

# The first MMM Conferences - 1955 & 1956

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Why An



William Penn Hotel, Pittsburgh, PA  
Site of 1st MMM Conference

**Magnetics Parley Topic**

See 400 engineers and more...  
Pittsburgh Home Savings



**Technology News from 1955 & 1956**

- First pocket transistor radio available
- First alternator-generated power used in the US
- First magnetic hard-disk drive (5 MB) introduced by IBM
- First B&W portable TV sets
- First transatlantic telephone cable
- First commercial videotape recorder available from Ampex
- First non-stick frying pans from Teflon

**Notable Inventions**

- Atomic clock (England)
- HOVERCRASH (England)
- LEGO block toy (Denmark)
- Velcro (Switzerland)
- Fish Fingers (USA)
- Oral Polio vaccine (USA)

**POPULAR ELECTRONICS**

**Page 10 - The Pittsburgh Press, Wednesday, June 15, 1955**

**Scientists Discuss New Uses of Magnets**

The hundred engineers of the Arma Steel Corp., Mellon, Pa., are to discuss at this conference how magnets are used in the US. The first alternate power used in the US was at the Arma Steel Corp. in 1888. The first magnetic hard-disk drive (5 MB) introduced by IBM was in 1956. The first B&W portable TV sets were introduced in 1955. The first transatlantic telephone cable was in 1956. The first commercial videotape recorder available from Ampex was in 1956. The first non-stick frying pans from Teflon were introduced in 1954.

**Conference on MAGNETISM and MAGNETIC MATERIALS**

**Hotel Statler, Boston, MA**  
Site of 2nd MMM Conference

June 16, 17, 18, 1956

Then

**Birth of the MMM Conference**

At a meeting of the Subcommittee on Magnetism of the ASEE Committee on Basic Research held in New York on March 28, 1954, the possibility of a Magnetism Conference was discussed.

The chairman declared the five-year plan of ASEE magnetism research to progress until 1960. In their opinion, too much emphasis is being placed on developing magnetism for the World Council and not enough on the basic and applied research. It is suggested that the magnetism research be increased through better coordination of the World Council activities. Every branch of ASEE is willing to support a Magnetism Conference to be held on one international day.

The purpose is to hold a Magnetism Conference separate from other ASEE Conferences to be discussed in more detail. Proposed thoughts in form of this program are:

- One general magnetism symposium would be arranged for presenting a large number of separate meetings of various nature in form of this program.
- The Magnetism Symposium would be held in the form of a Magnetism Conference.
- Subsequent magnetism symposiums would be held on separate years.
- It would be possible to invite a number of scientists such as ASEE, AIAA, ASEE, IRE, etc., to participate in the symposium.
- Such a meeting would attract many of the top people in the magnetism field.

The following committees were assigned after the symposium:

- The Magnetism Symposium would be held in the form of a Magnetism Conference.
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After a discussion of the various factors, the committee submitted the following program:

- To convene the regular ASEE symposium.
- To hold a Magnetism Conference in the form of a Magnetism Conference.
- To hold a Magnetism Conference in a more exact way than the Magnetism Conference or the Program.

The Pittsburgh symposium meeting resulted in the majority approval, the Magnetism Conference to be held on one international day on the 23rd of June.

**American Institute of Electrical Engineers**  
Conference on Magnetism and Magnetic Materials  
JUNE 16-18, 1955  
WILLIAM PENN HOTEL, PITTSBURGH, PA.

**TECHNICAL PROGRAM**

**THURSDAY, JUNE 14, 1955**

8:30 A.M. Registration, William Penn Hotel, 2nd Floor

9:00 A.M. Business Meeting, 2nd Floor

9:30 A.M. Breakfast, 2nd Floor

10:30 A.M. Presentation of Papers, 2nd Floor

1:00 P.M. Lunch, 2nd Floor

2:00 P.M. Presentation of Papers, 2nd Floor

5:00 P.M. Dinner, 2nd Floor

**FRIDAY, JUNE 15, 1955**

8:30 A.M. Registration, William Penn Hotel, 2nd Floor

9:00 A.M. Business Meeting, 2nd Floor

9:30 A.M. Breakfast, 2nd Floor

10:30 A.M. Presentation of Papers, 2nd Floor

1:00 P.M. Lunch, 2nd Floor

2:00 P.M. Presentation of Papers, 2nd Floor

5:00 P.M. Dinner, 2nd Floor

**1st MMM Program**

The first MMM program was held at the William Penn Hotel in Pittsburgh, PA on June 14-15, 1955. The program featured technical presentations, a business meeting, and a dinner. The speakers included prominent figures in the field of magnetism and magnetic materials.

