

INDEX

- Agrionidae in Indiana, 179.
Alaoglu, Leon, 144.
Algebraic or transcendental equations, method for solution of, 144.
Allen, F. J., 116.
Amphisbaenids, osteology of skull of, 158.
Amines, identification of, 119.
Anaerobic bacteria, 30.
Anderson, Dorcas J., 153.
Androgen treated baby chicks, 155.
Animal parasites, significance of studies of life histories of, 159.
Anode polishing, 130.
Anoxic survival, 157.
Antiserum for epidemic influenza, 50.
Artin, Emil, 144.
Avogadro's number, experiment for freshmen, 116.

Bactericidins of fowl, 29.
Bacteriology abstracts, 28.
Bacteriology, Section on, 28.
Black, Homer Francis, 1.
Blanchard, William Martin, 2.
Bolanovich, Daniel J., 150.
Botany abstracts, 72.
Botany, Section on, 72.
Bowmanites, Paleozoic, 72.
Breeze, Frederick John, 3.
Breneman, W. R., 153.
Brother Raphael, 12.
Bryophytes, studies in Indiana, 96.
Butler University, Bacteriology at, 55.

Cable, R. M., 159.
Campbell, Barbara K., 117, 119.
Campbell, Kenneth N., 117, 119.
Cercaria, furcocercous of Vivax type, 153.
Cercaria loossi, in annelid, 156.
Chemistry abstracts, 116.
Chemistry, Section on, 116.
Clostridia, iron and riboflavin, 29.
Committees for 1943, v.
Cooper, R. H., 154.
Coulter, Stanley, 4.
Cross, A. T., 72.
Cuscuta, stomata in, 100.

Degering, Ed. F., 122.
Delbrück, M., 28.
DePauw University, Bacteriology at, 57.

Directional tests for educational guidance, 150.
Divisional chairmen, 1943, v; 1944, xiii.
Dorsch, Margaret, 12.
Editor and publication of Proceedings, ix.
Electron microscope and biological research, 53.
Endocrine experimentation, factorial design for, 153.
Entomologists Meeting, xiv.
Epidemic influenza vaccine and antiserum, 50.
Ervin, Robert F., 62.
Evolutionary Processes, Rates of, 14.
Executive Committee, Minutes, viii.

File, Quentin W., 149.
Fisher, Martin Luther, 6.
Fowl bactericidins, 29.
Fractions, continued, analytic theory of, 144.
Friesner, Ray C., 72.
Functions, elementary, 144.

Gangrene organisms, 30.
Gantz, E. St. Clair, 117.
General Session, Minutes, xiii.
Geology and Geography, Section on, 139.
Giese, John, 144.
Ginkgo biloba, leaf spot of, 78.
Girton, Raymond E., 73.
Golomb, M., 144.
Gould, George E., 165.
Green, D. B., 146.
Grignard reaction as applied to student preparations, 134.
Guard, A. T., 75.

Headlee, C. R., 147.
Headlee, William Hugh, 154, 172.
Herre, Albert W. C. T., 81.
Hessler, Robert, 7.
Hiestand, William A., 155, 157.
Hughes, Edward J., 117.

Immune sera for *paramecium aurelia*, 47.
Indiana, Agrionidae in, 179.
Indiana bryophytes, 96.
Indiana counties, changes in population of, 139.

