

NUMBER CVIII.

	Page
ART. L.—Photographing the Spectra of the Stars and Planets; by HENRY DRAPER,.....	419
LI.—Artificial Fertilization of Oyster Eggs, and Embryology of the American Oyster; by W. K. BROOKS,.....	425
LII.—Origin of the Loess; by G. C. BROADHEAD,.....	427
LIII.—Observations on the planets Hersilia and Dido; by C. H. F. PETERS,.....	428
LIV.—Triple Objectives with complete Color Correction; by C. S. HASTINGS,.....	429
LV.—Geology of Virginia; by J. L. CAMPBELL,.....	435
LVI.—Character and Intensity of the Rays emitted by Glow- ing Platinum; by E. L. NICHOLS,.....	446
LVII.—Recent additions to the Marine Fauna of the Eastern Coast of North America; by A. E. VERRILL,.....	468
LVIII.—Geology of Galisteo Creek, New Mexico; by J. J. STEVENSON,.....	471
LIX.—Geology of Catoosa Co., Georgia; by A. W. VOGDES,.....	475
LX.—New Jurassic Reptiles (Pl. 3); by O. C. MARSH,.....	501

SCIENTIFIC INTELLIGENCE.

- Chemistry and Physics.*—Electrolysis with Alternating Currents, DRECHSEL, 477.
—Basicity of Dithionic or Hyposulphuric Acid, KOLBE, 478.—Non-existence of
Pentathionic acid, SPRING: Atomic Weight of Tellurium, WILLS, 479.—Prepara-
tion of Propylene glycol from Glycerin, BELOHOUBEK: Skatol, BRIEGER:
Synthesis of Lactose, DEMOLE, 480.
- Geology and Natural History.*—Geological Survey of Canada, A. R. C. SELWYN,
481.—Geological and Natural History Survey of Minnesota, N. H. WINCHELL:
Recently described Minerals, 483.—Ueber den Boracit von H. BAUMHAUER:
Genauere Messungen der Epidot-Krystalle aus der Knappenwand im oberen
Sulzbachthal, N. VON KOKSCHAROW: Canadian Apatite, C. HOFFMANN: Eucalyptographia, F. V. MUELLER, 485.—Monographiæ Phanerogamarum Prodromi,
DE CANDOLLE and ENGLER, 486.—Anatomie Comparée des Feuilles chez quelques
Familles de Dicotylédones, DE CANDOLLE: Bentham and Hooker's Genera Plan-
tarum, 487.—Chesapeake Zoological Laboratory, 488.
- Astronomy.*—The Minor Planets, A. N. SKINNER, 488.—Annals of Astronomical
Observatory of Harvard College, 491.
- Miscellaneous Scientific Intelligence.*—Geological Survey of the Public Domain, 492.
—Chemical Denudation in Regard to Geological Time, T. M. READE, 496.—
Princeton Scientific Expedition of 1877: Lectures and Essays by the late W. K.
CLIFFORD: Seeing and Thinking, W. K. CLIFFORD, 497.—The Mound Builders,
J. P. MACLEAN: Maps of the U. S. Geological and Geographical Survey of the
Territories, F. V. HAYDEN, 498.—*Obituary*: J. Clerk Maxwell, 499.