

MAKES DEAD HEART BEAT

Chicago "U" Professor Conducts Experiments Which May Prove of the Utmost Importance.

Work Carried to Its Logical Conclusion Would Bring Dead to Life.

New York Sun Special Service. Chicago, July 20.—Members of the faculty and students engaged in scientific research work at the University of Chicago are deeply interested in experiments being conducted for the first time in America by Professor Elias P. Loomis, of the physiological department. Thru these experiments the scientists have increased their knowledge of the heart and its workings, and a new light is thrown on all recent discoveries concerning that organ made by Dr. Jacques Loeb, Dr. David J. Lillie and others.

Dr. Loomis' experiments show that the heart of an animal, dog for instance, can after the animal is dead, be taken from the body and made to beat in a normal manner without the use of the artificial stimulants, which Dr. Loeb and others had used for that purpose.

Visitors to Dr. Loomis' laboratory at the university saw hearts of animals in glass jars pulsating as they were in the bodies of the animals when they were alive and driving blood thru tubes into the extricated lungs of the animal or into the receptacles especially provided for that purpose.

The Way It Is Done. Altho Dr. Loomis disclaims the honor of being the first to discover that a heart could be made without stimulants to perform its normal functions after having been removed from the body, his experiments have been carried to a more successful conclusion than any heretofore made. He takes the heart from the body of the animal, places it in a jar and attaches thereto a loop of glass tubing to which the animal's lungs are also attached. The chambers of the heart are then filled with defibrinated blood. Defibrinated blood is that from which has been taken the fibrin, which causes it to coagulate. The fibrin can be removed without affecting in any way the chemical properties of the blood. It is removed by simply stirring the cooled-off blood with a glass rod. The fibrin coagulates on the rod.

When this blood is again placed in the heart, that organ resumes its pulsations in order to keep the heart in motion the blood must be aerated. This is done either by pumping air into the lungs or by allowing air to enter one chamber of the heart thru an inserted tube.

The professor is now experimenting with the hearts of animals killed in the stock yards, and finds that he can induce these to beat many hours after the animals have been killed, by removing from them the clotting blood and refilling them with thin blood.

Possibilities of Discovery. Why, argue the scientists, since they can cause the heart taken from the body of a slaughtered animal to resume its motion, should they not succeed in causing the heart in the body of an animal that has died a natural death to pulsate anew, and so put life again into the body?

PAYNE IS VERY ILL

Condition of the Postmaster General Reported to Be Serious.

From The Journal Bureau, Room 46, Post Building, Washington.

Washington, July 20.—Word came from New York this morning that Postmaster General Payne spent Saturday at Tompkinsville and sailed yesterday morning for Boston, where he will remain three days, returning then to New York for another brief stay. Assistant Surgeon Taylor is with him as medical adviser. He transacts no business and all callers are turned away. It is believed here that his physical condition is very serious and that he is having another attack like that in the 1900 campaign in Chicago, only more severe.

ELKS ASSEMBLE

15,000 of Them Are in Baltimore for the Convention.

Baltimore, Md., July 20.—Large delegations of Elks from various parts of the country continue to arrive to-day, for the convention to-morrow.

To-day 15,000 members of the grand lodge, under the escort of Exalted Ruler Thomas F. McNulty, and a local committee, went on an excursion down the Chesapeake bay to visit the naval academy and statehouse.

AN AMATEUR HYDRA

Curious Two-Headed Snake Is Found in California.

San Francisco, July 20.—A double headed snake that can back up as readily as it can move forward has been added to the natural history department of the memorial museum. It is about thirty-two inches long and about as big as the handle of a table knife.

It belongs to a wholly tropical species called amphibanna. The reptile hitherto has been found only in South America and the West Indies. The specimen just presented to the museum was captured at Half Moon Bay in this state.

AWFUL CRIME OF JEALOUS HUSBAND

Shoots His Wife and Her Daughter and Narrowly Escapes Being Lynched.

Woman Was 64 Years Old, but He Suspected Her of Misconduct.

