

of some diagram the principal facts of each analysis, so that they may at once appeal to the eye. Professor Iddings describes the various kinds of diagrams that have been used, finally explaining the kind which seems to him the most useful. These diagrams express the relations of all the leading constituents of an analysis. Professor Iddings has also devised a plan for the comparison, upon charts, of diagrams representing separate analyses, so that the full range of composition found for known igneous rocks is at once illustrated. This publication presents these charts, which are printed in four colors and accompanied by descriptive text. This graphic representation brings out many facts concerning the composition of the earth's magmas. The fact that there are no well-defined chemical groups of rocks, but rather a continuous series with no natural dividing lines, is clearly illustrated. The author discusses the relations exhibited by the charts, with particular reference to rock classification.

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#### UNIVERSITY AND EDUCATIONAL NEWS.

COLUMBIA UNIVERSITY, the Massachusetts Institute of Technology, the Lawrence Scientific School of Harvard University and the Sheffield Scientific School of Yale University will unite in a summer school of mining to be held in Colorado. The conduct of the summer school is to be in the hands of an executive committee, consisting of Dr. John Hays Hammond, representing Yale University; Professor Robert H. Richards, of the Massachusetts Institute of Technology; Professor Henry L. Smyth, of Harvard University, and Professor Henry S. Munroe, of Columbia University. The last named has been appointed director of the school for the first year, and he will have under him a corps of competent instructors drawn from the several institutions. Mr. George Crocker, through Professor John Hays Hammond, has offered to pay the cost of the school this summer, and has placed \$12,000 for this purpose in the hands of Mr. Hammond and the presidents of the four institutions named, who will act as trustees of the fund.

THE new science and administration building of Colorado College, at Colorado Springs, known as Palmer Hall, will be formally opened with various celebrations during the latter part of the month. The dedicatory address will be delivered on February 23, by Dr. David Starr Jordan; on February 22 addresses will be delivered by Dr. C. R. Van Hise, Dr. S. L. Bigelow, Dr. C. E. Bessey and Dr. Henry Crew. The new building has been erected at an expense of \$280,000, and contains ample laboratory facilities for the scientific department, a museum, etc.

A NUMBER of influential heads of colleges and professors at Oxford have issued a leaflet urging that candidates for honors in mathematics and natural science shall be allowed to substitute for the entrance examination in Greek, mathematics, a science or a modern language.

HENRY S. WILLIAMS, since 1892 professor of geology in Yale University, where he was called from Cornell University, has accepted a call to the head of the department of geology at Cornell.

DR. W. R. WHITEHORNE, formerly professor of physics and chemistry at Muhlenberg College, Allentown, Pa., has been appointed instructor in physics at Lehigh University.

DR. WALDEMAR KOCH, associate in pharmacology in the University of Chicago, has resigned to accept the assistant professorship of pharmacology and physiological chemistry in the University of Missouri.

DR. GEORGE BYRON GORDON has been appointed instructor in anthropology in the University of Pennsylvania.

DR. W. S. BAYLEY has resigned the chair of mineralogy and geology at Colby College which he has held since 1888.

PROFESSOR CHARLES H. HASKINS, of the mathematical department of the Sheffield Scientific School, Yale University, has resigned because of impaired health.

DR. BONNHÖFER, of Königsberg, has been elected professor of psychiatry and director of the Insane Asylum at Heidelberg.