

INDEX.

	Page
Acetic Alcohol as a Killing and Fixing Agent in Plant Histology, by F. L. Pickett.....	79
An Instructive Modification of an Old Experiment, by Howard J. Banker	93
Arisema Triphyllum Corms; Length of Life of.....	77
Biometric Study of the Streptococci from Milk and from the Human Throat, by C. M. Hilliard.....	155
Birds: Laws in Indiana for the Protection of Birds, Their Nests and Eggs	9
Birds of Indiana, Notes on Some Species.....	59
Birds that Destroy Grapes, by Amos Butler.....	53
Butter Fat and Butter Fat Constants, by George Spitzer.....	127
By-laws of the Indiana Academy of Science.....	7
Chlorides, A New Method for the Qualitative Detection of, in the Presence of Bromides and Iodides.....	225
Coniology, by Robert Hessler.....	51
Conjugation in Spirogyra, by F. M. Andrews.....	89
Constitution of the Indiana Academy of Science.....	5
Contents of this Volume.....	3
Corn Pollination, Studies in.....	87
Corundum, System of Crystallization and Proper Cutting of Synthetic Gems of.....	169
Determination of Hydrogen, Nitrogen and Methane in Gas by Com- bustion in a Quartz Tube, by Mathers and Lee.....	215
Elements, Nascent State of.....	139
Energy, On the Atomic Structure of.....	157
Fern Prothalia, Some Environic Factors Influencing Their Develop- ment	85
Fungi of Indiana Not Heretofore Reported.....	99
Fungous Enemies of the Sweet Potato in Indiana, by C. A. Ludwig.....	103
Further Notes on Indiana Birds, by Amos Butler.....	59

	Page
Gas, the Determination of Hydrogen, Nitrogen and Methane by the Combustion of in a Quartz Tube.....	215
Heronry near Indianapolis, by Amos Butler.....	57
Improvements of Medicinal Plants, by F. A. Miller.....	115
Indiana Fungi—III, by J. M. Van Hook.....	99
Influence of Certain Environic Factors on the Development of Fern Prothalia, by D. M. Mottier.....	85
Length of Life of Arisaema Triphyllum Corms, by F. L. Pickett.....	77
Members of the Indiana Academy of Science.....	14
Minutes of the Twenty-eighth Annual Meeting.....	33
Mosses of Monroe County, by F. L. Pickett and Mildred Nothnagel....	69
Nascent State of the Elements, by Ransom and Stevens.....	139
Natural Bridge in Parke County, by Chas. R. Dryer.....	212
New Method for the Preparation of Salts of Selenic Acid, by Mathers and Frank.....	221
New Method for the Qualitative Detection of Chlorides in the Presence of Bromides and Iodides, by Mathers and Lee.....	225
Notes on the Intersection of Osculating Planes to the Twisted Cubic Curve, by A. M. Kenyon.....	189
Notes on the Seedless Fruits of the Common Persimmon, by D. M. Mottier	67
Notes on Some Puff-Balls of Indiana, by F. D. Kern.....	105
Notes on the System of Crystallization and the Proper Cutting of the Synthetic Corundum Gems, by Frank B. Wade.....	169
Officers for 1912-1913.....	11
On the Atomic Structure of Energy, by A. E. Caswell.....	157
On the Linear Difference Equations of the First Order with Rational Coefficients, by Thos. E. Mason.....	181
Penetration of Wood by Zinc Chloride, by E. G. Mahin.....	149
Persimmon, Notes on the Seedless Fruits of.....	67
Photosynthesis, an Experiment in.....	93
Photosynthesis in Submerged Land Plants, by Harry V. Heinburger....	95
Planes, Notes on the Intersection of Osculating Planes to the Twisted Cubic Curve.....	189
Plants, Improvement of Medicinal.....	115
Plants Not Hitherto Reported from Indiana, by Chas. C. Deam.....	81

	Page
Program of the Twenty-eighth Annual Meeting.....	39
Protection of Our Rivers from Pollution, by Jay Craven.....	47
Puff-Balls of Indiana, Some Notes on.....	105
Raccoon Valley, Parke County, Indiana, by Chas. R. Dryer.....	206
Report of the Work in Corn Pollination, by M. L. Fisher.....	87
Rivers of Indiana, Protection from Pollution.....	47
Selenic Acid, New Methods for the Preparation of the Salts of.....	221
Spirogyra, Conjugation of.....	89
Starch, Structure and Diagnostic Value of.....	121
Streptococci from Milk and the Human Throat, Biometric Study of....	155
Structure and Diagnostic Value of the Starch Grain, by R. B. Harvey..	121
Terraces of the Wabash Valley in Parke, Vermillion and Vigo Counties, by Chas. R. Dryer.....	191
Water Supply of Indiana, by H. E. Barnard.....	43
Wood, Penetration of by Zinc Chloride.....	149