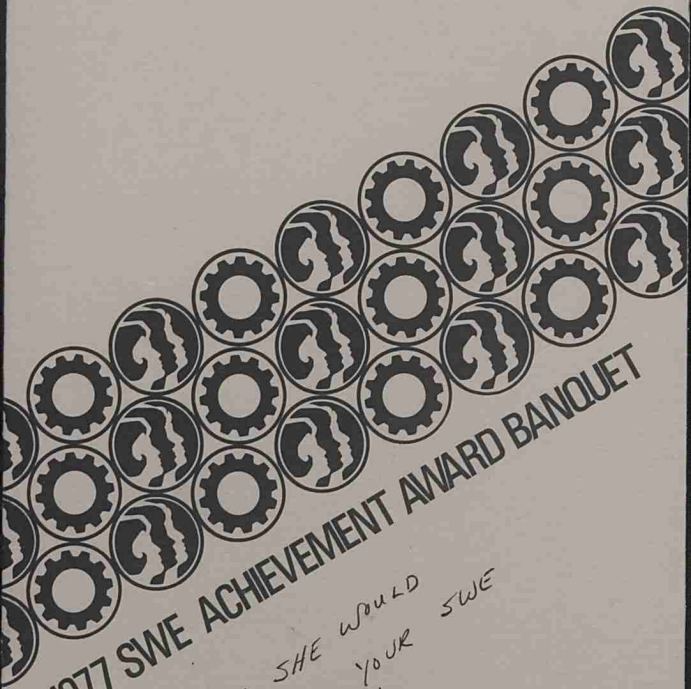


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# 1977 SWE ACHIEVEMENT AWARD BANQUET

MAYBE SHE WOULD  
SPEAK TO YOUR SWE  
GROUP!

# 1977 SWE ACHIEVEMENT AWARD BANQUET

June 25, 1977

## PROGRAM

7:00 P.M.	Reception for Award Recipient	Drift Room Poolside
8:00 P.M.	Achievement Award Dinner	Nautilus
	Appetizer	
	Introduction of Head Table	
	Recognition of Industry Contributions	
	Dinner	
	Dessert	

Presentation of 1977 SWE Achievement Award  
to

Dr. Mildred Dresselhaus

Program Highlighting the History of Technical  
Contributions of Women in the United States



MILDRED DRESSLHAUS  
1977 ACHIEVEMENT AWARD RECIPIENT



The Achievement Award is the highest tribute given by the Society of Women Engineers. It is conferred each year upon a woman who has made a significant contribution to engineering. This honor is given to a woman in the field of engineering practice, research, education, or administration.

Nominations for the award are accepted from Society members or from non-members familiar with the field. Prominent engineers, business executives, and educators outside the Society of Women Engineers participate in the selection of the Award recipients.

The Award has been conferred each year since 1952 upon an outstanding woman engineer or scientist and consists of:

Membership for life in the Society of Women Engineers; Award Pin, the emblem of the Society surrounded by a wreath; and Certificate, setting forth the Award.

MILDRED DRESSELHAUS is Professor of Electrical Engineering and Abby Rockefeller Mauze Professor at the Massachusetts Institute of Technology. She is regarded as one of the world's leading experts in electronic and optical properties of materials, with particular reference to high magnetic field phenomena.

Her main contributions have been in establishing high field magneto-optic spectroscopy as a powerful tool for the study of the electronic structure of semimetals. Later she brought a variety of other experimental and theoretical techniques to bear, leading to a number of significant advances in the understanding of the electronic structure of these materials. Her contributions span a wide variety of materials including superconductors, normal metals, semimetals and semiconductors. Her recent research has focussed on materials such as magnetic application of a magnetic field, and graphite intercalation compounds, which potentially provide room temperature conductors having conductivities exceeding those of copper and silver.

