# features

# Adult leukemia cure linked to antibodies

United Press International NEW YORK — Genetically engineered antibodies, especialdesigned to zap abnormal cells, may advance the treatment of adult leukemia and spark progress similar to that seen in reatment of childhood

The hope comes from Dr. ions in Baltimore.

He said one of the keys to dramatic improvements in curng childhood leukemia in the past decade has been the ability consistency to diagnose variations of the keys to cytic leukemia.

Civin hopes that pace will go on once subtyping of AML disease becomes as well established. ions in certain kinds of leuke-

The so-called subtyping had he said. aken place only in acute lymphocytic leukemia, the most common childhood type.

Civin believes his investigainderstanding of

myelogenous leukemia (AML) and custom-designed treat-

AML accounts for only 10 percent to 20 percent of all leukemias in children. But it constitutes about 80 percent to 90 percent of adult leukemias.

Advances in curing children with leukemia, now at about 60 Curt I. Civin, assistant professor percent success rate, have been credited largely to drugs designed to rub out lymphocytic percent success rate, have been cells. Those are the cells that He said one of the keys to turn cancerous in acute lympho-

nia so doctors know exactly which cell types become abnormal. know much more about the myeloid cells, the bone marrow cells which become cancerous,"

"By knowing more about which subtypes of myeloid cells become cancerous, and at what stage in their maturation they ions should lead to a similar are arrested, we should be able acute to improve therapy.

stop maturing at a point in their growth. The normal cells are replaced by the arrested growth abnormal cells.

Civen uses genetically en-gineered monoclonal antibodies to accomplish the subtyping. Developed in his laboratory, these tailor-made antibodies match receptors — antigens — on the surface of myeloid cells.

He believes the research might lead to one or more of the following:

• Development of drugs to wipe out only the affected cells, sparing normal ones. • Discovery of tumor-specific

antibodies to serve as markers only for cancerous cells. • Development of drugs that

might be piggybacked onto tumor-specific antibodies, so the drugs are carried only to cancer

But at this point, he cautions these are only theoretical possi-

### Parents paying high price

# Smugglers reunite familie

United Press International HONG KONG — Parents de-

sperate to be reunited with their children are hiring smugglers to frightened out of their lives, in get the youngsters illegally out of China into Hong Kong.

The smugglers, known locally as "snakeheads," sneak the children past barbed wire bar-riers and armed patrols along the border, or bring them in by sea to be reunited with parents who fled their homeland to find

children tucked under the floorboards of a leaking sampan, some cases drugged so that they China into Hong Kong.
But it can be dangerous for echildren.

won't make a noise and be detected," said Police Commissioner Roy Henry.

> 'And then if they are detected, they're abandoned by the wander in a confused state of mind not knowing where they tered Hong Kong before the own merits.

are, not knowing what they are cutoff want to be

Nearly 4,000 children, averaging only 6 years old, have been smuggled into Hong Kong since October 1981, when Hong Kong revised its immigration laws and no longer granted illegal immigrants permanent resi-

That change reduced the inracketeers and left either to flux of Chinese from hundreds drown because the racketeers of thousands in 1979-80 to a

have jumped over the side, or to trickle of a few thousand a year. Now many of those who en-

na. But getting permis

76 NO. Chinese authorities is Immigration aut secretive about the plying to illegal immi

dren, apparently to couraging the smu The general policy immigrants - chi adults alike - is to se back from whence the But with minors, a

#### a bowler's heaven Bronco

United Press International DALLAS — In the south part of town, literally on the other side of the tracks, is a little bit of bowling, paradient the Presso bowling paradise: the Bronco Bowl, 72 lanes of hardwood heaven, and it could be argued

that bowling is just its sideline.
"It's got the works," said
Richard Babb, a Safeway clerk
who bowls at the Bronc a couple of times a week.

One marquee out front, the biggest of three that sports a

modest about what the Bronc offers. "World's Finest Recreation Center," it brags, and that

might not be an overstatement. For the record, the 180,000 square-foot building offers 72 lanes of bowling (with automatic or "Magic Scoring"), a golf driv-ing range, three batting cages, an archery range with six targets, 31 pool tables, a barber shop, a beauty salon, a nursery, video games, a snack bar, a private club and a 2,500 seat audigiant bowling ball and pin, is less torium that offers a variety of

shows and exhibitions, including one weekend of full contact has been no silver mine LT karate in early March.

The facility opened in 1960 in the Oak Cliff section of mostly black south Dallas — not the part of town frequented by its owners, the billionaire Hunt bowling balls on hand lark was brothers, Nelson Bunker, W.

Manager Don Stryke, anent mer pitcher in the chesday at White Sox organization 252.

"Friday and Saturday days, 17 Herbert and Lamar.

Lamar Hunt said the Bronc was built by the brothers as a biggest nights," Strik ife had be "and if the weather's man-made ness is really good." Dec. 2.

### Painless eye surgery possible with new laser

United Press International CHICAGO — Doctors say a new "cold" laser that explodes issue instead of burning it

o work that day. Dr. Manus Kraff, an ophthalnic surgeon at Northwest Hosoital — one of six centers in the nation to receive the \$130,000 blindness. aser last fall — calls the laser an exciting new development in the

ield of ophthalmology.
"What we used to have to do was to go in with a knife at the pperating table and make a slit or an opening in there," said Graff, who also is president of

plant Society.

"Now we focus a light in there and the light literally explodes veloped by Dr. Franz Fankhaus-

The laser can treat patients with cataracts and diabetic hemorrhages and may be able to help doctors prevent some

because it delivers its energy in pulses and creates practically no glaucoma. heat as do conventional argon lasers widely used in eye surgery. The new laser is known as the LASAG neodymium: YAG laser. YAG — vttrium alu-

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the American Intra-Ocular Imminum garnet — is the crystal in the laser.

by the way for a new era of eye surgery. It's painless, takes mizes it, and makes that monstrated last week at a United State of the way for a new era of eye surgery. It's painless, takes mizes it, and makes that monstrated last week at a United State of the way for a new era of the way for a ne versity of Illinois Department of

Ophthalmology symposium. In Europe, the laser already is used to cut scar tissue and adhesions and treat diabetic hemor-The "cold" laser is so called rhages. Fankhauser has been investigating the treatment of

Kraff said the laser will prob-

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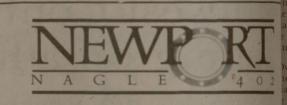
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