

# SAYS LIGHT IS DEFLECTED AND BENI BY GRAV

### (New York Sun)

confused for a time and they will be will thus see his own back." found much farther removed from the earth than has previously been calculated, leading scientists agree.

others believe that the displacement of tist. Newton's theory that light moves in But the law made it possible to expractical life.

#### Says Rays Bent

Discussion of the subject is widspread in view of the results obtained by British observers of the total solar clipse of May 29.

showed that the extent of deflection taken at that time and when the next was in close accord with the theoret ical degree predicted by Einstein as opposed to half that degree.

The only knowledge we have of the actual cize of the stellar universe is based on the few measured distances that have been established by estimations made in connection with the theory that light travels in straight lines, says Prof. Hatold Jacoby, Columbia University astronomical expert And if there are curves in these lines, as Einstein had predicted, these observations will have to be recalculated.

"Probably this will mean that there is no limit to space but only to the distance our telescopes cam penetrate, says Prof. Jacoby. "The telescope be

ing the astronomer's eye, he may be (New York Sun) ing the astronomer's eye, he may be their health. Is it any wonder If the newly advanced theory of Dr. looking along a curve like a circle and that they become irritable and Alfred Einstein Swiss scientist is if the instrument can be made power- vous, have hot flushes, faint and dizzy found to be true, and if light is de- ful enough the observer may be able flected and bent by gravitation, the to look all the way around the comtrue position of stellar bodies will be plete circumferesce of the circle and

## Newton's Theory Basis

Newton left the world with the the ory that every particle of matter at-But each scientist has a slightly dif- tracts some other particle, but a mist ferent theory to advance in discussing has always surrounded the belief, for the effect of the new discovery as pre- no one could explain just how parsented by the Swiss astronomer, ticles millions of miles distant could trembling. I had hot flushes and faint While some declare the new law, if be drawn by those from which they ing spells. When I was on my second proved true, can have no effect upon are so widely separated and how the the average man and is of intense transmission can take place instaninterest only to the scientific world, taneously, says the Columbia scien

straight lines must have an effect on plain the motions of orbits and other heavenly bodies in the area of the

sky. And the prediction of these motions for the future has made it possible to compile nautical information for the use of surveyors and mariners. The photographs were made during

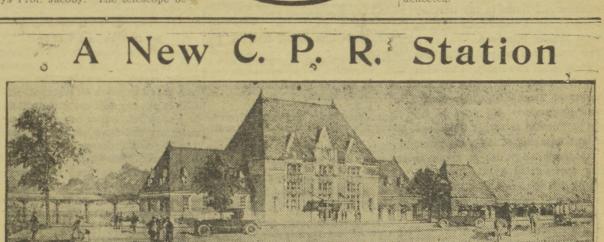
an eclipse asd the perfectics of photo-It is generally accepted that the graphic instruments made it possible observations were decisive in verify- to reproduce the brighter stars which ing the predictions of Einstein. The ob previously could not be photographed servers dscovered that light deflection durisg an eclipse, said Prof. Jacoby did take place and the measurements What is called the star circle was

season changed these stars, bringing them above the horizon at night in stead of in the daytime, photographs taken again showed them to be a little smaller than during the day whes the eclipse occurred

#### Looking in Circle

"This discovery upheld Einstein in his prediction for the only way in which the circle could be made larger would be because the sun must bend the rays of light as they pass near it on their way to earth," concludes the astronomer. "The photographs made at night showed the stars unaffected by the sun and their rays came

"Although Newton believed in the gravitational theory, light has never been considered as having any material qualities in it which would be affacted by the sun's Newtonian gravitation. Einstein's theory destroys this belief, replacing it by the assumption that light passing close to the sun is deflected.



