

*Geology and Mineralogy*—Note respecting the term Agnotozoic, T. C. CHAMBERLIN, 254.—Contributions to the Paleontology of Brazil, CHARLES A. WHITE: Arkansas Geological Survey: Fossils of Littleton, New Hampshire: Palæolithic Man in Northwest Middlesex, J. A. BROWN, 255.—Organization of the Fossil Plants of the Coal Measures, W. C. WILLIAMSON: Catalogue of the Fossil Mammalia in the British Museum, R. LYDEKKER: Geological Evidences of Evolution, A. HEILPRIN, 256.—Kilauea: Allgemeine und chemische Geologie, J. ROTH: Mineral Resources of the United States, D. T. DAY Native Platinum from Canada, G. C. HOFFMANN, 257.—Shepard Collection of Minerals: Natural Gas, 258.

*Botany*—Respiratory Organs of Plants, L. JOST: Combination of the Auxanometer with the Clinostat, ALBRECHT, 258.—Die natürlichen Pflanzenfamilien, A. ENGLER and K. PRANTL, 259.—Botanical Necrology for the year 1887, 260.

*Miscellaneous Scientific Intelligence*—Hann's Meteorological Atlas, 263.—New Meteorites, 264.

---

### Number 208.

	Page
ART. XXII.—The Absolute Wave-length of Light; by L. BELL. Part I. . . . .	265
XXIII.—History of the changes in the Mt. Loa Craters; by J. D. DANA. (With Plates IV and V) . . . . .	282
XXIV.—The Electromotive Force of Magnetization; by E. L. NICHOLS and W. S. FRANKLIN . . . . .	290
XXV.—Notes on certain rare Copper Minerals from Utah; by W. F. HILLEBRAND and H. S. WASHINGTON . . . . .	298
XXVI.—The Taconic System of Emmons, and the use of the name Taconic in Geologic nomenclature; by C. D. WALCOTT. (With Plate III) . . . . .	307
XXVII.—Three Formations of the Middle Atlantic Slope; by W. J. MCGEE . . . . .	328
XXVIII.—Diorite Dike at Forest of Dean, Orange County, N. Y.; by J. F. KEMP . . . . .	331
XXIX.—New Lecture Apparatus for determination of Reflection and Refraction; by W. L. STEVENS . . . . .	332

### SCIENTIFIC INTELLIGENCE.

*Chemistry and Physics*—Spectrum of the Residual Glow, CROOKES, 334.—Presence of Chlorine in Oxygen prepared from Potassium chlorate. BELLAMY: Interaction of zinc and sulphuric acid, MUIR and ADIE, 335.—Organic Analysis, A. B. PRESCOTT: Practical Physics, B. STEWART and W. W. H. GEE, 336.—Spectrum of the oxyhydrogen flame, G. D. LIVEING and J. DEWAR: Application of the Electrolysis of Copper to the Measurement of Electric Currents, GRAY: Influence of light upon electrical discharges: Wave-lengths of standard lines, F. KURLBAUM, 337.

*Geology and Natural History*.—Distribution of strain in the Earth's crust resulting from secular cooling, C. DAVISON and G. H. DARWIN, 338.—Lavas of Krakatoa: Geologie von Bayern, K. W. VON GÜMBEL: Recent contributions to our knowledge of the vegetable cell. 341.