

AUTHOR INDEX TO VOLUME 91

- Anderson, R.J., 159
 Anderson, T.D., 146
 Angle, M.P., 83
 Arscott, T.G., 191
- Bart, J., 186
 Bellisari, A., 129
 Beuerlein, J.E., 191
 Boettcher, S.E., 122
 Boyd, R.C., 148
 Bugliosi, E.F., 209
- Camp, M.J., 27
 Chang, S.S., 146
 Clapham, W.B., Jr., 199
 Conover, J.H., 163
 Coogan, A.H., 35
- Dayner, D.M., 118
 Dean, S.L., 2
 Deitchman, R., 182
 Dzik, A.J., 134
- Forsyth, J.L., 2, 77
- Galloway, M.S., 167
 Gande, R.N., 182
- Harmon, R.S., 112
 Hatfield, C.B., 27
 Heath, R.T., 184
 Henry, J.J., 148
 Hummer, J.W., 154
 Hummon, W.D., 167
- Javadi, M., 191
 Jezerinac, R.F., 108
 Johansen, J.R., 118
- Kalisz, P.J., 122
 Knoke, J.K., 159
 Kulander, B.R., 2
- Lacki, M.J., 154
 Larsen, G.E., 69
 Louie, R., 159
 Lowell, T.V., 16
- Majoras, J.J., 35
- Olive, J.H., 112
 Opdycke, G., 195
- Rudolph, E.D., 104
 Rupp, R.F., 16
- Schumacher, G.A., 56
 Seibert, H.C., 163
 Shrake, D.L., 49, 56
 Snow, R.S., 16
 St. John, F.L., 172
 Stanley, T.R., Jr., 186
 Storck, R.J., 90
 Strobel, M.L., 209
 Swinford, E.M., 56
 Szabo, J.P., 90
- Tipton, R.M., 2
- Webster, H.J., 154
 Wells, N.A., 35

INDEX TO VOLUME 91

- A horizon, 123
 abscission, 194
 Acadian orogeny, 212
Acanthoclema ohioense, 33
Acer
 rubrum, 125
 accharum, 125
Achnanthes
 linearis (W. Sm.) Grun., 120
 marginulata Grun., 120
 acid mine-polluted water, 167
 acid seepage, 167
 acidosis, 170
 Adams County, OH, 59, 122
 Adaptation to Acid Mine Waters, 167-171
 adhesive-coated cards, 159
 aerial photographs, 149
 aeromagnetic map, 51
 aerophilic species, 118
 Africa Run, 108
 Africa, 130
 African-American, 130
 airborne toxics, 207
 akinetes, 119
 Akron Water Pollution Control Station (WPCS), 112
 Akron, OH, 90, 112
 Alexandria soil, 77
 algae, 118
 algal
 flora, 118
 taxa, 118
 Alleghenian orogeny, 209
 Allegheny Formation, 72
 Allegheny Group, 71
 Allegheny Group, Lower, 90
 Allegheny Plateau, 86
 Allen County, OH, 203
 alpha diversity, 154
 Altonian substage, 88
 Alum Creek, 108
 aluminum, 167
 "*Ambocoelia umbonata*", 32
 American Aggregates Corporation, 49
 American Commission on Stratigraphic Nomenclature, 74
 American, 129
 Ames marine zone, 70
 amino acids, 193
 ammonium nitrate, 192
 amphibians, 163
Andropogon
 gerardi, 124
 scoparius, 124
 anhydrite, 214
 annelids, 30
Anomoeoneis vitrea (Grun.) Ross, 120
 Anse des Fèves, 195
 ants, 164
 apoplastocyanin, 193
 Appalachia, 135
 Appalachian
 coal region, 69
 orogen, 46
 Appalachian Basin, 74, 47, 212
 Appalachian Plateau, 80, 169
 Appalachian Plateaus Province, 118
 Kanawha Section, 123
 Appalachians, 213
 aquatic
 biota, 112
 ecosystems, 112
 habitat, 118
 organisms, 113
 aqueous treatment plants, 203
 Arachnida, 165
 araphid valve, 120
 "Areas of Concern," 112
 arenite, 53
 argillaceous limestone, 30, 61
 arkose, 51
 Arnheim formation, 56
 Arnold, OH, 85
Arthroacantha carpenteri, 33
 Ashland County, OH, 86
 Ashley, OH, 148
 Ashlock Formation, 63
 Asia, 129
 Asian-American, 130
 Athens County, OH, 73, 163
 Athens, OH, 163, 167
Athyris, 34
 Atlantic Coastal Plain (Tidewater), 134
Atrypa, 31
 costata, 34
 Auglaize County, OH, 108
 Auglaize River, 78, 108
Aulocystis, 32
 auloporoids, 32
Avena sativa L., 159
 azimuths, 149
- B3 horizon, 80
 bagworms, 164
- bahia grass, 159
 Ball State University, 16
 Department of Geology, 16
 Barletts Run, 110
 Barren Group, Lower, 70
 Barren Group, Upper, 70
 Barren Measures, Lower, 72
 Bass Island Group (Late Silurian), 211
 Bath Road Station, 112
 bats, 157
 Bean Creek, 195
 beaver, 155
 Bedford Falls, OH, 35
 Bedford Shale, 35
 bedrock wells, 212
 bedrock, 167
 geology, 108
 topography, 90
 Bell County, KY, 65
 Bell Shale of Michigan, 27
 Bellefontaine Devonian Outlier, 79
 Bellefontaine Outlier, 86
 Bellefontaine Till, 77, 87
 Bellepoint Member, 17, 118
 Bellevue Limestone, 56
 Bellevue Member, 56
 Bellevue, OH, 3
 Belmont County, OH, 69
 benthic
 invertebrates, 116
 macrofauna, 168
 macroinvertebrates, 113
 species diversity, 167
 benthic invertebrate surveys, 114
 benthonic fossils, 30
 Berea Sandstone outcrops, 35
 Berea Sandstone, 35
 Berkey Member, 31
 beta diversity, 154
 Bethlehem Township, OH, 92
 Big Four Creek, 167
 "Big Lime," 209
 "Big Water," 210
 biofilms, 116
 Birmingham Quarry, 46
 Bisher Dolomite, 123
 Black River Group, 50
 Black River Valley, 35
 Black River, 35
 Black Swamp, 7
 black willow, 157
 blackberry, 157

