

DEPARTMENT OF DEFENSE  
MILITARY LIAISON COMMITTEE  
to the  
ATOMIC ENERGY COMMISSION  
P.O. Box 1814, Washington, D.C.

Copy 16

OSD1.950209.041

Maj Standifer  
Ext 62982  
Nuc Pow Div

2 November 1954

INFORMATION ITEM

SUBJECT: Collaboration with Other Countries in Peacetime  
Uses of Atomic Energy

MIC MEETING: 9 November 1954

REFERENCE: (a) Letter to Chairman, MLC, from Chairman, AEC,  
subject as above, 27 October 1954 (copy  
attached) (16863 - 20)

Information copies of reference (a) were distributed by the Assistant to the Secretary of Defense (Atomic Energy) to contacts within the Military Departments and Department of Defense for matters pertaining to the Operations Coordinating Board Working Group on Nuclear Energy Projects and Related Information.

  
OREN S. RICHARDSON  
Colonel, USAF  
Executive Secretary

Inclosure:  
Ref (a)

United States  
ATOMIC ENERGY COMMISSION  
Washington 25, D. C.

October 27, 1954

Dear General Loper:

This is to advise you of action taken by the Commission to implement the Nation's program for collaboration with other countries in peacetime uses of atomic energy. This program was proposed initially by the President in his address before the United Nations General Assembly on December 8, 1953, and restated in his remarks in connection with the ground breaking for the PWR plant on September 6, 1954. Secretary Dulles elaborated on the program in his address before the United Nations General Assembly on September 23, 1954.

The Commission is considering a number of steps which might be taken to put this program into effect. Many of them will require further careful study before decisions can be reached. Plans have been developed and approved by the Commission, however, to arrange at the earliest possible date, in accordance with the provisions of the Atomic Energy Act of 1954, for training students from foreign countries in reactor technology, in biological and medical applications of atomic energy, and in use of radioisotopes. The Commission is also developing arrangements to aid in the construction of small-scale research reactors in foreign countries, including provision of special nuclear material.

Construction and foreign delivery of research reactors or components including fuel elements, or transmission of restricted data information, will not be undertaken except in accordance with agreements for cooperation provided for in the Atomic Energy Act of 1954. Except for special provisions of agreements for cooperation, it is assumed that foreign countries will secure reactors or their component parts through commercial channels.

With regard to the training of foreign students, the Commission has approved establishment of a course in reactor technology to which students from this country and other countries will be admitted. It is expected that an interim course will be started by early in 1955 with 30 students, of which up to 20 may be from foreign countries. The first full course to run for 12 months is expected to be started later in the year for 80 students, of which up to 50 may be from foreign countries. These courses will include only unclassified information. It is contemplated, however, that a course which will include classified information will be established at a later date. The subject matter of this course will depend on the provisions of agreements for

cooperation with foreign countries and enrollment will be limited to nationals of the countries with which these agreements are negotiated.

It is contemplated that the courses will be given at one of the national laboratories, and further study is being made of the best specific location. The Commission has authorized constructing and equipping the necessary facilities as soon as the location is determined, within a ceiling of \$500,000, using any funds available to the AEC or other agencies for this purpose. It has also authorized use of available operating funds for the course to be started in February 1955. Tuition rates will be established which, it is estimated, will recover approximately the direct costs of operation, but will not cover all fixed charges such as overhead and depreciation. The Commission will explore with other federal agencies such as POA the possibility of AEC being reimbursed for training costs for foreign students under this program.

The Commission currently administers programs of training in industrial medicine, industrial hygiene and radiological physics in cooperation with several outstanding universities to fill needs in the AEC program for persons specifically trained in these fields. These students have now and will continue to have full "Q" clearances in order to assure that we do not train persons who would not subsequently be eligible for employment. The courses themselves, however, are essentially unclassified, and can easily be made wholly unclassified.

Trained personnel in these fields are, in our judgment, indispensable to the operation of reactors and the use of radioactive materials by friendly foreign nations. The Commission is prepared to adapt these programs to accommodate 20 to 30 qualified foreign students per year. In addition, it is proposed that short courses in the theory and use of radiation instruments be established to accommodate 30 to 40 foreign students per year.

Our experience also indicates that practicing physicians and scientists from foreign countries would benefit from participation in unclassified biological and medical research at our major laboratories, for example, the very active program in agricultural research at Brookhaven which has gained world-wide recognition, and cancer research at the Argonne Cancer Research Hospital. From 20 to 30 foreign students and scientists could be accommodated annually in this work.

Short unclassified orientation courses in radiation medicine, including cancer, are also proposed for physicians and experts in the field of medicine from foreign countries. These courses, of from three to eight weeks duration, could accommodate 60 or more foreign scientists and physicians per year. The orientation courses would be broken up into specified short stays at, say, Argonne Cancer Research Hospital, ORINS Cancer Research Hospital at Oak Ridge, Brookhaven National Laboratory, Western Reserve University Medical School, Massachusetts General Hospital, and Harvard Medical School.

The Commission has authorized negotiation of arrangements with the institutions concerned for the conduct of these biological and medical programs, and informal discussions indicate that they can be completed within a reasonably short time. The costs involved will depend on the final arrangements made. The Commission will explore the possibility of obtaining financial assistance from other federal agencies for support of these programs.

The Commission has also approved an increase in the number of foreign students attending the unclassified training courses in the use of radioisotope tracer techniques conducted by the Oak Ridge Institute of Nuclear Studies.

Since October 1948, a limited number of foreign students have been permitted to attend these courses if they were from a country registered to receive radioisotopes from the Commission, if their attendance would not prevent the attendance of a qualified U.S. citizen, if the application had been processed through the Department of State, and if appropriate file checks by the Commission revealed that the individual was not of sympathies inimical to the best interests of the U.S.

The Commission has now approved offering a special four week course for approximately 30 foreigners early in 1955, and subsequent special courses if necessary. The Commission has also authorized admission of foreign students to the regularly scheduled courses in 1955 up to 15% of the total enrollment. The qualifications for admission in effect since 1948 will be continued. The costs of the special course planned for 1955 can be absorbed within the current budget of the Oak Ridge Institute.

Sincerely yours,

/s/ Lewis L. Strauss

Chairman

Honorable Herbert B. Loper  
Chairman, Military Liaison Committee  
to the Atomic Energy Commission