## Scientist says men helpful space tool

| United Press International Shawhan, a University of spacecraft liveable for man - |  |  |
| :---: | :---: | :---: |
| mod | ment aboard Columbia's third | rar |
| youngster sees an aging picture |  |  |
| - three men in the kind of suits grandfathers wear, holding |  |  |
|  | Even tho |  |
| above their heads the Explorer 1 satellite, America's first venture into space. |  |  |
|  |  |  |
| Allen, Wernher von Braun and William Pickering collectively |  |  |
| William Pickering, collectively recognized as the fathers of the |  |  |
|  |  |  |
| U.S. space program. The $60-$ pound Explorer was the first step on a road that now leads to |  |  |
|  | that's man," said Dr. |  |
| step on a road that now leads to the 99 -ton space shuttle Columbia <br> When that first small satellite | Stanley |  |
|  |  |  |
| was launched, so too was an argument whether men would ever really be needed in space - | Shawhan is the first to acknow- |  |
|  |  |  |
|  |  | tremendous problems making |
| ever really be needed in space whether machines, each more | of the payload bay arm to ma |  |
| elaborate than the last, would replace the need to put breathing technicians into a risky environment. |  |  |
|  | machine that would have moved | form as well as man. And the |
|  | brators) through the |  |
| of the space truck successfully completed and astronauts Jack |  | "Man is cheaper and more |
|  | we can move it back and forth. | , |
| Lousma and Gordon Fullerton safely on the ground, the question of man's role in the future |  |  |
|  |  | Although Williamson |
| tion of man's role in the future of space exploration is rarely asked. <br> There will always be a need | We don't have to wait," he said. |  |
|  |  |  |
| for the adaptive computer in space - that's man," says Dr Stanley Shawhan. | space is continuing. He notes | to that early spirit of space adventure as the key to succ |

BYU president speaks out

Cancer research moves ahe United Press International Cames seem like the old mye-
mhere aking of Corinth waston-
whe demened to push a rock up a hill
through eternity. Every time the luckless chap
neared the top, the rock fell back again. But the American Cancer
Society said this is not so. Some Society said this is not so. Some
of the most resistant forms of
cancer 30 . cancer 30 years ago are consi-
dered curable today.
But the problem still exists. But the problem still exists.
The ACS estimates 430,000 Americans will die of cancer
during 1982. Of every five deaths in the United States, one
is from cancer. A key area of interest in many
aboratories are proteins called laboratories are proteins called
monoclonal antibodies. They are made by fusing antibody-
producing cells from mice improducing cells from mice im-
munized with human tumor
cells. They then can be programmed genetically to attack cancer
cells. They can, theoreteticall, head straight for cancer cells
and thereby identify them. It is hoped they can ferry drugs or
he highly-touted interferon to he highly-touted interferon to
wipe out tumors and other
abnormal growths. abnormal growths.
Dr. Robert Baldwin, director
of the Cancer Research Campaign Laboratories in England
and professor of tumor biology and professor of tumor biology
at the University of Notitingham, atthe University of Notungham,
recently reported on his use of
monoclonal antibodies for canmonoclonal antibodies
er detection purposes.


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## Baldwin, in collaborat. Dr. Vera By with with

 Dr. Vera Byers of the Universityof California at San Francisoo, produced monocional amti-
bodies that reat with human
osteogenic sarcoma, a highly Features such as honesty, a tated to see a report on 131 gra-
dress code and prohibition on
duate business students who had alcohol are highlights of the e been asked if they expected to
Brigham Young University poli-
face a challenging ethical situa Brigham Young University poli- face a challenging ethical situa-
cy, the University president tion in their careers. All the stuclaims.
Holland charges the missing
dent said that they would be
fith such a decision and ingredient in higher education thated with such a decision and
in America today is values' edu- hempromise if it
hel n America today is values' edu- helps their career or business.
cation and says if that were not
Holland recited a litany so, white collar crime wouldn't recent "compromises" he said
be an $\$ 8$ billion a year industry. led to scandals Holland, president of athletics, Medicare, journalism

Brigham Young University, frats | $\begin{array}{l}\text { Brigham Young University, } \\ \text { Provo, Utah, earned his doctor }\end{array}$ |
| :--- |
| $\begin{array}{l}\text { frauds }- \text { an epidemic of cheat } \\ \text { ing and a retreat from honesty }\end{array}$ | of philosophy degree at Yale. in which no discipline or lifestyle

University in New Haven, seem immue University in New Haven,
Conn., an Ivv League school. He $\begin{gathered}\text { seems immune. } \\ \text { Holland also is a board }\end{gathered}$ Conn., an lvy League school. He He
said his charges are aimed at all
Holland also is a board mem types of disciplines and schools $\begin{aligned} & \text { or of the American Association } \\ & \text {-public, private, Ivy, commun- of Independent } \\ & \text { Colleges and Universities. }\end{aligned}$ ity, wo-vear, fouryear, medical, Colleges and Universities.
"Education must assum
law, divinity, engineering s.
"A lot of the perpetrators of
some responsibility for what has
been going wrong," he said.
today's white collar crimes, came today's white collar crimes, came At BYU, Holland said he
through our higher education assumes the responsibility system," he said.
"That's why I say education is
the a stake and witness anlues
that make higher education "That's why I say education is
missing the mark." $\begin{aligned} & \text { that make higher education } \\ & \text { great - and that made America }\end{aligned}$ Brigham Young is the na-
ion's largest independent coed ion's largest independent coed
universiy $-26,00$ students. It The only federal money Jesus Christ of the Latter-Day from fees for work done on a
Saints, usually known as the basis. Holland said it is cation is that tens of thousands of people go through the schools
without being impressed with the fact that honesty is the best
policy - corny as it sounds, Holpolicy - corny as it sounds, Hol-
and said. "It would be great if college
presidents could agree that they must witness to students a belief
in hoonesty is the best policy,"
Holland said. "I think a good job descrip-
ion for a president of a universition for a president of a universi-
ty would declare him also a pro-
fessor of moral philosophy." Tessor of moral philosophy,"
There is nothing radical ab-
out teaching values, Holland say." "Plato put it in a few words "I said. Education in virtue is the only that about 60 cents of every dol
education worth the name'," he lar at Massachusetts Institute of


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