

Proceedings of the Iowa Academy of Science

Volume 1 | Part 3, 1892; (1887) -

Article 1

1892

Title Pages

Herbert Osborn

Let us know how access to this document benefits you

Copyright ©1892 Iowa Academy of Science, Inc.

Follow this and additional works at: <https://scholarworks.uni.edu/pias>

Recommended Citation

Osborn, Herbert (1892) "Title Pages," *Proceedings of the Iowa Academy of Science*, 1(Pt. 3).

Available at: <https://scholarworks.uni.edu/pias/vol1/iss3/1>

This Front Matter is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.

Osborn: Title Pages

PROCEEDINGS

OF THE

IOWA

Academy of Sciences

FOR 1887-1893.

VOLUME 1,

PARTS I to IV.

EDITED BY THE SECRETARY.

DES MOINES, IOWA:
1887-1893.

IGA

CONTENTS OF PART I., VOL. I.

v. 1
Pl. 1-3
1887-92

Officers of the Academy,	2
Fellows of the Academy,	3
Constitution,	5
Historical Note,	6
Proceedings of the Iowa Academy of Sciences,	8
Animal Intelligence, <i>H. W. Parker</i> ,	8
Animal Aesthetics, <i>H. W. Parker</i> ,	10
The Terraces of the Missouri, <i>J. E. Todd</i> ,	11
The Origin of the Extra-Morainic Till, <i>J. E. Todd</i> ,	12
Directive Coloration in Animals, <i>J. E. Todd</i> ,	14
Some Ferns of the Ozark Region of Missouri, <i>R. Ellsworth Call</i> ,	15
Notes on the Gross Anatomy of <i>Campeloma</i> , <i>R. Ellsworth Call</i> ,	16
On a New Fossil Linnæid from the Post-Pleiocene of California, <i>R. Ellsworth Call</i> ,	17
Notes on some Shells, Ferns, Etc., <i>F. M. Witter</i> ,	17
Proceedings of the Academy of Sciences, 1888,	19
Local Problems in Science, (Presidential Address) <i>Herbert Osborn</i> ,	19
On the Metamorphosis of a Species of Aleyrodæ, <i>Herbert Osborn</i> ,	30
The Hemipterous Fauna of Iowa, <i>Herbert Osborn</i> ,	40
Catalogue of the Mammals of Iowa, <i>Herbert Osborn</i> ,	41
Fragment of a Catalogue of the Coleoptera of Iowa, <i>Herbert Osborn and H. F. Wickham</i> ,	44
My Experience in Rearing <i>Vanessa Antiopa</i> , <i>F. M. Witter</i> ,	44
Some Additional Observations on the Læss in and About Muscatine, <i>F. M. Witter</i> ,	45
The Parvus Group of Unionidæ, <i>R. Ellsworth Call</i> ,	45
The Geology of Crowley's Ridge, Arkansas, <i>R. Ellsworth Call</i> ,	52
Cynipids and Cynipidous Galls on Oaks Common to Iowa, <i>C. P. Gillette</i> ,	53
The Lineage of Lake Agassiz, <i>J. E. Todd</i> ,	57
On the Folding of the Carboniferous Strata in Southwestern Iowa, <i>J. E. Todd</i> ,	58
Proceedings of the Iowa Academy of Sciences for 1889,	63
The Blue Quail (<i>Callipepla Squamata</i>) in Iowa, <i>J. E. Todd</i> ,	63
Is the Plum <i>Curculio</i> Double-Brooded? <i>C. P. Gillette</i> ,	63
On the Distribution of Certain Hemiptera, <i>Herbert Osborn</i> ,	64
On the Wax Glands of the Pempighinæ, <i>Herbert Osborn</i> ,	64
Additions to the Catalogue of Iowa Hemiptera, <i>Herbert Osborn</i> ,	65
Life, History and Embryology of <i>Monostegia</i> (<i>Selandria</i>) <i>Ignota</i> (Nor.) <i>Frederick W. Mally</i> ,	65
The Crystalline Rocks of Missouri, <i>Erasmus Haworth</i> ,	66
The Native Food Fishes of Iowa, <i>Seth E. Meek</i> ,	68
Notes on the Native Forest Trees of Eastern Arkansas, <i>R. Ellsworth Call</i> ,	76
On the Geology of Eastern Arkansas, <i>R. Ellsworth Call</i> ,	85
<i>Beggiatoa Alba</i> and the Dying of Fish in Iowa, <i>L. H. Pammel</i> ,	90
Some Fungous Diseases of Fruit Trees in Iowa, <i>L. H. Pammel</i> ,	91
A Cherry Disease, <i>L. H. Pammel</i> ,	92
Nematocysts, <i>C. C. Nutting</i> ,	95
The Ferns of Muscatine County, Iowa, <i>F. M. Witter</i> ,	96
Pearl Bearing Unios, <i>F. M. Witter</i> ,	97
Notes on a Fossil Wood from the Keokuk Limestone, Keokuk, Iowa, <i>C. H. Gordon</i> ,	97
On the Keokuk Beds and Their Contained Fossils in the Vicinity of Keokuk, Iowa, <i>C. H. Gordon</i> ,	98
Observations on the Keokuk Species of <i>Agaricocrinus</i> , <i>C. H. Gordon</i> ,	100

