

THEORY ON SHRINKAGE OF UNIVERSE TOLD

HOWARD W. BLAKESLEE, Editor of the Press-Scimitar, says that the Hebrew University, today gives in evidence of the whole universe is shrinking, everything in it, including even measurable units of energy.

It is as startling as Einstein's discovery of the curvature of space and somewhat analogous to what he offered the world his general theory of relativity. Dr. H. P. Robertson, a quiet, unassuming scientist in Jerusalem, has been working for two years of his life in Holland.

Dr. Robertson is scarcely known in America, but the American Scientific Journal in accepting his article, has considered both its worthiness



"GREEN LIGHT," starring Margaret Lindsay, Errol Flynn and Anita Louise, opens at the Rex theatre Sunday.

and Sambar's standing among scientists who know him. His evidence of shrinkage comes from recent discoveries made with the world's largest telescope at Mt. Wilson, California. This telescope

shows that apparently the nebulae, which are island universes of stars, way out at the edge of visibility, are all rushing away from the earth. Their apparent speeds run up to 25,000 miles a second. For several years this was discussed as possible meaning that the whole universe is expanding at explosive speed.

But about a year ago Dr. Edwin Hubble, one of the observers with the big telescope, reported at Oxford, England, discovery of a puzzle in the expansion. The slightly reddish colored light of these nebulae failed to substantiate fully the expansion theory.

Dr. Hubble said it might be necessary to discover a new principle of nature to explain what the big telescope saw.

Dr. Sambar's offers the new principle today.

Under the expanding theory the light of these distant nebulae would be red if they were going away. But Dr. Sambar's points out that the same thing would be seen in the telescope provided everything between here and these distant nebulae is slowly, uniformly shrinking.

He shows this by using mathematics, substituting the shrinkage as a factor in calculations already previously used to prove the expansion idea.

Several things are shrinking he says. These include the "universal" lengths of atomic physics. One of these lengths is the radius of the electron, smallest known particle of matter.

Another is the unit of energy. The measuring rod for this unit is known as "H," a tiny fraction, which can be written as .034 over 10 followed by 24 eighths.

This "H" was discovered by Dr. Max Planck. Nobody knows just why it is true, but even industrial science has proved the existence of "H."

Dr. Sambar's shows mathematically that if "H" is shrinking, as he thinks, along with the dimensions of the fundamental particles of matter, the puzzle of the distant nebulae can be explained.

If this universal shrinkage is true he says it can be proven. One way is to measure the wave length of a ray of light now, and again at the same point 300 years from now. He suggests as a test the red light given off by Cadmium. The length is about one twenty-five-thousandth of an inch.

In 300 years, Dr. Sambar's says, that length would decrease by one unit of its third decimal. For time being, he added, this test can't be counted upon.

The shrinkage of everything as pictured has no effect on man. But it has one interesting point. It is, says Dr. Sambar's, a new way of "distinguishing the future from the past," because the shrunken parts of the universe are the latest.

Human senses do not need this new method for anything yet discovered. But scientists have speculated that somewhere in the unknown parts of the universe the "arrow of time" may point in a different direction than here on earth.

Somewhere, that is, things may be growing younger. If instruments find such a place, Dr. Sambar's test, provided it is verified, would reveal time which had reversed.

Finally Dr. Sambar's shows that his new shrinking "H" explains the puzzle of gravitation in a new way. This explanation of gravitation he promises to publish more fully in a separate paper.

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Rodeo Cowboys Go On Strike—But Shows Keep Going

TRINIDAD, Colo., Aug. 20.—(AP)—Rodeo cowboys joined the ranks of strikers today.

And while the affair wasn't so scheduled, it took some aspects of a "sit down."

The rop hands, members of the newly formed Cowboys' Trade Association, refused to compete in the Kit Carson roundup, due to an argument with officials over rules.

Officials said they refused to make changes requested.

As a result, when the rodeo got under way, the association members perched atop coral fences as spectators.

Other cowboys, not members of the association, carried on the program as scheduled.

DAN FLOOD—Willamette Park St. Nite. He looked by popular demand.

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One for Percolator—another one for Drip or Glass Maker.

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SOAP P & G 10 Bars	29c
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Diamond Crystal SALT Plain or Iodized Ea.	5c
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POST TOASTIES 3 Packages ...	17c
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MATCHES 6 Box Carton	17c Ea.

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BAKERY SPECIALS	FRUITS and VEGETABLES
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