

## Index to Volume 118

Compiled by Leslie Cody

- Abies balsamea*, 46,95,124,251,268,274,361,388,401,510,530  
*lasiocarpa*, 191,355,584

*Abrostola urentis*, 541

*Acanthopteroctetes bimaculata*, 532

*Acanthopteroctetidae*, 532

*Acasis viridata*, 539

*Acer*, 52  
*negundo*, 309  
*rubrum*, 41,96,136,136,251,277,361,508  
*saccharinum*, 41,124,251  
*saccharum*, 361,507  
*spicatum*, 362

*Achigan à grande bouche*, 523  
*à petite bouche*, 523

*Achillea millefolium*, 166

*Achnatherum richardsonii*, 564

*Acipenser fulvescens*, 523

*Acipenseridae*, 523

*Acleris albicomana*, 534  
*britannia*, 534  
*celiana*, 534  
*emargana*, 535  
*forbesana*, 534  
*logiana*, 534  
*nigrolinea*, 535  
*obligatoria*, 534  
*schalleriana*, 534  
*variana*, 534

*Acorn*, J.H., Review by, 468

*Acossus centerensis*, 534  
*populi*, 534

*Acrobasis betulella*, 536

*Acrocercops* sp., 532  
*astericola*, 532

*Acronicta fragilis*, 541  
*grisea*, 541  
*impleta*, 541  
*impressa*, 541  
*innotata*, 541  
*vulpina*, 541

*Acronictinae*, 541

*Actaea × ludoviciana*, 612

*Actitis macularia*, 444

*Adalia bipunctata*, 312

*Adela purpurea*, 532

*Adelidae*, 532

*Adelolecia koalensis*, 406

*Aechmophorus* spp., 210

*Aepypterus melampus*, 185

*Aesculus pavia*, 612

*Aethalura intertexta*, 537

*Aethes promptana*, 535  
*promptana*, 547

*Aethusa cynapium*, 613

*Agabus* sp., 431  
*arcticus*, 431

*confines*, 431  
*thomsoni*, 431

*Agelaius phoeniceus*, 201

*Agelaius phoeniceus*, Staging in Eastern South Dakota, Spring Dispersal Patterns of Red-winged Blackbirds, 201

*Aglaia milberti*, 537

*Agonopterix gelidella*, 533

*Agriphila ruricolella*, 536  
*vulgivagella*, 536

*Agropyron* spp., 400,584  
*cristatum*, 300  
*pectiniforme*, 560  
*repens*, 300  
*sibiricum*, 560

*Agrostis* sp., 169  
*filiculmis*, 558  
*gigantea*, 560

*Aira praecox*, 177

*Aix sponsa*, 131,230

Alaska, Changes in Loon (*Gavia* spp.) and Red-necked Grebe (*Podiceps grisegena*) Populations in the Lower Matanuska-Susitna Valley, 210

Alaska, Interactions of Brown Bears, *Ursus arctos*, and Gray Wolves, *Canis lupus*, at Katmai National Park and Preserve, 247

Alaska, Seed Dispersal by Brown Bears, *Ursus arctos*, in Southeastern, 499

Alaska, The Heather Vole, Genus *Phenacomys*, in, 438

Alberta: Distribution and Status, The Barred Owl, *Strix varia* in, 215

Alberta, First Record of Mountain Lions, *Puma concolor*, in Elk Island National Park, 605

Alberta, Including New Provincial Records, Moths and Butterflies (Lepidoptera) of the Boreal Mixedwood Forest near Lac La Biche, 530

Alberta, Winter Habitat Use by Wolves, *Canis lupus*, in Relation to Forest Harvesting in West-central, 368

*Alca torda*, 258

*Alces alces*, 40,57,61,96,134,185,248,368,606

Alder, 46,247,268,401  
*Speckled*, 253

Alewife, 319

Alfalfa, 361

Algae, 320

*Allium schoenoprasum* ssp. *sibiricum*, 558

*Alnus* sp., 46,247,401  
*crispa*, 268  
*incana*, 253  
*incana* ssp. *rugosa*, 136  
*incanatabile*, 511  
*rugosa*, 268

*Alopecurus carolinianus*, 170

*Alopex lagopus*, 602

*Alopex lagopus*, den by a Polar Bear, *Ursus maritimus*, Excavation of an Arctic Fox, 602

*Alosa pseudoharengus*, 319

- sapidissima*, 77  
*Alucita lalannei*, 536  
*Alucitidae*, 536  
*Alyssum americanum*, 570  
  *obovatum*, 558  
*Amandinea coniops*, 411  
*Amaranth*, Purplish, 613  
*Amaranthus blitum*, 613  
*Ambloplites rupestris*, 523  
*Amblyptilia pica*, 536  
*Ambrosia* × *heleneae*, 613  
*Ameiurus nebulosus*, 523  
*Amelanchier* sp., 196  
  *alnifolia*, 558  
*Amirault*, D.L., 448  
*Amirault*, D.L., J. Kierstead, P. MacDonald and L. MacDonnell. Sequential Polyandry in Piping Plover, *Charadrius melanotos*, Nesting in Eastern Canada, 444  
*Ammodytes* sp., 262  
*Ammophila breviligulata*, 444  
*Amphipacifica*: Journal of Aquatic Systematic Biology 3(4), 294  
*Amphipod*, 77  
*Amphipoea americana*, 541  
*Ampithoe vallida*, 79  
*Anabeana* sp., 320  
*Anacampsis conclusella*, 534  
*Anaplectoides prasina*, 543  
  *pressus*, 543  
*Anas crecca*, 131  
  *platyrhynchos*, 130  
  *rubripes*, 129,268,604  
*Anas rubripes*, Broods, Extraordinary Size and Survival of American Black Duck, 129  
*Anathix puta*, 542  
*Anatis labiculata*, 312  
*Ancylis comptana*, 535  
  *diminutana*, 535  
  *fuscociliata*, 535  
  *laciniana*, 535  
  *subaequana*, 535  
*Andres*, B.A., 210  
*Andromeda polifolia*, 591  
*Andropogon gerardii*, 342  
*Andropolia contacta*, 542  
*Anguilla rostrata*, 523  
*Anguille d'Amérique*, 523  
*Anguillidae*, 523  
Annotated List of the Arctic Marine Fishes of Canada, 156  
*Anser caerulescens*, 602  
*Antelope*, Roan, 185  
*Anthoxanthum odoratum*, 177  
*Anthriscus caucalis*, 613  
*Anthyllis vulneraria*, 613  
*Anticlea multiflora*, 539  
  *vasiliata*, 539  
*Apamea cogitata*, 541  
  *commoda*, 541  
*Aplectoides condita*, 543  
*Aplodinotus grunniens*, 523  
*Apotomis capreana*, 535  
  *deceptana*, 535  
  *infida*, 535  
  *removana*, 535  
*Apple*, 299,361  
*Apple*, Crab, 125  
*Apps*, C.D., 191  
*Arabis caucasica*, 558  
  *holboellii* var. *retrofracta*, 558  
  *holboellii* var. *secunda*, 558  
*Aralia nudicaulis*, 46,365  
*Arbutus menziesii*, 174  
*Arbutus*, 174  
*Arceuthobium americanum*, 595  
  *douglasii*, 595  
  *laricis*, 595  
*Arceuthobium americanum*, on Jack Pine, *Pinus banksiana*, Growth in Manitoba, Effects of Lodgepole Pine Dwarf Mistletoe, 595  
*Archilochus colubris*, 85  
*Archilochus colubris*, Entanglements in Burdock, *Arctium* spp., at Delta Marsh, Manitoba, Ruby-throated Hummingbird, 85  
*Archips argyrospila*, 535  
*Arctiidae*, 540  
*Arctium* spp., 85,253,611  
  *lappa*, 85  
  *minus*, 85  
  *tomentosum*, 85  
*Arctium* spp., at Delta Marsh, Manitoba, Ruby-throated Hummingbird, *Archilochus colubris*, Entanglements in Burdock, 85  
*Ardea herodias*, 231  
*Argyresthia* sp., 532  
  *abies*, 532  
  *conjugella*, 532  
  *goedartella*, 532  
  *oreasella*, 532  
  *pygmaeella*, 532  
*Aristida basiramea*, 276  
*Aristida basiramea* Engelm. ex Vasey: A New Addition to the Flora of Quebec, Forked Three-awned Grass, 276  
*Armoracia rusticana*, 558  
*Arrow-grass*, Marsh, 561  
*Arrowhead*, 318  
*Artemisia tridentata*, 300,584  
*Arthonia phaeobaea*, 410  
*Arthur*, W.R., Review by, 475  
*Asaphocrita* sp., 533  
*Asaphus truei*, 447  
*Asaphus truei*, American Dipper, *Cinclus mexicanus*, Preys Upon Larval Tailed Frogs, 446  
*Ash*, 253  
  Black, 310  
  Green, 309  
  Mountain, 362  
  White, 361,508  
*Aspen*, Quaking, 211,584  
  Trembling, 46,62,96,218,251,268,274,277,316,342,355  
  361,370,388,515,530  
*Asphodel*, Northern False, 567  
*Aspicilia caesiocinerea*, 411  
  *supertegens*, 424  
*Aspidotis densa*, 166  
*Aster* spp., 251  
  *alpinus* ssp. *vierhapperi*, 558  
  *falcatus*, 558  
*Aster*, 251  
  Alpine, 577  
  Gulf of Saint Lawrence, 105

