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FRIDAY August 16, 1912

Science Has Added Years to Our Lives

By Dr. WILLIAM H. WELSCH of New York

IN THE LAST HALF CENTURY ABOUT TWELVE YEARS HAVE BEEN ADDED TO THE PERIOD OF HUMAN EXISTENCE BY THE AID OF MEDICAL SCIENCE.

The present day reduction in mortality is the sequence wholly of our CONTROL OF INFECTIOUS DISEASES. The saving thus made relates only to the period of life under fifty years. We have no such saving knowledge regarding the organic diseases of advancing years which afflict especially those who have been active in affairs and who have large responsibilities. The ideal hospital can be a workshop in that direction.

STUDIED THE BIRDS

And Louis Mouillard Pointed the Way to the Aeroplane.

THE FATHER OF AVIATION.

Pathetic Career of the Man Who Originated the Theory of the Conquest of the Air With Machines That Would Imitate the Soaring of Vultures.

The French-themselves masters of the air—call Louis Mouillard the father of aviation, although he never flew. Mouillard was a theorist. It is admitted today that his theories were sound, although he never put them into achieving form. Mouillard wrote two books, "The Empire of the Air" and "Flight With Fixed Wings." Only the first of these works appeared during his lifetime, and that had a small circulation. But he pointed the way to fly, and ten years after his death the Wright brothers, following principles he set down, proved that he had solved the problem.

Mouillard explained that to seek to fly by imitating the beating of a bird's wings was error; that, instead of trying this impossible feat, man should imitate those birds which soar with steady wings and avail themselves of air currents. If Mouillard had possessed money there is little doubt that he would have demonstrated his theory, as it has been successfully proved. The life of this remarkable man seems, on superficial view, to have been a failure. But his compatriots, recognizing his real worth, set up a monument to his memory at Heliopolis, Egypt. He died in 1897. The story of his life is pathetic.

Mouillard was the son of a dyer of Lyons. From boyhood he was fascinated by the flight of birds. He managed to buy an eagle, which he secreted in the family garret and studied with an avid interest whenever he could escape from his books or work. He watched the bird's movements, measured its wings and studied it with infinite pains. And when he had mastered the secret, with the aid of his admiring sisters, he built an aeroplane with cotton and corset bones and determined himself to fly.

Going to a hill crowned with a church, with a sheer cliff on one side, the young inventor was about to trust himself to his contrivance when the beadle rushed at him, boxed his ears, confiscated his machine and sent him home in disgrace. This was the only attempt Mouillard ever made to fly, but his studies on the subject never ceased.

He showed such aptitude at drawing that it was decided he should make his living by this talent. He won a scholarship and, going to Paris, studied under Ingres. Yet while he drew and painted his mind was always on flight. He would climb the towers of Notre Dame, watch the startled birds take flight and study their movements.

Mouillard's father died, and his artistic career suddenly closed. He went to Algeria as a colonist and made a failure in that, but the birds again were his teachers. He noted that the sea birds rose, turned and flew against the wind without a movement of their wings. He weighed the bodies of the strongest, calculated wing space and advanced in his theories toward the truth.

Castling about for a vocation, for he was poor, Mouillard secured a place to teach drawing at the Polytechnic school of Cairo. Here he had another opportunity. He would study the vultures of the desert, and almost daily he sought them inland. He finally called the vulture "the master of flight," adding: "In the perfection of the result and the simplicity of the movement their flight is so splendid that it overcomes the watcher. Every time you look at it you are amazed that none has tried to reproduce it. It is so simple, so exactly what we want. What could we ask more than that steady flight and those immense circles which

carry the bird into the heavens? They are all our desires realized." By degrees he formulated his theories of air currents. He observed that birds rose and hung motionless and moved without beating their wings. He ruminated on the air forces caused by the rising of hot air from the desert and their effect on the flight of the birds. He had solved the mystery.

Stricken with illness, Mouillard could no longer teach drawing. He managed to publish his "Empire of the Air," knowing its scientific value, and to reach Paris, where his theories were well received. The Society For Aerial Navigation made him a member, but no one was ready to advance him money for a practical demonstration of his theories.

Discouraged, Mouillard returned to Cairo, where he acted as cashier in a shop, his wife being employed in another place. They together earned but little. By degrees he finished his work on "Flight With Fixed Wings." Just before his death Chanute, the American, corresponded with Mouillard on the subject of aviation. It is said that from Chanute the knowledge gained from Mouillard passed to the Wrights. But ten years before they had conquered the air Mouillard died.—Lewie's.

Mother's Privilege.
 "Don't talk back to your pa!"
 "Aw, gee whiz, ma, you want all the fun there is in this house."—Detroit Free Press.

God abandons those who abandon themselves. George Sand.

PHILIPPINE TRADE POSSIBILITIES.

There will be American warehouses stored with American goods and ready to supply the Philippine market, held for the Philippine trade, but ready for the approaching Chinese development. It will give us a vantage point to reach and to get our share of the Chinese trade, which nothing else could possibly do. This will probably make the biggest and best market in the world, but it is not as a feeder or reacher out for the Chinese trade that the Philippine Islands can be considered. They stand on their own merits. The proposition in itself is a good one. I don't know how many hundreds of millions of tropical products are purchased and consumed in the United States. I think it is about \$360,000,000. If my memory serves me right, and we buy those products from foreign countries under the control of alien people, and they buy their manufactured goods from other countries. In other words, we are supplying the money for them to send to other peoples. We are buying their tropical products without reciprocal trade relations. I see no reason whatever why the Philippine Islands should not get that trade, for they, by reason of free trade with the United States, will buy their products in the United States and will send their money for the goods that we are receiving for their production back to us.—Governor General W. C. Forbes.

A WOMAN'S VIEW OF WOMEN'S TALK.

The most charming women in society when they are together in great numbers without men seldom say anything that is worth hearing and feel more bored than if they were alone. But with men it is not so. Their conversation is no doubt less lively when no ladies are present; but, as a usual thing, though it may be more serious, it is also more reasonable. They can do without us better than we can do without them.—Mlle. de Scudery.

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Catalogue and illustrated literature mailed free on application. Address: Registrar, Oregon Agricultural College, Corvallis, Oregon.

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Lodge and Professional Directory

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Lewah Tribe No. 48, Imp. O. R. M.

MEETS First and Third Tuesdays of each month at 8th run at the Bandon Wigwam. Sojourning Chiefs in good standing are cordially invited to attend.
 A. J. Hartman, J. C. Shields, C. of R. Sachment.

W. O. W.

Keep the logs rolling boys!
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 H. E. Boak, Secretary

Masonic.

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 W. E. Craine, W. M.
 Phil Pearson, Secretary

Eastern Star

OCCIDENTAL CHAPTER, No. 45, O. E. S., meets Saturday evening before and after stated communication of Masonic Lodge. Visiting members cordially invited to attend.
 Louise M. Boyle, W. M.
 Merta Mehl, Secretary.

I. O. O. F.

BANDON LODGE, No. 133, I. O. O. F. meets every Wednesday evening. Visiting brothers in good standing cordially invited.
 A. Knapp, N. G.
 Harry Armstrong, Sec.

Knights of Pythias

DELPHI LODGE, No. 64, Knights of Pythias. Meets every Monday evening at Knights hall. Visiting knights invited to attend.
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