e Latest Voyager I photos reveal g big differences in Jovian moons

United Press International
SADENA, Calif. — Leaving

r and its inner moons behind, r 1 radioed back the first p pictures of the satellite Calesday, showing a battered, ently ancient crust unlike any-

photos of Callisto, the last of er's four biggest satellites. to the mystery as to why the Ganymede and now Callisto the impact scars of earlier while the bright orange moon

listo was the spacecraft's last until it reaches the ringed Saturn in November next will examine six satellites

Monday night and then sped on past Callisto Tuesday. Io was examined Monday morning, after the spacecraft swept past Jupiter.

The other big moon, Europa, was examined earlier. The new Callisto pictures showed a spectacular ringed crater which Dr. Laurence Soderblom of the U. S. Geological Survey said suggests the satellite 'has a crustal character very much different from anything we have seen." He speculated that the rings may have been caused by an icy surface unable to stand the impact

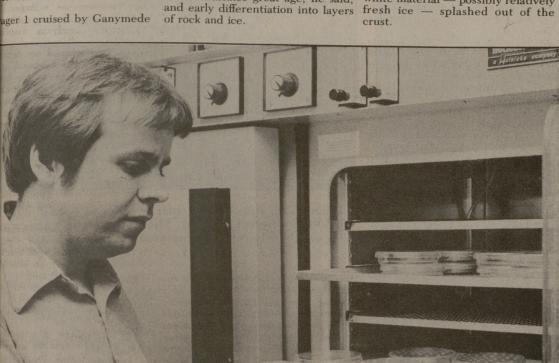
The surface was densely cratered, which indicates great age, he said,

Callisto and Ganymede, both about the size of Mercury and be-lieved to be half water and half rock, are vastly different from Io, the smaller, rockier satellite closer to

Io's mottled orange, yellow and white surface has been sculptured by some kind of erosional processes which produced complex depressions, enormous cliffs, broad plains and abundant troughs that seem to have been carved by water. Notably absent are craters produced by meteoroid impact.

stress and collapsed in the ring-like manner.

Ganymede's Drownish gray of face, in contrast, looks peppered with impact craters. The sharply defined craters are surrounded by white material — possibly relatively



Max Costa, assistant professor of medical armocology, checks on the progress of tures he uses in tests to determine whether etal compounds are cancer-causing. Costa

says the tests are 60 times cheaper than previous methods used for cancer detection, and considerably faster.

Battalion photo by Bill Wilson

sidered confirmation that the metal

Costa is working on a book that will show how to conduct this type of

dency to develop cancer is inherited, he is worried about the possi-

ble exposure to carcinogenic metal

compounds that people may un-

knowingly come into contact with

everyday, including the high-nickel

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Although Costa believes the ten-

induced cancer in the culture.

Research by A&M prof

Cancer test has new use

By CATHY TERREL

m

e from plan.

metal compounds may cancer, says a Texas A&M sity researcher, the first to enic activity of metals and being aware of it."

is method for testing metals. wear protective breathing devices, is method takes less time and it's incredible," Costa said. than the way federally spon-

and found his method 60 times cells. r. "Plus all my research can

tive, many chemicals can cause cancer if received in high enough dosage," Costa said. "What we must do is check the possibility that humans may be getting a high y a research method using enough dosage of cancer-causing om a hamster fetus to test for metal compounds without even

Costa points out that welders ough this method has been breathe chromium-rich fumes all d for about 20 years, Dr. Max day long, and that chromium is on an assistant professor in med-pharmacology, was the first to metals. "Nobody's telling them to

Costa collects hamster fetal cells research determines cancer- and grows them in cultures, then ng substances," Costa said. exposes the cells to metal carcino-nt carcinogenisis tests involve gens. Under a microscope, the ing experimental animals with trained eye can tell the difference pected carcinogen and wait- between a normal cell and a transte to two years for possible formed cell by the way the cells grow. Costa then counts the act, Costa calculated the sav- number of transformed and normal

To verify that cancer is being in-One with just one hamster." duced in the tissue culture, the sta began his research two transformed cells are injected into s ago and has completed one of a three-year \$90,000 grant only allow for the growth of malignature of the National Institutes of

must take it into perspections. Species.

Development of tumors is con-公 公 公 M.S.C.

PERFORMANCE - MARCH 23, 1979 RUDDER AUD. SOOPM

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Song, comedy delight audience

By KAY WALLACE Special to The Battalion

The hardest success to make is a remake of a success.

Yet a Bryan-College Station audience was easily and happily entertained Tuesday night by Texas A&M University's MSC Town Hall's stage presentation of Rodgers and Hammerstein's 'The Sound of Music" in Rudder Auditorium.

The musical is based on the true story of a young woman training to be a nun who is sent to be a governess to the seven children of an Austrian Naval captain widower. Through her singing talents, she is able to win the hearts of the children, as well as the captain. Eventually the captain and the governess fall in love and marry, but it is the eve of the Nazi takeover of Austria,

and escape is vital.

In the role of the charming, but flighty would-be nun, Maria, Sally Anne Howes (remember her from Chitty Chitty Bang Bang fame? She played Truly Scrumptious to Dick Van Dyke's Professor Caractacus Potts) was a believable songbird.

But her counterpart, Earl Wrightson as the demanding widower-father of seven, Captain Georg von Trapp, left something to be desired as an alluring romantic for Howes to fall in love with. Physically, Wrightson is older, short, husky and appears more ready to step into another role he has played — that of Tevye in "Fiddler on the Roof."

But never mind, the von Trapp children were a delightful diversion to the underlying romance. In step, smiling, on cue and unusually audible, they were a convincing family group. All of them have acting, singing and dance backgrounds and hold numerous stage credits.

Capturing several laughs was Lois Hunt, as the conniving Elsa Schraeder, trying to charm the stalwart Captain into marriage. And understudy Ted Bouton playing the role of Max Detweiler, an uncle to the von Trapp children, prompted several snickers as the line-walking, make-a-buck Detweiler.

All in all, the performance was very well received by the audience, which gave standing ovations for the cast during the cur-



Maria (Sally Anne Howes) stands at attention while Captain von Trapp (Earl Wrightson) whistles for his children in "The Sound of Music" presented last night at Rudder Auditorium

Battalion photo by Lynn Blanco

New Jersey reining in its antique laws

TRENTON, N.J. - Residents and visitors of New Jersey, you can rest easy now — you won't be breaking the law anymore by riding your horse faster than 4 mph across a

And you won't have to stick to the three minutes allowed to unload passengers from your car in front of

Gov. Brendan Byrne has a plan to repeal 138 useless laws and sent a list of "archaic, unnecessary, duplicative or inconsistent" measures to the Legislature for repeal Monday.

Provided Byrne's proposals are approved, you no longer will be breaking the law if you:

— Hitch your horse to a public lamp post or fire hydrant;

-Drive a horse-drawn sleigh on a highway without a sufficient number of sleigh bells on the harness to warn others of your ap-

proach; -Race horses on a highway;

-Refrain from stopping your car and remain stationary if a horse is passing you in the opposite direction on a highway;

-Overtake and pass a trolley car;

 Follow a trolley car at a distance of less than 10 feet, and
 Knowingly hinder or delay the movement of a trolley car through

Wyatt's Daily Specials

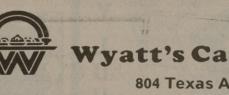
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