CONTENTS PART II.

Officers of the Academy,	3
Membership of the Academy,	5
Constitution,	6
Note on Origin and Objects of the Academy,	9
Lists of Meetings,	10
Notes on the Geology of Northwestern Iowa, <i>J. E. Todd</i> ,	13
Exhibition of Volcanic Dust from Omaha, Neb., <i>J. E. Todd</i> ,	16
The Shore Lines of Ancient Glacial Lakes, <i>J. E. Todd</i> ,	17
Striation of Rocks by River Ice, <i>J. E. Todd</i> ,	18
Eastern Extension of the Cretaceous in Iowa, <i>C. R. Keyes</i> ,	21
Contribution to the Fauna of the Lower Coal Measures of Central Iowa, <i>C. R. Keyes</i> ,	22

Osborn: Title Pages

A New Conocardium from the Iowa Devonian,	23
Preliminary Note on the Sædimentary Habits of <i>Platyceras</i> , <i>C. R. Keyes</i> ,	24
Evolution of <i>Strophostylus</i> , <i>C. R. Keyes</i> ,	25
Age of Certain Sandstones near Iowa City, <i>C. R. Keyes</i> ,	26
Notes on the Red Rock Sandstone, <i>C. R. Keyes</i> ,	26
Geological Structure and Relations of the Coal Bearing Strata of Central Iowa, <i>C. R. Keyes</i> ,	27
Brick and Other Clays of Des Moines, <i>C. R. Keyes</i> ,	29
Aluminum in Iowa, <i>C. R. Keyes</i> ,	29
On a Quaternary Section Eight Miles Southeast of Des Moines, Iowa, <i>C. R. Keyes and R. E. Call</i> ,	30
Note on the differences between <i>Acerularia profunda</i> Hal', and <i>Acerularia davidsoni</i> Edwards and Haime, <i>S. Calvin</i> ,	30
Notes on Missouri Minerals, <i>E. Haworth</i> ,	33
Prismatic Sandstone from Missouri, <i>E. Haworth</i> ,	36
The Tertiary Silicified Woods of Eastern Arkansas, <i>R. E. Call</i> ,	37
The Fishes of the Des Moines Basin, <i>R. E. Call</i> ,	43
On an Abnormal Hyoid Bone in the Human Subject, <i>R. E. Call</i> ,	56
Artesian Wells in Iowa, <i>R. E. Call</i> ,	57
Some Experiments for the Purpose of Determining the Active Principles of Bread Making, <i>Minnie Howe</i> ,	64
Aboriginal Rock Mortars, <i>H. L. Bruner</i> ,	64
Notice of Arrow Points from the Læss in the City of Muscatine, <i>F. M. Witter</i> ,	66
The Gas Wells near Letts, Iowa, <i>F. M. Witter</i> ,	68
A New Distilling Flask for Use in the Kjeldahl Process, <i>G. E. Patrick and D. B. Bisbee</i> ,	71
Composite Milk Samples in the Laboratory, <i>G. E. Patrick</i> ,	73
On a New Astatic Galvanometer with a Single Spiral Needle, <i>L. W. Andrews</i> ,	75
Woody Plants of Western Wisconsin, <i>L. H. Pammel</i> ,	76
Forest Vegetation of the Upper Mississippi, <i>L. H. Pammel</i> ,	80
Phænological Notes, <i>L. H. Pammel</i> ,	87
Report of the Committee on State Flora, <i>L. H. Pammel</i> ,	88
Some Fungous Diseases of Iowa Forage Plants, <i>L. H. Pammel</i> ,	93
Bacteria of Milk, Cream and Cheese with Exhibition of Cultures, <i>L. H. Pammel</i> ,	94
Corn Smut, <i>L. H. Pammel</i> ,	95
Some of the Causes and Results of Polygamy Among the Pinnipedia, <i>C. C. Nutting</i> ,	96
Systematic Zoology in Colleges, <i>C. C. Nutting</i> ,	102
Oviposition of <i>Anomalus</i> sp., <i>C. P. Gillette</i> ,	107
A New Cicidomid Infesting Box Elder, <i>C. P. Gillette</i> ,	107
Egg Laying of the Apple Curcul'o <i>Anthonomus Quadrigibbus</i> , <i>C. P. Gillette</i> ,	109
The Gall Producing Cynipidæ of Iowa, <i>C. P. Gillette</i> ,	110
On Some Carboniferous Fossils from Jackson County, Iowa, <i>H. Osborn</i> ,	115
Abnormal Pelage in <i>Lepus sylvaticus</i> , <i>H. Osborn</i> ,	116
The Orthopterous Fauna of Iowa, <i>H. Osborn</i> ,	116
Catalogue of Iowa Hemiptera, <i>H. Osborn</i> ,	120