New York, July 20.—Only by drawing their revolvers and threatening to shoot to kill, did several Brooklyn policemen prevent a mob from wreaking vengeance on Frederick Kriemeyer, after he had shot his wife and his stepdaughter. Up to the doors of the Hamburg police station the clamoring mob cried "lynch him!" and it was necessary to call out the reserves. Kriemeyer was so badly beaten before the police rescued him that he had to be taken to jail in an ambulance.

Altho he is 60 years old, Kriemeyer was driven to the shooting by jealousy of his wife, whom he married three years ago and who is 64 years old. She owns the house in which they lived and in the station he asserted that she had been receiving the attentions of a wealthy butcher for some months and that he saw her and her daughter with this man just before the shooting.

In the hospital, suffering from three bullet wounds, his wife said, in reply to his assertions, that he was crazy. The shooting followed a quarrel during which Kriemeyer was reminded that he did not own the house. Running from the house after the shooting, Kriemeyer was surrounded by a crowd of neighbors and quickly beaten down. A policeman forced his way to the fallen man and drawing his revolver kept the crowd at bay until help came. The crowd followed, however, until the prisoner had been safely locked up.

The wife will probably recover, but it is believed the daughter will die.

RELIC EFFECTS CURES

New York Cripples Say They Are Healed by Relio of St. Anne.

New York, July 20.—In the little brick church of St. Jean the Baptiste, hundreds of cripples have prayed during three days before a relic of St. Anne, enshrined on the altar. The relic is a small, round, golden object, most remarkable one of the present novena being that of a woman from Troy, N. Y., who was injured three years ago by a trolley car and was able to walk only with the greatest difficulty. She has grown aside her crutches and asserts she has been completely cured.

GOVERNMENT WAS EASY

Paid Big Price for Automatic Cash Registers.

Washington, July 20.—It has developed that the total number of machines supplied to the postoffice department by the Brandt-Dent Automatic Cashier company of Watertown, Wis., was 527.

The inspectors have evidence of this, altho the present action of the grand jury in Brooklyn in indicting George W. Beavers is based on a contract under which 250 of the machines were supplied. The cash registers were sold openly in the market thruout the country for \$125, while the government paid \$160 each. There was a slight difference in the construction of the machines sold in the open market and those sold to the government, but the inspectors say this was trivial and that the cost was insignificant.

NEW SPANISH CABINET

Marquis Villaverde Gets a Slate Together.

Madrid, July 20.—The new cabinet has been definitely constituted, as follows: Premier, the Marquis Villaverde. Foreign minister, Count San Bernardo. Minister of justice, Senor Santos Guzman.

Minister of finance, Senor Besada. Minister of war, General Martitegui. Minister of the navy, Senor Estirna. Minister of the interior, Senor Garcia Aixa. Minister of public instruction, Senor Bugallal. Minister of agriculture, Senor Gasso.

Via Soo Line, \$30.—St. Anne de Beaupre, Quebec and Return.

Date of sale, July 19th to 22d inclusive. Booklets and itineraries at the ticket office.

The Salt Lake Herald, Perry Heath's paper, prophesies the disappearance of the Great Salt Lake within twenty-five years. In Tenerife, Canary Islands, 5,000 women make \$250,000 worth of drawn work for English and Germans annually.

DEAD MAN SWEARS

Supposed Corpse Objects Vigorously to Being Embalmed and the Funeral Is Postponed.

Rochester, N. Y., July 20.—George Wilson, an old resident, who was pronounced dead by his attendants Saturday night, has come to life.

When the undertaker arrived Wilson's body was stiff and cold. Preparations were being made for embalming when the supposed corpse suddenly jumped up and swore at the undertaker for handling him so roughly.

The coroner has issued an order forbidding embalming until twelve hours after certified deaths.

THE GUYING OF GUY

Actually Believed He Had a Check From Russell Sage, but 'Twas Bogus.

