

Number 240.

	Page
ART. LIV.—Long Island Sound in the Quaternary Era, with observations on the Submarine Hudson River Channel; by JAMES D. DANA. (With Plate X)	425
LV.—The Preservation and Accumulation of Cross-fer-tility; by JOHN T. GULICK	437
LVI.—The Deformation of Iroquois Beach and Birth of Lake Ontario; by J. W. SPENCER	443
LVII.—Experiments upon the Constitution of the Natural Silicates; by F. W. CLARKE and E. A. SCHNEIDER ...	452
LVIII.—Eudialyte and Eucolite, from Magnet Cove, Arkansas; by J. FRANCIS WILLIAMS	457
LIX.—Prediction of Cold-waves from Signal Service Weather Maps; by T. RUSSELL	463
LX.—Peculiar method of Sand-transportation by Rivers; by JAMES C. GRAHAM	476
LXI.—Note on the Cretaceous rocks of Northern California; by J. S. DILLER	476
LXII.—Magnetic and Gravity Observations on the West Coast of Africa and at some islands in the North and South Atlantic; by E. D. PRESTON	478
LXIII.—Fowlerite variety of Rhodonite from Franklin and Stirling, N. J.; by L. V. PIRSSON	484
LXIV.—Some Observations on the Beryllium Minerals from Mt. Antero, Colorado; by S. L. PENFIELD	488

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics.—Action of Light on Chlorine water, PEDLER: Action of Light on Phosphorus, PEDLER, 492.—Action of Fluorine on Carbon, 493.—Selenic Acid, CAMERON and MACALLAN: Use of the Platinum Thermometer, E. H. GRIFFITHS, 494.—True weight of a cubic inch of distilled water. H. J. CHANEY: Heat as a Form of Energy, R. H. THURSTON: Sound, Light and Heat; Magnetism and Electricity, J. SPENCER, 495.

Geology and Mineralogy.—Geological and Palæontological relations of the Coal and Plant-bearing beds of Palæozoic and Mesozoic age in Eastern Australia and Tasmania, etc., O. FEISTMANTEL, 495.—Jurassic Fish-Fauna in the Hawkesbury beds of New South Wales, A. S. WOODWARD: State of Alpine glaciers in 1889, F. A. FOREL: Cordierite as a contact mineral, Y. KIKUCHI: Sanguinite, a new mineral, 497.

Miscellaneous Scientific Intelligence.—Deep-sea Dredging in the Pacific, A. AGASSIZ, 497.—National Academy of Sciences: Results of a Biological Survey of the San Francisco Mountain Region and Desert of the Little Colorado, Arizona, 498.—Bulletin of the Scientific Laboratories of Denison University, W. G. TRIGHT: Royal Society of Canada: Ostwald's Klassiker der Exakten Wissenschaften, 499.

INDEX TO VOLUME XL, 500.