

Pauline fights perils with research

By KAY CROSSBY

DENTON
The name of Pauline Beery Mack is synonymous with excellence in research.

Dr. Mack, director of the Texas Woman's University Research Institute, has been widely acclaimed for her studies in nutrition and textiles. With an impressive and even slightly formidable list of academic credentials and professional honors to her credit, she is in her 53rd year as a university faculty member and researcher.

Today Dr. Mack's shoulders may be slightly stooped by the years, but intellectually she's still a giant. From her office in the oldest building on the TWU campus Dr. Mack supervises a staff of about 35 full-time employees and students working on their master's degrees and doctorates. Before coming to TWU she directed the research work of 178 graduate students at Pennsylvania State University. **SINCE ARRIVING** at the Denton

school for women in 1952 she has seen 133 more students through the research work leading to their advanced degrees.

In her career she has also made countless research studies of her own, including more than 20,000 individual nutritional case studies, and written a host of research articles for scholarly publications.

How has she done it all? "I worked like a dog," Dr. Mack adds that she generally works "seven days a week" and tries "to write a research paper over the weekend."

Her particular field of interest is bone density, and under her direction the research institute has held several grants from the National Aeronautics and Space Administration to conduct studies on the subject.

Dr. Mack and her associates use X rays to determine how much calcium is lost from bone during long periods of inactivity, such as the amounts of time astronauts spend confined in space to a tiny capsule.

THEY HAVE RECENTLY done two studies of subjects confined to bed for 36-day periods, and under consideration is another study for a period nearly twice that long.

Results from these last studies are to be used in planning for NASA's Skylab program.

For her work in measuring bone density Dr. Mack has received another helping of renown to go with what she had already garnered and she became the only woman to receive the Silver Snoopy Award from the U.S. astronaut.

The scientist describes the Silver Snoopy as "a cute little pin that the astronauts thought up themselves to give to scientists they wanted to honor."

Dr. Mack also received the Garvan Medal in 1960 from the American Chemical Society for developing the techniques used to measure mineral density in bones.

BESIDES HER WORK in bone density the TWU researcher has also re-

cently been working on nutritional studies of high school and college football players and on projects to encourage the greater use of protein from vegetable sources.

With the athletes Dr. Mack and her associates study what they have been eating and what they should be eating in order to have the greatest amounts of energy.

"Particularly the high school boys are likely to work too hard without eating the right things. They eat enormous amounts of snacks, none of them good for them."

She is also interested in the more widespread use of vegetable proteins, such as that found in cottonseed meal.

"The U.S. Department of Agriculture is trying to get as much vegetable protein as possible in the school lunches of children who don't get a great deal of animal protein at home.

"I don't think that vegetable proteins will ever replace animal proteins in our diet, but they can certainly extend the amounts of protein that poor children and even non-poor children eat."

THE RESEARCH DIRECTOR was born in Norborne, Mo., and received her bachelor's degree from Missouri State University with a major in chemistry.

She headed science departments in three Missouri high schools for several years before entering Columbia University to earn a master's degree in physical chemistry.

She then began teaching chemistry at Penn State, where she later received her Ph.D. in biochemistry, attained the rank of professor and served as head of the school's Ellen H. Richards Institute for research.

During her early days at Penn State the teacher and researcher also met native Pennsylvanian Warren Mack.

They were married while he was working on his Ph.D. at Johns Hopkins University and commuting every weekend to Baltimore, Md., for his studies.

The late Dr. Warren Mack served for many years as head of the landscape architecture and horticulture department at Penn State.

The TWU official recalls that in her early academic days she intended to concentrate on pure chemistry.

"It was difficult then for a woman to continue in pure chemistry, so I decided to go into some of the applications, nutritional and textile chemistry."

SHE CAME TO the Denton University in 1962 to serve as dean of the College of Household Arts and Sciences as well as head of the research facility.

Dr. Mack really "prefers research" over administration and in 1962 gave up the dean's post to concentrate all her efforts on research.



—Dallas News: Erick Lewert.

