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"Document Control"

TYPE: INFORMATION

DOCUMENT NUMBER: 9125259

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: PRESS, Frank: NATIONAL ACADEMY OF SCIENCES

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 12/23/91

SUBJECT: HE IS FORWARDING THE LATEST NEWS FROM MOSCOW FROM
GLEN SCHWEITZER.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

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

OSTP RECEIVED: 12/30/91
FILE: B-INTERNATIONAL-USSR
CENTRAL FILES: Pres

DEPT RECEIVED:

NATIONAL ACADEMY OF SCIENCES
OFFICE OF THE PRESIDENT

12/23/91

TO: Allan Bromley

Allan -

Latest news from Moscow.

Frank

[17] From: Glenn Schweitzer at OIA1 12/23/91 8:26AM (3355 bytes: 53 ln)
 To: Frank Press at NAS1, Mitchel Wallerstein at NAS1, Robert White at NAE1,
 Gerry Dinneen at NAE1, James Wyngaarden, Bill Colglazier, Gary Waxmonsky,
 Kathleen Trivers, Cassandra Turczak
 Subject: Visit to Moscow

RECEIVED

----- Message Contents -----

Dual Use -- This project is off to a good start with the Soviets (Mesyats) organizing a good counterpart group including specialists in military affairs, military-industrial complex, basic and applied research, economics, and international affairs. We identified 10 interesting future agenda items. The industrial visits were interesting, the discussions were generally informative, and Mesyats was prepared to commit the necessary resources for future activities from his budget within the Academy's Urals Department. The Embassy science officer participated throughout and I believe reflects the high interest that the Administration will show in this activity.

After the holidays, Mitch and I will organize internal and external briefings and will seek financial support for a longer term effort.

Russian Academy -- Aside from the new President (Osipov) and first Vice President (Gencher), the faces are much the same with VPs being Laverov, Velikhov, Frolov, Nefedov, and several others and the Department heads being many of the same. The VPs for biology (Petrov vs Spirin) and social sciences (many pretenders) remain up in the air. Logunov is out (which is probably good) and Makarov remains Scientific Secretary (hard to believe). Mesyats remains VP for Urals which seems good from our point of view. Osipyan did not run for VP, and Marchuk became a member of Presidium.

We did not discuss future of inter-academy exchange program although Soviet Academy foreign department assumes it will continue business as usual under Russian banner.

Plight of Soviet Science -- Loren Graham, who was in Moscow, and others from MIT are trying to figure out how US public or private funds could be channeled to young Soviet superstars. They are talking about international review boards to dispense small amounts of money with the idea that small grants will encourage these Soviets to remain in place and not emigrate.

Meanwhile, Osipov declared in his first press interview that the Russian Science Foundation is his top priority. This foundation apparently is to do what the MIT specialists are advocating although in rubles. Also, USIA may expand the Fulbright Program which has always included a significant number of Soviet scientists as recipients, and NSF is eager to expand its program of joint grants to US and Soviet scientists.

Future Russian Budget -- This is the key for research and all other activities and should be clearer within several weeks. Thus far there are only rumors.

Logged

"Document Control"

TYPE: ACTION DOCUMENT NUMBER: 9125084
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: STUCKY, Galen: UNIVERSITY OF CALIFORNIA, SANTA BARBARA

TO: DR. D.A. BROMLEY



DATE OF
CORRESPONDENCE: 12/05/91

SUBJECT: HE REQUESTS INFORMATION REGARDING FUNDING OF
EXCHANGE PROGRAMS FOR SCIENTISTS WITH THE SOVIET
UNION.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED: JO'NEI

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

SENDER'S DUE DATE:
OSTP DUE DATE: 12/26/91 STAFF DUE DATE 12/26/91
DATE COMPLETED: DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
PHYSICAL SCIENCES

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

REMARKS: No action required.
NSF has contacted Dr. Stucky

John Offit 2/20/92

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

DEPT RECEIVED:

CENTRAL FILES:

5084

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DEPARTMENT OF CHEMISTRY

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91 DEC 12 AIO: 52

SANTA BARBARA, CALIFORNIA 93106
FAX 805-893-4120

OSTP
MAIL ROOM

December 5, 1991

Professor D. Allan Bromley, Director
Office of Science and Technology
The White House
Washington, D.C. 20002

Dear Dr. Bromley:

Enclosed is a copy of my response to a letter I recently received from Vladimir Nakoryakov, Director of the Institute of Thermophysics, USSR Academy of Sciences concerning the second meeting of the USSR/USA Joint Commission on Basic Scientific Research. In addition, a copy of an invitation to carry out joint collaborative research with the Academy of Sciences at the A.F. Ioffe Physical-Technical Institute is enclosed. This came about as a result of an earlier visit that I made to the Academy of Science Institutions in Moscow and St. Petersburg in the summer of 1989. I would like to follow up on this as well. Has the Federation of American Scientists or the Office of Science and Technology provided a funding mechanism for the exchange program described by Dr. Nakoryakov?

Some outstanding solid state research has been has been carried out in the Soviet Union in the areas of crystal growth, non-linear and electro-optical materials. I believe that this is an excellent opportunity that would prove beneficial to all concerned parties.

Sincerely,

A handwritten signature in cursive script, reading 'Galen Stucky'.

Galen Stucky
Professor of Chemistry

GS:dj

Encls.

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SANTA BARBARA • SANTA CRUZ

DEPARTMENT OF CHEMISTRY

SANTA BARBARA, CALIFORNIA 93106
FAX 805-893-4120

December 4, 1991

V. E. Nakoryakov, Director
Institute of Thermophysics
USSR Academy of Sciences, Siberian Branch
Prospekt Lavrentyev 1
Novosibirsk 630090
USSR

Dear Dr. Nakoryakov:

I have received your letter which resulted from the second meeting of the USSR/USA Joint Commission on Basic Scientific Research. As I understand the letter, the goal is to establish collegial relations between Soviet research institutes, such as yours, and US research institutes with similar interests.

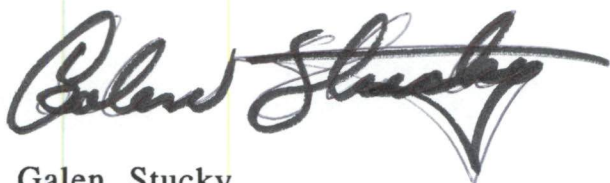
In your letter, you described the work of A.B. Kaplun on studies of single crystal growth and proposed a joint project on the subject of "creation of scientific foundation of technology oxide (salt) single crystal growth by high-temperature solution techniques". As you noted in your letter, several people in my research group, Dr. T.E. Gier and Dr. M.L. Phillips, have been actively involved in this research. We would be interested in exploring the possibilities of collaborative investigations of this nature.

Dr. Nakoryakov
December 4, 1991
Page Two

I would be open to your suggestions on the way that you would like to proceed in this matter. At the present time, I do not have funding available for such an exchange. Perhaps initially we could exchange information and consider a joint collaborative project which might involve the capabilities of our laboratories on both sides. I will inquire if the Federation of American Scientists or the Office of Science and Technology has provided a funding mechanism for this program.

For your information, I am enclosing a curriculum vitae which describes some of my research. I will look forward to hearing from you.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Galen Stucky', with a stylized, sweeping flourish at the end.

Galen Stucky
Professor of Chemistry

GS:dj

Enclosure

CC: Jeremy J. Stone, President
Federation of American Scientists
307 Massachusetts Avenue, N.E.
Washington, D.C. 20002

Professor D. Allan Bromley, Director
Office of Science and Technology
The White House
Washington, D.C. 20002



АКАДЕМИЯ НАУК СССР СИБИРСКОЕ ОТДЕЛЕНИЕ
ИНСТИТУТ ТЕПЛОФИЗИКИ

USSR ACADEMY OF SCIENCES, SIBERIAN BRANCH
INSTITUTE OF THERMOPHYSICS

Prospekt Lavrentyev 1, Novosibirsk 630090, USSR
Telephone: 355 552

Leader of Department of Chemistry
University of California
Santa Barbara
California 93106
USA

Dear Sir,

as a result of Prof.D.Allan Bromley, Assistant to the USA President for Science and Technology, visit to Siberian Branch of USSR Academy Science the agreement about cooperation of scientific organization was reached.