New York Sun Special Service. New York, July 20.—When he learned that a check for \$1,000, purporting to be signed by Russell Sage, which he received by mail, was a forgery, it was a great disappointment to John Guy. It happened more than two years ago, and ever since then his friends have teased him about it. Tiring of this, Guy called on Mr. Sage and asked the financier to take some action against the man who signed his name to worthless checks. Guy is a negro coachman. When Mrs. Sage fell down the stone steps of her home and dislocated her shoulder two years ago Guy was the first to rush to her assistance. Both Mr. and Mrs. Sage thanked him for his kindness. A day or two after this incident Guy received the letter inclosing the check for \$1,000. The letter was an expression of thanks for helping Mrs. Sage. It bore the alleged signature of Russell Sage, as did also the check. When the cashier told Guy the check was not good, Guy was overwhelmed with chagrin. When Guy called on the financier yesterday to make his complaint Mr. Sage referred him to Mrs. Sage.

TROOPS GO TO JACKSON

Feud Terrorized Town Again Guarded by the Blue-Coated Militiamen.

Jackson, Ky., July 20.—The circuit court convened here to-day in special session for the investigation of the Ewen hotel and the attempted robbery of Captain B. J. Ewen, principal witness for the prosecution in the assassination cases of Garfield and Tom White. Judge D. B. Redwine refused to vacate the bench and empaneled the grand jury which is being charged to investigate not only the burning of Ewen's hotel and the alleged attempt to bribe him, but also the assassination of Dr. B. D. Cox, which occurred a year ago last April.

The jury was taken from the regular jury panel, selected by the jury commissioners who are Hargis constituents, and this is causing dissatisfaction.

SOLDIERS RETURN. Lexington, Ky., July 20.—Owing to Captain B. J. Ewen's declaration that he expected to be killed when he went to Jackson to-day to testify before the special grand jury, a detail of soldiers was sent here by Colonel Williams to escort him to Jackson. He will leave at 2 o'clock this afternoon for Jackson and remain in camp with the soldiers.

NEW WIRELESS SYSTEM

It Now Connects All Islands of the Hawaiian Group.

Honolulu, July 20.—It is reported that \$100,000 worth of Hawaiian territorial bonds have been sold in New York at the rate of 97 1/2%.

The wireless telegraph system has now been extended to all of the islands of the Hawaiian group. Kaula, the last island to be connected with the others, is ninety miles in a direct line from Oahu.

A petition is to be sent to Washington asking for the passage of a law to protect the fish supply of the islands, the territorial legislature having refused to consider the matter. The legislation desired is to prohibit the use of close mesh nets by Japanese fishermen.

ACTOR-PRIEST RESIGNS

Will Attempt to Reconcile Church and Stage.

New York, July 20.—Rev. Walter B. Bentley, rector of Holy Sepulchre parish, and a leading spirit in the church's alliance, has resigned from his pastorate work. He is a well known actor before entering the ministry.

"I believe the church should reach out to stage," he said, "and also that the alliance is the best agency yet devised for that purpose. I have long wished to devote my entire attention to that work, and I now find it possible, and so resign my rectorate. The alliance is in a flourishing condition with branches and branch workers all over the country."

Money in Your Purse? That's what you can have, if you will read the proposition on the Want Page and send in your answer.