- Western Heath, 577
- Aster, *Sympyotrichum laurentianum*, (Fernald) Nesom, Estimation of Seed Bank and Seed Viability of the Gulf of Saint Lawrence, 105
- Atkinson, J., Review by, 283
- Atriplex alaskensis*, 558
- patula*, 560
  - patula sensu*, 568
  - patula* var. *alaskensis*, 568
  - subspicata*, 559
- Auklet, Cassin's, 616
- Rhinoceros, 615
- Auklet, *Cerorhinca monocerata*, Fledglings Fly to the Sea from Their Natal Burrows?, Do Rhinoceros, 615
- Austrocedrus chilensis*, 132
- Autographa ampla*, 541
- bimaculata*, 541
  - mappa*, 541
  - rubida*, 541
- Avena sativa*, 361,560
- Avens, Yellow, 573
- Awlwort, 572
- Aythya collaris*, 268
- marila*, 268
- Bacidia alaskensis*, 412
- Bacidina inundata*, 424
- Baeus* sp., 122
- Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, Occurrence of Parasitoid Wasps, 122
- Baillie, S.M., C.D. Wilkerson and T.L. Newbury, "Ashkui" Vernal Ice-cover Phenomena and Their Ecological Role in Southern Labrador, 267
- Balanus*, 406
- Ball, P.W., 266
- Baneberry, Hybrid, 612
- Barbotte brune, 523
- Barbu de rivière, 523
- Barker, W., Review by, 474
- Barley, 361
- Barnacle, 406
- Bartier, P.M., 77
- Basilarchia artemis*, 537
- Bass, Largemouth, 113
- Basswood, 310
- American, 253
- Batrachedra praecanuga*, 533
- Batrachedridae, 533
- Bear, 134,443
- Barren-ground Grizzly, 239
  - Black, 41,96,370
  - Brown, 247,499
  - Grizzly, 117,239,247,370,603
  - Polar, 395,602
- Bear, *Ursus maritimus*, Excavation of an Arctic Fox, *Alopex lagopus*, den by a Polar, 602
- Bears, H. Parasite Prevalence in Dark-eyed Juncos, *Junco hyemalis*, Breeding at Different Elevations, 235
- Bears, *Ursus arctos*, and Gray Wolves, *Canis lupus*, at Katmai National Park and Preserve, Alaska, Interactions of Brown, 247
- Bears, *Ursus arctos*, in Southeastern Alaska, Seed Dispersal by Brown, 499
- Bears, *Ursus arctos*, in the Central Canadian Arctic, Movements of Subadult Male Grizzly, 239
- Bears, *Ursus maritimus*, in the Alaskan Beaufort, Chukchi, and Northern Bering Seas, Observations of Habitat Use by Polar, 395
- Beaver, 40,129,248,267,606
- Eurasian, 434
- Beaver, *Castor fiber*, Collapsing Burrow Causes Death of a Eurasian, 434
- Bedford, R.E., 626
- Beech, American, 41,361,507
- Beetle, 388
- Carabid Intertidal, 79
  - Colorado Potato, 226
  - Convergent Lady, 309
  - Lady, 309
  - Ladybird, 225
  - Parenthesis Lady, 309
  - Seven-spotted Lady, 309
  - Thirteen-spotted Lady, 309
  - Transverse, 309
  - Water, 425
- Beetles (Coccinellidae) in Overwintering Sites in Manitoba\*, Density and Survival of Lady, 309
- Beetles (Coleoptera: Adephaga: Dytiscidae, Gyrinidae) Collected Along the Horton and Thelon Rivers in the Arctic Central Barrens of Canada, Predaceous Water, 425
- Beetles (Coleoptera: Coccinellidae) in Prince Edward Island, Use of Eelgrass, *Zostera marina*, Wrack by Three Species of Ladybird, 225
- Bennett, B., 558
- Bentgrass, 169
- Berberis* spp., 132
- Beringer, J., 185
- Berube, D.K.A., 386
- Besma quercivoraria*, 538
- Betula*, 52
- alleghaniensis*, 41,361,508
  - glandulosa*, 591
  - papyrifera*, 41,46,95,136,211,251,268,274,355,388,510,
  - 530
  - populifolia*, 277
- Bibarrambla allenella*, 533
- Bidens* sp., 180
- Bigler, L.L., 65
- Birch, Dwarf, 591
- Gray, 277
  - Paper, 211,268,355
  - White, 41,46,95,251,274,388,515,530
  - Yellow, 41,361,507
- Bird rape, 571
- Bison bison*, 115,606
- Bison, 115,606
- Bison, *Bison bison*, Toward Elk, *Cervus elaphus*, and Wolves, *Canis lupus*, Unusual Behavior by, 115
- Bison bison*, Toward Elk, *Cervus elaphus*, and Wolves, *Canis lupus*, Unusual Behavior by Bison, 115
- Biston betularia*, 537
- Bistort, Alpine, 591
- Bittercress, Alpine, 571
- Narrow-leaved, 613
- Blackbird, Red-winged, 201
- Yellow-headed, 207
- Blackbirds, *Agelaius phoeniceus*, Staging in Eastern South Dakota, Spring Dispersal Patterns of Red-winged, 201