In USA and USSR there are corresponding organizations which allow to subsidize the realization on questions interesting for both sides. In our Institute under the leadership by Dr.A.B.Kaplun the precision investigations of phase diagrams and viscosity of multicomponent oxide and salt systems are carried out. As a technique of research the vibrational methods, worked out by A.B.Kaplun and allowing to measure a set of characteristics of cristallization processes as an addition, are used. This methods have considerable advantages compared to well-known technique in accuracy, amount of information and productivity (by an order greater in many cases) at study of glass-formig systems and systems with the small heat phase transition especially. The scientific group headed by Dr.A.B.Kaplun carry out the works on search of optimum solvents for single crystal growth from high-temperature solutions, on large single crystal growth, including nonlinear-optical materials, and on thermodynamic and structure simulation of multicomponent liquid alloys also. We propose you to carry out as a joint project the work on subject: "Creation of scientific foundation of technology oxide (salt) single crystal growth by high-temperature solution techniques".

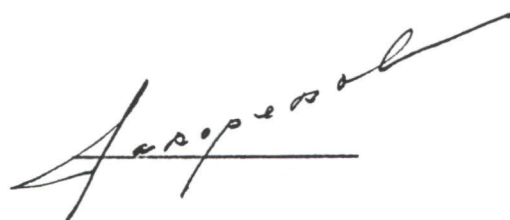
Also we are ready to carry out research on subjects interesting for you in frames of studying phase diagrams, crystallization processes, viscosity, thermodynamic and structure simulation of liquid alloys.

The final results can be publications, training and probation of specialists, creation of joint laboratory, elaboration of scientific basis of technologies and so on.

We will be grateful if you can inform your colleagues about our proposal. In particular we know the works of Dr. M. L. Phillips and Dr. T. E. Gier. ↗ ↘

If you don't take part in carrying out joint works of such sort, then we will thank you very much for information about those organizations (address, leader), which can take interest in our proposal.

Sincerely yours

A handwritten signature in dark ink, appearing to read 'V. E. Nakoryakov', written over a horizontal line.

V. E. Nakoryakov

Director of Institute
Academician

Professor Bogomolov

A. F. Ioffe Physical-Technical Institute
Politechnicheskaya 26

194021 St. Petersburg

USSR

Dear Dr. Stucky

Thank you very much for your supporting the idea of our collaboration. The situation in the USSR is getting worse very rapidly though in our field of science. (The financing was already reduced three times in 1989 and it is not included in the plans for 1992 at all, the inflation reaching 400% a year). So a question of getting orders for research has become of considerable interest for many laboratories. But such orders can hardly be found in this country. The situation is further intensified by a sudden drop in defence allocations.

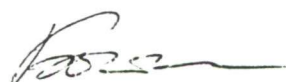
In this respect the integration of our work into the US research program in any form you wish could be a way out for us. Since the questions of practical aid to Russia are being discussed, some extra financing of your works could be regarded as a form of that aid. That's why I appeal to you to study the possibility of getting such a support.

Unfortunately I haven't got the program of QUEST center yet (it may be lost on the way), so I mention some subjects we can work on:

1. Zeolite and opal large single-crystal growing and investigating of crystallization mechanisms, space researches on Soviet or American spaceships are included.
2. Creating of semiconductor superlattices and cluster lattices in opals and zeolites (mordenites, cancrinites, NaX, NaA, NaY).
3. Nonlinear optics, the high density and high resolution recording of optical information.
4. Nonlinear high frequency elements, VHF generation and detection by Josephson junction lattices.
5. Creating and investigating of microwires 1 to 5 atom diameter thick.
6. Studying of interface contacts' local structure (interface interaction, Tolmen length).
7. Investigating of catalysis mechanisms and working out catalysts.
8. Investigating and working out capillary accumulators of mechanical energy with energy capacity up to 200kJ/l.

I am sure that the integration of Russian scientists into the world system of scientific researches is a normal and inevitable process. I hope that contacts among the parties concerned will be established for more detailed discussing the matters above mentioned.

Sincerely Yours



P. S. My friend Dr. Pisarev is in similar situation now.

F.A.S.

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Washington, D.C. 20002 (202) 546-3300

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July 31, 1991

Vladimir Nakoryakov, Director
Thermal Physics Institute
Prospekt Nauki 1
Novosibirsk 630090
USSR

Dear Dr. Nakoryakov:

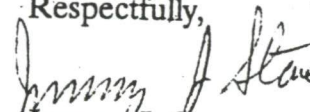
We write to call your attention to a proposal we made recently and published in our newsletter. The enclosed reprint sets forth the idea in full. Briefly, though, we are suggesting that Soviet research institutes such as yours establish collegial relations with U.S. research institutes with similar interests.

In some cases, such a relationship would only formalize close links already forged. In other cases, it would be the first contact. In all cases, we believe it would stimulate bilateral exchanges of personnel and studies, and be of mutual benefit to scientists in both countries.

Accordingly, we encourage you to decide which U.S. institute is most appropriate and write its director a letter, enclosing a copy of our proposal to help introduce the idea of a "sibling" relationship between you. Such a direct overture will be far more expeditious than any sort of "middleman" approach we could attempt. And it will enable you to structure from the outset the type of relationship the two of you wish to develop.

We welcome any suggestions, comments, or criticisms you may have about the proposal, and encourage you to let us know of any contacts you establish.

Respectfully,


Jeremy J. Stone
President

National Council Members

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David Hafemeister
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JOINT STATEMENT

on the visit to the Siberian Branch USSR Academy of Sciences
of the USA delegation to the Second meeting of the USSR/USA
Joint Commission on Basic Scientific Research

Novosibirsk, May 16, 1991

The delegation of the USA attending the Second meeting of the USSR/USA Joint Commission on Basic Scientific Research headed by Prof. D. Allan Bromley, Assistant to the President for Science and Technology and Director of the Office of Science and Technology Policy, visited the Presidium of the Siberian Branch of the Academy of Sciences of USSR, and institutes of this Branch (Institute of Nuclear Physics; Institute of Thermophysics; Institute of Catalysis; United Institute of Geology, Geophysics and Mineralogy; Computer Center; Institute of Cytology and Genetics). The delegation was presented with information on the directions of research and facilities of the Branch; these represent some 20% of the facilities of the Academy of Sciences of USSR.

The USA delegation was informed that the Siberian Branch looks for new forms of direct international scientific cooperation, and that new possibilities arise because of the establishment, in the USSR, of International Research Centers, open laboratories, Scientific-Technological Associations in Siberia. Some of these Centers already are in operation, and the USA delegation was informed about the first results of joint studies of scientists from the USSR, the USA, and from other countries who worked in these Centers.

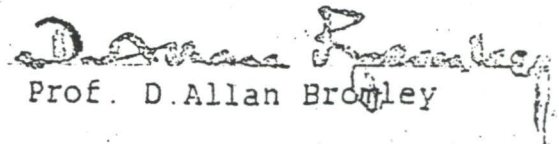
The Siberian Branch is prepared to allocate financial resources within the USSR to support joint projects of Soviet and American scientists, and to provide for these projects facilities belonging to its research institutes in Novosibirsk, Irkutsk, Krasnoyarsk, Tomsk, Ulan-Ude, Yakutsk, Omsk, Chita, Barnaul, Kemerovo, Tyumen, and laboratories distributed over Siberia.

The sides discussed ways to improve communications among scientists and scientific institutions in both countries. As part of the general sponsorship of joint research of high quality under the USSR/USA Joint Commission on Basic Scientific Research, we have discussed the possibility of establishing in Novosibirsk a communication center for accumulating and rapidly exchanging information between the Siberian Branch, its organizations and individual scientists, and research organizations, granting agencies and individual scientists of the USA.



Prof. N. L. Dobretsov.

Acting President of the
Siberian Branch of the
Academy of Sciences
of USSR



Prof. D. Allan Bromley

Assistant to the
President for Science
and Technology,
Director of the
Office of Science

Curriculum Vitae
Galen Stucky

Revised 12/2/91

CURRICULUM VITAE - GALEN DEAN STUCKY

Areas of Specialization: Solid State/Inorganic/Organometallic Chemistry

Degrees: B.S. 1957 McPherson College
Ph.D. 1962 Iowa State University

Academic Positions:

1962-63	Massachusetts Institute of Technology, Post-Doctoral Fellow
1964-68	University of Illinois, Assistant Professor
1968-72	University of Illinois, Associate Professor
1971-72	University of Uppsala Visiting Scientist
1972-80	University of Illinois, Professor
1985-	University of California, Santa Barbara, Professor Level VIII

Industrial Positions:

1979-80	Sandia National Laboratory, Member of Technical Staff
1980-81	Sandia National Laboratory, Supervisor, Solid State Materials
1981-85	E. I. du Pont de Nemours & Co., Central Research and Development, Group and Research Leader

Professional Activities
Galen Stucky

- Member: American Chemical Society
Materials Research Society
SPIE - International Society for Optical Engineers
Phi Lambda Upsilon (Scholastic Honorary Society)
Alpha Chi Sigma (Chemistry)
- 1967-68 Secretary, American Chemical Society, Local Section
Invited lectures: Argonne National Laboratories, Office of College and University Cooperation Program on Physical Methods for Senior Staff in Small Universities and Colleges; Luther College; Washington State University
- 1968-69 Invited lectures: Argonne National Laboratories, Office of College and University Cooperation Program on Physical Methods for Senior Staff in Small Universities and Colleges; Catholic University of America; Morgan State College; Uniroyal Research Laboratories
- 1969-70 Invited lectures: Argonne National Laboratories, Office of College and University Cooperation Program on Physical Methods for Senior Staff in Small Universities and Colleges; University of Minnesota; Illinois Wesleyan College; Northwestern University; Atlanta University; University of Missouri
- 1970-71 Invited lectures: University of Kansas; Kansas State University; Wichita State University; Continental Oil Research Laboratories, Ponca City, Oklahoma; University of Oklahoma; Phillips Petroleum Research Laboratories, Bartlesville, Oklahoma; Tulsa University; University of Arkansas; University of Uppsala, Uppsala, Sweden; University of Aarhus, Aarhus, Denmark; University of Uppsala, Uppsala, Sweden, Invited Lecture Series (three lectures); University of Oslo, Oslo, Norway; Max Planck Institute fur Kohlenforschung, Mulheim an die Ruhr, Eigenossische Technische Hochschule, Zurich
- 1971-72 Chairman-Elect, Local Section, American Chemical Society.
Invited lectures: Esso Research Laboratories; University of Georgia; Iowa State University; Purdue University; St. Louis University; American Crystallographic Association Symposium on "Experimental and Theoretical Studies of Electron Densities" (Plenary lecture, also published in "Transactions of the American Crystallographic Association, 8, 113 (1972)).
- 1972-73 Chairman, Local Section, American Chemical Society. Associate Editor, Inorganic Chemistry.
Invited lectures: American Chemical Society Symposium on "N-Chelated Organolithium Reagents" (Plenary lecture, published in Advances in Chemistry); New Mexico State University; Michigan State University; University of Colorado; Ohio State University
- 1973-77 Editorial Board, Inorganic Chemistry
- 1973-74 Invited lectures: First Fall Organic Symposium, Carbanion Chemistry, Cape Cod, Massachusetts (Plenary Lecture); NSF Panel on the Future of X-ray Crystallography (Airlie House, Airlie, Virginia); Spring ACS Meeting, Los Angeles, California, Symposium on "Extended Interactions Between Metal Ions in Transition Metal Complexes; Lake Arrowhead Meeting on One Dimensional Organic and Inorganic Conducting Materials, Invited Paper, May, 1974; Gordon Research Conference on Organometallic Chemistry, Tilton, New Hampshire - Invited Symposium Speaker, July, 1974
- 1974-75 Invited lectures: Materials Research Council Symposium on "One and Two Dimensional Materials," La Jolla, California; Xerox Corporation, Rochester, New York; General Electric Research Laboratories, Schenectady; Pacific Conference on

Professional Activities
Galen Stucky

- Chemistry and Spectroscopy; Great Lakes Regional ACS Meeting Northwestern University (Plenary Lecturer); University of North Dakota
- 1975-78 Canvassing Committee, American Chemical Society Award for Distinguished Service in the Advancement of Inorganic Chemistry (Mallinckrodt)
- 1976-77 Program Chairman, Gordon Research Conference on Inorganic Chemistry
Invited lectures: 1st European Conference on Organometallic Chemistry (Plenary Lecturer); Gordon Research Conference on Inorganic Chemistry, Program Co-Chairman; University of Arkansas; University of Kansas; Kansas State University
- 1977-78 Invited lectures: New York Academy of Science Conference on Synthesis and Properties of Low-Dimensional Materials; University of Illinois; University of Wisconsin
- 1978-79 Associate Editor, Inorganic Chemistry; Proposal Review and User's Committee, Intense Pulsed Neutron Source(IPNS), Argonne National Laboratory
Invited Lectures: Gordon Research Conference on Inorganic Chemistry, Member Panel discussion, August, 1978; NATO Conference on Molecular Metals, Les Arcs, France, September, 1978, Recording Secretary; Sandia Corporation; National Science Foundation Workshop, Co-Chairman, "Present Needs and Future Trends in Crystallography and Spectroscopy," November 15-17, Argonne National Laboratory
- 1979-80 Associate Editor, Inorganic Chemistry; Member and Appointed Inorganic Representative, American Chemical Society Committee to Determine if an American Chemical Society Journal of Structure and Theory should be Established
Invited Lectures: American Chemical Society/Chemical Society of Japan Meeting, Honolulu, Hawaii, Session Chairman On Zeolite Chemistry; Los Alamos; American Chemical Society, Meeting in Washington, Wurster Symposium; 3M Workshop on Zeolites and Zeolite Chemistry.
- 1980-81 Associate Editor: Inorganic Chemistry
Invited Lectures, Gordon Research Conference, Inorganic Chemistry, Session Chairman; American Chemical Society Meeting, Houston, Invited Symposium Speaker; Purdue University; Exxon corporation; E. I. du Pont de Nemours & Co.; University of New Mexico
- 1981-82 Associate Editor, Inorganic Chemistry Member, ACS Petroleum Research Fund Grant Review Board; Gordon Research Conference, Inorganic Chemistry, Chairman Elect
Invited Lectures: Two Invited ACS Symposium Talks on "Proton Distributions in Metal Oxides" and "The Application of EXAFS to Heterogeneous Catalysis".
- 1982-83 Associate Editor, Inorganic Chemistry; Gordon Research Conference, Inorganic Chemistry, Program Chairman
Invited Lectures: ACS Symposium Organizer and Chairman "Intrazeolite Chemistry"(Kansas City); John Hopkins University.
- 1983-84 Chairman Elect For Solid State Subdivision, Inorganic Chemistry, American Chemical Society.
Invited Lectures: University of Texas, Austin; Houston University; Plenary Lecture, International Conference "ESR of Inorganic Radicals and Metal Ions in Inorganic and Biological Systems, University of College, Cardiff, Wales; Gordon Research Conference, Inorganic Chemistry, Session Chairman; International Symposium "Metal Catalyzed Reactions in Intracrystal Environments" Brugge, Belgium; Fourth International Symposium "Relations Between Homogeneous and Heterogeneous Catalysis, Asilomar, California, Program Committee; State University of New York at Buffalo, N.Y.

Professional Activities
Galen Stucky

- 1984-85 Associate Editor, Inorganic Chemistry; Chairman, Solid State Subdivision, Inorganic Chemistry, American Chemical Society; Member, ACS Petroleum Research Fund Grant Review Board
Invited Lectures: University of California at Santa Barbara; University of Delaware; Florida Conference on Catalysis; Florida State University; University of Maryland; Utah State University; Pittsburgh Catalysis Society; Stanford University; Argonne Zeolite Symposium; Inorganic Gordon Research Conference; Solid State Gordon Research Conference; Georgia Institute of Technology.
- 1985-86 Associate Editor, Inorganic Chemistry; Chairman-Elect Inorganic Division, ACS; ACS Petroleum Research Fund Grant Review Board
Invited Lectures: University of California, Riverside, University of Minnesota, University of New Mexico, University of Texas
Research Reviews: Iowa State University, Ames Laboratory
- 1986-87 Chairman, Inorganic Division, American Chemical Society; Committee of the American Chemical Society to Determine if Journal of Materials Chemistry Should be Established; ACS Petroleum Research Fund Grant Review Board
Invited Lectures: ACS Colloid/Surface Symposium, Zeolite Chemistry; June, 1986; Royal Society Meeting, University of Birmingham, "Molecules, Clusters, Networks in the Solid State", July 8-11, 1986.
- 1987-88 Executive Committee Inorganic Division, American Chemical Society; Member, ACS Petroleum Research Fund Grant Review Board; Organizer and Session Chairman of Biennial Inorganic Symposium at Harvard University; Member, Advisory Committee for Symposium "New Opportunities in Chemistry: An International Symposium on the Uses of Synchrotron Radiation in Chemistry", Brookhaven National Laboratory, November, 1987; Member, Synchrotron Radiation Use Committee for the University of California Beam Line at the Stanford Linear Accelerator. Appointed Board of Editors, Inorganic Chemistry, October, 1987; Appointed Advisory Committee for the Institute for Polymers and Organic Solids, University of California, Santa Barbara., College Budget Committee
Invited Lectures: University of California, Berkeley; California State University, Los Angeles; University of California, Irvine; California State University, Northridge; University of Nebraska; University of Minnesota; McPherson College.
- 1988-89 Member Editorial Board, Inorganic Chemistry; DOE Review Panel for Brookhaven National Laboratory; NSF Review Panel for Michigan State University Materials Research Program
Invited Lectures: IBM Research Laboratories, Almaden; University of California at Los Angeles; Superconductor Technology Incorporated; Symposium on Inorganic Electronic Materials: New Synthetic Chemistry and Properties, invited speaker and session chairman, 3rd Chemical Congress of North America, Toronto; Discussion Leader, Gordon Research Conference in Solid State Materials; Co-Organizer and Invited Speaker 5th International Conference on Inclusion Chemistry; Tulane University; University of Guelph (Canada); University of Southern California; Westmont College; Scientific Exchange Program with Soviet Union, invited lectures at University of Leningrad, State University of Moscow; Academy of Science Institute of Crystallography (Moscow); Academy of Science, Institute of Element Organic Chemistry (Moscow); University of Lund, Sweden; Stockholm University.
- 1989-90 Member Editorial Board, Inorganic Chemistry; Editorial Board, J. Chemistry of Materials, Member (1 of 3) of Scientific Advisory Board for BIOSYM Catalysis/Absorption Project

Publications
Galen Stucky

- Invited Lectures: Gordon Research Conference on Zeolites and Layered Clays as New Materials, Princeton University, University of California at San Diego; Purdue University; University of Oregon; du Pont Central Research and Development Laboratories, UNIDO (United Nations Industrial Development Organization) to Review Zeolite Program at the National Chemical Technical Institute of India at Pune (2 invited lectures), Office of Naval Research Symposium and Program Review on "New Directions for Cluster Chemistry"; Co-Organizer ACS Symposium, "New Materials for Nonlinear Optics" for National ACS Meeting at Boston Massachusetts, plenary lecturer Gordon Research Conference on Zeolite Materials Chemistry.
- 1990-91 Member Editorial Board, Inorganic Chemistry; Editorial Board, J. Chemistry of Materials; Member 1992 International Zeolite Conference Advisory Board, Member (1 of 3) of Scientific Advisory Board for BIOSYM Catalysis/Absorption Project
- Invited Lectures: Gordon Research Conference Solid State Chemistry: Invited Lecturer for International Program, "Inorganic Materials", Bern, Switzerland (4 lectures); Plenary lecturer (2 lectures) 1st International Workshop on Supramolecular Chemistry, Strasbourg Germany; Symposium on "Electrical, Magnetic, and Optical Phenomena in Molecular Solids", Plenary Lecture, Midwest Regional Meeting of the American Chemical Society; Keynote Lecture Materials Research Society Symposium on Cluster Semiconductor Materials, Boston, Mass; University of British Columbia, Simon Fraser University; University of Victoria; University of Illinois, University of New Mexico, American Physical Society Meeting on "New Solid State Materials", Cincinnati, OH, March 18-22, 1991 (Symposium Organizer); American Chemical Society Symposium, "Supramolecular Chemistry"; Materials Research Society Symposium on "New Molecular Sieve Materials", Anaheim, CA, April 29-May 03, 1991 (Co-Organizer), Mobil Research Laboratory, Princeton, NJ, June 7, 1991 Air Products Research Laboratory, Allentown, PA, June 10, 1991.
- 1991-92 Member Editorial Board, Chemistry of Materials; Member 1992 International Zeolite Conference Advisory Board, Member (1 of 3) of Scientific Advisory Board for BIOSYM Catalysis/Absorption Project
- Invited Lectures: Keynote Speaker Pacific Conference on Chemistry and Spectroscopy; ONR SSSC Contractors Meeting; Visiting Professorship, University of Konstanz, West Germany; University of Chicago; University of California, Berkeley; Visiting Professorship, University of Sao Paulo, Brazil.

Patents Pending

"Engineered Cementitious Hazardous Contaminant Barriers and Their Method of Manufacture"
Galen Stucky, Hamlin Jennings and Simon Hodson.

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2. The Crystal and Molecular Structure of $\text{Mg}_4\text{Br}_6\text{O} \cdot 4\text{C}_4\text{H}_{10}\text{O}$, A Grignard Reagent Oxidation Product, G.D. Stucky and R.E. Rundle, *J. Am. Chem. Soc.*, 86, 4821 (1964).
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4. Structural Properties of Tetramethylammonium Tribromonickelate(II), G.D. Stucky, S. D'Agostino and G. McPherson, *J. Am. Chem. Soc.*, 88, 4828 (1966).
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9. The Crystal Structure of $(\text{CH}_3)_4\text{NNiCl}_3$, G.D. Stucky, *Acta Cryst.*, B24, 330 (1968).
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13. Sodium 6-Niobo(ethylenediamine)cobaltate(III) and its Chromate(III) Analog, C.M. Flynn, Jr. and G.D. Stucky, *Inorg. Chem.*, 8, 178 (1969).
14. Heteropolyniobate Complexes of Manganese(IV) and Nickel(IV), C.M. Flynn, Jr. and G.D. Stucky, *Inorg. Chem.*, 8, 332 (1969).
15. The Crystal Structure of Sodium-12-Niobomanganate(IV), $\text{Na}_{12}\text{MnNb}_{12}\text{O}_{38} \cdot 50\text{H}_2\text{O}$, C.M. Flynn, Jr. and G.D. Stucky, *Inorg. Chem.*, 8, 335 (1969).
16. Stereochemistry of Polynuclear Compounds of the Main Group Elements. VII. The Structure of Octamethyldialuminum-monomagnesium, J.L. Atwood and G.D. Stucky, *J. Am. Chem. Soc.*, 91, 2358 (1969).

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TYPE: INFORMATION

DOCUMENT NUMBER: 9124855

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: SCHMITT, Roland W.: RENSSELAER POLYTECHNIC INSTITUTE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/15/91

SUBJECT: RE: THE STATUS OF THEIR PLANS FOR THE
RUSSIAN-AMERICAN UNIVERSITY CONSORTIUM.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

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ROLAND W. SCHMITT
President

31 NOV 20 A10:19

OSTP
MAIL ROOM

November 15, 1991

The Honorable D. Allan Bromley
Assistant to the President for
Science and Technology / Director,
Office of Science and Technology Policy
Executive Office of the President
17th and Pennsylvania Avenue, NW
Washington, DC 20506

Dear Allan:

I want to briefly update you on the status of plans for the Russian-American University Consortium that I discussed with you last June. Following your advice, we did meet with Ronald Roskens, Director of USAID, and subsequently submitted a proposal to them. We are awaiting a decision on that proposal.

Meanwhile our "shoestring" activities in Moscow are continuing. Last fall there were over 1000 applicants for our courses; this year the number is even higher. Six faculty are going to Moscow for courses of varying duration during this academic year. We have thus clearly demonstrated that such a program can succeed, but it will require the rather modest funding we have requested in order to get it into full operation.

As the discussions about aid to the Soviet Union go forward, I hope that you will keep in mind our proposal, which I believe has a very high benefit-to-cost ratio.

With all best wishes.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roland".

"Document Control"

TYPE: INFORMATION DOCUMENT NUMBER: 9124675
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FROM: MICHAELIS, Michael: PARTNERS IN ENTERPRISE

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 11/04/91

SUBJECT: HIS VIEWS CONCERNING THE SOVIET SPACE STATION MIR,
AND HOPE THAT THE ADMINISTRATION SERIOUSLY CONSIDER
THE POSSIBILITIES FOR AN AMERICAN-LED INTERNATIONAL
CONSORTIUM TO OWN AND OPERATE MIR.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

SENDER'S DUE DATE: STAFF DUE DATE
OSTP DUE DATE: STAFF DUE DATE
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91 NOV 6 A 9:06

MICHAEL MICHAELIS, President

OFFICE OF THE
DIRECTOR

4 November 1991

Dr. D. Allan Bromley
Director, Office of Science and Technology Policy
Executive Office of the President
Washington, DC 20506

Re: USSR Space Technology

Dear Dr. Bromley:

I am enclosing copy of a letter that I sent today to Congressman Bill Green, as well as to Congressman Bob Traxler, in their capacities as ranking minority member and chairman, respectively, of the House Subcommittee on NASA appropriations.

As you will note, I applaud their initiatives in considering the use of the Soviet space station *Mir* as a complement to our own program, and I refer to a letter of mine in the *New York Times*, of October 3, 1991, copy of which is also enclosed.

I hope that the Administration will seriously consider the possibilities for an American-led international consortium to own and operate *Mir*, as outlined in my enclosed correspondence.

Sincerely yours,

Michael Michaelis
President

Enclosures



Copy: D.A.B.

PARTNERS IN ENTERPRISE, Inc.