- blackfaced leafhopper, 159
Blarina brevicauda, 155, 164
 blastoids, 30
 Bloomington till, 77
 Bloomington, IN, 16
 blow flies, 165
 "Blue Hole," 2
 bluestem
 big, 124
 little, 124
 bobcat, 186
 Boise, ID, 163
 Bokes Creek moraine, 86
 Bold's Basal Medium, 118
Bombus, 164
 Book Reviews
 A Short Guide to Writing about Biology, 139
 A Short Guide to Writing about Film, 140
 A Short Guide to Writing about History, 141
 A Short Guide to Writing about Literature, 141
 A Short Guide to Writing about Social Science, 142
 Balancing on the Brink of Extinction: The Endangered Species Act and Lessons For the Future, 217
 Climate Change and U.S. Water Resources, 143
 Darwin Without Malthus: The Struggle for Existence in Russian Evolutionary Thought, 175
 Digital Signal Processing: Applications to Communications and Algebraic Coding Theories, 174
 Far More Graphic Graphics. Slidewriter® Plus: The Presentation Graphics Solution Version 3, 217
 Flowering Plants: Nightshades to Mistletoe, 177
 Molecular Cell Biology, 219
 Molecules to Models: Advances in Neuroscienc, 143
 Mountain Environments: An Examination of the Physical Geography of Mountains, 98
 Principles of Geology, 218
 The Cambridge Illustrated Dictionary of Natural History, 177
 The Pinnipeds: Seals, Sea Lions, and Walruses, 176
 The Politics of Evolution: Morphology, Medicine, and Reform in Radical London, 216
 The Universe in Time, 174
 The Visual Display of Quantitative Information, 218
 Volcanoes, 98
 Boone County, KY, 52
 Bouguer gravity map, 51
 Bowling Green fault zone, 2
 Bowling Green fault-Lucas County monocline, 3
 Bowling Green State University, 2, 77
 Department of Geology, 2, 77
 Bowling Green, OH, 2, 77
 Bows Fork, 110
 box trap, 148
 BPB Instruments, Inc., 50
 brachiopods, 19, 30, 212
 chonetid, 19
 strophomenid, 19
 Brandywine Creek, 112
Brevispirifer lucasensis, 34
 briars, 148
 brines, 209
 Broadway Moraine, 83
 Brominal, 192
 bromoform, 124
 Brookville coal, 71
 Brookville formation, 57
 Brown County, OH, 57
 Brush Creek marine zone, 70
 Bryan, OH, 195
 bryozoa, 30
 cryptostomatous, 33
 massive, 30
 ramose, 30
 Buck Hill moraine, 90
 Buckeye Lake, 108
 buckthorn, 124
 Buffalo, NY, 8
Bufo sp., 164
 americanus, 164
 fowleri, 164
 bulk chemical analysis, 113
 Bull Fork Formation, 62
 Burning Springs anticline, 213
 Butler County, OH, 52, 57, 172

 Cabin Creek Channel, 47
 Caesar Till, 77, 87
 "Calcareo-Silicious Rock," 70
 calcareous shale, 30, 61
 calcite, 53, 90
 calcium carbonate, 113, 118, 134
 calliphorids, 165
Camarotoechia, 32
 cambarid, 170
Cambarus
 bartonii cavatus (Hay) (Decapoda: Cambaridae), 167
 (*Cambarus*) *bartonii cavatus*, 108
 (*Lacunicambarus*) *diogenes*, 108
 (*Puncticambarus*) *robustus*, 108
 robustus, 169
 Cambrian, 50
 Cambridge arch, 214
 Camden, OH, 173
 Campbell County, KY, 52
 Canadian Shield, 10
 canids, 188
 canopy photosynthesis, 194
 Cantley, Quebec, CAN, 21
 Canton, OH, 90, 113, 206
 CAP Technical Reference Manual, 203
 Capacity Assurance Program (CAP), 199
 Carbonate Rock Newburg Zone in Ohio, 209-215
 carbonate
 bedrock, 87, 209
 petrology, 16
 carbonate aquifer system, 210
 carbonate buffering capacity, 167
 carbonates, 93, 124, 167
 Carboniferous Conglomerate, 71
 Carboniferous-Permian, 213
Cardinalis cardinalis, 164
 cardiovascular disease, 134
Carduus nutans, 9
 career choices
 women, 129
 female gender role expectations, 129
 carrion feeders, 165
Carya spp., 125
 Cascade Park Station, 112
 Cascade Park, 36
 Casselman Formation, 74
 Castalia, OH, 2
Castor canadensis, 155
 Catfish Creek Drift, 79
 cations, 127
 cattail, 154
 cave algae, 118
 caves, 118
 cedar, 122
 Cenozoic, 2
 Centennial Notes
 Ecology: The First One Hundred Years, 184-185
 Ohio Geography in the One Hundred Years of The Ohio Academy of Science, 146-147
 One Hundred Years of Plant Science 1891-1991, With an Ohio Perspective, 104-107
 The Ohio Academy of Science and Section M: Growth and Continuity, 182-183
 Centerburg ("soil") till, 80
 "Centerburg" soil, 77
 Centerburg till, 77, 86
 Centerburg, OH, 110
 cephalopods, 30
Cercis canadensis, 125
Ceriodaphnia dubia, 112
 CEROPHYLL®, 113
 cervids, 188
 Chagrin Falls, OH, 35
 Chagrin River, 108
 Champaign County, OH, 83
 Champaign till, 77
 Channeled Scabland, 25
 Cheat River, 168
 chemical industries, 203
 chert, 53
 Chillicothe, OH, 80
 Chilopoda, 165
 China (PRC), 130
 "Chinatown," 134
 Chinese, 129
 chinkapin oak, 124
 Chippewa Creek, 112
Chironomus tentans, 116
Chlorella miniata (Naeg.) Oltm., 119
 chlorophytes, 118
 chloroplasts, 191
 plastocyanin concentrations, 191
 chronostratigraphic units, 73
Chrysemys picta, 164
 chrysomelid, 164
 chrysophytes, 118
 cigar-headed ridge (CHR), 16
 Cincinnati Arch, 2
 Cincinnati group, 50
 Cincinnati Museum of Natural History, 122
 Cincinnati, OH, 16, 49, 56, 203
 Clark County, OH, 51
 clastic ratios, 56
 clastics, 93
 clay, 90, 116, 127
 Clean Air Act, 207
 Clean Water Act, 207
 Clermont County, OH, 57, 207
 Cleveland Heights, OH, 80
 Cleveland Shale, 35
 Cleveland State University, 199
 Department of Geology, 199
 Cleveland, OH, 40, 112, 199, 210
 Clinton County, OH, 59
 Clinton Formation, 210
 CLUSTRAN®, 38
 Clyde, OH, 2
 cnidarian, 30
 Coal Measures, 69
 Coal Measures, Lower, 70
 Coal Measures, Upper, 70
 Coal Series, Lower, 70
 Coal Series, Upper, 70
 coal, 135
 miners, 136
 mining, 167
 outcrops, 167
 coccoid green algae, 118
Coccygus americanus, 164
 Code of Stratigraphic Nomenclature, 56
 Coleoptera, 165
 colluvium, 123
Columba livia, 164
 Columbus formation, 118
 Columbus Limestone cuesta, 2
 Columbus, OH, 49, 56, 69, 80, 83, 108, 148, 186, 191, 203, 209
 Compositae, 124
 Computer Oriented Geological Society, 38
 Conemaugh Formation, 72

