

The Remarkable Facial Expression of Theodore Roosevelt

THE face is the mirror of the soul, and those who make a study of the matter will find that the sentiments, the intelligence and the instincts of an individual are shown clearly by the various expressions which at different

times rest on even the most impassive countenances. Strictly speaking, there may be "no art to find the mind's construction in the face," but it may be affirmed quite as truthfully that there is no art that will conceal the thoughts that are behind our facial expressions. Physiognomy may not have arrived at the dignity of a science, but it is certain that we are all physiognomists after a fashion. It is intuitive, apparently. Long before the child is able to express himself in language he reads the faces of those in whom he is interested. He is an expert in divining accurately the sentiments of his mother or of his nurse as she is inexpressive in concealing them. All animals seem to have this instinctive faculty in some degree.



"NOW, RUN AWAY, CHILDREN."



CLINCHING A POINT.



"THAT'S A GOOD ONE!"



VERY WELL SATISFIED.



THE VERY LATEST POSE.



IN A PENSIVE MOOD.



"DEE-LIGHTED TO SEE YOU!"

SCIENTIFIC MISCELLANY.

Biologists having failed to prove any case of spontaneous generation, Prof. Svante Arrhenius is attracted by the idea that all life has had a common origin, and has spread from the single source to many worlds. The discovery of the pressure of light has added probability to panspermia, which teaches that life germs are conveyed through interstellar space. At the railway speed of 37 miles an hour, a body would occupy 150 years in going from the earth to Mars and 70,000 million years in traversing the distance to the nearest fixed star, but with the pressure of radiation as motive power the journey

might be reduced to 20 days and 9,900 years respectively. Even these seem long intervals for germs and spores to survive the dryness, cold and light. Recent investigations indicate, however, that some germs are proof against any colds that the action of light is oxidation and is absent in a vacuum, that the loss of vitality in the cold of space would be 1,000 million times less rapid than at 50 degrees Fahrenheit, and that dissociation would be no greater in millions of years than in one day at 50 degrees. Hence it may be that interstellar space is traversed at enormous speed by living germs that develop life on reaching favorable planets.

Animals born in darkness or red light are found by Dr. Oerum of the Finsen Institute at Copenhagen, to be heavier but to have only half as much blood as those born under normal conditions. Living in darkness a few weeks reduces the blood 3 per cent or more, while blue light tends to give an excess of the total amount and that in the heart.

Experiments reported to the French Physical society by M. Marage show that it is practicable to gauge the acoustic properties of any public hall, and to direct each speaker how to use the voice to the best advantage. It was found that in a hall where a regular continued sound is produced, there may be heard the primary wave from the

source; many diffuse waves returned from the walls, producing resonance; and waves regularly reflected, giving distinct echoes. The duration of the resonance sound determines whether the acoustic properties are good or bad, the satisfactory condition being where the resonance is sufficiently short to reinforce the sound that produces it without interfering with the following one. His "vowel siren" has been used by Marage in studying the resonance sound, and the natural voice has been thus replaced by a synthetic vibration whose pitch, intensity and quality can be determined exactly. Tests in six halls of Paris have brought out the conditions for making an audience understand where acoustics are defective.

For example, at the Trocadero hall, accommodating 4,500 persons in a space of 93,000 cubic meters, it is not necessary to speak louder than in a Sorbonne lecture-room of 300 cubic meters, but the orator must go very slowly, spacing his words.

V-shaped troughs from the new ice quarries in Swiss glaciers have given engineers a peculiar problem, as they have required many curves, to act as brakes and ensure the safe delivery of the ice blocks at the railroad at the foot of the mountain.



"The Paris."

MILLINERY!

OPENING ANNOUNCEMENT

Monday, Tuesday, Wednesday

An Annual Event Bringing into Prominence the Most Noteworthy Display of Millinery ever Exhibited in Salt Lake. Concentrated in this Bower of Beauty are the Gems of the Fashion Creators of Paris, London, and New York, with such a wealth of Style and Beauty that is bewildering. Artistic New Fancies are here in plenty, holding you spell-bound with the deepest admiration--the dashing, the refined, the exquisite are here, portrayed with such a richness of color combinations that a painter's palette only could yield justice to the prodigality of charming combinations that pervades this beautiful style showing of Fashions Favorite Fancies, making the scene one long to be remembered. ALL ARE INVITED TO ATTEND THIS SPRING FESTIVAL.

In Conjunction with Our Formal Spring Exhibit of Millinery, we Are Making a Captivating Display of

The Newest Costumes, Tailored Suits and Waists