The Plymouth Clothing House. Established 1882. 44th Semi-Annual Reduction Sale. Clearance Sale Summer Gowns. An announcement concerning Suits and Skirts and all Summer Dresses, to go at half price; some even less. 100 Skirts of white pique and vestings, worth \$10 and \$12.50. Sale price \$7.50. 90 new pique Skirts, worth \$7.50. \$3.00. Summer Dresses Half Price. \$30.00 and \$35.00 Gowns at \$15.00. \$25.00 and \$20.00 Gowns at \$10.00. Alterations charged for at actual cost. Special Sale Muslin Underwear. Our entire stock of Undermuslins consisting of garments of Muslin, Cambric and Nainsook—all well made and daintily trimmed with the finest of lace, to be sold at less than half price. In our New Muslin Underwear Department on the Second Floor. CORSET COVERS. \$1.00 and \$1.25 qualities, 48c. \$1.50 and \$1.75 qualities, 65c. LONG SKIRTS. \$1.50 and \$1.25 qualities, 75c. \$1.00 qualities, 50c. DRAWERS. \$1.00 and \$1.25 qualities, 50c. \$1.50 and \$1.75 qualities, 75c. SHORT SKIRTS. \$1.00 and \$1.25 qualities, 50c. MUSLIN GOWNS. \$2.50 and \$3.00 qualities, \$1.00. \$1.00 and \$1.25 qualities, 50c. The Great Basement Salesroom. Besides the best exclusive outfits in the regular department, The Plymouth has a great Basement Salesroom where standard goods are sold at much lower prices than elsewhere. For Tuesday we offer— Men's \$2 Pants, 85c. Over 300 pairs of worsteds, cassimeres and chevies. They are excellently made and you will find all sizes. Boys' Suits, \$1. Values up to \$5. About 100 suits will be sold at this small price. It is a lot of odds and ends, the greater part of which are knee pant style. They are all wool, excellently tailored and in every way worthy their former price. 35c and 50c Knee Pants, 15c. A continuation of Saturday sale. It includes our 25c and 35c Pants and many 50c pants. Of course they are all wool, and guaranteed in every way. Boys' 25c Blouses, 12 1/2c. Another short lot sent down from the main floor to be sold out quickly. Sizes up to 12 years. Big Waist Offering. Over 300 rich, lace-trimmed Waists, worth up to \$1.50. 50c. 200 finer Waists, priced to sell at \$2.00. Special. 75c. Shirt Waist Suits. About 50 of that big lot left from Saturday's sale; all worth from \$3.00 to \$5.00 (lavender only). \$1. Basement Salesroom. The Great Plymouth Clothing House, Sixth and Nicollet. Recognized Fashionable Headquarters for Everybody—Head to Foot. For over 20 years the largest business for Men and Boys, and now, as well, the largest business for Ladies, also.

FINED AND LET OUT

The Man Who Carried a Letter to a Stillwater Convict.

Stillwater, Minn., July 20.—George Washburner was fined \$15 and costs in the municipal court to-day for having carried a letter to one of the convicts in the prison. Washburner was employed in the shoe factory, and in addition to being fined, will lose his position.

A force of men began work to-day on a steamboat to be built on the levee for D. M. Swain, who is building the boat for parties in Louisiana, who will run it in the cotton trade on the lower river.

The funeral of Hjalmar Olson is to be held on Wednesday afternoon. He was 25 years old and a son of Joseph Olson, the street commissioner. He had been ailing about ten years. He died from tuberculosis.

The steamers Kit Carson and Lizzie Gardner left yesterday with lumber for down-river points.

The board of county commissioners is in session to-day, and on Wednesday they will meet to equalize the personal property assessments of Washington county.

A VIBRATORY DEATH

Horrible Doom of the Mosquito Is Sealed by High Note on Alto Horn.

"A Above the Staff," Blown by an Amateur, Kills a Mosquito Sure.

New York Sun Special Service. New Brunswick, N. J., July 20.—The doom of the mosquito is sealed. The high note on an alto horn in any village brass band is sure death to the product of the New Jersey swamps. Even if the musical manager escapes the ravages of the alto horn with his life, he will be blind and deaf and therefore harmless.

J. H. Thomas, leader of the New Brunswick Silver Cornet band is the man who discovered the musical note by which the mosquito dies. The band was rehearsing a difficult composition in a minor in which there was a solo of eight bars of the first alto horn, played by Fred Nixon. The highest note in Nixon's part of the composition was A above the staff.

The night was warm and Nixon was doing his best. After tremendous effort he succeeded in reaching the high note.

A above the staff on a first alto horn produces 900 vibrations of the atmosphere per second. The blast rattled the windows and caused the gas light to flicker and Bandmaster Thomas made his discovery at the same instant. He said:

"I had noticed five big mosquitoes on the ceiling directly above the bell of Nixon's horn. When he struck that high note every one of the five mosquitoes dropped into the horn.

"Being curious to ascertain the cause of their sudden fall from the ceiling I rescued the dead mosquitoes and consulted a bacteriologist.