- Conemaugh Group, 71
 Conglomerate, 71
 Congress, 199
 conifers, 149, 157
 Connecticut Western Reserve, 10
 convex polygon method, 150
 Copper Harbor Conglomerate, 51
 Copper Nutrition in Wheat, 191-194
 copper sulfate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$), 191
 copper, 191
 root-absorbed, 193
 coral, 30
 rugose, 30
 tabulate, 30
 corals, 212
 core hole, 49
 corn, 148, 196
Cornus florida, 125
 Correlation of Logan County Tills, 77-82
 Corryville Formation, 56
 Corryville Member, 56
Coryus brachyrhynchus, 164
 Coshocton County, OH, 154
 Cottontail Habitat Use, 148-153
 cottontail rabbit, 148, 163
 cover type needs, 148
 habitat needs, 148
 habitat use, 148
 hunting areas, 148
 managers, 148
 population maintenance, 148
 radio-tagged, 149
 trapping, 148
 Cove of Beans, 195
 Crawfordsville Till, 77
 Crayfish Population Changes, 172-173
 crayfish, 108, 167, 172
 juvenile, 167
 mortality, 167
 Creek of Beans, 195
 crinoid, 30
 Crique Fève, 195
 Crosby silt loam soil, 191
 crows, 164
 Crustacea: Decapoda: Cambaridae, 172
 crystalline
 grains, 124
 rock, 49
 crystallines, 93
 Cuba Moraine, 78
 Cuyahoga County, OH, 35, 209
 Cuyahoga formation, 90
 Cuyahoga Lobe, 91
 Cuyahoga River basin, 206
 Cuyahoga River Sediment Bioassays, 112-117
 Cuyahoga River, 112
 cyanobacteria, 118
 cyanophytes, 119
 cyclothem concept, 69
 cyclothem classification, 73
Cyrtina, 30
Cystiphyllodes americanum, 33

 D-Vac suction sampler, 160
Dactylis glomerata L., 160
 Darby Drift, 77
 Darby Plains, 83
 Darby Till, 77, 87
 Darke County, OH, 88
 Darton Software, 38
 Dayton, OH, 2, 50, 129, 203
 Decapoda: Cambaridae, 108
 deciduous forests, 122
 deep-well injection, 203
 deer, 165
 populations, 165
 road-kills, 165
 Defense Department, 206
 Defiance End Moraine, 78
 Defiance, OH, 195
 Delaware County, OH, 83, 108, 148
 Delaware Formation, 17

 Delaware Limestone, 29
 Delaware Reservoir, OH, 148
 Delaware Wildlife Area, OH, 148
 Delaware, OH, 80
 Denmark, 130
 desert rodents, 163
 desert seep walls, 118
 detrital pool, 116
 Detroit River Group, 17
 Detroit River, 116
 Devil's Hole Cave, 119
 Devils Lake, MI, 195
 Devonian Columbus Limestone, 16
 Devonian Delaware Limestone, 12
 Devonian limestone, 2, 79
 Devonian Ohio Shale, 78, 123
 Devonian Prout Limestone, 12
 Devonian rocks, 210
 Devonian Shale, 11, 80
 Devonian strata, 27
Devonochonetes, 30
 coronatus, 34
 DGS County Mapping Program, 83
 diamict, 90
 diatom, 114, 118
 flora, 118
 dicots
 herbaceous, 126
Didelphis virginiana, 155, 164
 Dillsboro Formation, 57
Diospyros virginiana, 124
 Diplopoda, 165
 Diptera, 164
 distilled water, 113
 ditch improvement, 195
 Dog Hollow Run, 108
 dolomite mudstone, 214
 dolomite, 78, 90, 118, 122, 209
 granular, 209
 outcrops, 127
 residuum, 126
 soil, 122
 vuggy, 209
 dolomite-shale bedrock, 127
 dolomitic
 limestone, 118
 packstone, 17
 dolomitized fossils, 211
 dolomudstone, 17
 dolowackestone, 17
 dragonfly, 164
 Drakes Formation, 57
 drift mines, 167
 drill bits
 BCQ, 50
 NCQ, 50
 drill cuttings, 212
 drilling logs, 212
 DuBois, PA, 154
 "Duck Pond," 10
 Duluth, MN, 113
Dumetella carolinensis, 164
 Dundee Formation, 29
 Dundee Limestone, 27
 Dunkard Group, 71

 E. Lucy Braun Preserve, 122
 earth crack cave, 118
 earthworms, 164
 East Liberty Quadrangle report, 78
 East Liberty Quadrangle, 77
 East Liberty, OH, 78
 East Liverpool, OH, 208
 Eastern Granite-Rhyolite Province, 52
 Eastern Highlands, 134
 eastern chipmunks, 157
 Eau Claire Formation, 50
 ecdisis, 167
Echinacea purpurea, 124
 Edge of Appalachia Preserve System
 (E-of-A), 122
 edrioasteroid, 30

Elaphe obsoleta, 164
 electron transport system, 194
 electroplating industry, 207
 elm, 163
 Elyria, OH, 35, 203
 Elywood Park, 37
 EPA Probit Analysis Computer Program, 114
 Ephemeroptera, 165
 epilithic
 algal mats, 112
 biological mats, 114
 organisms, 114
Eptesicus fuscus, 164
Eridophyllum, 19
 Erie County, OH, 10, 83
 Erie Lobe, 83, 91
 Erigan River, 2
 ERM, Inc., 201
 ethanol, 124
 Euclid Siltstone, 47
Eunotia exigua (Breb.) Rabh., 120
 Europe, 130
 European-American, 130
Eurycea longicauda, 164
Euryocrinus laddii, 33
 Excello member, 57

 Fabaceae, 124
Fagus grandifolia, 125
 Fairfield County, OH, 108
 Fairview Formation, 56
 Farmersville End Moraine, 77
 Farnsworth Park, 3
Favosites, 19, 34
 felids, 188
Felis catus, 164
Felis concolor, 186
 ferric hydroxide, 167
 fescue sod, 159
Festuca arundinacea Schreb. var.
 Kentucky 31, 159
 field pH kit, 124
 filamentous green alga, 114
 Findlay Arch, 2, 16, 27
 fireflies, 164
Fistulipora vesiculata, 33
 Flat Rock Quarry, 7
 flooded land, 195
 flotation-adhesion technique, 192
 forbs, 122
 Ford Creek, 110
 Fort Meigs, 7
 Fort Wayne, IN, 7
 FORTRAN®, 149
 fossil floral zones, 73
 fossiliferous
 limestone, 61
 shale, 61
 fox, 186
 density, 186
 roadside habitat, 186
 snow track survey, 186
 fracture-induced porosity, 209
 Fragilaria
 leptostauron (Ehr.) Hust., 120
 vaucheriae (Kutz.) Peters., 120
 France Stone Company, 2, 27
 Flat Rock Quarry, 10
 Waterville Quarry, 3
 West Quarry, 27
 France, 130
 Franklin County, OH, 80, 83, 209
Franxinus americana, 125
 Freda Sandstone, 51
 frustules, 118
Frustulia vulgaris (Thwaites) De T., 120
 Fulton County, OH, 195
 fungal infection, 193
 Furnace Run, 112

