

### Dead heads

Jerry Garcia (L) and Bob Weir (R), two of rock's elder statesmen, will return to the area with the rest of the Grateful Dead at 8 p.m. Wednesday, April 12 in Cameron Indoor Stadium at Duke University. Besides its mystique, the Dead features a free-form jazz sound. Tickets for the concert are \$7 and \$6, and are on sale now at Page Auditorium, Schoolkids Records, Sam Goody, Camelot Music and Choice Quality Stuff. Staff photo by Allen Jernigan.



## May help diagnose disease

# Cell discovery linked to leukemia

By **ETTA LEE**  
Staff Writer

Dr. Jacob S. Harker likes to think of his discovery as a victory for UNC research as much as a personal triumph. On a bulletin board in his laboratory at the Dental Research Center is a sign reading, "Phi Body: a new cell organelle discovered at UNC."

"I don't want to make it sound like in the article that I was wholly responsible for the research," he tells a reporter. "I have had lots of help. I have a very faithful crew. You can't do it without that kind of help."

Harker is referring to his discovery last year of phi bodies, parts of human and

animal cells which have become markers for diagnosing certain kinds of leukemia. Harker is a UNC professor and histochemist, which is a tissue chemist.

His discovery has been applauded in journals such as *Science News*, *Family Health and Science*. An account was even carried in the *National Inquirer*.

As a histochemist, Harker has spent many of his 25 years of research devising new ways to stain parts of the cell so they can be studied with electron and light microscopes. He was mainly interested in studying cells for their enzymatic activity.

"Now, biochemists usually take cells and they disrupt them in trying to study the parts of cells. And actually, they're studying the parts of the cell in the absence of the other parts that are necessary for it to function properly. So we were trying to study the parts of the cell in its natural environment."

It was during this research that he discovered the phi body as a functioning part of cells. Using a light microscope, he first saw the body in salivary gland duct cells. Dr. Dwight Romanovitz, an electron microscopist working with Harker, quickly verified with the electron microscope that this was a unique particle, and observed it also in liver and kidney cells of animals exposed to certain drugs and insecticides.

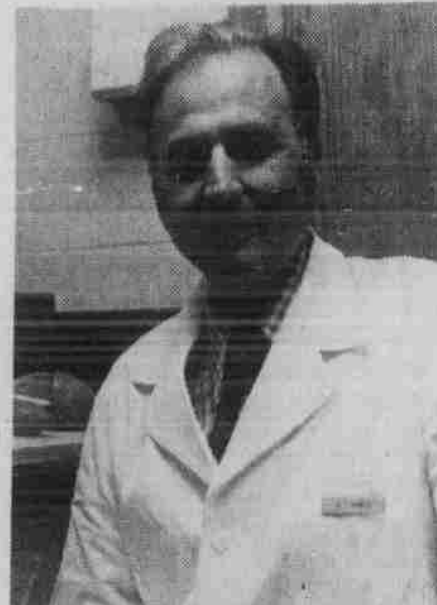
"The body came to be known as a phi body because it is shaped like the Greek letter phi," Harker said. "The phi body obtains this shape because of its production of rods which extrude from the body and eventually break free of it."

When later lecturing in Italy about his discovery, Harker was told by an Italian scientist that the phi bodies seen by Harker looked like Auer rods. Auer rods had been noticed for many years in leukemic white blood cells.

Harker deduced, therefore, that phi bodies must be present in leukemic white blood cells.

"It was a dramatic discovery," he said.

With the help of Duke University hematologists, Harker has determined that



Dr. Jacob Harker

phi bodies may be useful in classifying and diagnosing acute, non-lymphocytic leukemias.

Scientists at UNC and Duke are working on a smear, similar to a Pap smear, Harker said, which can be taken from a patient's gums. This may reveal if a particular type of acute leukemia is suspected. It also has been found that the phi bodies seem to disappear after successful treatment of leukemia.

"Now, that doesn't mean we're going to diagnose leukemia from people's mouths," he said. "But one doesn't know when it would be necessary to screen, either by a gum smear or a blood smear, a large population to see if they have these bodies — for example, years after an atom bomb blast or an atomic accident or say, exposure to some other carcinogen."

For Harker, there was double satisfaction in discovering phi bodies. First, there was pride in having discovered something to help other people. Second, there was a personal satisfaction.

"This is no longer work. It's fun now."

## Ballet group gives lessons to dancers

Members of the Atlanta Ballet Company, which will be on campus Saturday, April 8 and Sunday, April 9, will offer classes in ballet and modern dance to interested persons in the community.

