

### INNOCENT BLUSH OF TADPOLES IS SCIENCE PUZZLE

YELLOW SPRINGS, Ohio, June 27.—(AP)—Tadpoles may not blush, but they have a trick of complexion change which interests biologists at Antioch college.

In a dark place, or against a dark background, they turn slightly dark. In a white chamber their skins become a few shades lighter.

The darkening is due to the skin pigment spreading into star-like shapes, while the paling comes from contraction of the pigment into dots.

The underlying causes are sought by Dr. Henry Federighi, assistant professor of biology.

He removes a patch of tadpole skin and grafts it back into place. There follows a period when it is fed only by the blood vessels, as the nerves are slower about mending.

In the different periods of healing, Dr. Federighi hopes to learn whether the blood or the nerves control the pigment changes. If blood proves the control, it might be said a tadpole can blush to remain unseen.

### SYNCHRO-MESH TYPE OF TRANSMISSION AID TO SAFE DRIVING

While a great deal is heard of "Safety First," it is not always realized that the motor vehicles of today are much safer to operate than were those of even two or three years ago.

Not only does each year see an improvement in the mechanical efficiency of the vehicles when considered simply as means of transport, but at the same time there is an advance in the inherent safety of the cars so that those who are quite inexperienced in their use may drive without risk of endangering themselves or other users of the road.

Probably the most notable contribution to safe driving in recent years is the silent shift Synchro-Mesh type of transmission, such as is now used in all models of the 1931 Buick line," declares H. E. Loomis, Pacific regional manager of the Buick Motor company.

The outstanding value of Synchro-Mesh is the ability to shift silently and quickly from first to second, second to high, or from high back to second. This is a tremendous advantage in driving up or down a steep hill, in traffic or on slippery pavements when it is often desirable to shift from high to second without a fraction of delay so as to use the engine for additional braking effort. In slowing down the car in this manner the speed of the rear wheels is retarded equally as a result of the action of the differential which transmits either driving force or braking effort from the engine to the wheels equally. Braking power applied in this manner reduces the tendency to skid as well as adds greatly to the braking efficiency of the motor car.

The mechanical design of Buick's Synchro-Mesh transmission is a device which causes two gears about to mesh to revolve at the same speed. This effect is obtained with two clutches. As the gear shift lever is moved from neutral it acts on one or other of these clutches, causing the clutch to synchronize the two gears about to mesh. The gears are synchronized so quickly that with no pause in the motion of shifting, the final movement is made while the gears are revolving at exactly the same speed. As a result, the teeth interlock quickly, easily and silently."

### HARD TIMES AID FOREIGN LEGION

MARSEILLES, France, June 27.—(AP)—The French Foreign Legion has been a beneficiary of the economic slump.

Not only have recruits been so numerous that the officers were able to pick and choose at will but the standard has been the highest ever known.

Though the legion asks no questions which might embarrass the volunteer it is believed that Germans, who once were most numerous in the ranks of the first two companies, have now been replaced by Anglo-Saxons.

**Snake Charmer Cop**  
MONTEREY PARK, Cal., June 27.—(AP)—John Ostoch, police captain and motorcycle officer, gave townspeople a few uneasy moments when he rode down the main street with a five-foot snake coiled around his neck. Ostoch explained that he had been called by a woman to come quickly and protect her from a big snake. He found the snake was harmless and conveyed it in the easiest manner to the hills and released it.

**Old Relics Found**  
PHILADELPHIA, June 27.—(AP)—Discovery of an old well and relics believed to date back to the time of William Penn resulted recently when excavations were made near the site of the former Penn house in the center of the old city. Among the relics were an old copper kettle, bits of china and some iridescent glass with a bottle of the same material.

### Norma Sheaver Star of Craterian Film



Norma Sheaver, exquisite in her chiseled beauty, shines dramatically in "A Free Soul," which is the feature now playing a four-day engagement at the Fox Craterian

Adela Rogers St. John's novel, "A Free Soul," which became a play and is now on the screen, furnished the plot, a plot that has many strands woven into its central theme, the bringing up of a girl.

Lois Barrymore shows what fine acting he can do for the screen and Leslie Howard and Clark Gable do admirable things as Dwight and Ace.

### PACIFIC AIRPORTS SHOW BIG INCREASE IN PAST FOUR YEARS

The Pacific west pilot can pretty well pick and choose when it comes to finding a place to set down his plane nowadays, with some 475 airports bidding for his favor. In 1927 the most that Pacific coast states could boast of in the matter of flying fields was about 125, and airplanes were more or less fledglings in the field of commerce.

A new directory of airports, published by Standard Oil Company of California and now being distributed to licensed pilots, gives the above figures as the result of the company's airport directory surveys during the past four years.

Comparison of facts in aviation's national progress reveals that in 1927 few aviators had lighting facilities or suitable service accommodations, and ground conditions depended more or less on the weather. There were only about 900 airplanes in use then, while in 1930 the number totaled over 6000, many of giant size that require solid paved surface for landing and the most complete facilities for upkeep. During the same period the number of airplane passengers increased 700 percent.—285,000 in 1927, 2,000,000 in 1930. During the past two years the Standard Oil planes alone took aloft 25,000 people, many of them thus experiencing air travel for the first time. The company's six giant beacons are familiar sky-way night signs along the route from Seattle to San Diego, and can be seen by fliers for 150 miles.

