

Number 294.

	Page
ART. XXXV.—Daily March of the Wind Velocities in the United States; by F. WALDO	431
XXXVI.—Preparation of Perchloric Acid and its Application to the Determination of Potassium; by D. A. KREIDER	443
XXXVII.—Crystal Form of Borneol and Isoborneol; by W. H. HOBBS	449
XXXVIII.—Synopsis of the Mode of Growth and Development of the Graptolitic Genus <i>Diplograptus</i> ; by R. RUEDEMANN	453
XXXIX.—Newly Discovered Dike at DeWitt, near Syracuse, New York. Geologic notes by N. H. DARTON. Petrographic description; by J. F. KEMP	456
XL.—Note on the amount of Elevation which has taken place along the Rocky Mountain Range in British America since the close of the Cretaceous period; by Dr. G. M. DAWSON	463
XLI.—Three New Analyses of Sodalite, from three new localities; by L. McI. LUQUER and G. J. VOLCKENING	465

SCIENTIFIC INTELLIGENCE.

- Chemistry and Physics*—Solution and Pseudo-solution, LINDER and PICTON: Fluidity of Metals below their Melting Points, SPRING, 467.—Light emitted during Crystallization, BANDROWSKI: Two-fold Spectra of Oxygen, BALY, 468.—Kräfte der Chemischen Dynamik, L. STETTENEIMER: Physical Constants of Hydrogen, OLSZEWSKI: Color Photography, NEUHAUS, 469.—Silvering Glass, M. M. AUGUSTE and L. LUMIÈRE: Form of Sensitive Galvanometer, M. P. WEISS: Diselectrification of Air, KELVIN, M. MACLEAN and A. GALT, 470.—Beitraege zur Kenntniss des Wesens der Saecular Variation des Erdmagnetismus, L. A. BAUER, 471.—Text Book of the Principles of Physics, A. DANIELL, 472.
- Geology and Mineralogy*—Discovery of a dicotyledonous Flora in the Cheyenne sandstone, R. T. HILL: Geological Aspects of Variation, M. GOSSELET, 473.—Geological Survey of Illinois, vol. iv, C. R. KEYES: Geological Survey of New Jersey, 475.—Geological Survey of Iowa, vol. iii: Ueber devonische Pflanzen aus dem Donetz-Becken, SCHMALHAUSEN, 476.—Contributions a l'Étude des Feldspaths des Roches Volcaniques, F. FOUQUÉ, 477.—Analcite-Diabase from San Luis, Cal., H. W. FAIRBANKS: Gold in Serpentine, H. W. TURNER: Brief Notices of some recently described Minerals, 478.—Elements of Mineralogy, Crystallography and Blowpipe Analysis, A. J. MOSES and C. L. PARSONS, 480.
- Botany*—Students' Text-Book of Botany, S. H. VINES, 481.—Cellulose: an outline of the Chemistry of the structural elements of plants, with reference to their Natural History and Industrial Uses, C. F. CROSS, E. J. BEVAN and C. BEADLE, 482.—Interesting Method of Dissemination, DUSÉN: Australian Narcotics, J. H. MAIDEN, 483.
- Miscellaneous Scientific Intelligence*—Science of Mechanics, E. MACH: Dynamics: R. T. GLAZEBROOK: Few Chapters in Astronomy, C. KENNEDY: North American Birds, H. NEHRLING, R. RIDGWAY, A. GOERING and G. MUETZEL, 484.
- Obituary*—JOHN H. REDFIELD: LOTHAR VON MEYER: CARL VOGT, 485.