The class in modern dance will be from 10:00-11:30 a.m. The ballet class will be conducted from 11:30 a.m.-1:30 p.m. Both classes will be held at the Dance Studio in the women's gym.

The company's artistic director Robert Barnett will teach the ballet class. His credits range from study with Nijinska to featured roles with the New York City Ballet. Tom Pazik, associate director, will teach the modern dance class. He is the creator of the company's *A History of Dance*.

At 8 p.m. Saturday in Memorial Hall the company will present *A History of Dance*. At 8 p.m. Sunday in Memorial Hall the company will present a full performance.

For more information, call the Carolina Union (933-2285).

## "WHY DO THE HEATHEN RAGE?"

Psalms 2:1 and Acts 4:25

The late great Evangelist "Billy Sunday" said "PUT A POLE CAT IN THE PARLOR: WHICH CHANGES FIRST? PARLOR, OR POLE CAT?" He did not give the answer to this problem, probably thinking all would have sense enough to figure it out! Surely there has been tremendous change in Churches since his day! Could it be caused by Spiritual Pole Cats getting in the Church!

In the 5th Chapter of Amos, God tells His people He "hates" and "despises" their offerings of worship and will not accept them. There is nothing to their worship - except offense - unless they rise up and put away evil, crime, lawlessness, etc. with which their land is filled, and with which their land is defiled. Verses 21-24: "I hate, I despise your feast days, . . . Though you offer Me burnt offerings and your meat offerings I will not accept them: neither will I regard the peace offerings. . . Take thou away from Me the noise of thy songs; for I will not hear the melody of thy viols. "BUT LET JUDGEMENT RUN DOWN AS WATERS, AND RIGHTEOUSNESS AS A MIGHTY STREAM!"

An article in this column some time ago told about the writer's contact and experience with a hold-up man. Quote: I told Mr. Hold-up if I had the responsibility and power of the law in my hands, his body would probably now be in his grave, and his evil spirit - unless he truly repented, and it don't take long to repent - would be in hell with his "daddy, the devil!" Genuine Christianity don't tolerate evil! The Bible not only says "Resist the Devil," but it also says "Give no place to the Devil!"

What do you think? If men knew this was the law and believed it would be promptly and faithfully enforced, would it not do away with hold-up pests? If it was known

that this was the law regarding murder, rape, homosexuality (crimes for which God Almighty's Law demands the death penalty), and men believed and knew it would be promptly and faithfully enforced, would it not cleanse the city of murder, rape, homosexuality, etc., etc.!

Would you like to live in a city, a state, a nation where these abominations have been stamped out? I would! I expect to in due time. Abraham, The Friend of God, The Father of the Faithful, "looked for a city which hath foundations whose builders and maker is God." At least three times God promises that "the earth shall be full of his knowledge and glory of The Lord as the waters cover the sea." Where will you be then in view of your present attitude, and actions, and witnessing concerning the abominations that fill the earth almost as the waters do the seas? (DISOBEDIENCE TO THE 10 COMMANDMENTS).

May another question be asked for your consideration? Can one be a Christian that rejects Capital Punishment? Was not Christ's Crucifixion on the Cross Capital Punishment? Though Innocent He offered Himself to die for the guilty! "GOD SO LOVED THE WORLD THAT HE GAVE HIS ONLY BEGOTTEN SON" - gave Him for Capital Punishment that God's righteous and holy Law might be carried out: "the soul that sinneth shall die" - THAT WHOEVER BELIEVETH IN HIM MIGHT NOT PERISH BUT HAVE EVERLASTING LIFE." "Believeth in Him," that He substituted His Sinless Self and took Capital Punishment that my Sinful Self might live eternally a redeemed soul!

"FOR THIS IS THE LOVE OF GOD, THAT WE KEEP HIS COMMANDMENTS: AND HIS COMMANDMENTS ARE NOT GRIEVOUS." 1st John 5:3

P. O. BOX 405, DECATUR, GA. 30031

## HOW TO TAP A KEG.

Few things in life are as rewarding or as easy as tapping a keg of cold Schlitz draught beer, providing you follow a few simple rules:

1. Do not roll the keg down a hill before attempting to tap it.
2. Do not pump in too much pressure after tapping. This can force the natural carbonation out of the beer and make it foamy.
3. If the person tapping the keg makes either of these mistakes, politely point out the error of his ways. Unless, of course, he weighs 265, plays tackle, and goes by the nickname of Moose. In this case you should simply say, "Nice goin' Moose."

To get a keg for your next party, call Siglinda's Beer Person on Campus, or look in the yellow pages under "Beer."

Class dismissed.

Siglinda Steinfüller  
Dean of Beer

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