- Bladderwort, Lesser, 576  
*Blarina brevicauda*, 402  
*Blastodacna curvilineella*, 533  
*Bleptina caradrinalis*, 540  
 Blueberry, 251  
 Lowbush, 195  
 Tall, 575  
 Velvet Leaf, 195  
 Blueberry, *Vaccinium angustifolium*, and Velvet Leaf Blueberry, *Vaccinium myrtilloides*, Production in Eastern Ontario, Effect of Fire Intensity and Depth of Burn on Lowbush, 195  
 Blueberry, *Vaccinium myrtilloides*, Production in Eastern Ontario, Effect of Fire Intensity and Depth of Burn on Lowbush Blueberry, *Vaccinium angustifolium*, and Velvet Leaf, 195  
 Bluegill, 318  
 Bluegrass, 300  
 Kentucky, 176  
 Sandberg, 564  
 Bluestem, Big, 342  
 Bobcat, 40  
 Bog-rosemary, Dwarf, 591  
*Bombycilla cedrorum*, 232  
*Bonasa umbellus*, 41,232  
*Bondia crescentella*, 536  
*Boreal Dip Net/L'Epuisette Boreale*: Newsletter of the Canadian Amphibian and Reptile Conservation Network – Réseau Canadien de Conservation des Amphibiens et des Reptiles, *The*, 155,484,645  
*Botrychium* spp., 365  
 Bousfield, E.L, 626  
 Bowen, K.D. Frequency of Tail Breakage of the Northern Watersnake, *Nerodia sipedon sipedon*, 435  
*Bowerbankia gracilis*, 79  
*Brachylomia algens*, 542  
*discinigra*, 542  
*Brachythecium* spp., 253  
 Bracken, 253  
*Branta canadensis*, 268,602  
*Brassica rapa*, 560  
*Braya glabella*, 550  
*humilis*, 550  
*pilosa*, 550  
*purpurascens*, 550  
*thorild-wulffii*, 550  
 Braya, Pilose, 550  
 Braya, *Braya pilosa* Hooker (Cruciferae; Brassicaceae), an Enigmatic Endemic of Arctic Canada, Pilose, 550  
 Braya *pilosa* Hooker (Cruciferae; Brassicaceae), an Enigmatic Endemic of Arctic Canada, Pilose Braya, 550  
 Brisson, J. Forked Three-awned Grass, *Aristida basiramea* Engelm. ex Vasey: A New Addition to the Flora of Quebec, 276  
 Bristlegrass, Green, 564  
 British Columbia, Bird Communities of the Garry Oak Habitat in Southwestern, 376  
 British Columbia, Introduced Marine Species in the Haida Gwaii (Queen Charlotte Islands) Region, 77  
 British Columbia, Lichen Zonation on Coastal Rocks in Gwaii Haanas National Park Reserve, Haida Gwaii (Queen Charlotte Islands), 405  
 British Columbia, 1972-2002, Sea Otter, *Enhydra lutris*, Sightings off Haida Gwaii/Queen Charlotte Islands, 270  
 British Columbia, Observations of Above-Surface Littoral Foraging in Two Sea Ducks, Barrow's Goldeneye, *Bucephala islandica*, and Surf Scoter, *Melanitta perspicillata*, in Coastal Southwestern, 264  
 British Columbia waters: a reassessment, Status of marine turtles in, 72  
 Brodo, I.M. and N.A. Sloan. Lichen Zonation on Coastal Rocks in Gwaii Haanas National Park Reserve, Haida Gwaii (Queen Charlotte Islands), British Columbia, 405  
 Brome, Barren, 176  
 California, 174  
 Downy, 300  
 Rip-gut, 174  
 Smooth, 300,342,562  
 Soft, 174  
*Bromus* spp., 175  
*carinatus*, 174  
*ciliatus*, 559  
*hordeaceus*, 174  
*inermis*, 300,342,560  
*rigidus*, 174  
*sterilis*, 176  
*tectorum*, 174,300  
 Brook, R.K., 602  
 Broom, Scotch, 177  
 Brunton, D.F. Origins and History of The Ottawa Field-Naturalists' Club, 1  
 Brush, Big Sage, 584  
*Bryotropha* sp., 534  
 Bryozoan, 79  
*Bubo virginianus*, 222,273  
 Bucculatricidae, 532  
*Bucculatrix* sp., 532  
*canadensisella*, 532  
*Bucephala clangula*, 267,604  
*islandica*, 264  
*Bucephala islandica*, and Surf Scoter, *Melanitta perspicillata*, in Coastal Southwestern British Columbia, Observations of Above-Surface Littoral Foraging in Two Sea Ducks, Barrow's Goldeneye, 264  
 Buckeye, Red, 612  
 Budworm, Spruce, 361  
 Bulrush, 318  
 Bunchberry, 46  
 Bunting, Indigo, 232  
 Bur-chervil, 613  
 Burdock, 85,253,611  
 Common, 85  
 Burdock, *Arctium* spp., at Delta Marsh, Manitoba, Ruby-throated Hummingbird, *Archilochus colubris*, Entanglements in, 85  
 Burnett, D., Review by, 151  
 Burrows, F.G.M., 95  
*Buteo lagopus*, 268  
 Buttercup, Western, 570  
 Butterflies (Lepidoptera) of the Boreal Mixedwood Forest near Lac La Biche, Alberta, Including New Provincial Records, Moths and, 530  
 Butterfly, 388  
 Buttons, Brass, 169  
*Cabera erythemaaria*, 538  
*variolaria*, 538  
*Caenurgina crassiuscula*, 541

- Calafate, 132  
*Calamagrostis canadensis*, 591  
 Calendar: Endangered Reptiles of Canada 2004 and 2005, 644  
*Callitricha anceps*, 559  
*Callizia amorata*, 539  
*Caloplaca*, 420  
 chlorina, 424  
 citrina, 411  
 exsecuta, 420  
 flavogranulosa, 411  
 inconspecta, 406  
 litoricola, 406  
 marina, 420  
 rosei, 411  
 verruculifera, 411  
*Caloptilia alnivorella*, 532  
 anthobaphes, 532  
 betulivora, 532  
 canadensisella, 532  
 coroniella, 532  
 stigmatella, 532  
*Caloreas occidentella*, 536  
 Camas, Common, 175  
 Great, 175  
*Camassia leichtlinii*, 175  
 quamash, 175  
*Camelina sativa*, 558  
*Campaea perlata*, 538  
 Campbell, B., 521  
 Campion, Bladder, 569  
*Canachites canadensis*, 41  
 Canada, Conservation Evaluation of Howell's Triteleia, *Triteleia howellii*, an Endangered Lily in, 174  
 Canada, Conservation Evaluation of Lemmon's Holly Fern, *Polystichum lemmonii*, a Threatened Fern in, 164  
 Canada, Conservation Evaluation of Small-flowered Lipocarpha, *Lipocarpha micrantha* (Cyperaceae), in, 179  
 Canada, Conservation Evaluation of the Pacific Population of Tall Woolly-heads, *Psilocarphus elatior*, an Endangered Herb in, 169  
 Canada, Hybridization between a Green Turtle, *Chelonia mydas*, and Loggerhead Turtle, *Caretta caretta*, and the First Record of a Green Turtle in Atlantic, 579  
 Canada, Pilose Braya, *Braya pilosa* Hooker (Cruciferae; Brassicaceae), an Enigmatic Endemic of Arctic, 550  
 Canada, Predaceous Water Beetles (Coleoptera: Adephaga: Dytiscidae, Gyrinidae) Collected Along the Horton and Thelon Rivers in the Arctic Central Barrens of, 425  
 Canada, Sequential Polyandry in Piping Plover, *Charadrius melanotos*, Nesting in Eastern, 444  
 Canada, Stranding of a Pygmy Sperm Whale, *Kogia breviceps*, in the Northern Gulf of St. Lawrence, 495  
 Canada 2004 and 2005, Calendar: Endangered Reptiles of, 644  
 Canadian Arctic, Movements of Subadult Male Grizzly Bears, *Ursus arctos*, in the Central, 239  
 Canadian Arctic Islands Using Morphology and Chloroplast DNA Data, A Systematic Analysis of the Alpine Saxifrage Complex (Saxifragaceae) in the, 326  
*Canadian Field-Naturalist*, Advice for Contributors to *The*, 158,294,494  
 Canadian Rocky Mountains, Predation on Two Mule Deer, *Odocoileus hemionus*, by a Canada Lynx, *Lynx canadensis*, in the Southern, 191  
 Canadian Species at Risk, 484,644  
*Candelariella* sp., 411  
*Canis domesticus*, 247  
 latrans, 41,96,116,243,278,306,341,368,370,606,608  
 lupus, 42,57,61,95,115,127,134,194,247,278,350,361,368,603,608  
 lupus lycan, 608  
 rufus, 608  
*Canis latrans*, Evidence for the Use of Vocalization to Coordinate the Killing of a White-Tailed Deer, *Odocoileus virginianus*, by Coyotes, 278  
*Canis latrans*, in a Heterogeneous Environment, The Influence of Prey Availability and Vegetation Characteristics on Scent Station Visitation Rates of Coyotes, 341  
*Canis latrans*, Severe Chronic Neck Injury Caused by a Snare in a Coyote, 243  
*Canis lupus*, at Katmai National Park and Preserve, Alaska, Interactions of Brown Bears, *Ursus arctos*, and Gray Wolves, 247  
*Canis lupus*, in and near Pukaskwa National Park, Ontario, Demographic patterns and limitations of Grey Wolves, 95  
*Canis lupus*, in Relation to Forest Harvesting in West-central Alberta, Winter Habitat Use by Wolves, 368  
*Canis lupus*, Pack Density, Record High Wolf, 127  
*Canis lupus*, South of the St. Lawrence River in Over 100 Years, First Confirmed Occurrence of a Wolf, 608  
*Canis lupus*, Unusual Behavior by Bison, *Bison bison*, Toward Elk, *Cervus elaphus*, and Wolves, 115  
 Capelin, 262  
*Capreolus capreolus*, 134  
*Caprimulgus vociferus*, 230  
*Capsella bursa-pastoris*, 560  
*Carcinus maenas*, 82  
*Cardamine bellidifolia*, 559  
 impatiens, 613  
*Carduelis pinus*, 378  
 tristis, 378  
*Caretta caretta*, 579  
*Caretta caretta*, and the First Record of a Green Turtle in Atlantic Canada, Hybridization between a Green Turtle, *Chelonia mydas*, and Loggerhead Turtle, 579  
*Carex* spp., 247,318,400,501  
 albo-nigra, 559  
 aquatilis, 591  
 athrostachya, 169,559  
 atrosquama, 559  
 capillaris ssp. *chlorostachys*, 559  
 crawfordii, 559  
 eleusinoides, 559  
 feta, 170  
 foenea, 266,559  
 glareosa, 266  
 hoodii, 266  
 houghtonii, 197  
 lapponica, 266  
 limosa, 559,591  
 loliacea, 559  
 magellanica ssp. *irrigua*, 266  
 marina, 266  
 obtusata, 559

