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**SCIENTIFIC AND SANITARY.**

England has just adopted the Bertillon system, of minute anthropometric measurements for the identification of criminals, in addition to Herschell's finger print system, which Mr. Francis Galton has made generally known.

Glass-houses on wheels are now employed by horticulturists for forcing plants. The structures run on fixed rails and may thus be easily moved from place to place to points where it may be desirable to protect vegetation or to force its growth.

The chief engineer of the Chicago Telephone Company says in *Electrical Engineering* that there are in this country now in daily service 600,000 telephones, with 500,000 miles of wire, over which 600,000,000 messages are annually transmitted.

It is stated that artificial rubies are made in France in large quantities. These are intended especially for bearings in watches. They are made electrically by fusing clay with barium fluoride, to which chromium salts are added to give the red color.

By order of Secretary Herbert the Naval Observatory at Washington is to be reorganized, Prof. William Harkness being placed in full charge of all the astronomical work of the institution. It is understood that the reorganization does not contemplate any change in the present working force.

Professor Roux, of Paris, at the recent Hygienic Congress at Buda-Pesth, asserted that in the Paris hospitals 75 per cent. of the children inoculated with Behring's antiphtheritine (serum taken from horses) were saved, while of those not inoculated 60 per cent. died and only 40 per cent. survived.

An English committee of sportsmen and naturalists is taking in hand the protection of South African mammals—the giraffe, zebra, eland, gnu, koodoo and other antelopes—against their threatened extinction. A suggested method of accomplishing this is to secure an enclosed park of about 100,000 acres.

An International telephone system to cover all Europe with its network is one of the latest movements to bring the nations into more intimate and more peaceful relations with each other. The cities of Amsterdam, Rotterdam, Brussels and Antwerp are already connected by telephone, and the extension of the lines is a question of only a little time.

The rice-paper tree, one of the most interesting of the flora of China, has been successfully introduced into Florida, and promises to do as well there as in its native country. The celebrated rice-paper, the product of this queer tree, is formed of thin slices of the pith, which is taken from the body of the tree in beautiful cylinders several inches in length.

The United States has lost Mt. St. Elias to the British, as the result of the joint boundary survey of Alaska; and more than that, the British have two or three other mountains in the neighborhood which are even higher than this, which had been supposed to be the highest peak in North America. Mt. St. Elias is calculated to be 18,023 feet high, while Mt. Logan is 19,534, and, so far, heads the list of North American mountain peaks.

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In a new process for coloring leather by electrical action the hide is stretched upon a metallic table and covered, except at the edges, with the coloring liquid. A difference of potential is established between the liquid and the metallic table. The effect of the electric current is to cause the pores of the skin to open, whereby the coloring is enabled to penetrate deeply into its tissue.  
 —*Popular Science Monthly.*

A despatch to the London *Times* from Calcutta says that during the recent cholera epidemic at Lucknow several soldiers who were inoculated with Dr. Haffkine's virus were attacked, and that the proportion of mortality among them was the same as among ordinary patients. This contradicts the results of the experiments conducted by Drs. Haffkine and Simpson, in Calcutta last June. It was then said that few, if any, of those inoculated were attacked by the disease, or if attacked they promptly recovered.—*New York Medical Record.*

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