

NEWS FROM



FUSION POWER ASSOCIATES

2 PROFESSIONAL DRIVE, SUITE 248 • GAITHERSBURG, MARYLAND 20760

(301) 258-0545

November 9, 1979
For Immediate Release

NEW INDUSTRY-BASED FUSION ASSOCIATION FORMED

Ten major high technology companies have become charter members of the Fusion Power Associates, a new non-profit corporation. The new association will pursue the development and utilization of fusion as an environmentally attractive energy option. Dr. Stephen O. Dean, President and Chairman of the Board of Directors, said "Fusion science has progressed rapidly in the past few years. It is now important, if not urgent, to pursue, more actively, engineering and technology development of reliable, practical fusion energy systems. Fusion has the potential to revolutionize industrial civilization."

The ten charter members of Fusion Power Associates are:

BDM Corporation
McLean, Virginia

KMS Fusion, Inc.
Ann Arbor, Michigan

Ebasco Services
New York, New York

Mathematical Sciences Northwest, Inc.
Bellevue, Washington

General Atomic Company
San Diego, California

McDonnell-Douglas Astronautics Company
St. Louis, Missouri

ILC Technology, Inc.
Sunnyvale, California

Quadrex Corporation
San Jose, California

JAYCOR
Del Mar, California

Science Applications, Inc.
La Jolla, California

Although primarily industry-based, membership is open to all public and private organizations which share the Associates' goals:

- To help bridge the gap between scientific research on fusion energy and its engineering development.
- To assist in the development of greater public awareness and understanding of the potential of fusion energy.
- To foster cooperation in fusion research and development among all public and private organizations, including government, universities, national laboratories and industry.

Members of the Board of Directors are:

Stephen O. Dean, Chairman
President
Fusion Power Associates

Paul Reardon
Head, TFTR Program
Princeton University

Henry J. Gomberg, Vice Chairman
President
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Leonard F.P. Reichle
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Director, Plasma Fusion Center
Massachusetts Institute of Technology

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Gerold Yonas
Director, Pulsed Energy Programs
Sandia Laboratories

Tihiro Ohkawa
Vice President
General Atomic Company

Donald P. Zeifang
Senior Vice President
National Association of Broadcasters

Fusion is the fundamental energy process of the sun and other stars. Scientists have been making rapid strides in understanding and developing the fusion process for use on earth. Acceleration of fusion engineering development will assure the option of useful energy applications early in the next century.

The fuel for fusion energy is abundantly available from water. There is enough fusion fuel available to provide the world with a primary energy source for billions of years. One gallon of water contains fusion fuel with an energy content equivalent to 300 gallons of gasoline. Fusion fuel releases a million times more energy than burning a comparable weight of coal or oil and eight times more energy than the nuclear fission of a comparable weight of uranium.

For further information contact Dr. Stephen O. Dean, (301)258-0545.



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December 1, 1979

This is the first in a series of Executive Newsletters designed to keep the Board of Directors, and other interested parties, current on the activities of the Fusion Power Associates.

Reception

The Associates will sponsor a reception at the House Rayburn Building, Rm. 2318, on Monday, December 10 from 5:00-7:00 P.M. The reception will follow the meeting of the Fusion Advisory Committee to the House Science and Technology Committee which meets in Rm. 2325, beginning at 1:00 P.M. Three non-member companies have volunteered to co-host the reception with the Fusion Power Associates. They are Aydin Energy Division, Transrex Division of Gulton Industries and Westinghouse Fusion Power Systems Department.

The Fusion Advisory Committee is chaired by Bob Hirsch. Other members are: Richard Balzhiser, Robert Conn, Ersel Evans, T. Kenneth Fowler, Harold Furth, Joseph Gavin, John W. Landis, Tihiro Ohkawa, Robert Smith, and Alvin Trivelpiece.

A Congressional hearing of Mike McCormack's subcommittee is scheduled for the next day in Rm. 2318, beginning at 10:00 A.M. The Committee will take testimony from DOE officials and receive a report on the Advisory Committee's deliberations on the magnetic fusion program.

Press Release

A press release announcing the formation of the Associates was issued November 9. The release was also distributed at the AIF, ANS and IEEE Conferences in San Francisco and the APS Conference in Boston. An article appeared in Energy Daily on November 14. Anyone seeing articles in other papers are asked to send copies to the office. Several inquiries from potential new members, public relations firms and the media have resulted from the release.

Assistant Secretary-Treasurer

Ruth Ann Watkins, formerly of the Department of Energy, has joined the Fusion Power Associates as Assistant Secretary-Treasurer. Ruth will assist the President, the Secretary and the Treasurer in administering the affairs of the Associates.

Special Board Meeting

A special meeting of the Board of Directors is being scheduled for Tuesday, February 26 at the San Diego Hilton from 2 to 6 P.M. The meeting is scheduled for the convenience of those planning to attend the February 26-28 Topical Conference on Inertial Confinement Fusion at the Town and Country Motel in San Diego. The primary purpose of the meeting will be to discuss potential program activities of the Associates during 1980.

Potential Program Activities

Topics are solicited for discussion at the February 26 Special Board of Directors meeting. Topics identified so far have been grouped under three categories as follows:

- I. To help bridge the gap between scientific research in fusion energy and its engineering development,
 - . Prepare a generalized, engineering development strategy for the 1980's; coordinate with DOE; seek adoption as government policy.
 - . Arrange and/or participate in joint meetings between fusion scientists and engineers.
 - . Arrange and/or participate in joint meetings between fusion R&D personnel and potential user representatives, such as electric utilities.

- II. To assist in the development of greater public awareness and understanding of the potential of fusion energy,
 - . Arrange for the writing and publication of a popular book on fusion.
 - . Arrange for and encourage fusion personnel to appear on radio and television talk shows.
 - . Assist in the preparation of educational materials, including films for public television.
 - . Arrange seminars for groups such as science writers and utility personnel.
 - . Prepare and issue "fact sheets" on fusion topics.

- III. To foster cooperation in fusion research and development among all public and private organizations, including government, universities, national laboratories and industry,
 - . Joint sponsorship of seminars and meetings.
 - . Issue and distribute newsletter.
 - . Offer to mediate conflicts.
 - . Arrange visits and briefings.

Utility Affiliates

Mike Lotker of TSG, Inc. is under contract to Fusion Power Associates to serve as Coordinator for Utility Affiliates. Mike made a presentation to the EPRI Fusion Program Committee meeting in Albuquerque on November 7 which was well received.

Membership

Discussions are in progress with several firms which are potential new members. These include TRW, Hughes Research Laboratories, Exxon Nuclear, Grumman Aerospace, Physics International, Stone and Webster, Aydin Energy Division, General Dynamics/Convair Division, Maxwell Laboratories, Transrex, Westinghouse, Bechtel National, United Technologies, Combustion Engineering, General Electric, Ralph M. Parsons Co., Burns and Roe, EGG, and American Science and Engineering. By mail vote, the Board of Directors approved a resolution extending the designation "Charter Member" to any organization which applies for membership prior to February 15, 1980, and subsequently admitted to membership by the Board.