6812 MEADOW LANE • CHEVY CHASE, MD 20815 • 301-986-1950

MICHAEL MICHAELIS, President

4 November 1991

Congressman Bill Green
U.S. House of Representatives
Washington, DC 20515

Re: USSR Space Technology

Dear Congressman Green:

The *New York Times* reports today that, as ranking minority member of the House Subcommittee overseeing NASA appropriations, you recently were in correspondence with NASA Administrator Truly regarding the feasibility of using the Soviet space station *Mir* as a complement to our own program.

I applaud your initiative and urge you to continue to press this issue. The enclosed copy of my letter in the *New York Times* of October 3, 1991 speaks to this point. You will note that I push for an international consortium headed by the United States to own and operate the *Mir*. I believe that this would be a symbolic, imaginative, and workable means of exploiting Soviet technology for the common good of all participants, including the Soviets.

Would we rather wait to read the news that "Japan, Inc." has bought the *Mir* singlehandedly to make up for lost time in space?

An American-led international consortium would also do much to strengthen our leadership in international science and technology, thereby lending credence to our efforts to share the costs of other mega-projects, such as the SuperCollider (SSC).

I believe that *Mir* offers us a unique and immediate opportunity that outweighs the "political" disadvantages of seeming to slow down, temporarily, our own space station program. With *Mir* we can gain experience that we badly need in order to design, build, and deploy our own space station so that it will indeed perform useful functions.

Sincerely yours,

MM

Michael Michaelis
President

Enclosures

How C.I.A. Invented Soviet Military Monster

To the Editor:

A Sept. 26 front-page article reports the accusation before the Senate Select Committee on Intelligence by Melvin Goodman, former Central Intelligence Agency analyst, that Robert M. Gates, the nominee for Director of Central Intelligence, suppressed dissent within the agency and slanted intelligence conclusions to support Administration policies.

Professor Goodman's revelations come as no surprise to me; indeed, they suggest an answer to puzzles raised over the last 15 years in my studies of C.I.A. estimates of Soviet military spending.

The C.I.A. estimates have been, in my opinion, continually slanted upward to make Soviet military spending appear larger than careful analysis of the data suggests, thereby supporting the Reagan-Bush-Pentagon military buildup policies.

It was clear to me that the decisions to slant the conclusions were made at the highest levels because the techniques used were so unacceptable on scholarly grounds. In my work on military spending, I have come to know many of the C.I.A. analysts who prepare these estimates, and I believe that, had they been free of political pressure, the estimates would not have been distorted. Let me offer a few examples.

• The accepted method of comparing United States-Soviet gross national product and any of its components is to take an average of comparisons in ruble prices and in dollar prices.

For example, C.I.A. analysts summarized a comparison of United States-Soviet consumption levels thus: "In 1976, per capita consumption in the Soviet Union was 34.4 percent of that in the United States; this value is the geometric mean" — average — "of comparisons in rubles (27.6 percent) and in dollars (42.8 percent)."

Note that the dollar comparison exaggerates Soviet consumption, the ruble comparison exaggerates United States consumption. This is always the case and is why the C.I.A. almost always makes the two comparisons and uses their average. The major exception is the military spending comparison with the result that, as estimated by the C.I.A., Soviet military spending has always been grossly exaggerated compared with that of the United States.

• In 1979 the C.I.A. raised its estimate of the percentage of Soviet military spending in G.N.P. from 12 percent to 13 percent. The reason given was that since 1976, military spending had been increasing annually 4 percent to 5 percent, whereas the increase in G.N.P. had declined to 2 percent. In 1983, the C.I.A. admitted that military spending had been growing since 1975 at only 2 percent a year. Yet it did not make the appropriate reduction in the ratio of military spending to G.N.P. from 13 percent to 12 percent. Consider also that it took the agency eight years to admit it had been substantially exaggerating the annual growth of Soviet military spending.

• The Soviets introduced a price reform in 1982, the first in 15 years. In 1986, the C.I.A. switched its estimates of Soviet military spending and G.N.P. to the new 1982 prices. The percent of military spending in G.N.P. took a 3 percent jump upward because, according to the C.I.A., prices of weapons had increased much faster than prices of civilian goods. This was a lie or guesswork.

In November 1987, a year—and a half later, the C.I.A. published "A Guide to Monetary Measures of Soviet Defense Activities," a pamphlet that stated: "Recently the C.I.A. shifted its base year to 1982, the year of a major price revision. It is not yet known in the West if or how the Soviets adjusted the prices of their weapons systems in that year." Further substantiation that military prices were unavailable is found in the answer of Jerome Weinstein of the Pentagon's Defense Intelligence Agency to Senator William Proxmire's query in 1988 on the inflation in military prices: "Sir, that's a very soft figure. There is no hard evidence on what the inflation actually is."

Basic responsibility for the crude distortions could not be attributed to the competent analysts who develop C.I.A. estimates. Top officials like Mr. Gates undoubtedly call the tune on these matters. Whoever was responsible did this nation a disservice by contributing to our enormous and excessive military buildup over the last 15 years.

FRANKLYN D. HOLZMAN
Medford, Mass., Oct. 2, 1991

The writer is professor of economics, Tufts U., and research fellow, Harvard Russian Research Center.

Why Not Buy Into Mir Space Station?

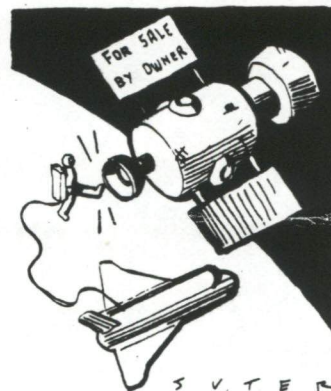
To the Editor:

"Smaller Is Better in Space" (editorial, Sept. 20) points out the greater versatility of smaller projects, as is illustrated by the National Aeronautics and Space Administration's proposed program changes.

But, as you say, smallness itself is no panacea. What is at stake is optimizing financial and technical resources to reach the greatest number of objectives in a space program. I suggest we need to seek international collaboration far more imaginatively.

Reports from Moscow indicate that the Soviets may be prepared to sell all or part of their pioneering Mir space-station program. Evidently, they now lack the resources to maintain the Mir in orbit, let alone to launch an improved one. The United States should try to assemble a consortium of industrialized countries, with the United Nations acting on behalf of others, to make equity investments in the Soviet program. The Soviets remain a stakeholder to ease a smooth transition to international ownership and management.

Mir has an enviable record of lengthy human habitation. It may



seem primitive compared with designs being debated for our own station. But why go for our own exorbitantly expensive one now, when we might gain much-needed experience in a Mir, updated and managed by an international team of the brightest and the best, and launched under contract by the available Soviet Energia rocket? MICHAEL MICHAELIS
Chevy Chase, Md., Sept. 20, 1991

Record of Failure

To the Editor:

The search for a smoking gun in the Robert M. Gates confirmation hearings for Director of Central Intelligence is pointless. It is clear that, if Mr. Gates did not know about the Iran-contra affair, the reason was he deliberately kept himself ignorant.

However, lying is no longer considered a serious transgression in American public life. President Bush said that Clarence Thomas was the best qualified person in the United States for elevation to the Supreme Court, and Judge Thomas himself said that he had no opinion about abortion and Roe v. Wade. No one believes these statements, but neither speaker will be penalized. Why do we care whether Mr. Gates is lying or not?

The real issue is what kind of intelligence service the United States needs in the coming years. If we think we want the same kind of Central Intelligence Agency we have had, then Mr. Gates is the best possible candidate; if we think we need something different, he is the worst.

On most of the issues that count — those related to the broad political, social and economic currents of the times — the C.I.A. has had a spectac-

FACSIMILE COVER SHEET

USSR STATE COMMITTEE FOR SCIENCE AND TECHNOLOGIES

11 TVERSKAYA STREET, MOSCOW, USSR.
FAX (095)230 2360
TELEX 411241 SU
411354 SU

TO:MR.D.ALLAN BROMLEY,
SCIENCE ADVISOR TO THE PRESIDENT OF THE U.S.A.
THE WHITE HOUSE
FROM: A.N.BYKOV
DIRECTOR
GENERAL DEPARTMENT
FOR INTERNATIONAL SCIENCE
AND TECHNOLOGY COOPERATION

USSR STATE COMMITTEE FOR SCIENCE
AND TECHNOLOGIES

SEPTEMBER 23, 1991.

FAX NUMBER:(202) 395-3261

NUMBER OF PAGES:FOUR, INCLUDING THE FACSIMILE COVER SHEET

DEAR DR.D.ALLAN BROMLEY

WE ARE SENDING YOU UNDER COVER OF THIS FACSIMILE COVER
SHEET A LETTER OF DR. V.V.EZHOV, DEPUTY CHAIRMAN OF THE USSR
STATE COMMITTEE FOR SCIENCE AND TECHNOLOGIES, OF SEPTEMBER 23,
1991.