**College Girls Ride Bikes**  
GRINNELL, Iowa, June 27.—(UP)—Bicycle riding and roller skating have been added to the list of athletic activities for women at Grinnell college. A recreation department has been added to the Grinnell Woman's Athletic association and the department has supervision of the new activities. White trousers and blouses are standard equipment for the girls.

**Rotarians to Boost Cheese**  
MADISON, Wis., June 27.—(UP)—Rotary clubs of the 13th district have been asked to encourage use of Wisconsin cheese by including it on menus at their weekly luncheon meetings. Such a campaign may start hotels and restaurants in the state serving a piece of cheese with all pie orders and may increase consumption by 2,000,000 pounds, the district governor stated.

### HEIRESS, SEIZE THIS POOR KING!

BUDAPEST, June 27.—Prince Aladar Porcia of Ortenburg, who says he holds the right of succession to the thrones of Austria and Hungary, has advertised for a wife with \$400,000.

The announcement appeared in the papers of this capital, and aspirants to the honor of financing his claims were told to call at a cottage in a suburban town.

There the prince himself, 64 years old, answered a knock on the door.

He said he needed money for living expenses as well as for suits which he proposes to file against Hungary and Austria. He recently divorced his second wife.

**"Let's Go Native" Isis Feature Today**

"Let's Go Native," the mad and merry melange of fun, frivolity and music which comes to the Isis theatre today, presents what is believed to be the most imposing aggregation of Hollywood's younger comedy and music celebrities.

Jeanette MacDonald and James Hall play the romantic leads. Jack Oakie and Skeets Gallagher provide much of the fun as a wayward taxi driver and a tropical island king respectively.

**George O'Brien Is Starring at State**

Motion picture cameras have gone into many strange places to provide entertainment for talkie audiences, but they have been in few stranger spots than those used in making "The Seas Beneath," the gripping movietone of submarine warfare that opens today at the State theatre. George O'Brien and Marion Lessing have the feature roles.

**Pastor Offers Sleep Prize**  
FOND DU LAC, Wis., June 27.—(UP)—Confidence in his ability to interest his congregation prompted the Rev. William A. Frazier of the Plymouth Congregational church here to announce that a reward of \$5 would be paid to any person who could sleep in the church during any of a series of summer sermons.

**Largest European Building**  
BERLIN, June 27.—(UP)—The largest office building in Berlin, and claimed to be the largest on the continent has 11 stories. It

### ACTRESS WED TO YOUNG BROKER



Mary Nolan, who at various times in her motion picture career has been known as Imogene Wilson and Mary Robertson, is shown with her husband, Wallace T. Macrery, Jr., 23-year-old New York broker, after their wedding ceremony in Brooklyn.

### PLAN HUGE DAM FOR WATER FOR PANAMA FOLKS

DENVER, Colo., June 27.—(UP) Plans are being drawn in the office of the United States reclamation service in Denver for a \$15,000,000 dam to be constructed across the Chagres river in Panama.

The plans are practically complete, according to E. S. Randolph, designing engineer in charge, and the government is expected to call for bids on the project some time between July 1 and July 10.

The bids are to be opened about September 1 in the Panama canal office in the Munitions building in Washington.

The purpose of the proposed dam is three-fold to provide for an anticipated increase in water demand due to normal growth in traffic through the Panama canal, provide additional hydro-electric power and to control floods on the Chagres river.

Construction of such a dam, Randolph said, has been contemplated for about 35 years. The old French canal company saw that if a canal using the lock system were to be built across Panama it would be necessary to create a supplementary water supply in addition to the regular lake to operate the locks.

Gatun lake, which forms the present water supply, was also formed by damming the Chagres river.

Hadden dam, which has been designated as the name for the new project, will be located near

### "Sinners' Holiday" Now at Holly



Unusual and thrilling is "Sinners' Holiday," the production in which Grant Withers, Evelyn Knapp and an unusually fine cast will be seen at the Holly theatre today and tomorrow.

This cross section of Coney Island life gives an insight into the ways of folks of the amusement world, from a most unique angle. The cast includes James Cagney and Joan Blondell.

A well selected program of short subjects will be shown with the feature picture.

The village of Alhauela and will be the largest single project undertaken by the government in Panama since the completion of the canal.

The dam is to be 27,000 feet long, 220 feet high, and have a top width of 20 feet. The lake created by the barrier will store 22,000,000 feet of water, or 500,000 acre feet. It will take from three to four years to complete.

### JUVENILE CRIME LAID TO END OF OLD CORRECTIVE

WASHINGTON, June 27.—(UP)—An analysis of the causes of juvenile crime listing six factors has been made here by the Prisoners' Relief society, a philanthropic reform association.

The society listed improper home training as the first reason for youthful crime, and said no great relief can be expected in that sector until the public ceases criticism of old-time corrective methods and its amateur attempts at child psychology. Juvenile courts and reform schools were listed as the second factor in youthful crime. The society cited juvenile use of automobiles, newspaper detail of crime reports, modern methods of charity administration, both public and private, and idleness.

While the reform society made no attempt to place a greater blame on any one factor than on the others, it suggested constructive reforms to alleviate existing conditions, including reforms in juvenile courts and corrective schools.

**Esperanto Club Formed**  
NASHVILLE, Tenn., June 27.—(UP)—The Nashville Esperanto club has been formed here, and its members are working industriously toward the day when they will be conversing with people throughout the world in a common tongue. They are hoping to get a regular Esperanto teacher soon.



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