**Foreword - 2nd MMM Conference proceedings**

The second conference on Magnetism and Magnetic Materials proved to be an even greater success than had the previous year. It attracted to this conference more than 1000 scientists and engineers from 25 countries. The papers presented at the conference are a testament to the progress made in the field of magnetism and magnetic materials.

**2nd MMM Conference - Program**

Time	Topic	Speaker
8:30 A.M.	Registration	
9:00 A.M.	Business Meeting	
9:30 A.M.	Breakfast	
10:30 A.M.	Presentation of Papers	W. L. Barlow, R. H. Frank, etc.
1:00 P.M.	Lunch	
2:00 P.M.	Presentation of Papers	J. Van Vleck, H. W. Van Duijn, etc.
5:00 P.M.	Dinner	
8:30 P.M.	Registration	
9:00 P.M.	Business Meeting	
9:30 P.M.	Breakfast	
10:30 P.M.	Presentation of Papers	W. L. Barlow, R. H. Frank, etc.
1:00 A.M.	Lunch	
2:00 A.M.	Presentation of Papers	J. Van Vleck, H. W. Van Duijn, etc.
5:00 A.M.	Dinner	

**As a result of this discussion, the Chairman, Dr. Barlow, urged the possibility of a Magnetism Conference to be held in the form of a Magnetism Conference on one international day on the 23rd of June.**

The Magnetism Conference would be held in the form of a Magnetism Conference. The Magnetism Conference would be held in the form of a Magnetism Conference. The Magnetism Conference would be held in the form of a Magnetism Conference.

**EXHIBITORS and their 'PRODUCTS'**

**General Electric**: Power transformers, magnetic materials, etc.

**IBM**: Magnetic tape drives, hard disk drives, etc.

**Philips**: Televisions, radios, etc.

**Westinghouse**: Electric motors, generators, etc.

**General Motors**: Automobiles, trucks, etc.

**Ford**: Automobiles, trucks, etc.

**Chrysler**: Automobiles, trucks, etc.

**Deere & Company**: Tractors, combines, etc.

**Case**: Tractors, combines, etc.

**John Deere**: Tractors, combines, etc.

**Ford Motor**: Automobiles, trucks, etc.

**Chrysler**: Automobiles, trucks, etc.

**Deere & Company**: Tractors, combines, etc.

**Case**: Tractors, combines, etc.

**John Deere**: Tractors, combines, etc.

**2nd MMM Conference details**

The conference was held at the Hotel Statler in Boston, MA from June 16-18, 1956. The program featured technical presentations, a business meeting, and a dinner. The speakers included prominent figures in the field of magnetism and magnetic materials.

**2nd MMM Proceedings - first 2 papers (first page only)**

The first two papers of the 2nd MMM conference proceedings are presented here. The first paper is by W. L. Barlow and R. H. Frank, and the second paper is by J. Van Vleck and H. W. Van Duijn.

**1st MMM Organizing Committee**

Chairman: W. L. Barlow

Secretary: R. H. Frank

Members: J. Van Vleck, H. W. Van Duijn, etc.

**1st MMM conference budget**

Printing structure	\$50.00
Printing brochures	75.00
Advertising and display	10.00
Printing Registration cards	20.00
Printing Proceedings Receipts	10.00
Printing name tags	10.00
Postage	100.00
<b>Total</b>	<b>\$285.00</b>

**Conference on Magnetism and Magnetic Materials**

**1st MMM proceedings**

The 1st MMM proceedings were published in 1955. They contain the technical papers presented at the conference, along with a foreword and a list of exhibitors.

**2nd MMM proceedings - first 2 papers (first page only)**

**W. L. BARLOW and R. H. FRANK**

**The theory of magnetic materials**

The present article is concerned with the microscopic interactions and interactions of magnetic materials. It discusses the theory of magnetic materials, including the theory of the ferromagnetic state, the theory of the paramagnetic state, and the theory of the antiferromagnetic state.

**2nd MMM Abstracts**

A collection of abstracts from the 2nd MMM conference proceedings. The abstracts cover a wide range of topics in magnetism and magnetic materials, including the theory of magnetic materials, the properties of magnetic materials, and the applications of magnetic materials.