- pachystachya*, 266,559  
*pellita*, 559  
*petasata*, 559  
*praegracilis*, 559  
*rossii*, 559  
*stylosa*, 558  
*supina* ssp. *spaniocarpa*, 559  
*synocephala*, 559  
*unilateralis*, 169  
*viridula*, 559  
Caribou, 39,192,241,362,602  
  Woodland, 57,61,96,119,368  
Caribou, *Rangifer tarandus caribou*, in Saskatchewan, Morphology of Female Woodland, 119  
*Caripeta divisata*, 538  
*Carpioles cyprinus*, 523  
*Carpodacus purpureus*, 378  
Carposinidae, 536  
Carter, B. A Tribute to Thomas Henry Manning (1911-1998), 618  
*Carterocephalus palaemon*, 537  
Case, R., 239  
*Cassiope tetragona* ssp. *saximontana*, 559  
*Castor canadensis*, 40,129,136,248,267,606  
  *fiber*, 434  
*Castor fiber*, Collapsing Burrow Causes Death of a Eurasian Beaver, 434  
Castors, 136  
Caswell, P., 558  
*Catharus fuscescens*, 232  
*Catillaria chalybeia*, 408  
*Catocala briseis*, 541  
  *relicta*, 541  
  *semirelicta*, 541  
  *unijuga*, 541  
Catocalinae, 541  
Catostomidae, 521  
*Catostomus* spp., 521  
  *commersoni*, 319,523  
Cattail, 253,318  
  Common, 545,561  
Cedar, Eastern White, 95,253,361,508  
  Yellow, 159  
*Centaurea diffusa*, 300  
Centipede, 389  
Centrarchidae, 523  
*Cephalophorus monticola*, 185  
*Cephus grylle*, 258  
*Cerastium arvense*, 559  
*Cerorhinca monocerata*, 615  
*Cerorhinca monocerata*, Fledglings Fly to the Sea from Their Natal Burrows?, Do Rhinoceros Auklet, 615  
*Certhia americana*, 384  
*Cervus canadensis*, 606  
  *elaphus*, 115,132,185,368  
  *elaphus nelsoni*, 132  
  *nippon*, 185  
*Cervus elaphus*, and Wolves, *Canis lupus*, Unusual Behavior by Bison, *Bison bison*, Toward Elk, 115  
*Cervus elaphus*, in Patagonia, Observations of Interactions between Puma, *Puma concolor*, and Introduced European Red Deer, 132  
*Chamaecyparis nootkatensis*, 159  
*Chamaerhodos erecta* ssp. *nuttallii*, 559  
Chadelaine, G., 256  
Chapleau, F., 521  
*Charadrius alexandrinus*, 445  
  *melodus*, 444,448  
  *vociferus*, 445  
*Charadrius melanotos*, egg viability after seawater immersion, Piping Plover, 448  
*Charadrius melanotos*, Nesting in Eastern Canada, Sequential Polyandry in Piping Plover, 444  
Charlock, 572  
Chat-fou liséré, 523  
*Chelonia mydas*, 72,579,611  
*Chelonia mydas*, and Loggerhead Turtle, *Caretta caretta*, and the First Record of a Green Turtle in Atlantic Canada, Hybridization between a Green Turtle, 579  
*Chelydra serpentina*, 610  
*Chelydra serpentina*?, Is Cost of Locomotion the Reason for Prolonged Nesting Forays of Snapping Turtles, 610  
*Chenopodium capitatum*, 559  
Cherry, Choke, 253,362  
  Sand, 196  
Chevalier blanc, 523  
  *de rivière*, 521  
  *doré* 526  
  *rouge*, 523  
Chickadee, Black-capped, 232  
  Boreal, 48  
  Chestnut-backed, 378  
Chickweed, Field, 569  
*Chilocorus stigma*, 312  
*Chionodes continuella*, 534  
  *lugubrella*, 534  
  *mediofuscella*, 534  
  *occlusus*, 534  
  *psilopterus*, 534  
  *sattleri*, 534  
  *terminimaculella*, 534  
Chipmunk, Yellow-pine, 299  
Chipmunks, *Tamias amoenus*, in Old Field and Orchard Habitats, Population Dynamics of Deer Mice, *Peromyscus maniculatus*, and Yellow-pine, 299  
*Chondrus crispus*, 226  
*Chorda filum*, 226  
*Chordaria flagelliformis*, 226  
Choreutidae, 536  
*Choreutis diana*, 536  
*Choristoneura albaniana*, 535  
  *conflictana*, 535  
  *fumiferana*, 361,535  
  *rosaceana*, 535  
*Choristostigma plumbosignale*, 537  
*Chrysanthemum formosa*, 541  
*Chytolita petrealis*, 540  
*Chytonix palliatricula*, 542  
*Cicuta maculata* var. *angustifolia*, 559  
*Cinclus mexicanus*, 443,446  
*Cinclus mexicanus*, Preys Upon Larval Tailed Frogs, *Ascaphus truei*, American Dipper, 446  
Cinquefoil, Tall, 573  
*Ciona intestinalis*, 79  
Ciprés, 132  
*Cirsium muticum*, 253  
Cirtwill, A., 604  
*Cladara atroliturata*, 539  
  *limitaria*, 539  
*Cladina rangiferina*, 591

