Honorable J. Edgar Hoover  
Director, Federal Bureau of  
Investigation  
United States Department of Justice

SUBJECT:  

Dear Mr. Hoover:

Federal Bureau of Investigation memorandum dated October 13, 1966, 
mentioned as above, noted that Assistant Attorney General J. Walter Yeagley 
had been requested to advise the FBI whether Dr. Zalman Mordecai Shapiro 
or Nuclear Materials and Equipment Corporation (NUMEC), Apollo, 
Pennsylvania, was required to register under the Foreign Agents Registration 
Act of 1938, as amended.

The memorandum thereafter set forth an opinion by Mr. Yeagley, which 
referred to certain activities of Dr. Shapiro and NUMEC related to the 
Israeli Government, and concluded "it does not appear that the subject 
or his company is constituted an agent of a foreign principal under the 
Foreign Agents Registration Act, as amended, so as to require registration 
thereunder."

As the FBI is aware, the Department of Justice, to service the inquiry of 
the Joint Committee on Atomic Energy on the point, advised the AEC of 
such opinion by letter of October 21, 1966. Such letter has been furnished 
the JCAE.

The JCAE now has inquired as to whether the Department of Justice 
determination concerning the nonsusceptibility to registration of Shapiro and 
NUMEC under the Foreign Agents Registration Act, as amended, applies to 
their reported activities relative to countries other than Israel, including
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France, Sweden, Italy, Japan, Canada, Australia, Belgium, and Germany. We would appreciate your obtaining advice from the Department of Justice on such point.

Transmitted herewith, in this connection, is a summary of the foreign activities of NUMEC as they are known to the Division of Security.

Sincerely yours,

J. V. Vinciguerra
Assistant General Manager
for Administration

Enclosure:
List of Foreign Governments and Private Firms Related to NUMEC
The following is a list of foreign governments and private firms with which NUMEC has either contracts, agreements or has had preliminary discussions in the field of nuclear energy.

1. NUMEC and Société d'Applications Industrielles de la Physique (SAIF) have formed NUMEC Instruments and Controls Corporation (NUMINCO). The firm is a Pennsylvania corporation and is located in Monroeville, Pennsylvania. It is established to manufacture and market nuclear instruments and instrumentation and process-control equipment (principally nuclear). NUMEC and SAIF each hold a one-third interest, with the remaining interests being held by a group of private investors. SAIF will manufacture most of the products and NUMEC will be responsible for management, technical back-up and marketing. Some of the products to be manufactured are transistor scalers, liquid scintillation spectrometers, neutron, beta and gamma detectors, criticality alarm systems, density-gauging systems, etc.

2. NUMEC, in connection with NUMINCO, represents the Commissariat a l'Energie Atomique (French AEC) BP 66, Fontenay-Aux-Roses, France to manufacture and sell isotopic sources.

3. The A. Johnson Company, Strueplan 3, Stockholm, Sweden, represents NUMEC in that country and other Scandinavian countries for the sale of NUMEC products.

4. Electromonelonica, S.P.A. Via Bisleri 19, Milan, Italy, represents NUMEC in the sale of instruments and neutron sources.

5. NUMEC is a sales agent for the Government of Israel through its Ministry of Defense, Division of Supplies, 830 Third Avenue, New York 22, New York. In this connection, NUMEC has an arrangement with the Israel Atomic Energy Commission to do biological work on insect control; and assist in establishing facilities for the irradiation and preservation of citrus fruits. In this latter connection, NUMEC and the Government of Israel (represented by the Israeli AEC) have formed a company in Israel called Isotopes and Radiation Enterprises Ltd (ISORAD) which is an organization to do experimental and commercial work in irradiation processing of foodstuffs and other commodities, such as medical supplies. NUMEC and the Government of Israel are equal partners in this venture.

6. NUMEC is now completing a contract with the Japan Atomic Fuel Corporation, 2-7 Kirakawa, Cho, Chiyoda - ku, Tokyo, Japan, a wholly-owned subsidiary of the Japanese Government for the design and supervision of construction of a Plutonium Laboratory at Tokai-Mururo.

7. The Eldorado Mining and Refining Company, Ltd., Fort Hope, Ontario, Canada - NUMEC purchases natural uranium from Eldorado.

8. NUMEC recently completed a contract with the Australian Government to supply that government 330 Plutonium-Aluminum fuel elements.

9. Rene Schurmanns Company of Brussels, Belgium, is a NUMEC sales representative in the Common Market nations.

10. NUMEC is now completing manufacture of two small 3-watt terrestrial SNAP generators for the Government of Israel.
11. NUMEC has discussed with cognizant Spanish officials the possibility of a joint venture in food irradiation.

12. NUMEC is exploring with Mitsubishi International the possibility of sales representation in Japan for NUMEC - designed SNAP generators.

13. NUMEC has initiated discussions looking toward the purchase of the Dow Chemical Company's 30% interest in ALKEM, a German company. Discussions are very preliminary.

14. NUMEC is exploring with International Research and Development Ltd. the possibility of manufacturing and selling in the United States a laser ophthalmoscope, a device for retina welding.

**GENERAL**

According to Dr. Zalman Shapiro, NUMEC has filled, and continues to fill, orders for the manufacture of fuel materials and devices incorporating special nuclear materials for foreign companies and governments. In each case, assurance is sought with respect to the existence of an effective Agreement for Cooperation with the nation in question and on appropriate inter-governmental contract. All shipments are duly licensed, as required, by the U. S. Atomic Energy Commission.