

INDEX

A

	PAGE
Act to Provide for Publication.....	8
Some Abnormalities in Plant Structure. M. S. Markle.....	117
Analyses of One Hundred Soils, Allen County, Indiana. R. H. Carr and V. R. Phares.....	151
Aphids and Ants on Fruit Trees. S. D. Connor.....	245
Ashley, George H. Memorial of Albert Homer Purdue.....	247
Andrews, F. M. Some Trees of Indiana.....	261
Ascomycetes New to the Flora of Indiana. Bruce Fink and Sylvia C. Fuson	264

B

By-Laws	7
Bennett, L. F. Geology and the War.....	56
Bennett, L. F. In Memoriam. George D. Timmons.....	79
The Barberry and Its Relation to the Stem Rust of Wheat. F. J. Pipal	63
Bacteria in Frozen Soil. H. A. Noyes.....	110
Beals, Colonzo C. Soil Survey of Cass County, Indiana.....	186
The Birds of the Sand Dunes of Northwestern Indiana. C. W. G. Eifrig	280

C

Constitution	5
Committees, 1919	11
Contribution of Botany to Military Efficiency. R. M. Holman....	49
Conner, S. D. William James Jones.....	81
Conner, S. D. Aphids and Ants on Fruit Trees.....	245
Colonies for a Satisfactory Soil Plate, Number of. H. A. Noyes and G. L. Grounds.....	93
Carr, R. H. Analyses of One Hundred Soils, Allen County, Indiana.	151
Carr, R. H. The Relation of Nitrogen, Phosphorus and Organic Mat- ter to Corn Yield in Elkhart County, Indiana.....	160
Coal in Monroe County, the Occurrence of. W. L. Logan.....	172

PAGE

The Crustaceans of Lake Maxinkuckee. Barton W. Evermann and Howard W. Clark.....	225
Clark, Howard W. The Crustaceans of Lake Maxinkuckee.....	225
Clark, Howard W. Certain Protozoa and Other Invertebrates of Lake Maxinkuckee	236
The Copepod Parasites. Chas. B. Wilson.....	230
The Crawfish, Wm. Perry Hay.....	232

D

Deam, Chas. C. Plants New to Indiana. VIII.....	144
The Dormant Period of Timothy Seed after Harvesting. M. L. Fisher	276

E

Evolutionary Philosophy and the German War. A. Richards.....	71
Evermann, Barton W. Certain Protozoa and Other Invertebrates of Lake Maxinkuckee, Notes on.....	236
Evermann, Barton W. The Crustaceans of Lake Maxinkuckee.....	225
Eifrig, C. W. G. The Birds of the Sand Dunes of Northwestern Indiana	280
Erosional Freaks of the Saluda Limestone. Elmer G. Sulzer.....	309

F

Feeble-Mindedness—The Problem. Edna R. Jatho.....	83
Foley, Arthur L. The Velocity of Sound Waves in Tubes.....	205
Foley, Arthur L. Luther Dana Waterman.....	215
Foley, Arthur L. New Methods of Measuring the Speed of Sound Pulses Near the Source.....	221
Fink, Bruce. Ascomycetes New to the Flora of Indiana.....	264
Fuson, Sylvia C. Ascomysets New to the Flora of Indiana.....	264
Fisher, M. L. The Dormant Period of Timothy Seed after Har- vesting	276
Flame Reactions of Thallium. Jacob Papish.....	166

G

Geology and the War. L. F. Bennett.....	56
Grounds, G. L. Colonies for a Satisfactory Soil Plate.....	93
Golden, Prof. M. J. B. B. Trueblood.....	258

H

	PAGE
Holman, R. M. Contributions of Botany to Military Efficiency.....	49
Hoffman, Leroy. The Relation of Nitrogen, Phosphorus and Organic Matter to Corn Yield in Elkhart County, Indiana.....	160
Hole, Allen D. Paleontology of Certain Chester Formations in Southern Indiana, Notes on the.....	183
Hay, Wm. Perry. The Crawfish.....	232

I

Indianaite in Monroe County, Notes on the Occurrence of. W. L. Logan	177
---	-----

