Autopsy on mummies aids research

By CAROL HASKIN

Since Tutankhamen's tomb was sened in the 1920s, the mirmmy has sen one of America's favorite mon-

at Lon Chaney Jr., suffocating der three miles of surgical band-jes, as the semi-decomposed but live-

grudge.

Who would have thought that this desecated desperado would end up helping modern man?
Six years ago Bloomfield Hills resident Dr. Robin Barraco, an assistant professor of physiology alt Wayne
State University Medical School, decided he'd like to perform some medical research on mummies in his spare
time.

time.

Today, seven mummles later, Bar-raco, 30, and his two associates have published some important medical indings with implications for modern man and his ability to adapt to dis-

see...

Barraco said the initial goal of the
nummy project was to look at cerain types of diseases and see howhey have changed in the last few
housand years.

today."

In February 1973, Barriero and his two colleagues, Dr. T. Alden Cock-burn, the medical health director for the Mayor's Committee on Human Resources Development and a research associate of the Smithroutin, and Dr. Theodore A. Reyman, chief of pathology at Mt. Carmel Hospita, Performed an autopsy on Pum II.

Pum II was their fourth mumny, the second from the Philadelph University Museum for which it was named, and the one who made all the headlines.

toms of his feet were painted white. He lived in the 2nd or 2nd Century, B.C., and was about 40 years old when he died as speciates were joined by an interdisciplinary team of scientists from around the world. When the autopsy was completed, each acterists took tissue home to perform further tests. The compiled passits were published in a recent issue of "Science."

THE SCIENTISTS found a cache of diseases in Pum II. Barraco said that Pum sulfered from hardening of the arteries on the same level that exists today, which indicates that heart disease existed two thousand years ago. Pum also had silicosts sand in the lungs, probably from breathing in disert dust storms. His lungs aboved traces of carbon, today known as miners' black lung disease, that perhaps resulted from burning fires in close places. As for infections, Pum had them in

As for specious, run has intentine.

The researchers wanted to investigate the problem of pollution,
Barraco said, so they examined the
heavy metals in the mammy's tissues.

"In order to know what pollution

"In order to know what pollution is," he explained, "you have to have baseline standards, determined by pre-industrial levels in tlasues."

THE TESTS showed that all heavy metals appeared to Parn ist the same level if which they appear in modern man, except for lead. Lead values, in 20th Century tissues, Barraco reported, are 180 times higher. "Therefore modern man is being poliuted by lead," he said, "probably from automobile's – gas." He said that according to some theories, the fall of the Roman Empire could be stiffbuted in part to lead poliution which causes mental deterioration.

ton. A non-medical bonus uncovered by the autology was the discovery that the autology was the autology with the autology was to the autology was traded in the Far East or India at least during and perhaps seven before Pum'a time.

Pum It is again at rest — this time has display case in Washington's National Museum of History. The three betroit doctors, however, are now kept busy due to the international re-

Students write winning essays

BIRMINOHAM—Two sophermores from Brother Rice High School were named second and third place winners in the recent essay contest sponsored by the Oaktand County Lincoh Republican Cith.
The contest was open to all students in the county and required them to write an essay on "Lincoh the Man." Randy Hack, 1860 Welherby, Beverly Hills, won second places and to the contest and John Bradike, 2538 Chaises Lane, Troy, won third place and \$25.

Both students are in an honors Eng-lish class taught by Dave Fields.

pute Pum brought them.
WRE SERVICE stories about the
autopsy were carried in newspapers
around the world. Barraco told the
story of the operation on television in
Toronto, London and Rome. Major
museums have offered them mum-

mies to study, and they received re-search grants for expeditions to Egypt, South America and Alaska. The doctors continue their work through the Paleopathology Associ-ation which they founded. Last aum-mer, the team went to Alaska and

brought back a 2,889-year-old Eskimo on weaver for the Pharaoh in the 12h contary, B.C.

Barraco said they are currently strained a 3,289-year-old manney in that of a Byser-old boy named Facks that was as a Byser-old on the strained on the strained with the said of the



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