BEST REGARDS,

A.A.BYKOV

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Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

PRM. Removed as a personal record misfile.

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

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

THE WHITE HOUSE
WASHINGTON

December 3, 1991

Dear Vladimir:

This is simply a note to reassure you that we are preparing the article on **U.S. Science and Technology** for inclusion in the new magazine **INTEX**, and we should be in a position to send it off to you by the end of the year. I regret that it has taken longer than I had anticipated to complete this particular manuscript.

I had the great pleasure of having dinner with academicians Laverov and Ossipyan a week ago here in Washington and I recall with pleasure our visit to the Soviet Union last summer.

I shall send you the manuscript as soon as it is available.

With warmest best wishes,

Sincerely yours,



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

Dr. V. V. Ezhov
Deputy Chairman of the USSR
State Committee for Science and Technology
11 Gorkey Street
Moscow
USSR

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9124231
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: MAYORSKIY, Boris: USSR MINISTRY OF FOREIGN AFFAIRS

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/25/91

SUBJECT: ANATOLIY V. SHISHKIN FORWARDS A LETTER THE LETTER
FROM MAYORSKIY REGARDING THE SECOND JOINT COMMISSION
MEETING IN COOPERATION IN BASIC SCIENTIFIC RESEARCH.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: INTERNATIONAL/POLICY
D. Allan Bromley
John O'Neil

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

OSTP RECEIVED: 09/30/91 DEPT RECEIVED:
FILE: P-INTERNATIONAL-USSR

EMBASSY OF THE
UNION OF SOVIET SOCIALIST REPUBLICS
1125 - 16TH ST. N.W.
WASHINGTON, D. C. 20036

RECEIVED

91 SEP 30 P 2: 55

September 25, 1991

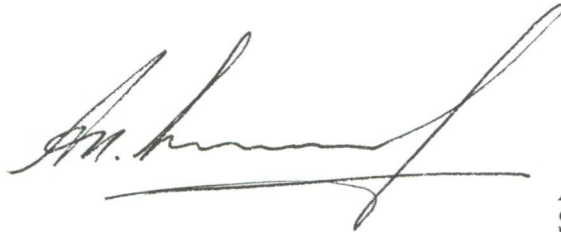
OFFICE OF THE
DIRECTOR

The Honorable D. Allan BROMLEY
Assistant to the President
for Science and Technology
Executive Office of the President
Washington, D.C. 20506

Dear Dr. Bromley:

On behalf of Ambassador B. Mayorskiy let me convey to you his letter
(attached).

With best regards,

A handwritten signature in dark ink, appearing to read 'A. Shishkin', with a long horizontal stroke extending to the right.

Anatoliy V. Shishkin,
Science Councillor

"26" August, 1991

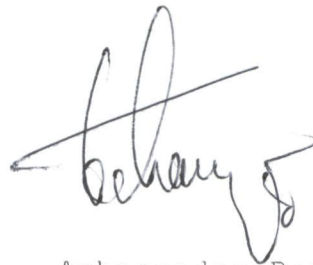
Dear Dr. Bromley,

Thank you very much for the letter that you were kind enough to send me in connection with the Second Joint Commission Meeting on Cooperation in Basic Scientific Research.

I fully share your assessment of the quality of the work done by the Joint Commission and your drive to advance the scientific and technical cooperation between our two countries to a broader framework.

I also look forward to working with you on this undertaking.

Yours very sincerely,

A handwritten signature in dark ink, appearing to read 'B. Mayorskiy', with a large, sweeping flourish extending from the end of the signature.

Ambassador Boris MAYORSKIY,

Director, Department of
International Scientific-
Technical Cooperation, USSR
Ministry of Foreign Affairs

Dr.D.Allan Bromley,
Assistant to the
President
for
Science and Technology,
White House,
Washington, D.C.

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION DOCUMENT NUMBER: 9124213
ORIGINATOR: 02 STATUS C DIRECTORATE STATUS

FROM: LAVEROV, N.P.: USSR STATE COMMITTEE FOR SCIENCE AND TECHNOLOGY

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/20/91

SUBJECT: A THANK YOU FOR THE LETTER OF 07/30/91 REGARDING
PROPOSALS ON ADVANCING THE FRAMEWORK OF SOVIET-US
S&T COOPERATION ON THE BASIS OF THE USSR-USA
AGREEMENT ON BASIC SCIENTIFIC RESEARCH.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY
John O'Neil

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

OSTP RECEIVED: 09/27/91 FILE: P-INTERNATIONAL-USSR
DEPT RECEIVED:

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02a. Letter	To: Allan Bromley From: N.P. Laverov Re: Soviet-American Commission on Basic Scientific Research [Russian] (1 pp.)	9/20/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: International Files - Country Files
WHORM Cat.:
File Location: International: USSR [1 of 2] [1991]

Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

PRM. Removed as a personal record misfile.

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

(b)(1) National security classified information [(b)(1) of the FOIA]
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(b)(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
(b)(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
(b)(9) Release would disclose geological or geophysical information

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
02b. Letter	To: Allan Bromley From: N.P. Laverov Re: Soviet-American Commission on Basic Scientific Research [English translation] (1 pp.)	9/20/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: International Files - Country Files
WHORM Cat.:
File Location: International: USSR [1 of 2] [1991]

Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

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

Mary Smit Logged

"CORRESPONDENCE TRACKING"

TYPE: ACTION DOCUMENT NUMBER: 9124178 ✓
ORIGINATOR: 02 STATUS I DIRECTORATE STATUS

FROM: HARDESTY, Boyd: THE UNIVERSITY OF TEXAS AT AUSTIN

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/18/91

SUBJECT: RE: A PROPOSAL TO ASSIST WITH THE SERIOUS SITUATION
FACING BIOCHEMISTS AND MOLECULAR BIOLOGISTS IN THE
USSR.

DIRECTORATE STAFF
ASSIGNED: INTERNATIONAL/POLICY ASSIGNED: JFO

ACTION STAFF
REQUIRED: AS NECESSARY ACTION:

SENDER'S DUE DATE: STAFF DUE DATE 10/10/91
OSTP DUE DATE: 10/08/91 DATE COMPLETED/DEPT: National Security
DATE COMPLETED: 10/10/91

COPIES TO: D. Allan Bromley

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

Copy of letter prepared by John O'Neil and
signed by Dr. Bromley is attached.

OSTP RECEIVED: 09/24/91
DEPT RECEIVED:

FILE: P-INTERNATIONAL-USSR

CLOSED

THE WHITE HOUSE
WASHINGTON

October 10, 1991

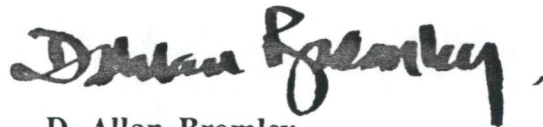
Dear Professor Hardesty:

Thank you very much for your letter of September 18, 1991, on the plight of scientists and scientific institutions in the Soviet Union. The situation which you very articulately described concerns me greatly, and does indeed affect all areas of science in the Soviet Union. I am following developments closely, in particular, the drain of scientific talent from the Soviet Union and opportunities for their young scientists to spend time in our laboratories.

These issues are discussed in virtually every meeting with Soviet scientists and science officials. This past May, I raised them in my discussions in Moscow and Novosibirsk, when we met on the US-USSR Agreement on Cooperation in the Field of Basic Scientific Research. Academician Spirin participated in those discussions. In fact, this agreement provides opportunities for Soviet researchers to work in United States laboratories.

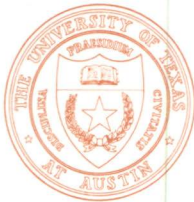
I appreciate your comments. They will be extremely helpful in future discussions with Soviet officials and in deliberations within our Government on this problem.

Sincerely,



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

Professor Boyd Hardesty
Department of Chemistry
The University of Texas at Austin
Austin, Texas 78712-1096



COLLEGE OF NATURAL SCIENCES

THE UNIVERSITY OF TEXAS AT AUSTIN

RECEIVED

Clayton Foundation Biochemical Institute • Experimental Science Building 442 • Austin, Texas 78712-1096

91 SEP 24 P 3: 38

OFFICE OF THE
DIRECTOR

18 September 1991

Dr. D. Allan Bromley
Assistant to the President for Science & Technology
Old Executive Office Building
17th & Pennsylvania Ave.
Washington, D.C. 20500

Dear Dr. Bromley:

I am writing to you about the very serious situation facing biochemists and molecular biologists in the U.S.S.R.. I suspect that my comments are applicable to other areas of science for which I have no direct information.

