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EDUCATION & INDUSTRY HOST

WOMEN IN ENGINEERING

DAYTON, Ohio, June 11, 1975 ---- The University of Dayton School of Engineering is again sponsoring a Women in Engineering Seminar/Institute June 15-20, 1975. Ms. Carol Shaw, Coordinator for Women in Engineering at the University of Dayton says that, "the Seminar/Institute will be bigger and better than every this year."

There will be 65 young women attending the one week program from 53 different high schools in seven states.

Ms. Shaw feels there is still a need for special efforts like the Seminar/Institute since the number of women engineering graduates in 1974 was only 745 compared to 41,407 male graduates. This reflects the fact that engineering has been considered non-traditional for women until very recently.

The goals of the Women in Engineering Seminar/Institute, Ms. Shaw states, will be to (a) break psychological barriers and generate interest in the field of engineering among young women of high school age; (b) dispel the myth that engineering is a "male only" profession; (c) answer questions such as "what do engineers do?"; (d) indicate the unique contribution that women engineers could make to the technological labor market; (e) arrange for the women to visit a nearby industry to view engineers at work and interact with practicing engineers; (f) provide role models of women engineers who have achieved local and national success in the engineering field; (g) point out the course of study necessary to become an engineer; and (h) convey the engineering approach to solving the major problems of today's society.

Participants will meet formally and informally in panel discussions with members of the local chapter of the Society of Women Engineers and with several women engineers of national prominence who will address the Seminar/Institute on a topic relevant to the project. In all aspects of the Institute, the young women selected will be involved in experiments, projects, and demonstrations on a small-group basis with members of the engineering and engineering technology faculty and practicing engineers in industry.

The role of industry in the Seminar/Institute is very important, Ms. Shaw emphasizes. The girls will spend one day of the program, June 19, 1975, visiting one of the industries involved in the program. Most of these industries have also elected to sponsor a scholarship for a designated number of girls at \$100/girl. Grants from the industries listed below and a \$3,000 grant from the General Electric Foundation have enabled the University to offer this program at no cost to the girls selected to attend the program.

The girls attending the program will meet two nationally known women engineers: Nancy D. Fitzroy, Manager of Heat Transfer, Consulting, Thermal Branch at General Electric's Research and Development Center, Schenectady, New York, will address girls attending the program and their parents at an opening banquet on Sunday, June 15, 1975. Ms. Fitzroy will be on a tight schedule since she is involved in budget meetings for the General Electric Corporation and is therefore planning to fly her own plane to and from Dayton on the 15th. Nancy won the Society of Women Engineers' Achievement Award for 1972 for significant contributions in the fields of heat transfer, fluid flow properties of materials, and thermal engineering. Ms. Fitzroy was also named to the National Science Foundation's Advisory Committee for Engineering. In Nancy's spare time she manages to keep up on her flight time which includes being a helicopter pilot.

The girls will be able to dialogue with members of the Dayton, Columbus, Cincinnati Chapter of the Society of Women Engineers (SWE) during a panel discussion on Friday, June 16. Naomi McAffee, a past president of SWE will serve as a

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member of the panel and will also address the luncheon of the Women in Engineering Seminar/Institute. Ms. McAfee is the Manager of Quality and Reliability Assurance Department for the Westinghouse Electric Corporation - Defense Electronics Systems in Baltimore, Maryland.

Another panel member, Marge Jones, a Daytonian who has been with NCR for twenty years, will provide valuable insights as to the varied role a woman can play in the corporate structure. Ms. Jones has served as a research chemist - a member of the team that developed no carbon paper, an ambassador of research - a role that involved world travel, and is currently director of corporate executive and professional recruitments for NCR.

The Women in Engineering Seminar/Institute is being sponsored by the following industries:

Armco Steel
Mead Corporation - Research Division
Inland Manufacturing
NCR Corporation
Delco Products
Ralph L. Woolpert Company
Monsanto Research Corporation
Systems Research Laboratories
Redex
Associated General Contractors
ASO/END and 2750th Air Borne Wing - WPAFB
Monarch Marking
Dayton Malleable
Proctor and Gamble
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