 gamma diversity, 154
 gamma-ray logs, 214

- Gang Sand and Gravel pit, 93
 gas fields, 209
 gas-yielding rock sequence, 210
 Gastropoda, 30, 165, 212
 Gay-Fink Channel, 47
 Geauga County, OH, 186
 Geography of Hazardous Waste in Ohio, 199-208
 geologic mapping, 56
 geomorphological features, 2
 geophysical logs, 49, 212
 bulk density, 50
 gamma ray, 50
 neutron-porosity, 50
 resistivity, 50
 sonic, 50
 temperature, 50
 three-arm caliper, 50
 verticality, 50
 Georgetown, OH, 57
 German, 137
 Germany (FRG), 130
 germination, 193
Gilbertocrinus obioensis, 33
 Glacial Grooves State Memorial, 16
 Glacial Lakes
 Erie, 7
 Lundy, 27
 Maumee, 7
 Warren, 8, 27
 Wayne, 27
 Whittlesey, 7
 glacial
 deposition, 2
 deposits, 90, 108
 geology, 77, 83
 lake plain, 2
 sediments, 96
 tills, 79
 glacial-lacustrine sediments, 2
 glaciation, 90
 Glenshaw Formation, 74
 glycerine, 172
 golden eagle, 163
 Goose Pond, 195
 Goose Run, 108
Gosseletia triquetra, 34
 grain prices, 196
 grainstone, 17, 62
 Gramineae, 124
Graminella nigrifrons (Homoptera: Cicadellidae), 159
 Grand Forks, ND, 209
 Grand River Lobe, 91
 granite, 51
 granivores, 158
 Grant Lake Formation (Upper Ordovician), 56
 Grant Lake Limestone, 56
 gray fox, 186
 Great Britain, 69
 Great Lakes Basin, 112
 Great Lakes, 88, 213
 Great Miami River, 108
 Great Plains, 134
 "Great Silicious Deposit," 70
 Greene County, OH, 206
 Greenfield Formation, 3
 Grenville Orogeny, 49
 ground water, 209
 groundhogs, 164
 Grove City, OH, 211
 GWBASIC®, 197
 gypsum, 11

 Halocene waterfall, 44
 Hamilton County, OH, 57, 172
 Hamilton Group, 27
 New York, 27
 Pennsylvania, 27
 West Virginia, 27
 Hapludalfs
 Lithic, 123
 Typic, 123
 Hapludults
 Typic, 123
 hare nets, 149
 Harrisburg, OH, 209
 Harrisburg, PA, 148
 Hartford, OH, 110
 Hartz® *Tubifex*, 168
 harvestmen, 164
 Hawaii, 118
 Hayesville Till, 77, 91, 83
 hazardous waste, 199
 Facility file, 200
 generation, 199
 Generator file, 200
 incinerators, 200
 landfills, 201
 management capacity, 199
 Hebron State Fish Hatchery, 108
Heliophyllum balli, 33
Helopora inexpectata, 33
 herb ground cover, 149
 herbaceous, 124
Hercostrophia robusta, 33
 heterocysts, 119
Heterophrentis, 34
 simplex, 33
 Heteroptera, 165
Hexagonaria, 19, 34
 anna, 34
 tabulata, 34
 Highland County, OH, 59
 highway mortality
 invertebrates, 163
 vertebrates, 163
 Hill Quarry Beds, 57
 Hiram ("Late Cary") Till, 79
 "Hiram" Drift Till, 77
 Hiram Drift, 79
 Hiram Till, 77, 83, 91
 Hocking Hills, OH, 118
 Hocking River, 163
 Holocene
 river-gravel, 40
 shoreline erosion, 16
 Homewood sandstone, 71
 Homoptera, 165
 Honey Creek, 110
 Hoytville glacial till, 8
 Hoytville soil, 7
 Hoytville/St. Clair soil, 78
 "hummocky moraine," 80
 Hungarian caves, 119
 Hungary, 119
 Hungry Hollow Formation, 27
 hydrocarbons, 209
 hydrometer, 124
Hyla
 chrysoxcelis, 164
 crucifer, 164
 Hymenoptera, 165

 Iceland, 130
 Idaho, 163
 IHD Geography, 134-138
 Illinoian stage, 88
 Illinoian(?) Millbrook Till, 90
 Illinois Basin, 212
 Illinois, 72, 127, 129
 illuminated intact chloroplasts, 194
 incandescent bulbs, 118
 India, 130
 Indian grass, 124
 Indiana, 7, 16, 51, 56, 79, 210
 INFORM, 201
 injection wells, 203
 Interior Low Plains Province
 Lexington Plain Section, 123
 Internal Revenue Service (IRS), 196
 International Joint Commission (IJC), 112
 invertebrates, 163

 iron precipitate, 167
 iron, 167
 ischemic heart disease, 134
 mortality rates, 136
 Isopoda, 165
 Italy, 130

 jackrabbit, 163
 Jackson County, OH, 211
 Jacobsville Sandstone, 51
 Japan, 130
 Japanese beetle, 164
 Japanese honeysuckle, 123
 Japanese, 129
 Jeffersonville Limestone, 17
 Jelloway Till, 87
 John Carroll University, 118
 Department of Biology, 118
 johnsongrass, 159
 Johnstown Moraine, 78
 Joint County Board of Commissioners, 198
 Joint Patterns of Northern Ohio, 2-15
Juniperus virginiana, 124

 karst features, 2
 Kelleys Island Ferry, 20
 Kelleys Island Glacial Grooves, 16-26
 Kelleys Island State Park, 20
 Kelleys Island, OH, 16
 Kent State University, 35
 Department of Geology, 35
 Kent Till, 91
 Kent, OH, 35
 Kentucky bluegrass, 160
 Kentucky warblers, 164
 Kentucky, 51, 56, 118, 122, 154
 Kepone™, 116
 Killbuck Lobe, 80, 86, 91
 Kjeldahl procedure, 124
 Knightstown Till, 77
 Knox County, OH, 77, 86, 108
 Knox Dolomite, 50
 Knox Lake till, 86
 Korea, 130

 lacustrine sediment, 86
 Lake Erie estuary, 8
 Lake Erie Islands State Parks Office, 20
 Lake Erie, 3, 17, 27, 37, 79, 112, 203
 Lake Hope Mine Drainage Abatement Project, 167
 Lake Hope, 167
 Lake Maumee Beach, 8
 Lake Superior, 51
 Lake Till, 78, 88
 Lake Warren Beach Ridge, 8
 Lake Whittlesey Beach, 8
Lampropeltis triangulum, 164
 Late Precambrian (Keweenawan), 49
 Late Silurian, 209
 Late Wisconsin tills, 77
 Late Wisconsin Navarre Till, 90
 Late Wisconsin tills, 79
 Lavery Till, 91
 Lawson Type II flow tills, 93
 leaf photosynthesis, 191
 leafhopper, 159
 nymphs, 159
 Lebanon, OH, 49
 legumes, 148
Leiobrycon, 32
 kelloggi, 32
 Lemon Township, OH, 52
 Lenawee soil, 7
 Lepidoptera, 165
 Lewis and Clark Caverns, 119
 Lexington Limestone, 50
 Lexington, KY, 122, 154
 LI-Cor (LI-6000) photosynthesis meter, 192
 Liberty Formation, 57
 Licking County, OH, 86, 108, 186, 211
 Licking River Crayfishes, 108-111