"He held a postmortem and discovered that both the auditory and optic nerves were completely paralyzed, showing, if the mosquitoes had lived, they would have been blind as well as deaf.

"Judging from this, I think there is no doubt that the musical note that is fatal to the mosquito is A above the staff produced on an alto horn in the hands of an amateur.

"I intend to experiment further with the bass horn. From rough calculations I think that an ordinary amateur band ought to be able to kill off all the mosquitoes in the Newark meadows in three days."

In view of the New Brunswick discovery a new field is open to the destructiveness of the village band. No longer will the ear-splitting melody be a menace to the peace and quiet of the neighborhood. When the rehearsal begins the tired and sleepy populace may console itself with the reflection that death and blindness is smiting the mosquitoes and that relief to suffering mankind is in sight at last.

WE SAY "AMEN" Geronimo and Others Join the Methodist Church. New York Sun Special Service. Fort Sill, I. T., July 20.—Geronimo and a dozen of his Apache warriors have joined the Methodist church having been baptized in the presence of a large crowd of Indians and whites. Sunday morning, with the Comanches sitting on one side of the tabernacle and the Apaches on the other each tribe with its interpreter standing in the foreground repeating the words of white preacher, the minister stood and told the story of Christ. At the close of the sermon, Geronimo and twelve of his warriors, prisoners at Fort Sill went forward and asked to be received into the church. In the afternoon the baptismal ceremony occurred.

DEFENDS THE NEGRO

Colored Pastor Holds Poverty Responsible for the Race's Crimes.

New York, July 20.—In a sermon at the Mt. Tabbot M. E. church Rev. Horace Miller, a colored minister, said:

"I have devoted years of study to the question and I find that the negro is not a bit more brutal than the white man. Not 10 per cent of the crimes charged up against the colored man are due to him alone.

"No race needs a higher education than the negro. He is becoming more criminal because he cannot get work. If he does get work the pay is such that it is not sufficient to live on. If the south had given the negro an honest dollar for an honest day's work, or even an honest half dollar, the negroes would not flock to New York to become criminals.

"The quickest way to solve the negro problem is to employ him."

American machinery for sinking wells is in demand in all foreign oil fields. Chile sells Germany \$18,000,000 worth of nitrate of soda for use in fertilizers. The island exports 360,000 tons a year, of which the United States gets one-third.

THE RUSSIAN Y. M. C. A.

Its Founder Is Given the Order of Stanislaus.

New York Sun Special Service. New York, July 20.—In recognition of the success attained by the St. Petersburg Y. M. C. A., known here as the Society for the Moral Improvement of Young Men, and founded by James Stokes three years ago, the czar has conferred upon Stokes the order of Stanislaus of the First Class. The St. Petersburg association has become the most efficient and popular organization in the city. It numbers more than 1,000 members and cannot receive more as its rooms are crowded. The gymnasium has hundreds of men enrolled. Evening educational classes are conducted which have overtaxed the hired rooms of the organization and well attended meetings are held on Sunday afternoons.

The fly develops twelve or thirteen broods every season, and an average of 130 eggs are laid for each brood. Sicily is the home of sulphur. The island exports 360,000 tons a year, of which the United States gets one-third.

NEGOTIATORS OF THE NEW TREATY BETWEEN UNITED STATES AND CHINA



This photograph, taken at Shanghai June 23, 1903, shows the diplomats and others who negotiated the new Chinese treaty. The United States commissioners were Mr. Seaman (marked 1 in the picture) and Consul General John Goodnow (3) of Minneapolis. The Chinese commissioners were Luh Hai-Luan (4), who was formerly minister to Germany and is now president of the board of works, Peking; Wu Ting-fang (6), the well-known former minister to the United States. Their advisers were Dr. Ferguson (5), secretary of the board of commerce; Mr. Hippialley (7) and Mr. Taylor (8), commissioners of customs. The United States interpreter was Dr. Barchet (2) and the Chinese Yen Tseng-yao (9). The others in the picture are assistant commissioners, interpreters and secretaries to the Chinese.