- Clam, Butter, 77  
 Manila, 78  
 Native Little-neck, 77  
 Soft-shell, 78  
*Clangula hyemalis*, 604  
*Clangula hyemalis*, Two Great Black-backed Gulls, *Larus marinus*, Kill Male Longtailed Duck, 604  
 Clayburn, J.K., 615  
*Claytonia megarrhiza*, 558  
 Cleavers, 175  
*Clemensia albata*, 540  
*Clepis clemensiana*, 535  
*melaleucana*, 535  
*persicana*, 535  
*virescana*, 535  
*Clintonia borealis*, 362  
 Clintonia, Yellow, 362  
*Cliostomum griffithii*, 424  
*Clostera albosigma*, 540  
*apicalis*, 540  
*strigosa*, 540  
 Clover, 253, 362  
 Red, 574  
 Cluff, H.D., 239  
 Coad, B.W., Reviews by, 281, 282, 469  
 Cobb, L.M. and V.A. Cobb. Occurrence of Parasitoid Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, 122  
 Cobb, V.A., 122  
*Coccinella septempunctata*, 225, 309  
*transversoguttata*, 310  
*transversoguttata richardsonii*, 309  
*Coccotrema cucurbitula*, 420  
*maritimum*, 406  
*Cochylis nana*, 535  
 Cody, W.J., C.E. Kennedy, B. Bennett, and P. Caswell. New Records of Vascular Plants in the Yukon Territory VI, 558  
 Cody, W.J., Reviews by, 147, 289, 476  
*Coenophila opacifrons*, 543  
 Coirón Amargo, 132  
 Dulce, 132  
*Colaptes auratus*, 358  
*Coleophora* sp., 533  
*alnifoliae*, 533  
*comptoniella*, 533  
*corylifoliella*, 533  
*dextrella*, 533  
*duplicis*, 533  
*glaucicolella*, 533  
*mayrella*, 533  
*mcdunnoughiella*, 533  
*persimplexella*, 533  
*pruniella*, 533  
*rosavorella*, 533  
 Coleophoridae, 533  
*Coleotechnites atrupictella*, 534  
*blastivora*, 534  
*florae*, 534  
*piceaella*, 534  
*Collema fecundum*, 411  
*novozelandicum*, 420  
*Colletia spinosissima*, 132  
*Comptonia peregrina*, 196  
 Comtois, A., F. Chapleau, C.B. Renaud, H. Fournier, B. Campbell, et R. Pariseau. Inventaire printanier d'une frayère multispécifique: l'ichtyofaune des rapides de la rivière Gatineau, Québec, 521  
*Contopus cooperi*, 378  
*virens*, 232  
 Cook, F.R., Reviews by, 138, 141, 467  
 Cook, J.A., 438  
 Copepod, 77  
*Corispermum hyssopifolium sensu*, 568  
*ochotense* var. *alaskanum*, 558  
 Cormorant, Double-crested, 257  
 Great, 257  
 Corn, 253  
*Cornus canadensis*, 46  
*racemosa*, 342  
*stolonifera*, 253  
*Coronopus didymus*, 613  
*Corophium acherusicum*, 77  
*Corvus brachyrhynchos*, 232  
*caurinus*, 378  
*corax*, 273  
*Corylus cornuta*, 197, 251  
 COSEWIC Assessment Results November 2003, 155  
 Cosmopterigidae, 534  
 Cossidae, 534  
 Cotton-grass, Short-anthered, 566  
 Cottontail, Eastern, 342  
 Cottonwood, Black, 211, 355  
 Plains, 309  
*Cottus bairdi*, 323  
*cognatus*, 323  
*Cotula coronopifolia*, 169  
 Couette, 523  
 Cougar, 159, 370  
 Cougars, *Puma concolor vancouverensis*, Morphology and Population Characteristics of Vancouver Island, 159  
 Couleuvre brune, 136  
 mince, 135  
 rayée de l'est, 135  
 Couleuvre mince, *Thamnophis sauritus septentrionalis*, au Québec, Premières mentions de la, 135  
 Cowbird, Brown-headed, 378  
 Coyote, 41, 96, 116, 243, 278, 306, 341, 368, 606, 608  
 Western, 608  
 Coyote, *Canis latrans*, Severe Chronic Neck Injury Caused by a Snare in a, 243  
 Coyotes, *Canis latrans*, Evidence for the Use of Vocalization to Coordinate the Killing of a White-Tailed Deer, *Odocoileus virginianus*, by, 278  
 Coyotes, *Canis latrans*, in a Heterogeneous Environment, The Influence of Prey Availability and Vegetation Characteristics on Scent Station Visitation Rates of, 341  
 Crab, European Green, 82  
 Cambidae, 536  
*Crambus leachellus*, 536  
*perlellus*, 536  
 Crapet arlequin, 523  
 de roche, 523  
 soleil, 523  
*Crassostrea gigas*, 77  
*Crataegus* sp., 365  
 Creeper, Brown, 378  
 Cress, Penny, 573

- Crête, M., 360  
 Crow, American, 232  
   Northwestern, 378  
*Cryptocala acadiensis*, 543  
*Cryptococcus* spp., 41  
*Cryptogramma crispa* var. *acrostichoides*, 559  
*Cryptosula pallasiana*, 79  
*Cuculliinae*, 541  
*Cudweed*, Lowland, 169  
 Cumming, E.E. Habitat Segregation Among Songbirds in Old-Growth Boreal Mixedwood Forest, 45  
*Cyanocitta cristata*, 231  
*Cyclophora pendulinaria*, 538  
*Cydia flexiloqua*, 536  
   *populana*, 536  
*Cynosurus echinatus*, 176  
*Cyperus* sp., 180  
   *squarrosum*, 179  
*Cyperus*, Awned, 179  
*Cyprinidae*, 523  
*Cytisus scoparius*, 177
- Dactylis glomerata*, 174,300  
 Daigle, C., M. Crête, L. Lesage, J.-P. Ouellet, and J. Huot.  
   Summer Diet of Two White-tailed Deer, *Odocoileus virginianus*, Populations Living at Low and High Density in Southern Québec, 360  
*Danthonia californica*, 169  
   *spicata*, 277  
 Daoust, P.-Y. and P.H. Nicholson. Severe Chronic Neck Injury Caused by a Snare in a Coyote, *Canis latrans*, 243  
 Derbyshire, S.J. The Northern True Katydid, *Pterophylla camellifolia* (Orthoptera: Pseudophyllidae), at Ottawa, Ontario, 124  
 Darter, Iowa, 319  
   Johnny, 319  
   Rainbow, 319  
*Dasychira plagiata*, 540  
   *vagans*, 540  
*Daucus carota*, 342  
 Deer, 368  
   Columbia Black-tailed, 162  
   European Red, 132  
   Mule, 132,162,185,191,370,606  
   Red, 185  
   Roe, 134  
   Sika, 185  
   White-tailed, 40,96,127,185,278,360,370,606  
 Deer, *Cervus elaphus*, in Patagonia, Observations of Interactions between Puma, *Puma concolor*, and Introduced European Red, 132  
 Deer, *Odocoileus hemionus*, by a Canada Lynx, *Lynx canadensis*, in the Southern Canadian Rocky Mountains, Predation on Two Mule, 191  
 Deer, *Odocoileus virginianus*, by Coyotes, *Canis latrans*, Evidence for the Use of Vocalization to Coordinate the Killing of a White-Tailed, 278  
 Deer, *Odocoileus virginianus*, Populations Living at Low and High Density in Southern Québec, Summer Diet of Two White-tailed, 360  
 Deer, *Odocoileus virginianus*, with Medetomidine and Ketamine, and Antagonism with Atipamezole, Immobilization of Clover-trapped White-tailed, 185  
*Dendroica castanea*, 48  
   *cerulea*, 229  
   *coronata*, 48,86,232,378  
   *fusca*, 48  
   *magnolia*, 48  
   *pensylvanica*, 232  
   *petechia*, 86,232  
   *virens*, 48,232  
*Dendroica cerulea* Management on Eastern Ontario Bird Species, Predicting the Effects of Cerulean Warbler, 229  
*Depressariodes ciniflonella*, 533  
*Dermacentor variabilis*, 42  
*Dermochelys coriacea*, 72,579  
*Deschampsia brevifolia*, 559  
*Descurainia incisa* var. *incisa*, 559  
*Desmognathus ochrophaeus*, 136  
 de Solla, S.R. and K.J. Fernie. Is Cost of Locomotion the Reason for Prolonged Nesting Forays of Snapping Turtles, *Chelydra serpentina*?, 610  
 Desroches, J.-F. et I. Picard. Extension de l'aire de distribution connue de la Musaraigne fuligineuse, *Sorex fumeus*, dans le nord-est du Québec, 441  
 Desroches, J.-F. et R. Lapar. Premières mentions de la Couleuvre mince, *Thamnophis sauritus septentrionalis*, au Québec, 135  
*Diachrysia aereoides*, 541  
*Diasria dislocata*, 542  
   *rosaria*, 542  
   *rubifera*, 542  
 Dibb, A., 191  
*Dicamptodon copei*, 448  
   *ensatus*, 448  
*Dichomeris levisella*, 534  
*Dicrostonyx hudsonius*, 403  
   *richardsoni*, 403  
*Digrammia ripertaria*, 537  
*Dioryctria reniculelloides*, 536  
 Dipper, American, 443,446  
 Dipper, *Cinclus mexicanus*, Preys Upon Larval Tailed Frogs, *Ascaphus truei*, American, 446  
 Dock, Curled, 568  
*Dodecatheon hendersonii*, 175  
   *hendersonii* ssp. *hendersonii*, 175  
 Dogtail, Hedgehog, 176  
 Dogwood, 253  
   Gray, 342  
*Dolichomia thymetusalis*, 536  
 Doré jaune, 523  
   noir, 523  
*Dorosoma cepedianum*, 318  
 Douglas, G.W., 179  
 Douglas, G.W. Conservation Evaluation of Lemmon's Holly Fern, *Polystichum lemmonii*, a Threatened Fern in Canada, 164  
 Douglas, G.W. and J.L. Penny. Conservation Evaluation of Howell's Triteleia, *Triteleia howellii*, an Endangered Lily in Canada, 174  
 Douglas, G.W. and J.M. Illingworth. Conservation Evaluation of the Pacific Population of Tall Woolly-heads, *Psilocarpus elatior*, an Endangered Herb in Canada, 169  
*Douglasia alaskana*, 559  
   *arctica*, 558  
 Dowsley, M. and A. Cirtwill. Two Great Black-backed Gulls, *Larus marinus*, Kill Male Longtailed Duck, *Clangula hyemalis*, 604

