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### NOTED SCIENTIST ON POWER SOURCE

#### VIENNESE PROF. LECTURES

**Dr. Arthur Haas Attempts to Explain Where All Power Comes From In Lecture at Northwestern**

In a brilliant attempt to reveal, and mathematically to demonstrate, the source of all power, to explain in words and numerals the secrets of the universe, in which the discoveries of brother scientists already have paved the way possibly to exact conclusions, Dr. Arthur Haas, professor of theoretical physics at the University of Vienna, delivered two lectures at Northwestern university recently.

His theory in simple words is that probably universal power — the energy and masses of the solar system, for instance — reproduces new masses and that these new masses re-create new power, a never-ending cycle of power and energy. Dr. Haas in his lecture in the morning on the atom went so far as to prove by higher mathematics that his theory is something more than an assumption. In the evening in Harris Hall, the distinguished scientist went further and translated his thoughts into new realms.

#### Talks of Sun

He illustrated his theory of the eternal life of the universes by speaking in scientific terms of our sun. While admitting that our sun must have lost some of its mass, he said it could be mathematically demonstrated that since the days of the early Egyptians, the sun had lost no more than one per cent of a millionth part of its mass and energy. The same principle he urged for the solar system, saying that most of the stars are comparatively small suns. The sun, however, loses every second of time enough power and heat to perform miracles on earth, where it is possible to transmute this power into direct channels.

If the power in a gram of matter could be liberated, Dr. Haas stated, it would be sufficient to lift all of the buildings on Northwestern university campus as high as the tower of the Ward Memorial building on McKinlock campus, to heat all of the homes in Chicago and to do equally marvelous things. This same bit of matter, as large as an ordinary pea, if it could be liberated scientifically, would have the power to propel all of our ocean steamers across the Atlantic ocean.

#### Speaks English

Dr. Haas, although a scholar in Germany and Austria all his life, with but infrequent trips to London or other centers where English is spoken, speaks English himself, with a decided accent, yet with amazing dexterity. His mathematical illustrations on the blackboard in the physics class-room were only in higher mathematics and seemed to puzzle some of the best calculators in his audience.

#### Not All Radium

Regarding the constituents making up the sun and stars, Dr. Haas hazarded the opinion that it can be proved that the sun does not consist entirely of radium, as radium in the course of 1,500 years loses one half of its mass and the sun, of course, has not done so. Neither could it consist of uranium as that mineral could not produce the energy such as the sun produces and live as long as the sun has lived. He rather liked the view that the Einstein theory was a step on the way to a discovery of this secret and that the sun by its existence over so many millions of years and its very slight loss of power must be constituted of and by itself in the way mentioned — that units of matter and light are never lost but re-create themselves through

a collision or merging of forces. Thus the sun and the solar system while losing power can never be annihilated and all matter, though transmuted, cannot be lost.

While visiting Northwestern university, Dr. Haas was the house guest of Prof. Henry Crew, Fayerweather professor of physics at the university, at 620 Library pl.

### ODD FACTS ABOUT ANIMALS RELATED

**Material for Amusement Seen in Interesting Notes by Zoo Director**

Material for an evening amusement at the new popular pastime of questions and answers is provided by Dr. W. R. Blair, director of the New York Zoo, in an article published by Farm and Fireside.

The giraffe, says Dr. Blair, is the only mammal which has no voice.

The penguin, he adds, is one bird that never builds nests. The egg is carried on top of the webbed foot of the mother bird and warmed with a roll of body fat. When the female wants a rest, her mate sidles up close and with a neat move the egg is passed over to his foot for him to keep warm.

Feeding the anteaters in the New York Zoo might be expected to present a peculiar problem. To supply enough ants would be impossible. So a substitute is prepared daily—a mixture of eggs and raw meat ground up together.

But you can't fool birds. There are several varieties of birds which require a diet of grasshoppers, flies and ants, and for them Dr. Blair imports from equatorial Africa large quantities of dried insects.

Kartoom, the largest elephant in the New York Zoo, is still growing and will soon be taller than Barnum's Jumbo, the biggest elephant ever seen in America. Jumbo was 10 feet 9 inches high. Kartoom is now 10 feet 4 1/2 inches. He was only four feet tall when he arrived 20 years ago. He now weighs 7500 pounds.

The common belief that snakes will eat only live animals is untrue. No snake in the New York Zoo gets anything alive. Most of the big snakes eat only once in three weeks.

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### ESSAY CONTEST ON CROSSING DANGERS

#### PRIZES TO BE AWARDED

**Railway Association to Give Rewards to Students For Best Compositions on This Subject**

The capital city of America is the mecca of more than a million tourists and sightseers every year. More Americans visit Washington than flock to any other single "spectacle" in the country.

A travel chart, showing how to make the most of a three-days' visit to Washington, is a unique feature of the April issue of the *Woman's Home Companion*, which sent an experienced world-traveler over the ground, and instructed him to write down his itinerary just as he might describe a visit to Paris on Vienna or Shanghai.

#### Without a Guide

"Washington can be seen without a guide," he comments, "but it cannot be seen adequately in three days without assistance of some sort. The sight-seeing car is the cheapest and best way. The one I took starts from Pennsylvania avenue, and the first morning was devoted to a ride about the city without any effort to go inside the buildings. In less than two hours I saw everything from Ford's theater, where Lincoln was shot, to the least important home of the least important congressman."

If Mussolini were running things in the District of Columbia he would decree that all visitors should land by airplane on the top of the Washington Monument. For it is only from such a height that the jeweled beauty of the city's design can be fully appreciated.

#### Pennsylvania Avenue

The broad thoroughfare known as Pennsylvania avenue, which Jefferson called the Appian Way of America,

is the axis on which the city turns. At one end is the White House, at the other end is the Capitol. From the Capitol broad avenues stretch off in a monster star-like figure which gives to the city its distinctive charm among all the great cities of the world.

"The unforgettable Washington is not social," comments the world traveler. "It is not even architectural. It is not governmental. It is something which brings an unforgettable feeling into the American heart because it is so unforgettably American."

### REVERSED MILK NEW PRODUCT DESCRIBED

**It Is Milk Made Backward by New Process; Not Competing with Real**

The Merrell-Soule company makes what is known as "klim." That signifies reversed milk, as klim is the word milk spelled backward. And likewise it is milk made backward. Sweet butter, or butterfat and water, properly mixed, becomes milk. It is interesting to see these two compositions emptied into a machine. The wheels start going around and the stream that comes out of the spout end is a conversion of butterfat and water, by a system of regulated currents of heated air and other processes. The net result is machine-made milk.

Of course the Merrell-Soule company does not sell milk. It sells "klim," which is convertible into milk. The concern recently sued the Northland Dairy company for infringements of its patents, and it has lost its case in the Supreme court. The defendants claimed that the spraying of milk in a desiccating chamber was an old practice, and on that point it won. History shows that the chemists and the scientists have been taking of milk in a desiccating chamber again for so long a time that milk powder and unscrumbled milk is not very new.



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