CONTENTS OF VOLUME II.

PART I.

| Abstract of Minutes, | 5-14 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Address of the Retiring President; Richard Pearce, Jan. 7th, | |
| 1885, | 1 |
| Certain Interesting Crystalline Alloys; by Richard Pearce, | 7 |
| Notes on the Occurrence of Goslarite in the Gagnon Mine, | |
| Butte City, Montana; by Richard Pearce, | 12 |
| Meteoric Iron from New Mexico; by L. G. Eakins, | 14 |
| Some Experiments on the Quantitative Efficiency of the Marsh- Berzelius Method for the Detection of Arsenic; by Wm. P. Headden and B. Sadtler, Jr., | 15 |
| Emmonsite, a Ferric Tellurite; by W. F. Hillebrand, | 20 |
| Notes on some further Investigations on the Formation of | - |
| Crystalline Alloys; by Richard Pearce, | 24 |
| Remarks on the Occurrence of Coal in the Carboniferous Formation at Aspen and Glenwood Springs, Colorado; by | 25 |
| R. C. Hills, | 45 |
| Utah; by R. C. Hills, | 27 |
| Notes on a Trip to Telluride, San Miguel County, Colorado; | • |
| by P. H. van Diest, | 28 |
| Note on Columbite; by Wm. P. Headden, | 31 |
| On Allanite and Gadolinite: by L. G. Eakins, | 32 |
| PART II. | |
| Abstract of Minutes, | 15-32 |
| Address of Retiring Vice-President, P. H. van Diest, Jan. | |
| 4th, 1886, , , | 37 |
| Notes on the Precipitation of Titanic Oxide by Hydric Sul- | |
| phide; by Wm. P. Headden, | 45 |
| Notes on some Boulder County Veins; by P. H. van Diest, | 50 |
| Notes on the Artesian Wells of Denver; by Chas. G. Slack, | 56 |
| On the Occurrence of Garnet and Topaz in Lithophyses of Rhyolite; by Whitman Cross, | 61 |
| Note on what appears to be a New Mineral, from the Gagnon Mine, Butte City, Montana; by Richard Pearce, | 70 |
| On Ptilolite, a New Mineral; by Whitman Cross and L. G. | • |
| Eakins, | 71 |
| A Modification of Berthier's Method for the Assay of Fuels, and its application to the Determination of the Heating | |
| Power of Bituminous Coals; by R. C. Hills, | 77 |
| Notes on some Colorado Ore-Deposits: by S. F. Emmons, | 85 |



| Notes on the recent discovery of Natural Gas in Pitkin County, Colorado; by R. C. Hills, | 106 |
|----------------------------------------------------------------------------------------------------------------------------|----------|
| Notes on the Crystal Beds of Topaz Butte; by Walter B. Smith, | 100 |
| The Cimarron Land-slide, July, 1886; by Whitman Cross, | 116 |
| Circulation of Water through the Strata of the Upper Cretaceous Coal Measure of Gunnison County, Colorado; by R. C. Hills, | 127 |
| Notes on a new Occurrence of Copper Arsenates and associated minerals in Utah; by Richard Pearce, | 134 |
| Notes on Aqua-Marines from Mt. Antero, Colorado; by Rev. R. T. Cross, | 138 |
| Phenacite from Colorado; by S. L. Penfield, | 141 |
| The Elk Head Anthracite Coal-field of Routt County, Colo- | |
| rado; by F. F. Chisolm, | 147 |
| Additional Notes on Copper Arsenates and associated Minerals, from Utah; by Richard Pearce, | 150 |
| PART III. | |
| Abstract of Minutes, | 33-44 |
| Mineralogical Notes I, II and III: by Walter B. Smith, | 155, 175 |
| Note on Phonolite from Colorado; by Whitman Cross, | 167 |
| Preliminary Note on Slipping-planes and lamellar Twinning | |
| in Galena; by Whitman Cross, | 171 |
| Note on Pharmacosiderite from Utah; by Richard Pearce | 180 |
| Palaeontological Notes; by T. W. Stanton, | 184 |
| Note on a mixture of Bornite and Stromeyerite; by Richard Pearce, | 1881 |
| On the Origin of Fissure Veins; by S. F. Emmons, | 189 |
| A Method for Determining Zinc in Ores; by Wm. P. Headden, | 209 |
| On Glaciers in the Rocky Mountains; by S. F. Emmons, | 211 |
| On some Eruptive Rocks from Custer County, Colorado; by Whitman Cross, | 228 |
| Preliminary Notes on Aspen, Colorado; by S. F. Emmons, | 251 |
| Address by the Retiring President, P. H. van Diest, Jan. 2, 1888, | 278 |