CONTENTS PART III.

Officers of the Academy,	3
List of Papers,	5
Membership of the Academy,	6
The Relation of the Cretaceous Deposits of Iowa to the Sub-Division of the Cretaceous, Proposed by <i>Meek and Hayden</i> ,	7
Note on Cerionites <i>Dactyloides</i> Owen, <i>S. Calvin</i> ,	13
Natural Gas in Iowa, <i>C. R. Keyes</i> ,	15
Iowa Mineralogical Notes, <i>C. R. Keyes</i> ,	18
Surface Disintegration of Granitic Masses, <i>C. R. Keyes</i> ,	22
Some American Eruptive Granites, <i>C. R. Keyes</i> ,	24
Strata Between Ford and Winterset, <i>J. L. Tilton</i> ,	26
Analysis of Water for Railway Engines, <i>C. O. Bates</i> ,	27
Some Observations on <i>Helix cooperi</i> , <i>F. M. Witter</i> ,	28
On the Absence of Ferns between Fort Collins and Meeker, Colo. <i>F. M. Witter</i> ,	29
Notice of Stone Implements, <i>F. M. Witter</i> ,	30
Some Reasons why Frogs are Able to Survive, <i>Gilman Drew</i> ,	2
President's Address, <i>C. C. Nutting</i> ,	5
Report of Committee on State Fauna, <i>C. C. Nutting</i> ,	9
Significance of Concealed Crests of Fly Catchers, <i>C. C. Nutting</i> ,	42

Phænological Notes for 1892, <i>L. H. Pammel</i> ,	46
Notes on the Elements of Taxonomy, <i>H. F. Silliman</i> ,	62
Proceedings of the Iowa Academy of Science, Vol. 1 [1893], No. 3, Art: 1	77
The Relation of Frost to Certain Plants, <i>L. H. Pammel</i> ,	79
Pollination of Cucurbits, <i>L. H. Pammel</i> ,	80
Palisade Cells and Stomata of Leaves, <i>F. C. Stewart</i> ,	84
Key to Weed Seeds in Clover, <i>F. C. Stewart</i> ,	90
On Cattle Diseases, <i>W. B. Niles</i> ,	93
Pellæa Atropurpureæ on Sandstone Ledges, <i>F. Reppert</i> ,	94
Clover Insects, <i>H. A. Gossard</i> ,	98
Notes on Aphididæ, <i>H. Osborn and F. A. Serrine</i> ,	101
Life Histories of Jassidæ, <i>H. Osborn</i> ,	103
Additions and Corrections, Iowa Hemiptera, <i>H. Osborn</i> ,	105
Fishes of Cedar Basin, <i>S. F. Meek</i> ,	

CONTENTS PART IV.

