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## Geneticist urges chromosome test

-national

DALLAS — A genetic pioneer insists women in families with a history of mental re-tardation should be tested for an elusive genetic abnormality that may be responsible for 25 percent of mental retardation

found in males.
Dr. Patricia Howard-Peebles, director of the Cytogenetics Laboratory and a professor at the University of Texas Health Science Center, said it is important for women under 20 with a family history of mental retardation to be tested to determine whether they are carriers of the

"fragile X" chromosome.

The disorder occurs on the X chromosome, one of the chromosomes that determines the sex of a child.

Boys have the chromosome pairing X-Y and girls X-X. If a girl has a fragile X chromosome, retardation usually fails to materialize because she has a back-up normal X chromosome, which is not the case with boys.

Peebles, one of the leading authorities on fragile X-linked mental retardation, admits it is not known what the fragile X site on chromosomes is.

Although the condition appears predominantly in males, and affected females are considered carriers, researchers have recently discovered some female carriers are slightly re-

"We like to test a retarded male family member first," she said. "If he is positive for fragile X, we say the family has it. If he is negative, we like to test another affected male before we rule it out. If both are negative, we conclude that the family doesn't have fragile X-linked retardation.'

A female carrier should be tested while she is young because once she reaches the age of 25, the fragile site usually fails to show up in tests.







Battalion/Page 4

June 3, 1982

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## Finding fall fashions

Stephanie Smith looks at a shirt that to enter Texas A&M in the fall. The to get the her father, Larry, is showing her in the MSC Bookstore. Stephanie plans Smiths are from Ft. Worth.

## Reagan budget cuts blamed for decline in solar interest

oil glut is lulling the public into a porary, if not misguided, sense false sense of energy security at of energy security."
the expense of vitally needed soHe the Reagan Administralar development, the chairman tion budget cuts hinder enthu-

Winter said Tuesday at a Solar drop from \$570 million in 1980.

HOUSTON — An imaginary tional market has brought a tem-

Society warns.

"We have undoubtedly hit a bump in the road," Francis Dethe American Solar Energy siasm for solar energy, pointing out the proposed budget allocated \$100 million for solar energy research for 1983, a

Technologies Conference and International Exposition. "The dangerous actions of a few in Washington are under-The dangerous actions of a

oversupply of oil on the interna- cutting vitally important pro ment," he said.

DeWinter, president of Corp. of Santa Cruz, Calif. significant achievements been made in the solar e field in the past four year cluding an increase from homes equipped with energy to an estimated 8 homes today.

DeWinter said solar o sales have increased from \$17 million a year to an mated \$400 million, amo to a displacement of 1.5 n barrels of oil annually.

Despite the progress, the lited States still is dependent upon foreign oil, which costs estimated \$80 billion a year, noted.

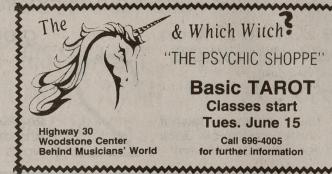
'The sheer size of our of tinued reliance on impor in terms of real dollars, is troublesome," he said. "It unfortunate fact that we not translated public prefere for solar energy into mass ac in the public marketplace."

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