

PROFESSOR JACQUES LOEB ADDS ANOTHER DISCOVERY TO HIS REMARKABLE ACHIEVEMENTS IN BIOLOGY

PROFESSOR JACQUES LOEB, foremost, perhaps, of all the scientists in the world in biological work, has added the cap sheaf to his series of achievements along this line by the successful fertilization of the ova of the sea urchin by the sperm of the starfish.

DISLODGED MOUNTAIN PEAK SLIDES DOWN UPON CANADIAN MINING TOWN BURYING SCORES OF INHABITANTS



LITTLE MINING TOWN OF FRANK, IN SOUTHWESTERN ALBERTA, WHICH WAS BURIED UNDER TONS OF ROCK BY A VOLCANIC ERUPTION OF TURTLE MOUNTAIN, AND IN WHICH DISASTER MORE THAN ONE HUNDRED LIVES ARE REPORTED TO HAVE BEEN LOST.

PARTIAL LIST OF THE DEAD IN THE BURIED TOWN.

- Alexander Leitch, a merchant, wife and four sons. C. Ackroyd, a miner, and his wife. A. Clark, laborer, wife and five children. Andrew Garesack, trapper. G. Williams, miner, wife and three children. William Washington, miner, wife and six children. B. Sumis, miner. John Vandusen, carpenter, wife and two children. F. Sumis, miner. B. Yeskid, miner. E. Washington, miner. D. Foster, miner. A. Dawes, miner. Thomas Lock, miner. M. Mardigan, miner. James Graham, laborer, and wife. Robert Watt, laborer. E. Rochette, laborer. Thomas Delap, engineer. A. T. Ashgian, weighman. John Brighton, laborer. J. J. Scott, laborer. Frank Vouchon, laborer. John McVeigh, laborer. J. Leonard, laborer. J. Sirota, driver.

At Least Eighty Lives Are Crushed Out by Giant Avalanche That Destroys Frank, a Settlement in the Northwest Territory.

VANCOUVER, B. C., April 29.—Overwhelmed by countless tons of rock this morning shortly after 4 o'clock and with probably eighty of its inhabitants killed, the little mining town of Frank in southwestern Alberta is to-night threatened with complete destruction by flood.

the Frank mine, entombing eighteen miners. It is now known that from eighty to ninety residents have been killed, besides several miners entombed in the mine. BURIED UNDER TONS OF ROCK. The horrors of La Soufriere have been repeated at Frank in as great a scale as the population of the place would allow.

time, for seconds perhaps, but seemingly for ages and even then it was hard to realize the awful character of the disaster that had overwhelmed the thriving little town. As soon as an investigation could be made it was believed that all the men working outside the mine must have been instantly killed. The mine buildings were buried many feet deep by the first avalanche of rock.

Completes Union of Distinct Genera.

Fertilization Is Made Artificially.

Nature's Rules Are Altered by Science.

PROF. JACQUES LOEB, professor of physiology in the University of California, has added another to the startling discoveries he recently made which make for the proposition that life can be controlled and that things can be done in the laboratory which nature unaided cannot do.

Dr. Loeb's success was obtained with the ova of the sea urchin and the sperm of the starfish, which he succeeded in fertilizing after a long series of experiments and the most patient toil and study.

"It is well known that it has thus far been impossible to hybridize animals which are not in close blood relationship. Yet it seemed to me that in order to obtain more definite data for the problem of evolution the apparent barriers to a successful hybridization of not closely related animals should be removed.

"Last summer it occurred to me that possibly the idea which guided me in my experiments on artificial parthenogenesis and other problems might also lead to positive results in this case, namely, that a slight change in the constitution of the sea water (or the blood) may give the tissues properties which they do not possess ordinarily.

"1. It is impossible to fertilize the eggs of Strongylocentrotus purpuratus with the sperm of a starfish (Asterias ochracea). The main results of my experiments may be summarized as follows:

"2. I have found a series of solutions in which the eggs of S. purpuratus can be fertilized with the sperm of Asteria ochracea.

"3. The sea water contains certain substances which, if added to these solutions, prevent the fertilization of the egg of S. purpuratus with the sperm of Asteria ochracea.

"4. The same solutions in which the eggs of S. purpuratus can be fertilized by the sperm of the starfish render difficult or impossible the fertilization of the same eggs by the sperm of their own species.

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NOON TO-DAY WILL MARK CENTURY OF AMERICAN RULE OVER EMPIRE THAT NAPOLEON SOLD FOR A SONG



MISSOURI BUILDING



Cleveland Given Hearty Welcome by St. Louis Multitude.

ST. LOUIS, April 29.—Grover Cleveland arrived over the Baltimore and Ohio Southwestern at 5:50 o'clock. His train should have come in at 5:25, and a large reception committee was waiting for him over thirty minutes.

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MAJOR GENERAL HENRY C. CORBIN

ST. LOUIS FAIR BUILDING, PRESIDENT OF EXPOSITION, AND MARSHAL OF PARADE.

President Will Dedicate Louisiana Purchase Exposition.

ST. LOUIS, April 29.—A salute of 199 guns will announce to the world at noon to-morrow the close of the first century of an inland empire that Napoleon sold for a song.

One of the most impressive military spectacles of peaceful times will sweep through the metropolis of the Louisiana domain—a glittering display of American arms at the zenith of the republic's power.

Kings, Emperors and potentates send their ambassadors to swell the homage of this people to the genius that, by bloodless conquest, gave to the country a territory one-third the size of all Europe.

The presence of the President of the United States, his Cabinet, Congress and the Supreme Court, at the head of the armed column, is intended to symbolize a government by the people and its achievements. Orders have been issued by the War Department to mobilize in the vast buildings of the exposition 4000 battle-scarred regulars.

CRACK TROOPS TO PARADE. Governors of States are picking their crack militia regiments for a brave show.

Estimates by the passenger departments of twenty-nine railways converging at St. Louis indicate the attendance at the dedication of 250,000 to 300,000 visitors, mainly from points in Missouri, Illinois, Iowa, Arkansas and Oklahoma.

Arrangements for transporting the 200,000 persons who are expected to view the parade and the dedicatory review on the exposition grounds present a schedule of fifteen seconds between the delivery of visitors at the gates of the exposition.

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Day's Ceremonies May Be Marred by Inclement Weather.

Following him closely came special trains bearing a squadron of cavalry, a provisional division of the naval militia and a provisional regiment of infantry, all from New York.

Everything is prepared, President Roosevelt, ex-President Cleveland and the members of the diplomatic corps are here, and practically all of the troops that are to take part in the parade are housed upon the exposition grounds.

Cardinal Gibbons, who is to deliver the invocation at the dedication ceremonies to-morrow, arrived late last night and was driven to the residence of Archbishop Kain, whose guest he will be for the remainder of the week.

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