She is highly regarded as a classroom teacher and has supervised theses for a large number of graduate students, a number of whom have made major contributions to the semiconductor electronics industry. She served as Associate Head of the Department of Electrical Engineering at MIT from 1972-1974 and is now Head of the Center for Materials Science and Engineering at MIT. She has been very effective in helping women faculty and students further their professional goals. She has undertaken many such successful projects: a film "Women's Work: Engineering"; courses "What Is Engineering" and "Career Planning for Women Students"; a strong women's faculty organization for professional development and for joint projects between women students and faculty. She has worked to establish an environment for women at MIT for caring and mutual support while setting high standards of professional excellence.

Mildred Dresselhaus received her B. S. in Physics from Hunter College (1951). She was a Fulbright Fellow to Newnham College, Cambridge University, England (1952), received her A. M. in 1953 from Radcliffe College and Ph.D. in 1958 from the University of Chicago. She is a fellow of the American Physical Society, a senior member of the IEEE and of SWE. She has been a visiting professor at: Aoyama Gakuin and Nihon University, Japan; the Technion, Israel Institute of Technology, Haifa, Israel; and the University of Campinas, Brazil. She has been the recipient of many honors and awards including: Hunter College Hall of Fame, 1972; Recipient, Radcliffe Alumnae Medal, 1973; Membership to National Academy of Engineering, 1974; Membership to American Academy of Arts and Sciences, 1974; Corresponding Member, Brazilian Academy of Science, 1976; Hon D. Eng. Worcester Polytechnic Institute, 1976.

Professor Dresselhaus is married to Dr. Gene F. Dresselhaus, a research physicist at the National Magnet Lab in Cambridge, Massachusetts. They have four children and live in Arlington, Massachusetts.

MENU

APPETIZER

Quiche Lorraine

DINNER

Prime Rib au jus

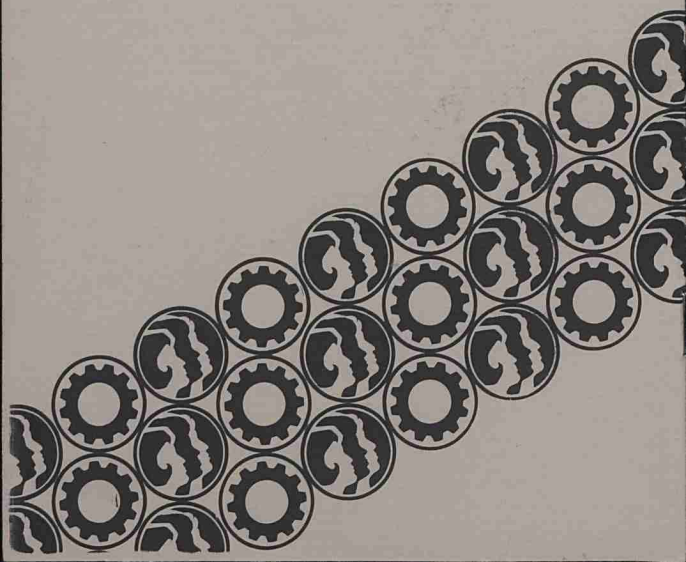
Peas with Pearl Onions

Baked Potato

Romaine and Red Onion Salad

DESSERT

Cherries Jubilee



# Awards Banquet

## Society of Women Engineers 1977 Student Conference

### MENU

Tossed Garden Salad

Roast Eye of Prime Rib au jus  
Buttered Parsley Potatoes  
Green Beans Amandine  
Rolls and Butter

Strawberry Parfait

Choice of Hot Tea, Ice Tea, Coffee, Sanka

### AWARDS PRESENTATION

Arminta Harness, President of SWE, presents the following awards:

Region I	Best Student Section Award Best New Student Section Award
Region II	Best Student Section Award Best New Student Section Award
Region III	Best Student Section Award Best New Student Section Award
Region IV	Best Student Section Award Best New Student Section Award

### CONFERENCE REFLECTIONS

Ms. Beverly Kaye  
Ms. Adele Scheele