

Human Guinea Pigs Often Risk Lives for Science, Get no Reward

By HOWARD W. BLAKESLEE
Associated Press Science Editor

NEW YORK—The most underpaid job in the world, in terms of cash, is that of a human guinea pig in medicine.

It always has been so. The first recorded human guinea pig was a man who did it for the privilege of looking upon a king. He appeared before Charles I. of England, about the year 1628.

This man's heart had been bared by an accident, and Dr. Harvey, as part of his discovery of the circulation of blood, showed the King that there was no pain when his bare heart was touched. Harvey used animals too in his discovery.

Lack of such tests had delayed this discovery for about 1300 years during the Dark and most of the Middle Ages. One of the barriers was a ban even on dissecting a human cadaver.

Human guinea pigs began to be numerous about 1850, but they worked without pay, for in most cases they were scientists who were willing to risk their own lives. Many of these swallowed newly found poisons, looking for medical uses.

Test Chance With Radium
Pierre Curie, co-discoverer of radium, tested himself when he heard that radium would cause skin burns, by wrapping some radium in salts around his arms for several days. Curie's arm bandage is probably the last thing any atomic scientists of today would risk.

Apparently the first use of prisoners as guinea pigs was in 1904, in the Philippines, among convicts condemned to death. Their reward was tobacco.

But since then the guinea pig business has boomed. Prisoners Rewarded

In World War II many prisoners submitted to tests for malaria and other diseases. Their rewards were sometimes as much

as \$100, and also in nearly all cases, certificates of merit. These certificates were supposed to be useful in advancing paroles but the holder had to argue.

Now, in the last of the malaria experiments, at Seagoville, Texas, on prisoners of the Federal Correctional Institution, the Under Secretary of War has ruled that certificates of merit will be accompanied by some reduction in time of sentence. The Seagoville prisoners also receive \$100.

Principles Centuries Old
The historical facts are from a study by Dr. A. C. Ivy, University of Illinois college of medicine, who explains that Hippocrates, father of medicine, four centuries before Christ, set the moral principle for doctors in his oath for physicians, to which every young doctor swears to this day. The oath, to give others freely of medical discoveries, recognized the fact that every patient is to some extent a guinea pig.

From that day to now, medical authorities have insisted that human guinea pigs should be volunteers.

Risks Now Avoided
American universities do extensive human guinea pig work, with student volunteers. But the experiments are safe. Most frequent are studies in eating, in which the student's reward is usually free board.

At Tulane, student volunteers had radioactive phosphorus injected into their blood to count the number of red corpuscles in the human body. This was an exciting adventure, because radioactivity inside you is something new and dangerous. At Tulane the risks were avoided.

There is systematic recruiting of guinea pigs at the University of Pennsylvania medical school. When student volunteers are wanted, a note is posted on the Dean's bulletin board. There were two notes this spring.

One asked for three for metabolism tests. They were to spend all their time in a hospital, but would be free to read, study and play shut-in games, all for \$100 and keep. The other wanted an unnamed number for respiration studies for a stipend not specified.

FROM NINE TO FIVE

By Jo Fischer



Just what in the world kind of lunch did you order in French, hysteria?

Super-Chief Sabotage Fails



An unsuccessful attempt to wreck eastbound Super Chief near South Pasadena, Calif., is under investigation. Here Police Chief E. C. Senter (left) studies 36-foot steel rail (foreground) which had been placed across the tracks. The locomotive apparently threw it off tracks, thus preventing derailment. Lt. R. B. Blakely (right) looks in vain for fingerprints.

Yellow Fever Heroes
The high point of all human guinea pig work, and rewards too, was the conquest of yellow fever, by Dr. Walter Reed's group, in Havana, in 1900. There were four doctors, seven American soldier volunteers, and 12 other volunteers, both Spanish and Americans.

The pay to volunteers was \$200 each, to doctors nothing. But many years afterward, John Kissinger, who got a bad case of yellow fever from a mosquito bite, but refused the money, and whose health remained precarious, was given a pension by Congress and the Congressional Medal of Honor.

Dr. Jesse Lazear died of yellow fever, all for no pay. In fact historical documents say Lazear declared his bite was accidental, so as to keep his life insurance from being cancelled.

regular tariff rates." The Justice Department said "by means of such contacts, the defendants have secured control of virtually all the commercial cargo transported in the trade involved."



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Shipping Lines Face Federal Suit

WASHINGTON, Aug. 6.—(AP)—Attorney General Clark said today 25 shipping lines have been accused of conspiracy to monopolize the cargo trade between Atlantic and Gulf ports and points in the Far East.

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Economic Squeeze Forces Soviet To Relax Financial Blockade

By DeWITT MacKENZIE
AP Foreign Affairs Analyst

They say that little straws show how the wind blows, but one takes the liberty of doubting whether the course of the straw is very helpful in the case of whirlwinds.

Thus it is with cautious interest that we note some easing of the cyclonic quarrel between Russia and the Western Allies. From Moscow comes word that reliable sources say there is a good chance for "an agreement" between the warring nations. On top of that we get the Russian authorities' surprising move in relaxing their onerous financial blockade of Western Berlin for the present.

This financial blockade, by the way, is distinct from the food blockade, although the latter was imposed because of the financial quarrel between the Soviet and the Western Allies. Some weeks ago the democracies made a new issue of German marks for their three zones, which previously had been dependent on the Soviet currency.

The Russians promptly outlawed the money in the American, British and French areas of Berlin on the claim that the capital is part of the Soviet zone—an assertion which the democracies dispute. The Muscovites also blocked the Russian mark accounts of the anti-Communist city government, as well as accounts of some business houses.

The result of this financial blockade has been to deprive both government and business of funds to meet commitments. The situation was becoming serious when yesterday out of the blue the Soviet authorities released blocked funds to enable the city government to meet its weekend engagements. Similar arrangements were made with business houses.

Charles Giffard, British fi-

National Guard Ceiling For Enlistments Upped

WASHINGTON, Aug. 6.—(AP)—The National Guard yesterday made way for more enlisted men by lifting the ceiling on enrollment of commissioned and warrant officers and certain World War II veterans.

Maj. Gen. Kenneth F. Cramer, chief of the Guard Bureau, said the new order was aimed primarily at building up the officer

strength of the expanded state units. But since officers no longer will be charged against the unit quota, he noted that this will enable more qualified men to enlist.

The national guard bureau also revised the state quotas for listed men including Oregon. The Army in that state the quota was fixed at 2,667, and the Air Force 940.

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God's Word
8. Be not thou therefore ashamed of the testimony of our Lord, nor of me his prisoner; but be thou partaker of the afflictions of the gospel according to the power of God:
9. Who hath saved us, and called us with a holy calling, not according to our works, but according to his own purpose and grace, which was given us in Christ Jesus before the world began.

11 TIMOTHY 1:8, 9

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