INDEX TO VOLUME 70

Acid Mine-drainage Problem of the Patoka River Watershed, Southwestern Indiana, book review of, 217
A Contribution toward a Bibliography of Ohio Zoology, book review of, 62
A Flora of North America: Containing Abridged Descriptions of all the Known, Indigenous and Naturalized Plants Growing North of Mexico; Arranged According to The Natural System, 198
Agricultural pollution, 50
Alaska, snow-bank kames in, 107; leafhopper beneath icy tides of, 111
Albuginaceae (fungi) of Ohio, 218
Algae, Bangia atropurpurea, in western Lake Erie, 56; species along shore of western Lake Erie, 257; species in upper Cuyahoga River system, 295
Archaeological studies, of Ohio fluted points, 352
Aspidobothrean trematodes in Ohio mussels, 335

Bangia atropurpurea, in western Lake Erie, 56
Bass Islands Formation, 1
Beaches, ancient, of northwestern New York, 78
Beavers, use of woody plants by, in Ohio, 123
Bedrock, of Bass Islands, 1
Bedrock Geology of the Madeira Quadrangle, Hamilton and Clermont Counties, Ohio, book review of, 319
Behaviour, of grackles, 284
Behrman, E. J., book review by, 256
Berg, Clifford O., 146
Berry, Richard Lee, 128
Biographical sketches, index to all in Academy publications, 246
Blackbirds, study of repeats at decoy trap, 162
Blackwell, Will H., Jr., 346
Book Reviews
Acid Mine-drainage Problem of the Patoka River Watershed, Southwestern Indiana, by Don M. Corbett, reviewed by Jane L. Forsyth, 217
A Contribution toward a Bibliography of Ohio Zoology, by David Gerrick, reviewed by Barry Valentine, 62
A Flora of North America: Containing Abridged Descriptions of all the Known, Indigenous and Naturalized Plants Growing North of Mexico; Arranged According to the Natural System, by John Torrey and Asa Gray, reviewed by Ronald L. Stuckey, 198
Bedrock Geology of the Madeira Quadrangle, Hamilton and Clermont Counties, Ohio, by Robert H. Osborne, reviewed by Ohio Division of Geological Survey, 319
Environmental Geology: Conservation, Land-use Planning, and Resource Management, by Peter T. Flawn, reviewed by Garry D. McKenzie, 379
Introduction to Microfossils, by Daniel J. Jones, reviewed by Walter C. Sweet, 319
Lewis and Clark: Pioneering Naturalists, by Paul Russell Cutright, reviewed by George W. White, 192
Lichens of Ohio. Part 2. Fruiticose and Cladoniform Lichens, by Conrad J. Taylor, O.F.M., reviewed by Emanuel D. Rudolph, 191
"Noble Fellow" William Starling Sullivant, by Andrew Denny Rogers III, reviewed by James R. Rastorfer, 255
Optical Rotatory Dispersion of Proteins and Other Macromolecules, by B. Jirgensons, reviewed by E. J. Behrman, 256
Ore Deposits as Related to Structural Features, edited by W. H. Newhouse, reviewed by George E. Moore, Jr., 380
Physics in My Generation: A selection of papers, by Max Born, reviewed by T. Z. Fullmer, 379
Polar Secrets: A Treasury of the Arctic and Antarctic, edited by Seon Manley and Gogo Lewis, reviewed by Garry D. McKenzie, 320
Practical Work in Elementary Astronomy, by M. G. J. Minnaert, reviewed by Alfred B. Garrett, 128
Strength and Structure of the Earth, reviewed by Colin Bull, 38
The Biological Aspects of Water Pollution, by Charles E. Wilber, reviewed by Clarence E. Taft, 106
The Apparatus of Science at Harvard 1755-1800, by David P. Wheatland, assisted by Barbara Carson, reviewed by Emanuel D. Rudolph, 63
The Subsurface Silurian-Devonian "Big Lime" of Ohio, reviewed by Ohio Division of Geological Survey, 318
The Pocket Encyclopedia of Plant Galls in Colour, reviewed by C. Wayne Ellett, 237
Decarboxylation of trichloracetic acid, reviewed by J. H. Mercer, 161
Cutright, Paul Russell, review of book by, 192
Cuyahoga River, algae of, 205
Eastin, Rene', 170
Edwards, William M., 50
Ellett, C. Wayne, 218; book review by, 237
Environmental quality, the search for, 199
Eutrophication of Dollar Lake, northeastern Ohio, 191
Ewing, Keith L., 306
Faure, G., 170
Finger Lakes, New York, mollusca of, 146
Fishe1, D. L., 371
Fishes, of Lake Erie, 65; walleyes in Hoover Reservoir, 314
Flanagan, J. Patrick, 300
Flawn, Peter T., review of book by, 379
Florence Valley, an abandoned stream valley, 341
Florida, new species of leafhopper from, 304
Fluorenes, syntheses of 2,7-bis(acetamido)-fluorenes, 371
Fluted points, statistical analysis of, 352
Forbey, Jane L., 180; 310; book review by, 217
Freytag, Paul H., 304
Carson, Barbara, review of book contributed to by, 63
Chantell, Charles J., 120
Chile, new species of leafhopper from, 118
Chromosome number of Stilus suave, 122
Cicadellidae, Alaska form living beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304
Cladonyx insulata, influence of light and temperature on, 233
Color preferences of mud crab, 115
Columbus, Ohio, seasonal variation in solute content of Olentangy and Scioto Rivers at, 170
Compositae, monograph of Silphium compositum, 220
Cooke, G. Dennis, 150
Cooke, Wm. Bridge, 129
Corbett, Don M., review of book by, 217
Cotton, C. A., review of book (reprint) by, 161
Crab, xanthid mud, color preferences of, 115
Crotalus remains from Ohio, 120
Daly, Reginald Aldworth, review of book (reprint) by, 38
Dambach, Charles A., 199
Darlington, Arnold, review of book by, 237
Decarboxylation of trichloracetic acid, 97
Dehydrogenases, effects on mouse testes, 306
DeLong, Dwight M., Ill; 118
Deterioration of human gene pool, 193
Dollar Lake, northeastern Ohio, eutrophication of, 150
Drosophila melanogaster, genetics of a mutant in, 305
Downing, Rachel Cox, 257
Dutt, Ashok K., 321
Eastin, René, 170
Edwards, William M., 50
Ellett, C. Wayne, 218; book review by, 237
Environmental quality, the search for, 199
Eutrophication of Dollar Lake, northeastern Ohio, 190
Ewing, Keith L., 306
Faure, G., 170
Finger Lakes, New York, mollusca of, 146
Fishe1, D. L., 371
Fishes, of Lake Erie, 65; walleyes in Hoover Reservoir, 314
Flanagan, J. Patrick, 300
Flawn, Peter T., review of book by, 379
Florence Valley, an abandoned stream valley, 341
Florida, new species of leafhopper from, 304
Fluorenes, syntheses of 2,7-bis(acetamido)-fluorenes, 371
Fluted points, statistical analysis of, 352
Forbey, Jane L., 180; 310; book review by, 217
Freytag, Paul H., 304
Fruit moth, oriental, economic aspects and control of, 58
Fuller, June Z., review of book by, 128; book review by, 379
Fungi, in sewage treatment, 129; Peronosporales of Ohio, 218; human-pathogenic, in soils of central Ohio, 291
Gallicchio, Vincent, 319
Garrett, Alfred B., book review by, 128
Gene pool, human, deterioration of, 193
Genetics of a mutation in Drosophila, 365
Geology, Silurian Bass Islands Formation, related to Natural Vegetation Map of Ohio, 180
Gerberg, Gary, 115
Gerrick, David, review of book by, 63
Giltz, Maurice L., 162
Glacial lakes, of northwestern New York, 78
Grackles, pair formation, nest building, and egg laying of, 284
Grapholitha molesta, economic aspects and control of, 58
Gray, Asa, review of book by, 198
Great Britain, regional planning in, 321
Harman, Willard N., 146
Harrold, Lloyd L., 50
Henry, Dale B., 123
Herdendorf, Charles E., review of book by, 364
Hole, Thornton J. F., 341
Homoptera, Alaskan form living beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304
Hoover Reservoir, walleyes in, 314
Horseshoe crabs, young, movements of, 276
Human gene pool, deterioration of, 193
Illinoian molluscan fauna, from Kansas, 39
Introduction to Microfossils, book review of, 319
Jamacerus, new species of, from Florida, 304
Jirgensons, B., review of book by, 256
Jones, Daniel J., review of book by, 319
Kennedy, Robert L., 150
Kishler, Jack, 56
Kletecka, G., 371
Kurup, P. V., 291
Lake Erie, Bangia atropurpurea in, 56; fishes of, 65; western, shoreline algae of, 257
Lace, William E., 97
Leach, Paul, 319
Leafhopper, Alaskan, that lives beneath icy tides, 111; new species from Chile, 118; new species from Florida, 304
Lebanon, fungi in sewage-treatment plant of, 129
Lessler, Milton A., 300
Levinson, A. A., review of book edited by, 380
Lewis and Clark: Pioneering Naturalists, book review of, 192
Lewis, Gogo, review of book edited by, 320
Light, influence of, on Clemmys insculpta, 233
Limulus, young, movements of, 276
Loxosceles in Ohio, 128
Lung fluke, in feral Ohio mink, 319
Lythraceae, of Ohio, 346
Macrosteles, Alaskan leafhopper that lives beneath icy tides, 111
Mahr, August Carl, obituary of, 245
Manley, Seon, review of book edited by, 320
Maxwell, George R., 11, 284
McConnell, Duncan, book review by, 380
McKenzie, Douglas H., 352
McKenzie, Garry D., 107; book review by, 320, 379
Mercer County, postglacial environment of a kettle in, 310
Mercer, J. H., book review by, 161
Miami County, rattlesnake remains from, 120
Mice, effects of dehydrogenases on testes of, 306
Miller, Barry B., 39
Mink, lung fluke in, 319
Minnaert, M. G. J., review of book by, 57
Mollusca, of New York Finger Lakes, 146; fauna from Illinoian of Kansas, 39; parasites in, 335
Moore, George E., Jr., book review by, 380
Morphometry of Dollar Lake, northeastern Ohio, 150
Moth, oriental fruit, economic aspects and control of, 58
Mouse testes, effects of dehydrogenases in, 306
Muralidhara, R., 371
Mussels, Ohio, parasites in, 335
Newhouse, W. H., review of book edited by, 380
New York, northwestern, ancient beaches and glacial lakes of, 78; mollusca of Finger Lakes of, 146
“Noble Fellow” William Starling Sullivant, book review of, 255
Nullamia, new species of, from Chile, 118
Obituaries, index to all in Academy publications, 246
The Ohio Academy of Science, officers and committees, 238; Necrology, 239; index to all biographical sketches and obituaries in publications of, 246
Ohio Division of Geological Survey, book review by, 318, 319, 364
Ohio Journal of Science, list of reviewers, 64
Olentangy River, seasonal variation in solute content of, 170
Oleander Shale, age of and stratigraphy, 202
Optical Rotatory Dispersion of Proteins and Other Macromolecules, book review of, 256
Ore Deposits as Related to Structural Features, book review of, 380
Oriental fruit moth, economic aspects and control of, 58
Osborne, Robert H., review of book by, 319
Owens, Gordon L., review of book by, 318
Paragonimus, in feral Ohio mink, 319
Parasites, in lungs of feral Ohio mink, 319; in Ohio mussels, 335
Peronosporaceae (fungi) of Ohio, 218
Physics in My Generation. A selection of papers, book review of, 370
Pinckney, Elise, review of book by, 378
Planning, regional, in Britain and The Netherlands, 321
Plant water potential, measurement of, 34
Plants, used by beavers in Ohio, 123; Lythraceae of Ohio, 346
Pleistocene, molluscan fauna of, from Kansas, 39; beaches and glacial lakes of northwestern New York, 78; Pleistocene history of a small kettle in Mercer County, 310
Polar Secrets: A Treasury of the Arctic and Antarctic, book review of, 320
Pollution, agricultural, 50
Postglacial environment of a small kettle in Mercer County, 310
Practical Work in Elementary Astronomy, book review of, 57
Principles of Animal Behavior, book review of, 33
Proceedings of the Apollo II Lunar Science Conference, book review of, 380
Putnam, L. S., book review by, 33
Rastorfer, James R., book review by, 255
Rats, controlled phenylhydrazine-induced reticulocytosis in, 300
Rattlesnakes, timber, remains from Ohio, 120
Redmond, Charles E., 341
Regional Planning, in Britain and The Netherlands, 321
Reticulocytosis, phenylhydrazine-induced, in rats, 300
Rhabdorhaphes, color preferences of, 115
Rhodes, Russell G., 295
Rings, Roy W., 58
Roark, Terry P., book review by, 57
Rogers, Andrew Denny, III, review of book by, 255
Ronneberg, Conrad E., 97
Rudolph, Emanuel D., book review by, 63, 191, 378
Sandahl molluscan fauna, 39
Schmitt, J. A., 291
Schwartz, Frank J., 115
Scioto River, seasonal variation in solute content of, 170
Sewage treatment, fungi in, 129
Silphium compositum, monograph of, 226
Silurian, Bass Islands Formation, 1
Sir Humphry Davy's Published Works, book review of, 128
Silurian fauna, chromosome number of, 122
Smith, Dwight L., 245
Snow-bank kames, in Alaska, 107
Sparling, Dale R., 1
Spider, Loxosceles, in Ohio, 128
Soils, in central Ohio, human-pathogenic fungi of, 291
Stizostedion (walleyes) in Hoover Reservoir, 314
Stratigraphy of Olentangy Shale, 202
Stream capture, of Florence Valley, 341
Stromberg, Paul C., 335
Stuckey, Ronald L., 246; book review by, 198
Sweet, Walter C., book review by, 319
Swimming, observed in young horseshoe crabs, 276
Taft, Clarence E., 56; book review by, 106
Taub, Stephen H., 314
Tavolga, William N., review of book by, 33
Taylor, Conan J., O.F.M., review of book by, 191
Temperature, influence of, on Clemmys insculpta, 233
Terzis, Anthony J., 295
The Apparatus of Science at Harvard 1755–1800, book review of, 63
The Biological Aspects of Water Pollution, book review of, 106
The Netherlands, regional planning in, 321
The Pocket Encyclopedia of Plant Galls in Colour, book review of, 237
The Subsurface Silurian-Devonian “Big Lime” of Ohio, book review of, 318
Thomas and Elizabeth Lamboll: Early Charleston Gardiners, book review of, 378
Tillman, John R., 202
Timber rattlesnake remains from Ohio, 120
Tissue-immersion methods, for measurement of plant water potential, 34
Trap, study of blackbird repeats at, 162
Tucker, Thomas R., 314
Turtles (Clemmys insculpta), influence of light and temperature on, 233
Urban, Donald R., 310
Valentine, Barry, book review by, 63
Van Meter, Harry D., 65
Vegetation Map of Ohio, geology related to, 180
Vanard, Carl E., 128
Venation, mutation in Drosophila, 365
Vertebrate remains from Miami County, 120
Volcanoes as landscape forms (reprinted), book review of, 161
Vosatka, E. D., 276
Walleyes in Hoover Reservoir, 314
Water, in plants, measurement of potential, 34
Water Masses and their Movements in Western Lake Erie, book review of, 304
Wheatland, David P., review of book by, 63
White, George W., book review by, 192
Wilber, Charles G., review of book by, 106
Xanthid mud crab, color preferences of, 115