J

Jatho, Edna R. Feeble-Mindedness, the Problem.....	83
Jones, William James. S. D. Conner.....	81

K

A Kinetic Model of the Electron Atom. R. R. Ramsay.....	312
---	-----

L

Luckett, J. D. Time to Incubate Petri Plates.....	102
Logan, Wm. L. Coal in Monroe County.....	172
Logan, Wm. L. Indianaite in Monroe County, Notes on Occur- rence of	177

M

Members	14
Active	21
Fellows	14
Nonresident	18
Minutes of Spring Meeting.....	32
Minutes of Fall Meeting.....	42
McBeth, Wm. A. Physiography and War.....	60
Method of Teaching Diffusion and Osmosis. Paul Weatherwax....	88
Markle, M. S. Some Abnormalities in Plant Structure.....	117
New Methods of Measuring the Speed of Sound Pulses Near the Source. Arthur L. Foley.....	221

N

PAGE

Noyes, H. A. Colonies for a Satisfactory Soil Plate.....	93
Noyes, H. A. Length of Time to Incubate Petri Plates.....	102
Noyes, H. A. Bacteria in Frozen Soil.....	110
Nelson, James C. Plants of Boone County, Kentucky.....	125

O

Officers, 1919	10
Officers, List of	12
Oberholzer, Harry C. A Synopsis of the Races of the Guiana Fly-catcher	304

P

President's Address, How Should the Student Body Be Recruited?	
E. B. Williamson.....	45
Public Offenses	9
Program of Thirty-fourth Annual Meeting.....	37
Physiography and War. Wm. A. McBeth.....	60
Pipal, F. J. The Barberry and Its Relation to the Stem Rust of Wheat	63
Plants of Boone County, Kentucky. James C. Nelson.....	125
Plants New to Indiana. VIII. Chas. C. Deam.....	144
Phares, V. R. Analyses of One Hundred Soils, Allen County, Indiana	151
Papish, Jacob. Flame Reactions of Thallium.....	166
Papish, Jacob. Sulphur Dioxide a Source of Volcanic Sulphur.....	170
Palentology of Certain Chester Formations in Southern Indiana, Notes on the. Allen D. Hole.....	183
Certain Protozoa and Other Invertebrates of Lake Maxinkuckee. Barton W. Evermann and Howard W. Clark.....	236
Purdue, Alfred Homer, Memorial of. George H. Ashley.....	247
Physical Science to Military Efficiency, Some Contributions of. C. M. Smith.....	320

R

Richards, A. Evolutionary Philosophy and the German War.....	71
The Relation of Nitrogen, Phosphorus and Organic Matter to Corn Yield. R. H. Carr and Leroy Hoffman.....	160
Remnant Monument Near Madison. Elmer G. Sulzer.....	310
Ramsay, R. R. A Kinetic Model of the Electron Atom.....	312

S

	PAGE
Sulphur Dioxide a Source of Volcanic Sulphur. Jacob Papish.....	170
Soil Survey of Cass County, Indiana. Colonzo C. Beals.....	186
A Synopsis of the Races of the Guiana Flycatcher. Harry C. Oberholzer	304
Sulzer, Elmer G. Erosional Freaks of the Saluda Limestone.....	309
Sulzer, Elmer G. Remnant Monument Near Madison.....	310
Smith, C. M. Some Contributions of Physical Science to Military Efficiency	320

T

Timmons George D., In Memoriam. L. F. Bennett.....	79
Time to Incubate Petri Plates, The Length of. H. A. Noyes, Edwin Voight and J. D. Luckett.....	102
Trueblood, R. B. Prof. M. J. Golden.....	258
Some Trees of Indiana. F. M. Andrews.....	261

V

Voight, Edwin. Length of Time to Incubate Petri Plates.....	102
The Velocity of Sound Waves in Tubes. Arthur L. Foley.....	205

W

Williamson, E. B. President's Address.....	45
Weatherwax, Paul. Method of Teaching Diffusion and Osmosis....	88
Waterman, Luther Dana. Arthur L. Foley.....	215
Wilson, Chas. B. The Copepod Parasites.....	230