I recently returned from a conference on protein biosynthesis (Pushchino, Moscow Region, 27 Aug - 3 Sep 1991) during which I talked at length with Drs. Alex Spirin, Director of the Institute of Protein Research; Lev Kisselev, Engelhardt Institute of Molecular Biology in Moscow; Alex Bogdanov, A.N. Belozersky Laboratory of Molecular Biology - Moscow State University; and others about the situation. In the past, many of the best laboratories have been funded primarily through the Academy of Sciences of the U.S.S.R.. With political and economic decentralization, it is not clear what funding they will receive in the future. At best, it will be limited to rubles. At present, they are able to pay salaries, but not at a rate that approaches the rate of inflation. There is no Western currency for repair parts and supplies that can be obtained only from Western countries. Work in most laboratories is severely restricted or completely blocked because of equipment failure and a shortage of relatively small items. Perhaps the most serious aspect of the situation is the rapid acceleration of the "brain drain" with young Ph.D.s.

The functional or even physical loss of these laboratories would be very unfortunate. Most of them compare very favorably with laboratories in the U.S. and Western Europe. At least one small company, Ribogene, Inc. (3603 Haven Ave., Ste. D, Menlo Park, CA 94025) is a direct outgrowth of technology developed in Dr. Spirin's laboratory at the Institute of Protein Research. Loss of these laboratories would seriously compromise biochemistry, molecular biology, and related sciences in the

18 September 1991

U.S.S.R. for decades, with related economic and social effects in biotechnology and medicine.

Based on my personal experience, and discussions with the Soviet scientists indicated above, I propose the following be implemented as quickly as possible.

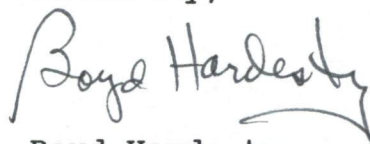
1. A modest amount of Western currency be made available to keep these key laboratories in operation. The amount should be adequate to provide at least parts and critical supplies that must be purchased from Western sources.

2. Funds be provided for young Soviet scientists to work in U.S. laboratories on joint projects involving their home laboratory for relatively short periods, say three to six months.

Joint projects and relatively short stays in the U.S. with the possibility of returning are the key components in this proposal. Inevitably, the young scientists would carry ideas, data, and special materials (plasmids, special DNA constructs, isolated enzymes, especially prepared compounds) in both directions. I have used this approach during the last several years with four young Soviet scientists, with excellent, mutually beneficial results. The situation differs from a typical postdoctoral position in which a young scientist comes for two or three years to work on a project being carried out within the host laboratory. The proposal presented above comes close to that presented recently by Jeremy Stone, President of the Federation of American Scientists (FAS Journal, Vol 44, No. 4; July/August, 1991). Similar proposals have been presented to the German Max Planck Society and are being considered for presentation to the Canadian Royal Society and the Academy of Sciences of The Netherlands.

The limiting factor is money. A relatively small amount would be required, and most of this would go back directly into the U.S. economy.

Sincerely,



Boyd Hardesty
Professor of Chemistry

cc:

Jeremy Stone, Pres., F.A.S.

Frank Press, Pres., N.A.S.

John Gibbons, Director, O.T.A.

George Brown, Chairman, SS and T Committee

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

ORIGINATOR: 02

STATUS C

DOCUMENT NUMBER: 9124074

DIRECTORATE STATUS

FROM: PANOFSKY, Wolfgang K.H.: NATIONAL ACADEMY OF SCIENCES,
Committee on International Security and Arms Control

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 09/12/91

SUBJECT: RE: THE RECENT DRAMATIC EVENTS IN THE SOVIET UNION
AND WHETHER OR NOT A BRIEFING TO THE OSTP STAFF
REMAINS OF INTEREST.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
NATIONAL SECURITY
INTERNATIONAL/POLICY

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

OSTP RECEIVED: 09/18/91
DEPT RECEIVED:

FILE: P-INTERNATIONAL-USSR

4074

NATIONAL ACADEMY OF SCIENCES
COMMITTEE ON INTERNATIONAL SECURITY AND ARMS CONTROL

2101 Constitution Avenue Washington, D.C. 20418

RECEIVED

91 SEP 18 P 2: 03

OFFICE OF THE
DIRECTOR

September 12, 1991

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

Dear Allan:

Your letter, dated September 3, 1991, addressed to me at the National Academy of Sciences, only reached me today. As you have probably been informed, we have gone forward with the press conference on September 5, 1991 which resulted in extensive coverage in the media. Senate hearings featuring the report by the Committee on Foreign Relations are currently scheduled for September 25, 1991.

We do not believe that, while the work on the report was started about a year ago, its conclusions are in any way made obsolete by the recent dramatic events in the Soviet Union. Specifically it was recognized in the report that events in the Soviet Union could not be predicted, there did appear to be a very limited chance of the re-emergence of a powerful, externally aggressive regime or reconstitution of a structure similar to the now defunct Warsaw Treaty Organization. We therefore explicitly designed our recommendations to be robust against future developments in the Soviet Union, including those which we have witnessed during the last weeks.

One might even say that the events during the coup and its aftermath have strengthened one of the premises of our report: that possession of nuclear weapons implies both assets and liabilities, and that future forces should strive for the best balance between such assets and liabilities. They are an asset in that they deter the use of nuclear weapons by unfriendly parties; they are a liability in that the nuclear stockpiles must be kept under confident control even in the face of upheavals of the types we are seeing in the world. The events during the coup have only emphasized the importance of the latter liability.

I have asked Ms. Jo Husbands of the CISAC office to get in touch with your office to explore whether a briefing to you and OSTP staff remains of interest.

With best personal regards,



Wolfgang K. H. Panofsky
Chairman

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

DAB has seen

*files
9/26*

September 25, 1991

MEMORANDUM FOR D. ALLAN BROMLEY

THROUGH: MICHELLE VAN CLEAVE *mb*
FROM: JOHN F. O'NEIL *JO*
SUBJECT: VISIT BY DR. WOLFGANG PANOFSKY

I met with Dr. Panofsky on your behalf on September 19, 1991 to hear about the NAS report entitled "The Future of the U.S.-Soviet Nuclear Relationship." Dr. Panofsky indicated that he would brief State and ACDA that same afternoon, and testify before the Senate Foreign Relations Committee this week. He also indicated that Secretary Watkins is trying to arrange a briefing at DOE.

He initially reiterated points from his September 12, 1991 letter (Tab A) to you. He then stated that the optimum policy for possession of nuclear weapons should balance the benefits and liabilities. He said the report tries to arrive at that balance. He then discussed the findings of the report, about which I am prepared to provide more information should you desire it.

Dr. Panofsky offered that he will available in town September 24-26, if needed.

"CORRESPONDENCE TRACKING"

TYPE: ACTION
ORIGINATOR: 02

DOCUMENT NUMBER: 9122895
DIRECTORATE STATUS

STATUS I

FROM: LAVEROV, Nikolay: USSR DEPUTY PRIME MINISTER

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 7/29/91

SUBJECT: THE IDEA OF (as noted in the Second Session of the
Joint Commission on basic scientific research)
WORKING OUT NEW APPROACHES TO THE CONCEPTION OF THE
SCIENCE-TECHNICAL COOPERATION BETWEEN THE US & USSR.

DIRECTORATE
ASSIGNED: INTERNATIONAL/POLICY

STAFF
ASSIGNED: O'Neil

ACTION
REQUIRED: FOR DAB'S SIGNATURE

STAFF
ACTION:

SENDER'S DUE DATE:

OSTP DUE DATE: 08/12/91

STAFF DUE DATE

DATE COMPLETED:

DATE COMPLETED/DEPT:

COPIES TO: D. Allan Bromley
John O'Neil

WHITE HOUSE TRACKING #:

CONTACT PERSON:

PHONE:

EXT:

REMARKS:

CLOSED

OSTP RECEIVED: 07/29/91
DEPT RECEIVED:

FILE: ^D -INTERNATIONAL-USSR

Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03a. Letter	To: Nikolay Laverov From: Allan Bromley Re: US-Soviet S&T Cooperation (1 pp.)	7/30/91	(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: International Files - Country Files
WHORM Cat.:
File Location: International: USSR [1 of 2] [1991]

Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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PRM. Removed as a personal record misfile.