- Licking River Watershed, 108
 Licking River, 108
 Lilley Dolomite, 123
 lime, 79
 limestone quarry, 49
 limestone, 90, 118, 209
Liriodendron tupilifera, 125
 lithic
 arenite, 49
 clast, 53
 Lithofacies of the Navarre Till, 90-97
 lithofacies analysis, 56
 lithostratigraphic
 classification, 69
 units, 91
 lithostratigraphy, 56
 Little Cuyahoga River, 112
 Little Miami River, 108
 Lockport Dolomite (Middle Silurian), 210
 loess, 123
 Logan County Interlobate, 79
 Logan County, OH, 77, 83
 Logan formation, 90
Lolium perenne L., 159
 Longyear Hydro-44 rotary coring rig, 50
Lonicera japonica, 123, 149
Lophonychia cordata, 34
 Lorain County, OH, 35
 Lorain, OH, 203
 Lotus 1 2 3^o, 38
 "Lower" Millbrook till, 83
 Lucas County Monocline, 27
 Lucas County, OH, 27
 Lucas dolomite formation, 118
 Lucas Formation, 16
Lynx canadensis, 186
 Lynx Prairie Preserve, 123
Lynx rufus, 186
 Lynx, OH, 123
 lynx, 186
 Lytle, OH, 49
- macrobenthos, 168
 macroinvertebrate stream fauna, 168
 Mahoning coal, 71
 Mahoning River basin, 206
 maize chlorotic dwarf virus (MCDV), 159
 maize, 159
 virus diseases, 159
 malacostracans, 30
 Mammal Communities on Mined
 Lands, 154-158
 Mammoth Cave, 118
 manganese oxides, 91
 manganese, 167
 Manufacturing Belt of the Northeast, 134
 maple, 163
 Marblehead Member, 17
 Marblehead Peninsula, OH, 16
 Marblehead Quarry, 18
 Marblehead, OH, 18
 marcasite, 33
 concretions, 31
 Marcellus Formation, 29
 Marietta River, 170
 marine strata, 27
 Marion County, OH, 83, 148
 Marion, OH, 80
Marmota monax, 154, 164
 Maryland Geological Survey, 72
 Maryland, 201
 Marysville Till, 77
 Marysville, OH, 83
 masked shrew, 157
 Mason County, KY, 59
 Maumee Beach Ridge, 8
 Maumee River, 6, 195
 Mayfield gas field, 209
 Maysville, KY, 56
 McMillan Formation, 56
 meadow vole, 154
 median inhibition concentration (IC50), 114
 median lethal concentration (LC50), 114
 Medina County, OH, 35
Mediospirifer audaculus, 33
 Medusa Portland Cement Company, 27
 North Quarry, 27
 South Quarry, 27
 South-South Quarry, 27
 megagrooves, 16
 megaripples, 38
Megastrophia, 33
 Mehlich 3 extractant, 124
 Meigs County, OH, 211
 meiobenthic Gastrotricha, 167
Melosira, 114
Mephitis mephitis, 155
 mercury, 116
 mesic aeric ochraqualls, 191
 mesic subaerial habitats, 119
 mesophytic forest, 124
 Mesopotamian delta plain, 47
 Mesozoic, 2
 metallic ions, 167
 metals recovery facility, 207
 metasedimentary rock, 49
 methyl mercury, 116
 Miami 6A soil, 77
 Miami 6B soil, 77
 Miami 60 soil, 77
 Miami Lobe, 77, 91
 Miami Whitewater State Forest, 173
 Miamian Soil, 78
 Miamitown Shale, 56
 mica, 40
 Michigan Basin, 3, 27, 212
 Michigan, 7, 17, 27, 51
 microbial mats, 112
 microfauna, 30
 MICRONET[®], 38
 microtopography, 123
Microtus pennsylvanicus, 154
 Midcontinent Rift System, 49
 Middle Devonian (Givetian) Silica
 Formation, 27
 Middle Devonian Columbus Limestone, 2
 Middle Devonian Delaware Limestone, 2
 Middle Devonian Detroit River Group, 28
 Middle Devonian Lucas Dolomite (Detroit
 River Group), 10
 Middle Devonian Traverse Group, 28
 Middle Devonian, 210
 "Middle" Millbrook till, 83
 Middle Paleozoic, 2
 carbonates, 2
 shales, 2
 Middle Run Formation, 49
 Middle Silurian Lockport Group, 3
 Middle Silurian, 209
 midges, 116
 Millbrook Till, 90
 Millbrook, OH, 91
 Miller Blue Hole, 10
 Millsdale soil, 7
 Millstone grit, 69
 mine acid, 167
 mineralogy, 90
 mines, 154
 surface, 154
 water drainage, 154
 mining, 154
 reclamation procedures, 154
 residues, 167
 mink, 157
 Minnesota, 113
 minnow seine, 172
 Miocene Rio Grande rift-fill, 52
 Mississippi, 159
 Mississippian Berea Sandstone, 71
 Mississippian conglomeratic quartzose
 sandstone, 69
 Mississippian Cuyahoga Formation, 71
 Mississippian Delta deposits, 35
 Mississippian sandstone, 80
- Mississippian strata, 90
Moellerina greenei, 19
 Mogadore Till, 92
 molybdenum, 167
 Monongahela Formation, 72
 Monongahela Group, 71
 Monroeville, OH, 11
 Montana, 119
 Montgomery County, OH, 172
Monticulipora molesta, 57
 Moreland oil pool, 210
 Morley-Blount soil, 77
 Morrow County, OH, 80, 86, 92, 108, 148,
 OH, 211
 mosquitoes, 164
 moss
 epiphytes, 118
 protonema, 118
 moths, 163
 Mount Auburn Formation, 56
 Mount Auburn Member, 56
 Mount Liberty ("soil") till, 80
 "Mount Liberty" soil, 77
 Mount Simon Sandstone (Upper Cambrian),
 49
 Mount Simon Sandstone, 50
 Mountain States, 134
 mountain lion, 186
 Mt. Gilead, OH, 92
 Mt. Liberty till, 86
Mucrosphirifer, 30
 prolificus, 33
 mud diapirs, 35
 mudlump, 38
 multiflora rose, 157
 Muncie, IN, 16
 Muskingum County, OH, 69, 108, 154
 Muskingum River, 108
 muskrat, 155
Mustela vison, 155
 mustelids, 154
 myriapods, 164
- Na-hexametaphosphate, 124
 NaOCl, 124
Napaeozapus insignis, 155
 Naphrax resin, 118
 National Science Foundation, 132
 Navarre ("Tazewell") Till, 79
 Navarre Till, 77, 83, 90
 Navarre, OH, 92
Navicula
 contenta f. *biceps* (Arnott) Grunow, 119
 contenta f. *parallela* Peters., 119
 cryptocephala v. *veneta* (K.) Rabh., 120
 tantula Hust., 119
 Nebraska, 163
 Neuman Boat Line, 20
 Neuroptera, 165
 neutral lipophylic organic chemicals, 116
 New Mexico, 52
 New York, 8, 17, 27
 Newark, OH, 50, 108, 172
 Newberry's coal-bed-numbering system, 71
 "Newburg (or Stadler) sand," 210
 Newburg Formation, 210
 Newburg sand water properties
 bicarbonate, 211
 carbonate, 211
 calcium, 211
 chloride, 211
 fluoride, 211
 hydrogen sulfide, 211
 iron, 211
 magnesium, 211
 manganese, 211
 nitrate, 211
 potassium, 211
 silica
 sodium, 211
 sulfate, 211
 Newburg zone (Middle-Upper Silurian), 209