Dr. Pauline Beery Mack demonstrates how special X rays are made of the feet of research subjects in order to measure calcium loss in the bones.

Besides the already-mentioned distinctions she has been cited by the Piper Foundation as a distinguished university professor and has received the medal of the Distinguished Daughters of Pennsylvania.

She is a member of Phi Beta Kappa and the Phi Beta Kappa Associates, a group of 200 people selected as best exemplifying the ideals of the nation's most prestigious honor society.

She's also a member of Altrusa International, Daughters of the American Revolution and Daughters of the Ameri-

can Colonists, as well as a number of professional and academic groups and has been a guest lecturer at colleges around the country.

Now she's quite a promoter of the Denton school, as a prominent Dallas industrialist found out when he asked why a person with her background would come to a "little girl's finishing school like TWU."

"I told him shortly that this isn't any little finishing school. It's a university for women who want training for careers."

Women face the issues

By SHARON MYERS COBLER
Club Editor

NEW YORK
The 76th annual convention of the National Congress of PTA, anyway you look at it, fulfilled expectations for a controversial and changing happening. The issues, in the words of Mrs. Leon Price of Dallas, who served as national president last term, were "today."

A sampling: Busing, peace, abortion. Much of the spark of the 75-year-old organization may be attributed to its new student membership which is now speaking up.

While his motion to urge quick withdrawal from Indo-China failed, David Asai of Hawaii, now a student in California, thanked the national body for allowing discussion on the issue.

The motion for a statement for peace failed by a 245-285 vote with opposition coming from those who wanted support of presidential policy.

Asai, by the way, received the support of Tom Echols, an Air Force master sergeant, president of the European PTA delegation.

Although the motion to talk on abortion failed to reach the floor, it does show the wide range of the new "action" outlook professed by the parent-teacher body.

IN THE OPENING business Tues-

day, the delegates revised their bylaws to allow them action in the schools, and this feeling of involvement carried over into the other major issues facing parents and children.

While Texas delegates sought the support of the neighborhood school system, hence wisted an antibusing statement, the majority of the delegate body voiced the opinion that such a statement was not in keeping with the PTA's endorsement of quality education.

Mrs. Jean Harris, president of the Texas PTA, however, felt the antibusing measure would have passed if convention had been in a region other than the Northeast.

Delegates appeared willing to listen and debate issues in a rational manner (within certain time limits), and discussion did not reach volatile levels as might have been expected.

Mrs. John Mallory of New York continues her term as national president through May, 1973. She demonstrated her leadership ability continuously during convention and several times received ovations from the delegation.

In all, delegates took action on 11 resolutions from the committee and one from the floor. Two other emergency resolutions, one from the Irving (Texas) PTA asking endorsement of the neighborhood school concept and one from a student member from Connecticut concerning abortion did not receive the two-thirds vote to be put into debate.

THE IRVING MOTION was presented after a move for antibusing failed in the afternoon session.

Among the resolutions passed were the following:

Programming for environmental quality, stressing environmental education and PTA action "to improve the quality" of the physical environment.

One commending educational TV and another urging PTA to assume leadership to "assure that sufficient channels for public service and educational use are provided."

A stand to "strengthen . . . efforts in the total area of drug abuse, including contributing factors."

A STATEMENT ON textbook adoption asking PTAs to urge adoptions of "textbooks which portray accurately the role and contribution of both men and women of all ethnic, racial, regional and occupational groups" in the United States.

Delegates voted continuance of the publication of the PTA Magazine, which has been operating at a deficit since 1967, but their mandate was for more member support of the organ.

Officers elected are Mrs. W. Hamilton Crookford III of Richmond Va., secretary, the only committee nominee who was opposed; Cecil L. Poppe of Albuquerque, N.M., treasurer, and four regional vice-presidents.

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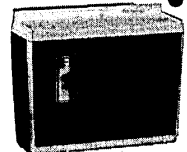
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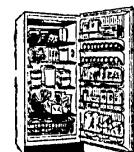
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