NASA faced with budget cuts; Voyager 2 project in jeopardy

that it is considering abaning the Voyager 2 spacecraft The telescope, which has been w heading toward a 1986 reezvous with Uranus, a space ency source said Wednesday. The Galileo project, scheduled 1985. later this decade, also is in pardy because of anticipated backs, the source said. lite into orbit around Jupiter nautics and Space Administration had not made a decision on aban-

WASHINGTON — The space may is facing budget cuts so seonly major new scientific effort.

> given top priority among NASA's to Neptune in 1989. scientific projects, is scheduled to be orbited by the space shuttle in

The Washington Post reported Wednesday that abandoning the highly successful Voyager spacec-This project is designed to send raft would save the National Aero-

required to control and track the the budget situation. spacecraft and analyze its data from Uranus and when it goes on

Neither Uranus nor Neptune has yet been explored by a spacecraft from Earth. Voyager 2 already has returned valuable scientific data from Jupiter and Saturn.

The agency source said NASA

\$222 million in the next eight doning Voyager 2. Space agency years. This would be the amount officials met Wednesday to discuss

NASA has been directed to cut an additional \$367 million from its spending plan for the current year, the source said. In addition, the White House Office of Management and Budget has told NASA to expect sizable reductions in funds sought for fiscal 1983 and 1984, he said.

First

Presbyterian

Monkeys used to determine effects of space travel on bone

United Press International easily and req DETROIT — Monkeys carried time, he said.

gh space in a USSR satellite e loss suffered by men on exded stays in space, an Amer-Dr. Michael Parfitt, head of ity of fractures.

nry Ford Hospital's Bone and ineral Research Laboratory, ide will be given bone samples on the monkeys in the Soviet with live specimens when a monkeys return from space.

Astronauts who have spent as a spent as a spent with live specimens when a spent with live specimens when a spent with live specimens when a specimens who have specimens when a specimens where the specimens where the specimens when a specimens where the specimens when a specimens when a specimens where the spe eas a month in space have suf- added. ed an abnormal rate of bone loss up to 5 percent of their bone - and its cause remains un-

Parfitt, who already has conted extensive experiments on eloss, has received a \$145,000 nt from the National Aeronauand Space Administration to dy the effects of weightlessness

Parfitt said solving the bone loss de not only will help astrous but could help treat elderly sons suffering from "brittle

United Press International
USTIN — The number of
rders in Texas decreased in the

six months of the year but

easily and require a long mending partially repaired."

In the astronauts, however,

be used in an international of spaceflight and the absence of rate. Parfitt said overall bone mass dy dealing with the abnormal gravity on bone is similar to what loss is 2 to 3 percent or five times occurs in people during prolonged bed rest. Bone loss in either case mal aging human. can and does increase the possibil-

'If we can understand why the

"The human skeleton is con-

stantly being repaired," he said. "As a piece of bone ... becomes (worn out), it is removed by the action of cells called osteoclasts. Then, in the cavity that is created (in the bone) new bone is replaced by cells called osteoblasts.

Parfitt said the body's repair mechanism of replacing worn out bone is normally effective but "after the age of about 45 the repair mechanism is defective," he said. The amount of bone put back is less than the amount taken out. nes." Brittle bones fracture Each repair site is therefore only than it is at three

NASA studies show the effects bone loss occurs at an accelerated

He said the deterioration most severely affects the heel bone in astronauts, a bone commonly referred to as "spongy." In many cases the heel bone had not regenerated three months after the astronaut had returned to Earth,

One question bothering scientists is whether bone loss proceeds at a steady rate or stabilizes after a few months in space.

"If it (bone loss) increases at the same rate, it would place a serious limitation on the duration of space flight," Parfitt said. "On the other hand, it's entirely possible that in a few months you'd lose all you're

Recent Soviet experiences on the Salyut 6 space station in which men have been weightless for six months at a time suggest the bone loss is no greater at six months

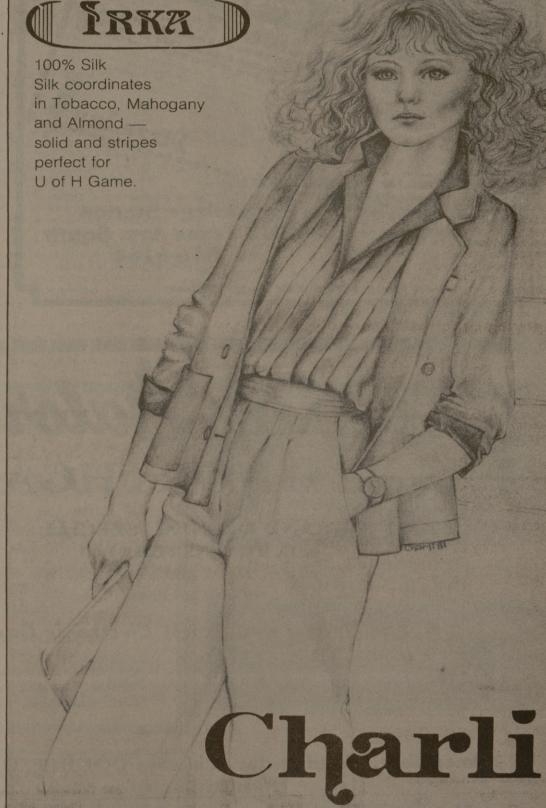
Although this is a significant

increase, it does indicate that the

Church 1100 Carter Creek Parkway, Bryan 823-8073 Dr. Robert Leslie, Pastor Barbara Ridlen, DCE SUNDAY: Worship at 8:30 AM & 11:00 AM Church School at 9:30 AM College Class at 9:30 AM Krueger Dunn 9:15AM)

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partment of Public Safety offipercent, and rape and robbery in- state is rising at a lower rate than report major crime is up 3.3 creased 3.5 percent, leading to the we saw last year," Adams said.

IT'S HERE!

percent from the same period last overall 3.3 percent increase.

aggravated assaults were up 3.8 volume of major crimes in our

lexas murders down, overall crime up

DPS Director Jim Adams said

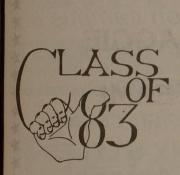
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