

Photograph Slars in Investigation of Light Rays.

Expeditions Will Go to Australia to Make Astronomical Observations When Sun Goes Into Total Eclipse.

Papeete, Tahiti.-Preliminary observations were made here in April and May by Dr. Robert Trumpler, assistant director of the Lick observatory on Mount Hamilton, California, in preparation for final astronomical observations in northern Australia to prove or disprove the part of Einstein's theory of relativity which has to do with the composition and characteristics of light.

Various astronomical expeditions will gather on the northern coast of Australia September 21 to take their observations when the sun goes into total eclipse that day. Doctor Trumpler's work here has been to photograph, on a large scale, the stars in that part of the heavens where the sun will be on September 21. On the day of the eclipse, when the sun is totally obscured and the stars are visible, similar photographs will be taken on the same scale.

Einstein's Contention is that light is not, as scientists hitherto have held, the very rapid vibrations of the allpervading ether, but is made up of electrons and therefore is a form of matter. If light is matter in any form, it will be subject to the law of gravitation, and it is to establish or disprove this point that the observations are being made here and in Australia.

If Einstein's theory of light is well founded, according to Doctor Trumpler, the rays of light from a star in that quarter of the heavens passing by so large a mass as the sun will be deflected by the force of the sun's gravitation and the star in question will appear on the photographic plate at a place slightly removed from its true position in a direction away from the sun's disk.

CHURCH FOR YOUNG PERSONS

Indianapolis Minister Successful I Operation of Branch for the Boys and Girls.

A jusior church, the membership of which is limited to persons between six and sixteen years old, with the preacher the only adult present, is being successfully operated in Indianapolis. The plan was inaugurated by Rev. N. S. Sichterman of Grace Presbyterian church, that city.

According to Doctor Sichterman, SPREAD AMERICAN CULTURE there are 60 children ranging in age from six to sixteen years who are members of the junior organization. They have their own room for services, which are of 30 minutes' duration, and have their own officers. 'The plan was put into operation in January and Doctor Sichterman is so pleased with the results that he expects soon to double the membership.

Doctor Sichterman said the idea of forming a junior church developed from his experience in church while a

"My people came from Holland and settled in a neighborhood of Hollanders in a small Michigan town," he said. "The church I attended as a boy also used the Dutch language and the sermons sometimes lasted two hours or more. I well remember how tired and restless I would get as the time dragged on, for the sermon, while appealing to adults, was not such as would appeal to the child.

"It was this experience which gave birth to the junior church idea, and last January I started the organization."

CAN GROW NEW TUSK IN YEAR

Discovery is Made That the Walrus May Prolong World's Vanishing Supply of Ivory.

A remarkable discovery at the seal rookeries on Pribilof islands may prolong the world's vanishing ivory supply.

Last summer an obnoxious bull walrus was mauled by government seal keepers, and in the fight one of its long tusks was broken off. This spring the same recalcitrant mammal returned, and to the surprise of both natives and attendants the tusk had grown out five inches, the end still showing the ragged edge of the break. It is now believed that an annual crop of this excellent ivory can be harvested by cutting off one-half of one tusk each year from the bull walrus. The one left intact is used by the mammal in digging clams and sea food. In a year the stub would have grown out enough to serve as a pickax, so the other tusk could be sacrificed for the fancles of man. Walrus ivory is in great demand in China and Japan, where it is utilized for small carvings.

Graphite and Siberla.



Suggested by Dr. Stepanek as **Promoting World**

Peace.

World Union of Engineers Also Advocated in Line With Marconi's Suggestion of Promoting Peace Through Science.

Washington .- Establishment in cenral Europe of a great American university and library is urged by Dr. B. Stepanek, minister to the United States from Czechoslovakia, who, to advance international peace, calls upon the engineers of this and other countries for united participation in world affairs. Doctor Stepanek makes an appeal for the formation of a world federation of engineers, and for an international engineering conference to deal constructively with the problems of civilization.

Doctor Stepanek's views, made public by the American Society of Mechanical Engineers, which, through its official journal, stresses the need of engineering solidarity among the leading nations, are regarded by engineers as a significant diplomatic utterance supporting the efforts now being made in America, Great Britian, France and Italy to bring about closer relations among engineers.

Closer Relations Among Engineers. Award of the John Fritz medal to Senator Guglielmo Marconi has aroused fresh interest in the idea of a world union of engineers. Marconi's expressed 'hope of promoting peace through science coincides, it was said. with action to devise a working plan of international co-operation between the engineers of America and Italy. John W. Lieb, vice president of the New York Edison company, has reported, after a trip to Italy, that Italian engineers are ready to form such an alliance. Herbert Hoover, Prof. Comfort A. Adams of Harvard university, Eugene Schneider of Paris and Sir Robert A. Hadfield of London are others who favored advancement of world peace through the united action of men of science. Actively backing the project also are the presidents of the American Society of Civil Engineers, American Institute of Mining and Metallurgical Engineers, American Institute of Electrical Engineers and the Federated American Engineering Societles.

Alfred D. Flinn, secretary of the engineering foundation and chairman of the engineering division of the National Research council, indorses Doc-

early date there' should be' an international conference of engineers. rather than of politicians and states. men, bound by tradition and self-seeking nationalism-a conference of constructively minded men, who could take fresh views of the world's condition, deal scientifically with fundamental causes and suggest impartial, far-sighted plans for continuing prog-

Mr. Flinn advocated a joint convention of the great national engineering societies in Europe in the summer of 1923 to meet the engineers of all the countries of Europe for discussion of such of the world problems as may be the most vulnerable to engineering attack.

