

# DEGREES OF DEATH ARE COMPARATIVE SAVANTS DISCOVER

California Research Reveals Certain Cells Considered Dead Live On Under Certain Favorable Conditions

By JAMES F. WICKIZER.  
United Press Staff Correspondent.  
BERKELEY, Cal.—(UP)—Life often survives after "death," University of California scientists' experiments revealed today, and the question arises:

"Dead—but how dead?" Organisms considered dead live on under favorable conditions, Dr. F. M. Uber, research associate in botany found. A living death, he revealed, is shown by X-radiated mold cells which have three different kinds of "post mortem" growth.

Suicide by gas or potassium cyanide is always doubtful because methylene blue can often restore the victim. Disease bacteria, pronounced dead after application of a disinfectant, have been found to infect guinea pigs with the disease.

Prolonged growth of "dead" organisms in the university laboratory have led Uber and others to believe that "death" is an ambiguous term. Under conditions favorable to life, he has found that death is an indefinite state.

"Dead" cells are not brought back to life," Dr. Uber explained. "They are only dead to a certain degree and will still grow."

Uber and Dr. D. R. Goddard have conducted experiments with X-radiation on bakery mold cells.

People, plants, reptiles and bacteria, considered dead, when properly treated have continued to grow. Plants with the roots removed can be made to grow by the application of certain chemicals.

More than a popular superstition, Dr. Uber said, is the fact a "dead" snake will wiggle for several hours. Even beheaded and skinned, the reptile's circulatory system will continue to pulsate for several hours, showing that cells are continuing to divide—that the snake is still growing.

By X-radiating the spores of common bakery mold, Uber and Goddard destroyed certain functions. In one instance they destroyed the sexual reproduction function. After being apparently incapable of growth the spores reproduced themselves vegetatively.

The scientists destroyed one of the two nuclei contained in each spore, both of which had been believed to be necessary to growth, but the organism grew despite this. When a complementary nucleus was destroyed the spore grew, but produced a mold of a different color and shape.

# PENN'S HOME SITE WILL BE MARKED BY NEW BUILDING

PHILADELPHIA.—(U)—A new Welcome House is to be erected near the site where William Penn made his home and entertained in the 17th century.

Workmen have started excavation, but an act of legislature will be required before building activities may commence.

The Pennsylvania Historical Commission and the Welcome Society, an organization composed of descendants of the Quakers, who crossed the Atlantic with Penn in 1672, plan to make this spot, located at Pennsylvania, 23 miles up the Delaware river, a national shrine and place of rest for tourists.

The ground was donated to the state by a gravel company. Numerous efforts have been made to restore Pennsbury Manor but nothing definite materialized until last year. The commission and society already raised one-third of the proposed cost of the \$6,500 for the work. As Pennsylvania law forbids a private enterprise on state property, the legislature's permission will have to be obtained.

Excavations have resulted in the discovery of pipes and broken bottles. The former caused considerable conjecture inasmuch as Penn called tobacco the "ill weed." Numerous mementoes of Indian habitation, including a stone corn-pounding pestle, a notched net sinker and a Jewsharp, also have been found.

# CANADA PLANS DRIVE TO SPEED RECOVERY OF BUSINESS VOLUME

MONTREAL.—(UP)—A widespread recovery movement, designed to accelerate the upward business trend which has been evident since the beginning of the year, will be launched in Canada this spring.

One of the objects of the movement will be to bring home to the "man in the street" the fact that the Dominion is on the road to better times and that in the near future it will be in the midst of one of the most prosperous periods in its history.

In keeping with Premier R. B. Bennett's policy that nothing spectacular will be staged in Canada, the various schemes being formulated to speed up industry, commerce and employment will be carried out in a quiet, straightforward manner.

The prime minister is taking business leaders, rather than economists, into his confidence, seeking their

counsel and asking for suggestions. At present a Dominion government representative is working here, discussing with leaders in every branch of industry and commerce plans to increase business, to provide more work and thus increase the purchasing power of the Canadian people.

This is only a mere detail in the prime minister's plans for bringing a business revival in Canada.

Prince Is Beautiful. CINCINNATI.—(UP)—The brother of Princess Irina Youssouloff, who was awarded \$129,800 in her suit in London against a motion picture company, is employed in a beauty salon here. He is Prince Vassili, whose wife, a princess but no Romanoff, works with him in the salon.

Evangelist Duff Opens Campaign at First Methodist. Evangelist Rev. Walter Duff, Jr., will begin a series of meetings at the

First Methodist church, West Main and Laurel streets Sunday morning, April 29. He will be assisted by his sister, Miss Duff, and their mother, Miss Duff is especially gifted in work with young people and is a skilled player of the vibro-harp.

Incidentally the Duffs are known as the Irish Trio. Their work as evangelists is quite unique as their methods are decidedly different from those used by evangelists of former days. This season they have held meetings in Newberg, Grants Pass, Ashland, Dallas, Klamath Falls and

other places. Everywhere they have held meetings they have been received by large audiences and have done effective work. The local congregation is looking forward to their coming with keen interest and invite the general public to attend any and all the services.

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Fresh, Live Rubber!  
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Save in Ward Week! Riverside 100% Pure Pennsylvania, finest oil made. Bring your own containers.



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Lifts 1 ton 5 1/2 to 14 1/2 inches. 44 in. handle. Ward Week!  
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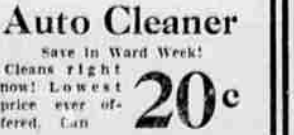
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**Patch Kits**  
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72 sq. in. of rubber, 2 tubes cement, at only **15c**



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Actually 20 yds. in 10 yd. dou. ble running pe. **25c**



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