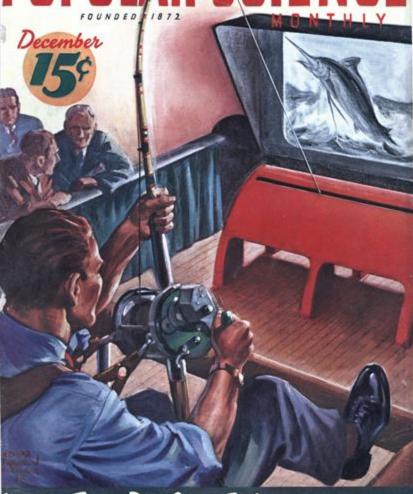
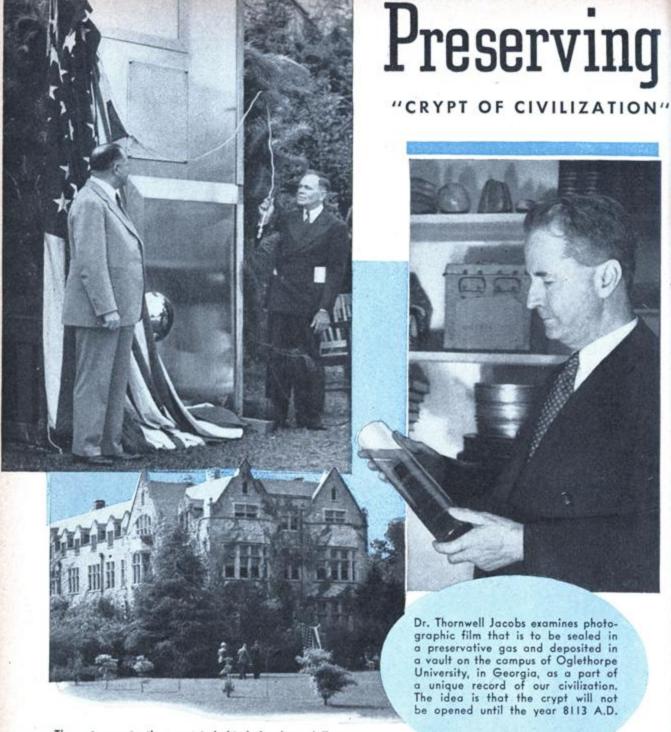
POPULAR SCIENCE



Movies Train Big-Game Fishermen · PAGE 132



The entrance to the crypt is behind the draped flag on the building. It is seen close-up in the picture above

by the ancient people of the twentieth century have long since crumbled to dust. Of the airplanes and automobiles in which they traveled, not a rusted scrap remains. Their perishable tools, utensils, books, magazines, and newspapers have vanished completely. What learning they possessed is but dimly known. But where Oglethorpe University once stood, in what was Atlanta, Ga., a band of archæologists has just un-

earthed a door of stainless steel. They break it open—and find themselves in a treasure house of the past. Pictures and records, perfectly preserved through the ages, tell them in every detail the long-forgotten story of what life was like in 1938.

That is the romantic, breath-taking vision that is taking practical form at Oglethorpe University today. Into a crypt as large as an average living room, hollowed out of the granite bed rock beneath the campus and

Our History in a Tomb

WILL RE-CREATE OUR DAILY LIFE FOR PEOPLE OF 8113 A.D.

lined with walls of gleaming chromium, experts are stuffing motion-picture films, copies of present-day encyclopedias, textbooks, works of art, and models of machines that will give future historians a complete picture of their distant ancestors.

When the crypt is filled, the air in it will be replaced with inert nitrogen gas, and it will be sealed against the ravages of the ages. Graven in a plaque upon the stainless-steel door, a message will direct that the vault be opened in 8113—a date chosen because it is as far in the future as the first recorded date in history, the beginning of the Egyptian calendar, is in the past.

