCES

2101 Constitution Avenue Washington D.C. 20418

BOARD ON  
PHYSICS AND ASTRONOMY

(202) 334-3520

March 17, 1986

Dr. John McTague  
Office of Science & Technology Policy  
Executive Office of the President  
New Executive Office Building  
Room 5005  
Washington, DC 20506

Dear Dr. McTague:

The survey of physics entitled PHYSICS THROUGH THE 1990s is about to be released. As you may recall, the Office of Science and Technology Policy played a central role in the decision to carry out a review of physics research. The publication of the survey will be formally announced at a gathering at the National Academy of Sciences hosted by President Frank Press on April 9, 1986 at 4:00 pm. In view of the role of OSTP in the survey and in planning for physics research and facilities, we hope that you will be able to attend; a formal invitation will follow shortly. We anticipate that the discussion will be lively and will provide some fresh perspectives.

To follow up in a more personal way, the Chairman of the physics survey, Dr. William F. Brinkman, has asked me to schedule a number of briefings for heads of federal agencies to provide an opportunity for the presentation of the principal conclusions in person. I have been in touch with your office and we understand that April 10, 1986 at 11:00 am will be convenient for you. We look forward to the discussion.

Sincerely,



Donald C. Shapero  
Staff Director

...C/survey/pscinv.t.wp

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

FROM: Frank Press	DATED: March 25, 1986
SUBJECT: Invite to McTague fr Frank Press, Pres., National Academy of Sciences, to Reception announcing release of rpt, "Physics Through the 1990's, Wed., Apr. 9, 1986, 4:00 p.m., lecture Room, NAS, 2101 Constitution Ave., N.W., RSVP. <i>open</i>	
RECEIVED: March 26, 1986	ACTION BY: Executive Director /mg
ACTION COPY TO: McTague	
INFORMATION COPIES TO: Tait	
SUSPENSE DATE: April 2, 1986	
REMARKS: FOR APPROPRIATE ACTION Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy.  ( ) Written correspondence. (X) Telecon. 3-28-86 <i>Regrets gg</i> ( ) Action transferred to _____ ( ) No action necessary. <del>(X)</del> Other <del><i>Frank Press attending</i></del> <i>Regrets JPM</i>	

File: NAS





*Frank Press*  
*President of the National Academy of Sciences*  
*Invites you to a Reception*  
*Announcing the Release of the Report*  
*Physics Through the 1990's*  
*April 9, 1986*  
*4:00 p.m.*

*RSVP*  
*Don Shapero*  
*334-3520*

*Lecture Room*  
*National Academy of Sciences*  
*2101 Constitution Ave., N.W.*

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**EXECUTIVE OFFICE OF THE PRESIDENT**  
**OFFICE OF SCIENCE AND TECHNOLOGY POLICY**

<b>FROM:</b> President & Mrs. Frank Press	<b>DATED:</b> April 1986
<b>SUBJECT:</b>  Invite to McTague to NAS Garden Party Reception to open the Annual Meeting of the Academy, Sun., Apr. 27, 1986, 4:00-6:00 p.m., 2101 Constitution Ave., N.W., Wash., D.C.  RSVP  <i>Out of country</i>	
<b>RECEIVED:</b>  April 4, 1986	<b>ACTION BY:</b>  Executive Director /mg
<b>ACTION COPY TO:</b>  McTague	
<b>INFORMATION COPIES TO:</b> Tait	
<b>SUSPENSE DATE:</b>  April 18, 1986	
<b>REMARKS:</b> FOR APPROPRIATE ACTION  Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy.  ( <input checked="" type="checkbox"/> ) Written correspondence. <i>Mrs. McTague will attend - ejs 4/10/86</i> ( <input type="checkbox"/> ) Telecon. ( <input type="checkbox"/> ) Action transferred to _____ ( <input type="checkbox"/> ) No action necessary. ( <input type="checkbox"/> ) Other  <i>Met w/ ejs</i>	

File  
NAS

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

June 17, 1986

To : Dick Johnson.

From : Darryl Garrett

Subject : Engineering Research Centers Symposium at NAS  
on June 30, 1986

On June 13, 1986, Kevin Hopkins told me that he needed materials to help him prepare the keynote address that Dr. McTague was giving at this symposium. He had accepted this invitation while still at OSTP. This information was confirmed by me in a phone conversation with Ms. Kerstin Pollack at the NAS on June 17. Ms. Pollack said that Dr. McTague will be identified as a Vice-President of Ford Motor Company, and "possibly" as the former Acting Science Advisor.

I left a message for Hopkins on Friday afternoon that he was not to work on the speech until he heard from me. He called me back on Monday June 16 but I was out of town. I called him Tuesday June 17, but he was in Indianapolis and is expected to return on Wednesday. I left the message that Dr. McTague was giving the speech as a private citizen and that OSTP would not pay for any of Kevin's expenses in preparing a speech for him. I also left the message that he could call me if he had any questions.

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

FROM National Academy of Sciences	DATED: April 1986
SUBJECT: Invite to Dr. & Mrs. McTague to 123rd Annual Meeting of NAS, President's Dinner & Dance, Tues., April 29, 1986, 7:00-10:00 p.m., The Nat'l. Bldg. Museum, 5th Street between F & G Streets, N.W., Wash., D.C. <i>out of country</i>	
RECEIVED: April 7, 1986	ACTION BY: Executive Director <i>(mg)</i>
ACTION COPY TO: McTague	
INFORMATION COPIES TO: Tait	
SUSPENSE DATE: April 22, 1986	
REMARKS: FOR APPROPRIATE ACTION Please indicate action taken below and include date of action. If written correspondence was sent, please attach a copy. <input checked="" type="checkbox"/> Written correspondence. <i>sg 4/10/86 "regrets"</i> <input type="checkbox"/> Telecon. <input type="checkbox"/> Action transferred to _____ <input type="checkbox"/> No action necessary. <input type="checkbox"/> Other <i>Regret mg</i>	