- Draba aurea*, 559  
*corymbosa*, 550,559  
*crassifolia*, 559  
*glabella*, 559  
*nemorosa*, 559  
*ogilviensis*, 559  
*palanderiana*, 559  
*porsildii*, 559  
*stenoloba*, 559
- Draba, Golden, 571
- Drepana arcuata*, 537  
*bilineata*, 537
- Drepanidae, 537
- Dryas hookeriana*, 559
- Duchesne, L.C. and S. Wetzel. Effect of Fire Intensity and Depth of Burn on Lowbush Blueberry, *Vaccinium angustifolium*, and Velvet Leaf Blueberry, *Vaccinium myrtilloides*, Production in Eastern Ontario, 195
- Duck, American Black, 129,604  
 Black, 268  
 Longtailed, 604  
 Ring-necked, 268  
 Ruddy, 604  
 Wood, 131,230
- Duck, *Anas rubripes*, Broods, Extraordinary Size and Survival of American Black, 129
- Duck, *Clangula hyemalis*, Two Great Black-backed Gulls, *Larus marinus*, Kill Male Longtailed, 604
- Ducks, Barrow's Goldeneye, *Bucephala islandica*, and Surf Scoter, *Melanitta perspicillata*, in Coastal Southwestern British Columbia, Observations of Above-Surface Littoral Foraging in Two Sea, 264
- Duiker, Blue, 185
- Dulse, 226
- Dutton, P.H., 579
- Dyke, A.S., D.A. Hodgson, E.L. Bousfield, and R.E. Bedford. A Tribute to Victor Kent Prest (1913-2003), 626
- Dysstroma citrata*, 538  
*formosa*, 538  
*hersiliata*, 538  
*truncata*, 538  
*walkerata*, 538
- Eagle, Bald, 267
- Earthworm, 388
- Ecliptopera siliceata*, 538
- Ectropis crepuscularia*, 537
- Editor's Report for Volume 117 (2003), 296
- Eelgrass, 225,318
- Eelgrass, *Zostera marina*, Wrack by Three Species of Ladybird Beetles (Coleoptera: Coccinellidae) in Prince Edward Island, Use of, 225
- Egira dolosa*, 542
- Eider, Common, 258
- Eilema bicolor*, 540
- Elachista* sp., 533  
*adempta*, 533  
*albicapitella*, 533
- Elachistidae, 533
- Elaphria alapallida*, 542
- Elderberry, Red, 577
- Eleocharis elliptica*, 266  
*uniglumis*, 559
- Elk, 115,368  
 American, 132,606
- Elk, *Cervus elaphus*, and Wolves, *Canis lupus*, Unusual Behavior by Bison, *Bison bison*, Toward, 115
- Elm, American, 310,508
- Elodea canadensis*, 318
- Elymus alaskanus* ssp. *alaskanus*, 559  
*glaucus*, 559  
*macrourus*, 559  
*repens*, 253  
*spicatus*, 559  
*trachycaulis* ssp. *andinus*, 559
- Elytrigia intermedia*, 560
- Empidonax difficilis*, 378  
*minimus*, 86,232
- Emydura macquarii*, 610
- Enargia decolor*, 542  
*infumata*, 542
- Engeman, R.M., 201
- Enhydra lutris*, 270
- Enhydra lutris*, Sightings off Haida Gwaii/Queen Charlotte Islands, British Columbia, 1972-2002, Sea Otter, 270
- Ennominae, 537
- Ennomos magnaria*, 538
- Eosphoropteryx thyatyroides*, 541
- Ephebe lanata*, 424
- Epilobium angustifolium*, 253,365
- Epinotia castaneana*, 536  
*criddleana*, 536  
*lindana*, 536  
*momonana*, 536  
*nisella*, 536  
*rectiplicana*, 536  
*solandriana*, 536  
*transmissana*, 536  
*trigonella*, 536
- Epirrhoa alternata*, 539
- Epirrita autumnata*, 539
- Epp, B. and J.C. Tardif. Effects of Lodgepole Pine Dwarf Mistletoe, *Arceuthobium americanum*, on Jack Pine, *Pinus banksiana*, Growth in Manitoba, 595
- Equisetum* spp., 46  
*variegatum*, 591
- Equus cabalus*, 370
- Eraulis tiliaria*, 538
- Erethizon dorsatum*, 607
- Eremochelys imbricata*, 580
- Erickson, W.R. Bird Communities of the Garry Oak Habitat in Southwestern British Columbia, 376
- Erigeron caespitosus*, 559  
*hyperboreus*, 559
- Eriophorum brachyantherum*, 559
- Eritrichium aretioides*, 559  
*chamissonis*, 559
- Ermine, 243
- Ernst, J., 56,61
- Errata for *The Canadian Field-Naturalist* 118(3), 649
- Erratum *Canadian Field-Naturalist* 118(2), 485
- Esocidae, 523
- Esox lucius*, 523  
*masquinongy*, 523
- Espino Negro, 132
- Esturgeon jaune, 523
- Etheostoma caeruleum*, 319  
*exile*, 319  
*nigrum*, 319,523  
*olmstedi*, 523