For the first time, points out Dr. Thornwell Jacobs, president of the university and originator of the project, the art of copying books and pictures in reduced size on movie film permits storing a vast bulk of priceless records in limited space. Duplicate "microfilm" copies of volumes for the Georgia vault are being made



A co-ed contributes the contents of her purse for the edification of future ages

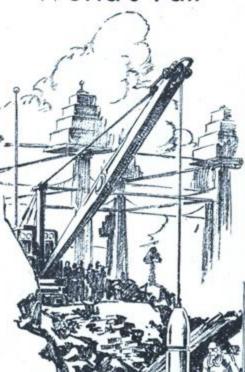


Metal photographic film and projector that may re-create present-day American life for people who will live 6,000 years from now

At the left, T. K. Peters, director of archives of the university, preparing an encyclopedia on film by copying photographs of persons and scenes of our modern world









Another scheme for "canning" our civilization employs the "time capsule" seen at the left. A cylinder of timeresisting alloy, packed with microfilm records, is buried under the grounds of the New York World's Fair



the year 6939, when archæologists will unearth this record of our way of life SAWING OPEN

> OF A COPPER ALLOY HARD AS STEEL

MARK FOR

SHELL OF GLASS

OBJECTS TO BE PRESERVED

WATER-AND SHOCK-PROOF FILLING OF MASTIC

HILE preparations go forward for the Georgia crypt, a torpedoshaped "letter" addressed to posterity has just been buried fifty feet deep at the site of New York's World's Fair by Westinghouse engineers, who expect it to be rediscovered thousands of years hence. Seven feet long and weighing 800 pounds, the "time capsule" holds a cross-section of modern achievements in science and art, recorded on microfilm. It also contains the secret of hardening copper—the formula for "cupaloy," a new copperchromium-silver industrial alloy of which the receptacle itself is made. Hundreds of books are being copied on film. Here an original book is being compared with the photographic version made to go into the crypt

THE



The Rosetta stone of the future—a device that will give, in sound and pictures, a key to the English language as we speak it now

upon standard cellulose acetate film and upon tissue-thin metal film, a new invention that is believed still more durable. To prepare it, the image of the negative is etched into stainless steel, nickel, or copper by photo-engraving methods. An inlay of another metal, such as platinum, is then deposited in the etched portions. The result is an indestructible picture on metal in black upon a white background.

Five rolls of film, surrounded by inert gas, are sealed in a glass tube. Protected by a layer of asbestos, the tube in turn is placed in a seamless receptacle of stainless steel, a foot long and four inches in diameter. The receptacle itself is inclosed in a ribbed casting of extra-strong alloy, capable of resisting a crushing force of thousands of pounds. Row upon row of these receptacles will line the metal shelves of the crypt. Barring accident, their contents should be found in perfect condition after sixty centuries!

Suppose the location of the vault is for-

gotten with passing centuries? Descriptions of the deposit, engraved on metal, will be placed in all the great libraries and museums of the world, and even in such out-of-theway places as monasteries in Tibet and temples in China and India! Some one of these clews will almost inevitably be discovered.

If English is an unknown tongue by 8113, how can the records be deciphered? The first thing to meet the eye of a person entering the vault will be a movie machine of the pioneer "mutoscope" type, with the addition of a phonograph attachment. Turning a crank reveals one

3,000 metal plates, bearing, say, a picture of an apple and "APPLE" in print. Sound apparatus then pronounces the word.

Since no one knows what sort of electric current people will use in 8113 A.D., if it is available at all, a windmill generator will provide current for the electric sound-film projector.

Records to be stored away will include sound films of the voices of present-day leaders, stereoscopic photos of all the world's masterpieces of sculpture, a year-by-year history-in-pictures of the United States for the last 100 years, and the world's greatest masterpieces of poetry. Models will show every essential kind of modern tool and machine, household utensils and tableware, and great engineering feats. A complete set of costumes for men and women will be preserved in helium gas. There will be cook books, histories, science textbooks, and books of practical instruction in mechanics, engineering, and all the arts and manufactures. Two POPULAR SCIENCE handbooks are to be included. Supermen of 8113 may be chagrined to find that some of their inventions were anticipated as early as the twentieth century. Or, if world war or some natural cataclysm has made mankind revert to a barbaric state by that time, the "lost arts" preserved in the Georgia crypt might conceivably start the race back along the road to civilization.