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Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03b. Letter	To: Allan Bromley From: Nikolay Laverov Re: US-Soviet S&T Cooperation [English translation] (1 pp.)		(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: International Files - Country Files
WHORM Cat.:
File Location: International: USSR [1 of 2] [1991]

Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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Withdrawal/Redaction Sheet

(George Bush Library)

Document No. and Type	Subject/Title of Document	Date	Restriction	Class.
03c. Letter	To: Allan Bromley From: Nikolay Laverov Re: US-Soviet S&T Cooperation [Russian] (2 pp.)		(b)(1)	

Collection:

Record Group: Bush Presidential Records
Office: Science and Technology Policy, Office of (OSTP)
Series: Bromley, D. Allan, Files
Subseries: International Files - Country Files
WHORM Cat.:
File Location: International: USSR [1 of 2] [1991]

Date Closed:	5/5/2010	OA/ID Number:	62067-006
FOIA/SYS Case #:	2005-0336-F	Appeal Case #:	
Re-review Case #:		Appeal Disposition:	
P-2/P-5 Review Case #:		Disposition Date:	
AR Case #:		MR Case #:	
AR Disposition:		MR Disposition:	
AR Disposition Date:		MR Disposition Date:	

RESTRICTION CODES

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

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

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

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

(b)(1) National security classified information [(b)(1) of the FOIA]
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(b)(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

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9122575

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: MARCHUK, G.: ACADEMY OF SCIENCES OF THE USSR

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/05/91

SUBJECT: A COPY OF "PROGRAM ON BIOSPHERE AND ECOLOGY RESEARCH
AT THE ACADEMY OF SCIENCES OF THE USSR" FOR THE
PERIOD OF UP TO THE YEAR 2015

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY
JOHN O'NEIL

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

CLOSED

OSTP RECEIVED: 07/22/91
DEPT RECEIVED:

FILE: P-INTERNATIONAL-USSR



3578

АКАДЕМИЯ НАУК
РЕЦЕИВ
СОЮЗА СОВЕТСКИХ СОЦИАЛИСТИЧЕСКИХ РЕСПУБЛИК

91 JUL 22 1972
ACADEMY OF SCIENCES OF THE USSR

Москва, В-71
Ленинский проспект, 14
Телефон: 232-29-10
Телекс: 7564 ANS SU
Для телеграмм: Москва В-71
Наука

OFFICE OF THE
DIRECTOR

Moscow V-71
Leninski prospect, 14
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05.07.91 № 387

Professor A. Bromley
Science Adviser to the President
The White House
Washington
USA

Dear professor Bromley:

As I have promised I have a pleasure to send you a copy of "Program on Biosphere and Ecology Research at the Academy of Sciences of the USSR" for the period of up to the year of 2015.

I would like also to use this opportunity to thank you again for our recent meeting in Washington and extremely interesting and informative discussion concerning potential areas for Soviet-American scientific cooperation. I agree that mentioned "Global Change" program, Software Standardization, Space research, International Science Foundation are the areas of high priority and I hope that in the near future it will be possible for our scientists and research institutions to establish needed contacts to start realization of these ideas.

Looking forward to continue our exchange of views with respect to this subject of mutual interest, with cordial regards and best wishes,

Sincerely yours

academician G. Marchuk
President

Academy of Sciences of the USSR

АКАДЕМИЯ НАУК СССР
КОМИССИЯ ПО ПРОБЛЕМАМ ЭКОЛОГИИ

ОСНОВНЫЕ НАУЧНЫЕ НАПРАВЛЕНИЯ
И ТЕМЫ «ПРОГРАММЫ БИОСФЕРНЫХ
И ЭКОЛОГИЧЕСКИХ ИССЛЕДОВАНИЙ АН СССР
на период до 2015 года»

МОСКВА 1989

THE WHITE HOUSE
WASHINGTON

July 31, 1991

Dear President Marchuk:

Many thanks for the copy of your report "Program on Biosphere and Ecology Research at the Academy of the Sciences of the USSR" that covers the period up to the year 2015. My colleagues and I have been very much interested in the report.

It was a great pleasure to see you, not only here in Washington, but also during our earlier trip to the Soviet Union when we were able to experience your gracious, warm hospitality and to see some of the excellent work that you have in progress.

As you know, I am convinced that we are on the threshold of a new era of cooperation between our two great countries where the initiatives will come from the individual scientists and institutions, and where our intergovernmental arrangements will be designed to facilitate and strengthen such interactions. My colleagues and I look forward to working with you in making this happen.

Let me also thank you for the Academy watch that you were kind enough to present to me during your last visit. It is something that I shall be delighted to have.

With warmest regards and all best wishes for a very successful year in what I recognize to be a difficult and challenging time,

Sincerely yours,



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

Academician G. Marchuk
President
Academy of Sciences of the USSR
Moscow V-71
Leninski Prospect, 14
Moscow, USSR

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9122003

ORIGINATOR: 02

STATUS C

DIRECTORATE STATUS

FROM: SCHMITT, Roland W.: RENSSELAER

TO: DR. D.A. BROMLEY

DATE OF
CORRESPONDENCE: 07/03/91

SUBJECT: RE: THE RUSSIAN AMERICAN UNIVERSITY CONSORTIUM
PROJECT.

DIRECTORATE STAFF
ASSIGNED: ASSIGNED:

ACTION STAFF
REQUIRED: ACTION:

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

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

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

OSTP RECEIVED: 07/08/91
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FILE: P-
#-INTERNATIONAL-USSR

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Rensselaer

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91 JUL 8 P 3: 46

ROLAND W. SCHMITT
President

OFFICE OF THE
DIRECTOR

July 3, 1991

The Honorable D. Allan Bromley
Assistant to the President for
Science and Technology/Director
Executive Office of the President
17th and Pennsylvania Avenue, NW
Washington, DC 20506

Dear Allan:

Thanks for meeting with me last Friday on the Russian American University Consortium project. I am very glad that we had the opportunity to talk together so that I could explain in greater depth just what we are attempting to do. Your concurrence in the validity of the concept and encouragement were welcome and will be useful to us. I would again ask that as discussions with the Soviet Union about any form of aid progress that you keep our initiative in mind as a desirable part of whatever is done.

As I mentioned, I had seen Michael Boskin prior to coming to your office and his reaction was similar to yours. On the advice of both of you, we will proceed to discussions with several agencies; the first of these will be AID. Erich Bloch, who is also on the board of RAUC, and I will be making an appointment with Ronald W. Raskens, the Administrator of AID, sometime in July.

I will keep you informed of our progress and will appreciate whatever further encouragement and support you can give us.

Sincerely,

"CORRESPONDENCE TRACKING"

TYPE: INFORMATION

DOCUMENT NUMBER: 9121518

FROM: SAYRE, John M.: ASSISTANT SECRETARY, DEPARTMENT OF THE INTERIOR

TO: DR. BROMLEY

DATE OF
CORRESPONDENCE: 05/23/91

SUBJECT: RE: THE US-USSR JOINT COMMISSION MEETING ON THE
BASIC SCIENCES AGREEMENT.

ASSIGNED TO:

ACTION REQUIRED:

SENDER'S DUE DATE:

OSTP DUE DATE:

DATE COMPLETED:

COPIES TO: D. Allan Bromley
INTERNATIONAL/POLICY

WHITE HOUSE TRACKING #:

CONTACT PERSON:

REMARKS:

DATE RECEIVED: 05/28/91

FILE: INTERNATIONAL -USSR

UNITED STATES
DEPARTMENT OF THE INTERIOR
WASHINGTON

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MAY 23 1991
91-MAY 26 12:33

Dr. D. Allan Bromley
Assistant to the President for Science
and Technology
Office of Science and Technology Policy
Old Executive Office Building - Rm. 360
17th & Pennsylvania Ave., NW
Washington, D.C. 20506

OFFICE OF THE
DIRECTOR

Dear Dr. Bromley:

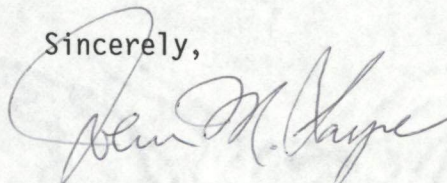
It was a great pleasure for me to be a delegate to the US-USSR Joint Commission Meeting on the Basic Sciences Agreement last week while we were in Moscow. This was my first opportunity to participate in such a meeting and under your excellent leadership, I believe that, in my opinion, the meeting was a great success.

I am sure that I gained more from the experience than perhaps anyone else in the delegation, and it was great to become better acquainted with you, Tom Ratchford, and other members of the delegation. It also gave me the opportunity to become familiar with some of the scientific matters of which, as a lawyer, I am not as familiar. It was, thus, a great learning experience and indeed a real opportunity for me to broaden my knowledge of science and technology.

It is always a pleasure for me, of course, to be associated with the U.S. Geological Survey (USGS) and I am pleased that one of the MOU's that was executed at the meeting was one between USGS and the USSR Main Administration of Geodesy and Cartography.

Again, many thanks for the opportunity, and it was indeed a pleasure for me to attend and to contribute in what small way I could.

Sincerely,



John M. Sayre