- Eubaphe mendica*, 539  
*Euchlaena marginaria*, 538  
  *obtusaria*, 538  
  *tigrinaria*, 538  
*Eudonia albertalis*, 536  
*Eueretagrotis perattenta*, 543  
*Euhyonomeutoides graciliariella*, 532  
*Eulia ministrana*, 535  
*Eulithis explanata*, 538  
  *propulsata*, 538  
  *xylina*, 538  
*Eulogia ochrifrontella*, 536  
*Euonymus fortunei*, 614  
*Euphrasia subarctica*, 559  
*Euphyia intermediata*, 539  
*Eupithecia anticaria*, 539  
  *assimilata*, 539  
  *columbiata*, 539  
  *perfusca*, 539  
  *ravocostaliata*, 539  
  *satyrata*, 539  
  *stellata*, 539  
  *subfuscata*, 539  
*Euplexia benesimilis*, 542  
*Eurois asticta*, 543  
  *occulta*, 543  
*Eustrotiinae*, 541  
*Euthyatira pudens*, 537  
*Everes amyntula*, 537  
Everett, K.T. and K.A. Otter. Presence of Cavities in Snags  
  Retained in Forest Cutblocks: Do Management Policies Promote Species Retention?, 354  
*Evergestis pallidata*, 537  
  
*Fagus*, 52  
  *grandifolia*, 41,361,507  
*Falseflax*, 571  
*Feathermoss, Red-stemmed*, 591  
*Felis concolor*, 370  
Ferguson, C., 225  
Ferguson, S.H. and D.K.A. Berube. Invertebrate Diversity under Artificial Cover in Relation to Boreal Forest Habitat Characteristics, 386  
Fern, 159  
  Bracken, 196,251  
  Kruckeberg's Holly, 164  
  Lemmon's Holly, 164  
  Mountain Holly, 164  
  Nahanni Oak, 560  
  Ostrich, 46,253  
  Sensitive, 253  
  Sweet, 196  
Fern, *Polystichum lemmonii*, a Threatened Fern in Canada, Conservation Evaluation of Lemmon's Holly, 164  
Fernie, K.J., 610  
Fescue, Rocky Mountain, 563  
  Short-leaf, 562  
*Festuca brachyphylla*, 559  
  *pallescens*, 132  
  *richardsonii*, 559  
  *saximontana*, 559  
*Filatima abactella*, 534  
Finch, Purple, 378  
Fir, Balsam, 46,95,251,268,274,361,388,401,514,530  
  Douglas, 159,355,376,584,595  
  Sub-alpine, 191,355,584  
*Fireweed*, 253  
*Fisher*, 56,96,583  
*Flicker, Common*, 379  
  Northern, 358,378  
*Flounder, Starry*, 248  
*Flueck, W.T.* Observations of Interactions between Puma, *Puma concolor*, and Introduced European Red Deer, *Cervus elaphus*, in Patagonia, 132  
*Flycatcher, Least*, 232  
  Olive-sided, 378  
  Pacific-coast, 378  
  Pacific-slope, 378  
  Least, 86  
*Fool's-parsley*, 613  
*Forget-me-not*, 576  
Forshner, S.A., P.C. Paquet, F.G.M. Burrows, G.K. Neale, K.D. Wade and W.M. Samuel. Demographic patterns and limitations of Grey Wolves, *Canis lupus*, in and near Pukaskwa National Park, Ontario, 95  
*Fouille-roche gris*, 523  
  zébré, 523  
Fournier, H., 521  
Fox, 58,273  
  Arctic, 602  
  Red, 40,69,96,244,249,368  
Fox, *Alopex lagopus*, den by a Polar Bear, *Ursus maritimus*, Excavation of an Arctic, 602  
*Fragaria* sp., 365  
Fraser, S., 225  
*Fratercula arctica*, 258,604,615  
  *cirrhata*, 615  
  *corniculata*, 615  
*Fraxinus* sp., 136,253  
  *americana*, 361,508  
  *nigra*, 310,365  
  *pennsylvanica*, 309  
Frog, Red-legged, 448  
  Tailed, 447  
*Froglog*: Newsletter of the Declining Amphibian Populations Task Force, 155,294,484,645  
Frogs, *Ascaphus truei*, American Dipper, *Cinclus mexicanus*, Preys Upon Larval Tailed, 446  
*Fucus gardneri*, 406  
  *serratus*, 226  
Fungus, Nectria, 41  
*Furcellaria lumbicalis*, 226  
*Furcula modesta*, 540  
  *occidentalis*, 540  
  *scolopendrina*, 540  
*Fuscidea cyathoides*, 420  
  *intercincta*, 421  
  *mollis*, 424  
  *thomsonii*, 406  
*Fuscopannaria leucostictoides*, 411  
  *maritima*, 411  
  *thiersii*, 421  
  
*Galeopsis tetrahit* ssp. *bifida*, 560  
*Galium aparine*, 175  
Garbary, D.J., S. Fraser, C. Ferguson, and R.F. Lauff. Use of Elgrass, *Zostera marina*, Wrack by Three Species of Ladybird Beetles (Coleoptera: Coccinellidae) in Prince Edward Island, 225

- Gau, R.J., P.D. McLoughlin, R. Case, H.D. Cluff, R. Mulders, and F. Messier. Movements of Subadult Male Grizzly Bears, *Ursus arctos*, in the Central Canadian Arctic, 239
- Gaultheria procumbens*, 196  
*shallon*, 159
- Gavia* spp., 210  
*immer*, 210  
*pacifica*, 210  
*stellata*, 258
- Gavia* spp.) and Red-necked Grebe (*Podiceps grisegena*) Populations in the Lower Matanuska-Susitna Valley, Alaska, Changes in Loon, 210
- Gawn, M., Review by, 473
- Gelechia dyarella*, 534  
*lynceella*, 534
- Gelechiidae, 534
- Gelis* sp., 122
- Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in South-eastern Idaho, Occurrence of Parasitoid Wasps, *Baeus* sp. and, 122
- Gemsbok, 185
- Gende, S.M., 499
- Gentianella tenella*, 559
- Geometridae, 537
- Geothlypis trichas*, 86,232
- Geum aleppicum* ssp. *strictum*, 559  
*rossii*, 559
- Giberson, D.J., 425
- Gillespie, L.J., 326
- Ginns, J., Review, by, 146
- Gladders, A., 159
- Glaux maritimus*, 226
- Glen, W.M., 504
- Glaphisia avimacula*, 540  
*lintneri*, 540  
*septentrionis*, 540
- Glyceria striata* var. *stricta*, 559
- Glycine max*, 253
- Gnaphalium palustre*, 169
- Gnatcatcher, Blue-grey, 232
- Gnorimoschema septentrionella*, 534  
*vastificum*, 534
- Goat, Mountain, 370
- Goby, Round, 318  
 Tubenose, 318
- Goby, *Neogobius melanostomus* Pallas (Gobiidae), and Ectone Utilisation in St. Clair Lowland Waters, Ontario, Description of Age-0 Round, 318
- Goh, K.M.L., 159
- Goldeneye, 604  
 Barrow's, 264  
 Common, 267
- Goldeneye, *Bucephala islandica*, and Surf Scoter, *Melanitta perspicillata*, in Coastal Southwestern British Columbia, Observations of Above-Surface Littoral Foraging in Two Sea Ducks, Barrow's, 264
- Goldenrod, 253  
 Tall, 342
- Goldfinch, American, 378
- Goodwin, C.E., Review by, 138
- Goose, Canada, 268,602  
 Snow, 602
- Gracillariidae, 532
- Grand brochet, 523
- Graphiphora augur*, 543
- Grapholita lunatana*, 536
- Grass, 400  
 Annual Blue, 563  
 Cheat, 174  
 Creeping Bent, 562  
 Crested Wheat, 561  
 Forked Three-awned, 276  
 Fowl Marina, 563  
 Indian, 342  
 June, 563  
 Orchard, 174,300  
 Quack, 300  
 Western Rye, 562  
 Wheat, 584
- Grass, *Aristida basiramea* Engelm. ex Vasey: A New Addition to the Flora of Quebec, Forked Three-awned, 276
- Grayling, Arctic, 111
- Grayling, *Thymallus arcticus*, Consumption of Shrews, *Sorex* spp., by Arctic, 111
- Grebe, Red-necked, 210
- Grebe (*Podiceps grisegena*) Populations in the Lower Matanuska-Susitna Valley, Alaska, Changes in Loon (*Gavia* spp.) and Red-necked, 210
- Greya politella*, 532
- Griselda radicana*, 536
- Grosbeak, Rose-breasted, 232
- Grouse, 41  
 Ruffed, 232
- Guillemot, Black, 257
- Gull, 249,442  
 Bonaparte's, 443  
 Glaucous-winged, 443,616  
 Great Black-backed, 257,604  
 Herring, 257,443,449  
 Mew, 443  
 Ring-billed, 258
- Gulls, *Larus marinus*, Kill Male Longtailed Duck, *Clangula hyemalis*, Two Great Black-backed, 604
- Gulls, *Larus* spp., Foraging at Pink Salmon, *Oncorhynchus gorbuscha*, Spawning Runs, 442
- Gulo gulo luscus*, 56,61
- Gulo gulo luscus*, in the boreal forest, Effects of mid-winter snow depth on stand selection by Wolverines, 56
- Gulo gulo luscus*, Resting Sites and Caching Behavior in the Boreal Forest, Wolverine, 61
- Gyalecta jenensis*, 406
- Gymnocarpium jessoense* ssp. *parvulum*, 559
- Gypsonoma adjuncta*, 536  
*fasciolana*, 535  
*salicicola*, 536  
*substitutionis*, 536
- Gyrinus opacus*, 431
- Habrosyne scripta*, 537
- Hadeninae, 541
- Haemoproteus*, 236
- Hahn, A., 159
- Hairgrass, Early, 177  
 Mountain, 564
- Haliaeetus leucocephalus*, 267
- Hamr, J., 251

