# mid fore cancer research Cure, not destruction for cells? nger

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International ncient Wond al commonly found in re- caused tumors, Dexter said. the pyramid yed the ravage

ictures - when the chemical is dimethyl for-ions of travel amide, or DMF. It's a polar solnt used frequently by organic ghout the w did not make mists. World Her Dr. Daniel Dexter, a researcher World Her Dr. Daniel Dexter, a researcher rs of the mult Roger Williams General Hospital

ad assistant professor of medicine rown University, said Monday dian ruins di MF apparently has a "somewhat matic" effect on human cancer amids we the list, w

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DMF and injected into mice did not drugs. It will involve a limited Dr. Paul C. Calabresi, physician-United Press International DMF and injected into mice did not drugs. It will involve a grow into tumors, while untreated number of human patients. rists plan extensive tests on a cancerous cells almost invariably

nt, then, while normal, unharmful ones. In the shemical is dimethal for the shemical is din the shemica

Dexter said he plans to test DMF on 50 to 100 cancer-afflicted mice. If the results are encouraging, there will be experiments with rabbits, dogs and monkeys, followed by trials on human within three to five

Dexter also confirmed that the hospital was launching a new program designed to improve the effec-Cancerous cells treated with tiveness of existing anti-cancer umber of human patients. Surgeons will remove a piece of a Roger Williams General Hospital,

patient's tumor and try to cultivate it in a laboratory dish. The tumor, which can contain up to five kinds of cancer cells, then will be analyzed in the said the first part of Dexter's experiments in which DMF-treated in the said the first part of Dexter's experiments in which DMF-treated

couple of years.

Dexter said. techniques are only in their infancy, Dexter said, and "require a lot of technical help and a certain amount

Tony Chaffin, Mgr.

for its contents. Drugs will then be cus-tomblended to attack the different kinds of cancer cells the tumor has, Drugs will then be cus-tomblended to attack the different kinds of cancer cells the tumor has, and non-treated cancer cells were injected into mice is "significant" and ready for publication.

Dexter, 38, said his research was There is a hitch. Cultivation based on a theory cancer cells can be cured and need not be killed. He said he believes cancer cells are "stuck" and unable to mature so of money." He said they would not they multiply rapidly instead. be widely available for at least "a Human cancer cells treated in the test tube with DMF seemed to ma-

ture and turn harmless, he said. Dexter said tests will be run to see if DMF can be used in conjunction with standard cancer treat-ments. Another chemical, sodium butyrate, will also be examined.

### **Castor beans** cancer cure?

United Press International LAWRENCE, Kan. - A University of Kansas biochemist says although the castor bean is poisonous to eat, it may be valuable as a cancer treatment.

Castor beans, which contain ricin, an enzyme extemely toxic to all animal cells, may be used to attack only tumor cells, Professor L.L. Houston said.

Ricin inhibits the growth of tumor cells "much more efficiently than it inhibits growth of normal cells, Houston said.

Although ricin is very toxic, the oil of the bean is not and has long been used as a laxative, Houston said. He said ricin is a protein and because proteins are not soluble in oil, the toxin is not present in the highly re-fined oil used as a medication.

Houston is studying methods of altering the ricin molecule so it will act only on rapidly growing cancer cells without damaging normal cells. Ricin is not currently used as a cancer treatment because it kills a

viewed by television reporters.

Stoney Lane, warden at the Brushy Mountain Penitentiary near Petros, said today Ray had told him nothing about the story. "I don't know a thing about it.

Lane said. If Ray and Sandhu apply for permission to be married, the ceremony will take place in Brushy Mountain's visitor's room.

"He'd be right back in his cell after it's over. There would be no honey moon," Lane said. He added that Ray and his prospective bride would not be allowed a conjugal visit.



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## Halloween early?

Freshman P.E. major Marty Bell isn't early for trick-ortreats. He was just "dressing up" for his dorm picture at Hart hoto by Paul Barton

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