- areal extent, 209
 hydrogeologic characteristics, 209
 permeability, 209
 porosity, 209
 possible origins, 209
 stromatoporoid structures, 212
 Newburg, OH, 210
 newts, 164
 Niagaran sea, 212
 Niagaran Series (Lockport Dolomite), 210
 Niagaran-age reefs, 212
 Nigeria, 130
 nitrogen fertilizer solution, 192
 nitrogen, 124, 193
Nitzschia hantzschiana Rabh., 120
 non-observed effect concentrations
 (NOECs), 112
 nodding thistle, 9
 Nomarski differential interference optics, 118
 non-diatom algae, 118
 North American Commission on Stratigraphic Nomenclature 1983 North American Stratigraphic Code, 57
 North American Stratigraphic Code, 1983, 69
 North Central region, 191
 North Dakota, 186, 209
Nostoc, 118
Notopthalmus viridescens, 164
Nyssa sylvatica, 125
- oak, 122
 white, 128
 oats, 149, 159, 196
Odocoileus virginianus, 154, 164
 Odonata, 165
Oedogonium, 114
 Office of Technology Assessment (OTA), 201
 Ohio (Fish) Survey Party, 110
 Ohio Brush Creek, 108
 Ohio CAP report, 1990, 201
 Ohio Department of Natural Resources (ODNR), 49, 56, 69, 83, 148, 186, 198
 Division of Geological Survey (DGS), 49, 56, 69, 80, 83
 Division of Water, Ground Water Resources Section, 83
 Division of Wildlife, 148
 Ohio Ditch Law, 195
 Ohio Environmental Protection Agency (OEPA), 113, 200
 Ohio EPA 1987 Annual Report, 202
 Ohio Hazardous Waste Facility Board, 208
 Ohio River, 57, 169, 214
 Ohio Shale, 11
 Ohio State University at Newark Crayfish Museum, The (OSUNCM), 172
 Ohio State University at Newark, The, 108, 172
 Department of Zoology, 108, 172
 Ohio State University, The, 77, 108, 129, 159, 186, 191
 Department of Agronomy, 191
 Don Scott Agronomy Farm, 191
 Museum of Zoology, 108
 Ohio Agricultural Research and Development Center, 159
 Department of Entomology, 159
 Department of Plant Pathology, 159
 Ohio Cooperative Fish and Wildlife Research Unit, 186
 Ohio University, 163, 167
 Department of Zoological and Biomedical Sciences, 163, 167
 Museum of Zoology, 163
 Ohio, 2, 16, 27, 35, 49, 56, 69, 77, 83, 90, 108, 112, 118, 122, 129, 134, 148, 154, 159, 163, 167, 172, 186, 191, 195, 199, 209
 Ohio-Indiana Carbonate Bedrock and Glacial Regional Aquifer-System Analysis (RASA), 209
 oil fields, 209
 oil-yielding rock sequence, 210
 Olentangy Till, 77, 88
 Olympus BH2 photomicroscope, 118
 omnivores, 158
Ondatra zibethicus, 155
 Onondaga Formation, 17
 Ontario, CAN, 27, 79
Oporornis formosus, 164
 opossums, 164
 orchardgrass, 159
Orconectes spp., 169
 (*Crockerinus*) *sanbornii sanbornii*, 108
 (*G.*) *immunis*, 108
 (*Gremicambarus*) *virilis*, 108
 (*Procericambarus*) *rusticus*, 108
 (*Procericambarus*) *rusticus* (Girard), 172
 (*Rhoadesius*) *sloanii*, 108
 (*Rhoadesius*) *sloanii* (Bundy), 172
 Ordovician, 50
 Oregon, 119
 Oregon, OH, 207
 organic
 carbon, 116
 contaminants, 114
 organic liquids, 200
 halogenated, 200
 nonhalogenated, 200
 Oronto Group, 51
 orthophosphate, 194
 Orthoptera, 165
 ostracod, 30
Ostrya americana, 125
 Ottawa County, OH, 7
 Otter Fork, 110
 Ottokee soil, 8
Otus asio, 164
 Overwintering of *G. Nigrifrons*, 159-162
Oxydendrum arboreum, 125
- packstone, 62
 paleontology, 16
 Paleozoic
 carbonate rock, 79
 clastics, 80
 sedimentary rock, 2, 50, 79, 96
 sedimentary strata, 2
 Panicoid grasses, 122
Panicum virgatum, 149
Paracyclas, 34
 Paragon Geophysical, Inc., 50
Paraspirifer, 30
bownockeri, 33
 Parkertown Quarry, 13
 Parkertown, OH, 14
Paspalum notatum Flugge, 159
Passerina cyanea, 164
 Pataskala, OH, 110
 Pebbles Dolomite, 123
 pelecypods, 32
 Pennsylvania Game Commission, 148
 Pennsylvania State University, The, 154
 Department of Biology, 154
 Wildlife Technology Program, 154
 Pennsylvania, 27, 47, 70, 136, 148, 154
 Pennsylvanian conglomeratic quartzose sandstone, 69
 Pennsylvanian Geological Survey, 70
 Pennsylvanian lithostatigraphic classification, 70
 Pennsylvanian Nomenclature of Ohio, 69-76
 Pennsylvanian rock, 90
 Pennsylvanian shale, 93
 Pennsylvanian Sharon conglomerate, 71
 Pennsylvanian Subcommittee of the National Research Council Committee on Stratigraphy, 73
 Pennsylvanian System, 72
 periphyton, 167
 periwinkle, 123
 Permian System, 70
Peromyscus sp., 164
leucopus, 154
maniculatus, 156
 Perry County, OH, 73, 108
 Persian Gulf, 47
 persimmon, 124
 pesticides, 114, 148
 petrographic analysis, 50
 petroleum refining, 203
 pH 10, 127
Phacops, 30
rana milleri, 33
 Phalangida, 165
Pbleum pratense L., 160
 phloem sap, 193
Pholidostrophia, 31
 phospholipid levels, 193
 root cell membranes, 193
 phosphorus fertilizers, 191
 phosphorus, 191
 phosphorus-induced copper deficiency, 193
 photosynthesis, 194
 photosynthesis, 119
 photosynthetic rates, 191
 phycologists, 118
Phyllophaga, 164
 phytolith, 122
 Pickaway County, OH, 80
 Pickrelltown Till, 77, 87
 pine, 122
Pinnularia subcapitata Greg., 120
Pinus spp., 149
Pinus virginiana, 123
 plagioclase, 50
 Plain City, OH, 209
 Plain Township, OH, 91
 plant
 nomenclature, 124
 opal, 122
Plantanus occidentalis, 125
Platyceras, 34
 Pleistocene, 2
 glacial lake beach ridges, 2
 glaciation, 2, 123
Pleurochloris commutata Pascher, 119
Pleurodictyum (Procteria) cornu, 33
 Plum Brook Shale, 27
 pneumoconiosis, 134
Poa pratensis L., 160
 poikilotopic cement, 53
Populus grandidentata, 125
 Port Clinton, OH, 19
 Port Stanley Drift, 79
 Portage River, 7
 Portsmouth, OH, 134
 potash feldspar, 50
 Pottsville Formation, 72
 Pottsville Group, 70, 90
 Poverty Run, 110
 Powell End Moraine, 77
 Powell Moraine, 78, 83
 Powell Till, 88
 prairie forbs, 127
 Prairies of the E. Lucy Braun Preserve, 122-128
 prairies, 122
 primary, 122
 secondary, 122
 Preble County, OH, 172
 Precambrian Gowganda Tillite, 10
 Precambrian, 50
 basement rock, 2
 PREFER®, 151
 preplastocyanin, 193
 Preston, ID, 163
 probit analysis, 114
Procyon lotor, 155, 164
Productella, 30
spinuicostia, 34
Protoleptostrophia, 33
 Prout Limestone, 29
Prunus serotina, 125
 Purity, OH, 111
 push tube, 124

