The Influence of Chemistry on Civilization:

Dr. Maximilian Toch ........................................ 697

A Problem in Laboratory Administration:

Dr. Wm. Lloyd Evans ........................................ 699

Educational Aims in the Teaching of Elementary Geometry, historically considered:

Alva Walker Stampler ....................................... 701

A New Name for a New Science: Dr. Frederick Adams Woods .................. 703

Scientific Notes and News .................................. 705

University and Educational News .......................... 708

Discussion and Correspondence:—


Scientific Books:—

Munson on Foundations of American Grape Culture: Dr. Theo. B. Comstock, McKennie on Exercise in Education and Medicine: Professor Thomas A. Storey, Dana and Ford's Second Appendix to Dana's Mineralogy: Professor A. S. Eakle ................. 714

Scientific Journals and Articles:—

Journal of Economic Entomology: Professor John B. Smith ........................................ 719

Special Articles:—

On the Plant Geography of the Chiricahua Mountains: J. C. Blumer. Dikes in the Hamilton Shale near Clintonville, Onondaga County, New York: Burnett Smith. Guinea Pig Graft-hybrids: Dr. C. C. Guthrie ........................................ 720

The American Astronomical and Astrophysical Society: Professor Frank Schlesinger ........................................ 725

Societies and Academies:—


MSS. intended for publication and books, etc., intended for review should be sent to the Editor of Science, Garrison-on-Hudson, N. Y.

The Influence of Chemistry on Civilization

The future of a country depends on the education of its youth, and the education of its youth must be in competent hands. Whoever first spoke these truisms knew his subject, for we have only to look at those countries where education is not enforced, or even easily attained, to find a country so backward that its relations with the rest of the world are stunted. In many of the countries of Europe illiteracy is universal. In Hungary, for example, we still find that the signs in front of a shop are painted pictures of the wares offered for sale, because many intending purchasers can not read, but they know that the graphic portrayal of a hammer and a saw indicates that tools are sold within. What have those countries like Roumania, Bulgaria, Bohemia, Hungary, Russia, and dozens of others, ever amounted to, and what are their commercial relations with the rest of the world, compared with Germany, France, England or the United States?

The law in the United States and England recognizes only three professions—law, medicine and theology—and long before law and medicine became professions, theology was the only profession, because only the priests and the scribes could read and write. The theologians of ancient times were the early teachers, and one of the first institutions of learning which was carried on systematically (excepting the teachings of Gotama and Confucius) was the Sanhedrin where the Mosaic and

1 Address by the chairman of the Society of Chemical Industry.
Editor's Summary

This copy is for your personal, non-commercial use only.

Article Tools
Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/30/777.citation

Permissions
Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl