

THE RECORD OF THE MEETING OF THE REPRESENTATIVES OF
LANL, LLNL, AND SNL, AND REPRESENTATIVES OF THE NATIONAL
NUCLEAR WEAPONS CENTERS OF RUSSIA: ARZAMAS - 16 AND
CHELYABINSK-70 ON POSSIBLE AREAS OF COLLABORATION REGARDING
CONVERSION ACTIVITIES.

Moscow, May 28-29, 1992

The following participants took part in the discussions

William H. Dunlop, LLNL
Andre S. Kusubov, LLNL
John F. Holzrichter, LLNL
Stephen M. Younger, LANL
James P. Shipley, LANL
John W. Shaner, LANL
Paul A. Stokes, SNL
Thomas D. Hunter, SNL

V.A. Belugin, Arzamas-16
V.V. Zorya, Arzamas-16
Yu.A. Trutnev, Arzamas-16
Yu.I. Faikov, Arzamas-16
G.A. Kirillov, Arzamas-16
L.M. Timonin, Arzamas-16
V.Z. Nechai, Chelyabinsk-70
B.V. Litvinov, Chelyabinsk-70
A.N. Senkin, Chelyabinsk-70
Yu.I. Kuznetsov, Chelyabinsk-70
V.M. Ivanov, MINATOM
V.M. Mihailov, MINATOM
V.I. Prostakov, MINATOM
Yu.N. Busurin, MINATOM

As a follow-on to discussions between the directors of the American and Russian national laboratories an exchange of views on further cooperation took place in Moscow on May 28-29, 1992.

The parties took note of the memorandum: "Proposal of the nuclear weapons institutes of the Russian Federation, Russian Institute of Experimental Physics and Russian Institute of Technical Physics (Arzamas 16 and Chelyabinsk 70) and the national laboratories of the US; Los Alamos National Laboratory and Lawrence Livermore National Laboratory for collaboration in the fields of surety, reduction, and non-proliferation of nuclear weapons and scientific research," signed by the Directors of the US Laboratories and Russian Institutes. In view of the fact that the memorandum has not been approved by the DOE, and that both parties acknowledge a necessity for further cooperation, the Russian side has accepted the US proposal for the following topics taken from the memorandum:

- Environmental Sciences
- Computation
- Nuclear Power Safety
- Energy
- Innovative Materials Development
- Manufacturing Technologies
- Lasers
- Medical Technologies
- Nonproliferation Research
- Accelerator Transmutation of Waste
- Pulsed Power
- Basic Science Topics

The representatives of the United States laboratories have

confirmed their interest in carrying out joint research on a number of mutually interesting problems. The laboratories and the institutes agreed to assign representatives (hereafter referred to as liason officers): John Shaner from Los Alamos, William Dunlop and Andre Kusubov from LLNL, Paul Stokes from Sandia; Valerii Zorya from the All Russian Institute of Experimental Physics, and Oleg Buryakov from the All Russian Institute of Technical Physics.

In the course of the meeting specific technical discussions occurred on the following topics:

- Environmental Sciences
- Nuclear Power Safety
- Basic Sciences
- Medical Technologies

Some of the activities and interests of the US laboratories were discussed in all of the topics above. As examples of potential collaborations, written proposals were presented by the Russian Institutes related to the topics of environmental research, nuclear power safety, and basic sciences including ultra-high magnetic fields, lasers, atomic and nuclear physics, and pulsed power. It was concluded that there was significant mutual interest in all of the topics to warrant subsequent meetings of technical experts to identify specific collaborative projects.

The exchange of view points on the above problems allowed the sides to agree that the liason officers shall notify all parties of the names and positions of the persons which will lead the specific effort for each topic. It was agreed that environmental research would be discussed in a future meeting. An attempt will be made to schedule this meeting

for July 1992. The three persons to lead this topic for the U.S. are A. Glass from LLNL, T. Hunter from SNL, and J. Shipley from Los Alamos. The persons to lead this topic from Russia will be provided to the liaison officers. The location, scope, and participants will be identified.

It was proposed that the host country pay for the costs of the visiting scientists in the host's country. This would be true for on going projects as well as for visits to develop new project areas. It was discussed that for special circumstances other arrangements could be made. It was also suggested that these arrangements for covering the costs of visits should be reviewed periodically to see that they are still appropriate.

The two sides agree that these discussions reflect their continued commitments to establish closer contacts between national laboratories and institutes in the areas of mutual interest to their respective governments.

Signed

Representing the Minatom and Russian Institutes


V.M. Ivanov


B.V. Litvinov 29.05.92


V.V. Zorya 29.05.92

Representing the U.S. National Laboratories


W.H. Dunlop


J.W. Shaner


F.A. Stokes