- Putnam County, OH, 51
 putty knife, 163
 pyrite, 40
 pyritic materials, 167
 ground water leached, 167
- Quarry Rock Picnic Area, 46
 quartz, 53, 124
 quartz-feldspar, 90
Quercus
 alba, 125
 imbricaria, 125
 muehlenbergii, 124
 palustris, 125
 rubra, 125
 tellata, 125
 velutina, 125
- Raccoon Creek, 110, 170
 raccoons, 157, 164
 radio
 collars, 148
 tagging, 149
 transmitter, 149
 radio telemetry study, 148
Rana sp., 164
 catesbeiana, 164
 palustris, 164
 yvatica, 164
 raphe valve, 120
 raspberry, 157
 recycling, 206
 commercial, 206
 "Red Bedford Delta," 35
 "Red Bedford" Shale, 35
 red fox, 155, 186
 red oak, 163
 red-eyed vireos, 164
 red-headed woodpeckers, 163
 redbud, 124
 redcedar, 124
 Reesville Moraine, 78, 87
 regression analysis, 193
 reptiles, 164
 residuum, 123
 Resource Conservation and Recovery Act (RCRA) of 1976, 199
 Hazardous and Solid Waste Amendments (HSWA) 1984, 199
Rhamnus caroliniana, 124
Rhinocaris, 33
 ehlersi, 33
Rhipidomella, 32
 rhizosphere, 193
Rhus typhina, 157
 rhyolite, 51
 Richland County, OH, 81, 86, 211
 ring-tailed cats, 163
 road-kill survey, 163
 Road-kills of Vertebrates and Invertebrates, 163-166
 Rocky Fork, 111
 Rocky River, 35
 Rogers' Coal Measures subdivisions, 71
 Rogers' Seral Conglomerate, 71
Rosa multiflora, 148 157
 ROSE®, 38
Rubus spp., 148, 157
 Rupp Construction Company, 93
 ryegrass, 159
- Salina Formation (Late Silurian), 210
Salix nigra, 157
 salt beds, 214
 salt diapir, 42
 salt, 211
 sand, 116, 127, 209
 carbonate, 209
 crystalline, 210
 quartz, 209
 quartzose, 210
 sugary dolomite, 210
 sandstone cliffs, 118
 sandstone, 35, 90, 209
 lithified, 209
 permeable, 209
 porous, 209
 quartz, 211
 Sandusky Bay, 19
 Sandusky Cement Company, 27
 Sandusky County, OH, 7, 83, 207
 Sandusky River, 8
 Sandusky, OH, 19
 saran screen, 159
 scent post survey, 186
Schizophoria ferrenensis, 34
 Scioto County, OH, 203
 Scioto Lobe, 78, 83, 91
 Scioto River, 108
 sciurids, 157
Sciurus
 carolinensis, 164
 niger, 164
 Scotch-Irish, 137
 Scotland, 119
 "Second Water," 209
 sediment
 assessment, 113
 contaminants, 113
 elutriates, 112
 interstitial (pore) water, 113
 toxicity, 113
 seine
 mesh bag, 108
 mesh minnow, 108
 seismic reflection profile, 50
 seismic reflection survey, 49
 Seneca Cavern, 118
 Seneca County, OH, 83, 118
 Seral Conglomerate, 70
 shale residuum, 126
 shale, 35, 90, 122
 shale-percentage log, 59
 Sharon coal, 71
 Shawnee State University, 134
 Social Science Division, 134
 Shelbyville till, 79
 short-tailed shrew, 156
 shrub cover, 149
 SIC Code, 200
 sichelwannen, 21
 Silica
 fauna, 27
 lithologies, 30
 Silica Formation, 27
 Silica Shale, 27-34
 Silica, OH, 27
Silphium terebinthinaceum, 124
 silt, 116, 122
 Silurian (Niagaran) Lockport Dolomite, 7
 Silurian dolomite, 2, 79, 123
 Silurian Greenfield Dolomite, 7
 Silurian reef complexes, 209
 Silurian rocks, 210
 barrier reefs, 212
 Silurian Tymochtee Dolomite, 3
 Silurian, 50
 sinkhole, 3
 skunks, 163
 Slate Run, OH, 12
 slickenlines, 4
 slickensides, 214
 snails, 164
 snakes, 163
 snap trap, 154
 Snow Track Survey, 186-190
 Society of Economic Mineralogists and Paleontologists Field Trip, 1988, 83
 Soft-Sediment Deformation at Elyria, 35-48
 Soil Conservation Service, 81
 soil
 acid shale, 127
 calcareous dolomite, 127
 calcareous, 122
 pH, 124
 soil microrrhizal spore population, 191
 soil nutrients, 192
 soil test, 191
 sola, 126
 soluble organic N-Cu compound, 193
 solvents, 200
 halogenated, 200
 nonhalogenated, 200
 Somalia, 130
Sorex cinereus, 156
Sorghastrum nutans, 124
Sorghum halepense (L.) Pers., 159
 sorghum, 193
 South Africa, 130
 South Amherst Quarry, 37
 South Amherst, OH, 37
 South Bass Island, 10
 South Bloomfield Township, OH, 108
 soybean crop, 148
 soybeans, 196
Sphenopbragmus, 32
 spiders, 163
 "Spinocyrtia euryteines," 34
Spinus tristis, 164
 spiriferid brachiopods, 34
 SPLOT®, 38
 "St. Clair" (Hoytville/St. Clair) soil, 78
 St. Marys River, 108
 staghorn sumac, 157
 stalactite, 118
 stalagmite, 118
 Standard Slag Company, 18
 Stark County, OH, 86, 90
 starlings, 164
 Station Hollow Shale member, 57
 statistical analyses
 analysis of variance (ANOVA), 155
 AOAC Official Methods of Analysis, 192
 Bartlett's homogeneous variance test, 168
 Bartlett's Test, 114
 chi-square test, 150, 186
 Duncan's multiple range test, 162
 Dunnett's Procedure, 114
 Dunn's multiple comparison test (DMC), 149
 Fisher's exact test, 114
 Kolmogorov-Smirnov test, 168
 Kruskal-Wallis test (KW), 124, 149, 168
 MANOVA, 168
 Richardson divider analysis, 23
 SAS®, 15
 Shannon-Weaver function, 155
 Shapiro-Wilk's Test, 114
 Statistical Package for the Social Sciences (SPSS®), 134
 Steel's Many-one Rank Test, 114
 Student-Newman-Keuls (SNK) *a posteriori* test, 168
 Tukey's studentized range test, 155
 Wilcoxon matched-pairs signed-rank test (WMP), 149
 Wilcoxon rank-sum test (WRS), 149
 stelleroids, 30
Stemotherus odoratus, 164
 Stocker and Sitler, Inc., 50
 Stokes Law, 124
 Stonelick Creek, 63
 Straight Creek Member, 56
 stratigraphic
 classification, 71
 column, 30, 71
 stratigraphic column, 211
Streblotrypa, 32
 anomala, 33
 striped skunk, 157
 stromatoporoids, 212
 Strongs Ridge, OH, 12
Strophodontia, 32
 structural bioassessment, 113
Sturnus vulgaris, 164
Styliolina fissurella, 33