List of Officers,	3
Membership,	4
Proceedings,	6
On the Assumption of a Special "Nascent State," <i>L. W. Andrews</i> ,	9
Some Peculiarities of Solutions of Sulpho Cyanate, <i>L. W. Andrews</i> ,	12
The Electrolysis of Silver: Laboratory Notes, <i>W. S. Hendrixson</i> ,	15
Experimental Engineering at the Iowa Agricultural College, <i>G. W. Bissell</i> ,	16
On the Geological Position of <i>Bænites dacotensis</i> Macbride, with observations on the Stratigraphy of the Region in which the Species was discovered, <i>S. Calvin</i> ,	18
Notes on the Lower Strata of the Denovian Series in Iowa, <i>Wm. H. Norton</i> ,	22
Relations of the Cretaceous Formations in Northwestern Iowa, <i>C. R. Keyes</i> ,	24
Derivation of the Unione Fauna of the Northwest, <i>C. R. Keyes</i> ,	25
Process of Formation of Certain Quartzites, <i>C. R. Keyes</i> ,	29
Origin of the Present Drainage System of Warren County, <i>J. L. Tilton</i> ,	31
Structure of the Mystic Coal Basin, <i>H. Foster Bain</i> ,	33
Sigourney Deep Well, <i>H. Foster Bain</i> ,	36
Southern Extension of the Cretaceous in Iowa, <i>E. H. Lonsdale</i> ,	39
Topography of the Granite and Porphyry Areas in Missouri, <i>E. H. Lonsdale</i> ,	43
Occurrence of Zinc in Northeastern Iowa, <i>A. G. Leonard</i> ,	48
Satin Spar from Dubuque, <i>A. G. Leonard</i> ,	52
Occurrence in Iowa of Fossiliferous Concretions Similar to those of Mazon Creek, <i>A. C. Spencer</i> ,	55
Evidences of Disturbance During the Deposition of Burlington Limestones, <i>F. M. Fultz</i> ,	56
The Coal Measures of Poweshieck County, <i>A. J. Jones</i> ,	59
On the Occurrence of <i>Cardiocarpus</i> in Iowa, <i>A. J. Jones</i> ,	61
North American Cycads, <i>T. H. McBride</i> ,	62
<i>Rhus Typhina</i> Linn, <i>T. H. McBride</i> ,	65
Presidential Address. Bacteria: Their Relation to Modern Medicine the Arts and Industries <i>L. H. Pammel</i> ,	66
Powdery Mildew of the Apple, <i>L. H. Pammel</i> ,	92
Further Notes on <i>Cladospodium Carpophilum</i> , <i>L. H. Pammel</i> ,	92
Notes from the Botanical Laboratory of Iowa Agricultural College, <i>L. H. Pammel</i> ,	93
Notes on the Pollination of some Liliaceæ and a few other Plants, <i>Mary C. Rolfs</i> ,	98
Observations on the Pollination of Some of the Compositæ, <i>Mary A. Nichols</i> ,	100
Additions to the Flora of Iowa, <i>B. Fink</i> ,	103
The Paraffine Method applied to the Study of the Embryology of the Flowering Plants, <i>H. W. Norris</i> ,	104
The Development of the Auditory Vesicle in <i>Necturus</i> , <i>H. W. Norris</i> ,	105
An Instance of the Persistence of the Ductus Venosus in the Domestic Cat, <i>H. W. Norris</i> ,	107
Additional Notes on Iowa Mollusca, <i>B. Shinek</i> ,	107
Variations in the Succineæ of the Loess, <i>B. Shinek</i> ,	111
The Johns Hopkins Biological Laboratory, <i>W. S. Windle</i> ,	112
The Vascular Supply of the Teeth of the Domestic Cat, <i>C. C. Nutting</i> ,	115
The Homology of the "Inca" Bone, <i>C. C. Nutting</i> ,	119
Notes on the Distribution of Hemiptera, <i>Herbert Osborn</i> ,	120
Laboratory Notes in Zoology, <i>Herbert Osborn</i> ,	124
Additions to the Known Species of Iowa Ichneumonidæ, <i>Alice M. Beach</i> ,	128
A New Species of Pemphigus, Occurring on Thorn, <i>F. A. Serrine</i> ,	129
Hackberry Psylidæ Found at Ames, Iowa, <i>C. W. Mally</i> ,	131
Author's Index, Vol. I, Parts I-IV,	139
Subject Index, Vol. I, Parts I-IV,	139

PROCEEDINGS
OF THE
IOWA ACADEMY
OF
SCIENCES
FOR
1892.

VOLUME I. PART III.

PROCEEDINGS
OF THE
IOWA ACADEMY OF SCIENCES
FOR 1892.

VOLUME 1, PART III.

EDITED BY THE SECRETARY,

Herbert Osborn, Ames, Iowa.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY

DES MOINES:
G. H. RAGSDALE, STATE PRINTER.
1893.