- Indiana crops and chemurgy, 117.
 Indiana, human intestinal parasite infections in, 154, 172.
 Indiana, insect pests of cucurbit crops in, 165.
 Indiana lichens, 81.
 Indiana plant distribution records, iv, 1943, 105.
 Indiana species of Agrionidae, 179.
 Indiana University, Bacteriology at, 59.
 Insect pests of cucurbit crops in Indiana, 165.
 Intestinal parasite infections in humans in Indiana, 154, 172.
 Iron, riboflavin and clostridia, 29.
- Jamieson, W. A., 28.
 Junior Academy of Science, xxi.
 Just, Theodor, The rates of evolutionary processes, 14.
- Kerr, W. A., 148.
 King, S. Joan, 117.
 Kirkpatrick, Forrest H., 150.
- Lethal temperature of insects, determination of, 186.
 Library committee, report of, x.
 Lichens known from Indiana, 81.
Liriodendron tulipifera L., development of seed of, 75.
 Luria, S. E., 28.
- McClung, L. S., 29, 30, 47, 59.
 Marczynski, Valentine, 12.
 Martin, Lillian Jane, 9.
 Martin, W. E., 156.
 Massasauga rattlesnake, 154.
 Mathematics abstracts, 144.
 Mathematics, Section on, 144.
 Mathers, Frank C., 130.
 Mice, domestic, social behavior, range and territoriality of, 188.
 Minutes of Executive Committee, viii.
 Minutes of General Session, xiii.
 Mizelle, John D., 177.
 Montgomery, B. Elwood, 179.
 Mother Mary Verda, 12.
 Mullison, Wendell R., 73.
 Mushrooms, gilled, card game, 73.
- Necrology, 1.
 New members, xv.
 Nitrogen peroxide, reactions with organic compounds, 118.
 Noland, Jerre L., 186.
 Notre Dame, University of, Bacteriology at, 62.
- Officers for 1943, v; 1944, xiii.
 Oxygen in organic compounds, detection of, 117.
- Pain studied with conditioned reflex technique, 147.
 Palmer, C. M., 55.
Paramecium aurelia, immune sera for, 47.
 Para-methoxyphenylisothiocyanate, reagent for amines, 119.
- Past officers, xvii.
 Patelski, S. Joela, 119.
Periplaneta americana, 186.
 Physics, Section on, 146.
 Plant physiology, chronological chart, 73.
- Polyhedra, irregularly regular, 144.
 Porter, C. L., 73, 78.
 Powell, H. M., 50.
 Presidential Address, 14.
 Psychological program in industry, 147.
 Psychological research in industrial music and plant broadcasting, 148.
 Psychology abstracts, 147.
 Psychology, Section on, 147.
 Purdue University, Bacteriology at, 66.
- Quail, social behavior of captive bob-white, 157.
 Quantitative analysis, fundamental techniques of, 117.
- Rates of Evolutionary Processes, 14.
 Rectified wave, physical versus mathematical components of, 146.
 Reece, Dorothy, 148.
 Relative electronegativity iv. Empirical rule as teaching tool, 122.
 Remmers, H. H., 149.
 Reyniers, James A., 62.
 Riboflavin, iron and clostridia, 29.
 Ricks, Robert E., 130.
 Riebsomer, J. L., 118.
- Saunders, Allen, 29.
 Schnetzler, E. E., 29.
 Scott, Dorothy L., 73, 74.
 Scott, J. P., 188.
 Seitner, Philip C., 156.
 Shenk's woods, 72.
 Spermatophytes, pollen-grain structure in classification of, 74.
 Spring Meeting 1943, xiv.
 Stullken, Donald E., 155, 157.
 Sulfa drugs and virus, 28.
 Supervisory quality in industry, measurement and evaluation in, 149.
- Table of contents, iii.
 Taxonomists Meeting, xiv.

- Test, Louis Agassiz, 11.
Tetanus organisms, 30.
Tetraonchinae, size variations in, 177.
Tetrault, P. A., 66.
Tomato plants, nitrogen sources and mineral deficiencies, 73.
Treasurers report, ix.
Trematodes, digenetic, 159.
Trexler, Philip C., 62.
Trustee, report of Academy, viii.

United States Employment Service, psychological devices of, 148.

Vaccine for epidemic influenza, 50.
Virus and sulfa drugs, 28.
Viruses and temperature, 28.

Visher, Stephen S., 139.
Vogel, Howard H., 157.
Wabash College, Bacteriology at, 61.
War-time immunization, 28.
Weiss, Lucile J., 53.
Welch, Winona H., 96.
Welcher, Frank J., 134.
Wetzell, Marion, 144.
Whelan, Kenneth, 134.
Winter Meeting, 1943, Program, vii.

Xiphidiocercaria of *virgula* group, 156.
Yuneker, T. G., 57, 100.

Zangerl, Rainer, 158.
Zoology abstracts, 153.
Zoology, Section on, 153.