- stylolites, 212
 subaerial habitat, 118
 substrate leakage, 193
 substrates, 118
 acid, 123
 calcareous, 123
 depositional, 113
 erosional, 113
 rock, 118
 sugar, 193
Sulcoretepora deissi, 33
 sulfur dioxide, 134
 sulfur coal, 171
 sulfur, 167
 sulfuric acid, 167
 Superconducting Super Collider (SSC), 83
 Superfund Amendments and Reauthorization Act (SARA), 199
 Section 104(k) (9), 199
 superoxide dismutase, 191
 switchgrass, 149
 Switzerland County, IN, 52
 sycamore, 163
 Sylvania Sandstone, 27
 Sylvania, OH, 2
Sylvilagus
 floridanus, 155, 164
 floridanus mearnsii, 148
 synclines, 213
Synedra rumpens Kutz., 120

Tabanus, 164
Tabellaria, 114
 Table Rock, 16
Tamias striatus, 157
 tan-bark, 123
 Tasmanitids, 19
 Teays River, 2, 170
 Ten Mile Creek Dolomite, 27
 Ten Mile Creek, 27
Terrapene carolina, 164
 tetracorals, 34
 The Algal Flora of Seneca Cavern, 118-121
 The Conglomerate, 69
 "The Locomotive," 19
 The Middle Run Formation, 49-55
 The Nature Conservancy Ohio Chapter, 122
 Thurston Lava Tube, 119
 Tiffin River Drainage Improvement, 195-198
 Tiffin River, 195
 Till Stratigraphy in Union County, 83-89
 till sheets, 83
 Timber Run, 110
 timothy, 160
 Titusville Till, 91
 tobacco, 134
 Toledo soil, 8
 Toledo Stone and Glass Company, 27
 Toledo, OH, 2, 27, 206
 topographic quadrangles, 59
 toxic organic contaminants, 113
 toxicity bioassays, 113
 Traverse Limestone, 29
 tree squirrels, 154
 Trenton (Middle Ordovician), 6
 Trenton limestone, 51
 trepostomatous bryozoa, 34
 Trichoptera, 165
 trilobites, 30
 triple superphosphate (CaH₂PO₄)₂, 191
Triticum aestivum L., 159, 191
Tropidoleptus carinatus, 34
 trout food, 113
 Trumbull County, OH, 206
 Tymochtee Formation, 3
 Tymochtee Till, 78, 88

Typba latifolia, 154

 U.S. Army Corps of Engineers, 196
 U.S. Department of Agriculture, 159
 Agriculture Research Service, 159
 Corn and Soybean Research Unit, 159
 U.S. Geological Survey, 18, 74, 209
 Water Resources Division, 209
Ulmus americana, 125
 unialgal cultures, 118
 Union City (Powell) Moraine, 79
 Union City End Moraine, 79
 Union City Till, 77
 Union County Soil Survey, 83
 Union County, OH, 81, 83
 United Kingdom, 130
 United States Environmental Protection Agency (USEPA), 113, 199
 Environmental Research Laboratory, 113
 United States, 118, 129, 134, 159 209
 United States, Conterminous, 136
 Coastal Plain, 134
 East Interior Plains, 134
 Eastern Highlands, 134
 Mountains, 134
 West Interior Plains, 134
 Western Plateaus, 134
 University Heights, OH, 118
 University of Akron, The, 90, 112
 Department of Biology, 112
 Department of Geology, 90
 University of Cincinnati, 16, 50
 Department of Geology, 16
 University of Illinois at Chicago, 135
 Department of Geography, 135
 Cartography Laboratory, 135
 University of Kentucky, 122, 154
 Department of Forestry, 122, 154
 University of Toledo, The, 2, 27
 Department of Geology, 2, 27
 Stranahan Arboretum, 27
 Upper Devonian Huron (Ohio) Shale, 2
 "Upper" Millbrook till, 83
 Upper Ordovician Cincinnati Series, 56
 Upper Ordovician Lithostratigraphy, 56-68
 Upper Silurian Bass Island Group, 3
 Upper Silurian Tymochtee Dolomite, 2
 urea, 192
Urocyon cinereoargenteus, 186
 Utah, 119

 vacuum sampler, 159
 VAM spore counts, 191
 VAM-enhanced copper, 191
 Vanatta, OH, 111
 Vanport marine zone, 70
 Venice Member, 17
 Vermilion River, 35
 vertebrates, 154, 163
 vesicular-arbuscular mycorrhizal (VAM)
 fungi, 191
Vinca minor, 123
 Vinton County, OH, 167
Vireo olivaceus, 164
 Virginia pine, 123
Vitis spp., 149
 volant mammals, 157
 volcanic steam vents, 118
Vulpes vulpes, 155, 186

 Wabash River, 7
 Wackestone, 62
 Warren County, OH, 49, 57
 Washington (?) coal, 71
 Washington County, OH, 211
 Waste Technologies Industries, 208

 water quality, 211
 brine, 211
 calcium bicarbonate, 211
 calcium sulfate, 211
 potable, 211
 water slurry, 113
 waterfalls, 118
 watershed cropland, 197
 Waterville, OH, 3
 Wauseon, OH, 198
 Wayne County, OH, 81, 86, 90, 210
 Wayne Township, OH, 49
 Waynesburg coal, 71
 well drillers, 209
 Wells Creek Formation, 50
 Werner's Secondary Series, 69
 West Virginia, 27, 74, 136, 168, 210
 wetlands, 154
 wheat leaf, 191
 wheat, 149, 159, 191, 196
 flag leaf, 192
 grain yield, 191
 nutrient uptake, 191
 photosynthesis, 191
 root infections, 191
 white oak, 163
 white-footed mouse, 154
 white-tailed deer, 154
 Whitewater Formation, 57
 wildlife managers, 148
 Williamsport Sandstone, 211
 Wills Creek, 154
 wire ferrets, 149
 Wisconsin Till Plain, 111
 Wisconsin, 52, 201
 Wisconsinan
 age, 90
 ground moraine, 2
 stage, 87
 women
 African, 129
 American, 129
 Asian, 129
 European, 129
 Women's Science Career Choices, 129-133
 woodchucks, 154
 Woodfordian
 stage, 87
 stratigraphy, 78
 tills, 77
 Woodville, OH, 7
 Wooster, OH, 159
 World War II, 131
 Wright State University, 2, 50, 129
 Department of Geological Sciences, 2, 50
 Department of Physics, 50
 Department of Sociology and
 Anthropology, 129
 Wright-Patterson Air Force Base, 206
 Wyandot County, OH, 83

 xylem sap, 193

 yardangs, 25
 yeast, 113
 Yellow Creek, 112
 "yellow boy," 167

 Zaleski Creek, 170
 Zanesville County, OH, 69
 Zanesville, OH, 108
Zaphrentis, 19
Zapus hudsonius, 156
Zea mays L., 159
Zenaida macroura, 164
 Zippin's removal method, 155