THE PI

## PAGE THREE

## ONE GREAT ESSENTIAL TO A WOMAN'S HEALTH IS HER NERVES

Nature intended women to be strong healthy and happy as the day is long, interest of being sick and wretched. how can any woman be healthy happy when the whole nervous em is unstrung. The trouble is

they pay more attention to their so rial and household duties than they d spells, smothering and sinking spells become weak and nervous, and every thing in life becomes dark and gloomy Milburn's Heart and Nerve Pills are the very remedy that nervous. out, weary women need

em to the blessings of good health Mrs. P. H. Ryan, Sand Point, N.S. writes:—"I have been a great sufferer from nerve troubles. I was so weak and nervous I could not sleep at night, and my appetite was very poor. I could not walk across the floor without box of Milburn's Heart and Nerve Pills began to feel better and kept on until had used six boxes when I felt like a different person. I am never without them in the house and recommend them to all who suffer with

Price 50c. a box at all dealers or mailed direct on receipt of price by The T. Milburn Co., Limited, Toronto,

## IMMIGRANTS SHOULD LEARN **TWO LANGUAGES**

SEALED TIGHT

## (Ottawa-Journal-Press)

Rev. best be promoted by encouraging the household help. acquisition by both French and Eng-

London, Nov. 20-The first party of Dr. Love, of St. Andrew's 25 women immigrasts for Canada un-Church, Quebec, undoubtedly spoke der the direction of as overseas comthe truth at the Presbyterias Synod mittee have sailed on the Metagama va Scotia, has recently been appointed the other day when he declared that a better understanding between the from Liverpool. They are mostly de-the postly de-the postly of Game Officer in charge two dominant races in Canada could mobilized war workers going out as of the administration of the Migratory

Made in

Canada

language. A better understanding must than among those who do not. And it come from greater mutual knowledge, is a reflection on the English-speaking migratory game birds are limited to a of life and aims of the two peoples, people of Canada that the percentage and that knowledge must come from who have acquired the French lan- birds, other than game birds, are proeasier intercourse through the me- guage is much smaller than the per- tected throughout the year. In additdium of the spoken and written word. centage of French-Canadians who ion, many of the species of shore There is generally far less ill-feeling have learned English. It would be well, birds and the eider ducks are protectand far greater mutual respect asd ad- as Dr. Love urges, if greater effort ed throughout the year. miratios amosg those of the two races were made to have the school children who understand each other's language learn both languages as far as possible birds in their possession is liable to



The Prince Standisg in Auto Waving to Crowds at Niagara, Ontario.

**TO ADMINISTER** HAVE SAILED THE MIGRATORY **BIRDS ACT** 

KEPT RIGHT

Mr. R. W. Tufts, of Wolfville, No the position of Game Officer in charge Birds Convention Act in the Maritime Provinces.

Under this act the open seasons for and insectivorous birds and many

a heavy penalty and any equipment used in capturing them illegally may be confiscated.

As Mr. Tufts will be supported by an able staff of deputy officers, any person who goes afield with a gun should be sure of the provisions of this federal law.

The Migratory Birds Convention Act is administered for all Canada by the Dominion Parks Branch of the Department of the Interior, and further information may be obtained by addressing the Commissioner of that branch at Ottawa.

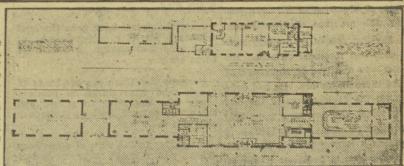
CASTORIA For Infants and Children In Use For Over 30 Years Always bears the Bignature of hat H. Flitchers

## Three Rivers Station as It Will Appear When Completed.

×.

The City of Three Rivers, Province The City of Three Rivers, Province of Quebec, will soon be graced by a new station, more modern and better suited to the requirements of the traffic which has been steadily in-creasing in this progressive metro-polis of the St. Maurice region. Such is the announcement of the Canadian Pacific authorities, and one may rest assured that their decision to replace the present structure by another more in harmony with the import ance that this industrial centre takes to-day will not fail to satisfy the Three Rivers population, which for some time has been anxious to see this company undertake the works

<text><text><text><text><text><text><text><text><text><text>



Above is a diagram of the floor space of the old Station, and below a diagram of the floor space of the new building.