For an American University. In appealing for the establishment of an American university in central Europe, Minister Stepanek said that it would constitute a center from which could be given out the best products of American culture, a source of correct information about America and American ideas. Through a world alliance of engineers, the minister thought, a constructive type of mind could be brought more effectively into the service of the nations.

Professor Adams predicted that artificial distinctions between nations would be removed by engineering science. Removal of the barrier of distance, he said, is bringing nations so close together, and making them so interdependent, that intelligent co-operation will make war impossible. Racial and national antagonism, Professor Adams asserted, will give way to the progress of engineering science.

NOT SO MANY DEAF AND DUMB

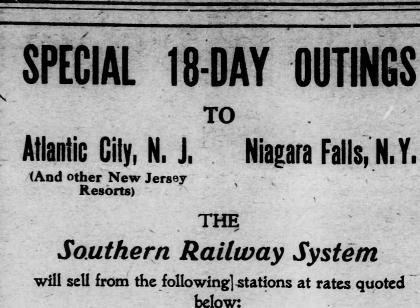
United States Census Count Shows That the Rate per 1,000,000 Population Has Decreased.

Washington. - Although the 44,885 deaf and dumb persons enumerated in the 1920 census was a slight increase above the 1910 figure, the rate per million of population decreased from 486 to 425, the census bureau announced. This decline, which also is reported in European countries, was attributed to advanced treatment for certain children's diseases which frequently cause deafness.

Rat Attacks Sleeping Baby.

Kansas City, Mo .- The screams of her six-months-old daughter, Alice, aroused Mrs. William T. Elledge shortly after one o'clock in the morning. Rushing to the child's bed, she found a large gray rat clinging to the baby's right foot. Mrs. Elledge shook the rat loose. With the child in their arms, Mr. and Mrs. Elledge ran to a hospital. Emergency treatment was administered.

The Mount Everest explorers have reached the highest altitude ever



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Asheville	Asheville
	Brevard
	Flat Rock
	Hendersonville
	Lake Toxaway
	*Salada
*Tryon 24.30	*Tryon
Waynesville	Waynesville

*Applies via Spartanburg.

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Via Pennsylvania Railroad : July 6 and 18. August 1, 15 and 29.

Stop-overs permitted on return trip, not to exceed 10 days; within final limit of ticket:

NIAGARA FALLS—DATES OF SALE

Via Pennsylvania Railroad : July 5 and 19. August 2, 16 and 30.

Stopovers permitted on refurn trip, not to exceed 10 days, within final limit of ticket:

Via Pennsylvania Railroad, Buffalo, N. Y.; Philadelphia, Pa.; Harrisburg, Pa.; Washington, D. C.

These tickets will be good on trains 12 or 16 out of Asheville only on dates shown above, and out of Washington only on dates following.

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For further information as to rates from stations not named above, apply to your local ticket agent, or address :

> J. H. WOOD. Division Passenger Agent, Asheville, N. C.



THE BREVARD NEWS, BREVARD, NORTH CAROLINA

FRIDAY, AUGUST 18, 1922.

WORK BUYS FIRST NEW STAMP



Postmaster General Work purchasing the first of the new special delivery stamps at the Washington city postoffice. The old stamp issued in 1902 presented a bicycle on its face. The new one shows a motorcycle.

PASSPORT VISES EXPENSIVE

Every Central European State Mulcta Passing American \$10 a: Fronties.

Belgrade, .go-Slavia. - Collecting \$10 gold from American travelers every time a passport is vised continues to be one of the popular occupations of and looks after the little ones. The officials of the states of central Europe. Any An ican who wishes to visit one of the countries must pass the frontiers of several of the others and at each frontier the charge is \$10 a head and \$10 every time he passes. One American business man within the past three months has paid \$120 "But don't blame us, blame you. State department," said a representative of the Jugo-Slavia foreign office. "It is a matter of reciprocity with us; we charge the same fee as does the United States."

What has become of the old-fashioned man who used to worry about the Einstein theory ?

The writer who says that knickers bring a woman's feet into prominence is evidently notan.

isive del in northwestern Siberia, on the left bank of the River Kurelka, near the junction with the River Yenisei, 90 miles from the mouth of the latter river. The graphite area forms a horizontal plateau, the elevation of which varies from 20 to 50 feet above the normal level of the River Kurefka. The plateau contains two layers of graphite, which is of a solid steel-gray color, soft and of an excellent quality for the manufacture of pencils. It is believed that in the future these graphites will supply Russian demands and that large quantities will be available for export. The chief sources of graphite have been Ceylon, Bohemia, Germany, France and the United States. The annual world production has been appreximately 120,000 short tons.

Tie Modern Girl.

If the modern girl is freer than her predecessor, she is, like her brother, more self-por essed. Her range of experience and of information is wider and her desire to know greater. She has seen more of the world and heard more of it, if not directly, then by the vicarious efforts of scores of agencies. She has no doubt broken through many irrational taboos, but she is trying hard to replace them with standards more suitable to the complexities of life in this generation. And if it is put to a male vote whether she is to return to the dress, manners, temperament and mental outlook of her eighteenth or even nineteenth century ancestor, there will only be an insignificant minority to vote against her as she is .- Baltimore American.

Father Love vs. Mother's.

Among some fishes the male assumes all the care and anxiety of parenthood. And this is true of at least one or two families of birds. The male ostrich hatches the eggs greatest enemy of the eggs and young of the stickleback fish is the mother her off. She not only has no affection for them whatever, but would eat every one of them if she weren't prevented from doing so by the faver. In very few species of fish do ine females care anything for either the eggs or the young. Among fishes, therefore, the instinct to save the young is not the wonderful mother instinct found in

the human or other higher species, but the father instinct .- Detroit News.

Brought Home to Him. "What is Daubson working on now?" "A picture entitled, 'The Great American Desert." "What gave him that inspiration?"