- Hansen, D.J. Observations of Habitat Use by Polar Bears, *Ursus maritimus*, in the Alaskan Beaufort, Chukchi, and Northern Bering Seas, 395
- Hansen, L.P., 185
- Haploa lecontei*, 540
- Hare, 607
- Snowshoe, 41,58,191,278,585
- Hare, J.F., G. Todd, and W.A. Untereiner. Multiple Mating Results in Multiple Paternity in Richardson's Ground Squirrels, *Spermophilus richardsonii*, 90
- Harrimanella stellariana*, 559
- Harris, A.G., 179
- Harris, J.G. Pilose Braya, *Braya pilosa* Hooker (Cruciferae; Brassicaceae), an Enigmatic Endemic of Arctic Canada, 550
- Harris, S.A. and P.W. Ball. New Records of Cyperaceae and Juncaceae from the Yukon Territory, 266
- Harrisimemna trisignata*, 541
- Hawk, Rough-legged, 268
- Hay, 361
- Hayward, J.L. and J.K. Clayburn. Do Rhinoceros Auklet, *Cerorhinca monocerata*, Fledglings Fly to the Sea from Their Natal Burrows?, 615
- Hazel, Beaked, 251
- Healy, C. and L.J. Gillespie. A Systematic Analysis of the Alpine Saxifrage Complex (Saxifragaceae) in the Canadian Arctic Islands Using Morphology and Chloroplast DNA Data, 326
- Hedeoma hispida*, 277
- Helcystogramma fernaldella*, 534
- Hellinsia homodactylus*, 536
- Hemicarpha*, 179
- Hemlock, 41,361,499
- Eastern, 251,508
- Mountain, 159
- Western, 159
- Hemp-nettle, 576
- Heptalidae, 532
- Heracleum*, 501
- Herminiinae, 540
- Heron, Great Blue, 230
- Herteliana alaskensis*, 408
- Hesperiidae, 537
- Heterocodon rariflorum*, 170
- Heterocodon, 170
- Hillia iris*, 542
- Hinam, H.L., S.G. Sealy, and T.J. Underwood. Ruby-throated Hummingbird, *Archilochus colubris*, Entanglements in Burdock, *Arctium* spp., at Delta Marsh, Manitoba, 85
- Hiodon tergisus*, 523
- Hiodontidae, 523
- Hippodamia convergens*, 309
- parenthesis, 309
- tredecimpunctata, 225,309
- Hippotragus equinus*, 185
- Hirundo rustica*, 230
- Hodgson, D.A., 626
- Hogue, E.J., 299
- Holodiscus discolor*, 176
- Homan, H.J., G.M. Linz, R.M. Engeman, and L.B. Penry. Spring Dispersal Patterns of Red-winged Blackbirds, *Agelaius phoeniceus*, Staging in Eastern South Dakota, 201
- Homarus americanus*, 82
- Homoglaea hircina*, 542
- Homohadena badistriga*, 541
- infixa, 541
- Homosetia fasciella*, 532
- Honeysuckle, Hairy, 176
- Hood, G.A. and T. Neufeld. First Record of Mountain Lions, *Puma concolor*, in Elk Island National Park, Alberta, 605
- Hop-clover, Small, 170
- Hordeum brachyantherum*, 559
- vulgare, 361
- Horse, Wild, 370
- Houston, C.S., Reviews by, 142,290,465,466,470,471,481,631, 633,635
- Huckleberry, Blue, 198
- Huettmann, F., Reviews by, 478,632
- Hummingbird, Ruby-throated, 85
- Rufous, 378
- Hummingbird, *Archilochus colubris*, Entanglements in Burdock, *Arctium* spp., at Delta Marsh, Manitoba, Ruby-throated, 85
- Huot, J., 360
- Hydrelia albifera*, 539
- Hydiromena furcata*, 539
- perfracta, 538
- renunciata, 539
- ruberata, 539
- Hydroporus appalachius*, 431
- geniculatus, 431
- hudsonicus, 432
- morio, 431
- Hydrozoan, 78
- Hygrotus novemlineatus*, 430
- Hyles gallii*, 540
- Hylocichla mustelina*, 232
- Hylocomium splendens*, 591
- Hypatopa titanella*, 533
- Hypena atomaria*, 541
- edictalis, 541
- humuli, 541
- Hypeninae, 541
- Hypenodes fractilinea*, 540
- Hyperaspis benedetti*, 312
- Hyppa contrasta*, 542
- Ichthyomyzon fossor*, 523
- unicuspis, 523
- Ictaluridae, 523
- Ictalurus punctatus*, 523
- Icterus galbula*, 232
- Idaea rotundopennata*, 538
- Idaho, Occurrence of Parasitoid Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern, 122
- Idia aemula*, 540
- americanalis, 540
- Illex illecebrosus*, 497
- Illingworth, J.M., 169
- Ilybius erichsoni*, 431
- Impala, 185
- Indian's Dream, 166
- Ipomorpha pleonectusa*, 542
- Iridopsis larvaria*, 537
- Iris setosa* ssp. *interior*, 559

- Iris, Wild, 567  
*Isoetes ?maritima*, 559  
  *echinospora*, 559  
Isopod, 389
- James, M.C., K. Martin, and P.H. Dutton. Hybridization between a Green Turtle, *Chelonia mydas*, and Loggerhead Turtle, *Caretta caretta*, and the First Record of a Green Turtle in Atlantic Canada, 579
- Jay, Blue, 231  
  Gray, 273  
John, R., Reviews by, 140,143,147,150,282,288,291,630,631, 634,636
- Joint, Blue, 591
- Jolicoeur, H., 608
- Jones, J., W.J. McLeish, and R.J. Robertson. Predicting the Effects of Cerulean Warbler, *Dendroica cerulea* Management on Eastern Ontario Bird Species, 229
- Junco hyemalis*, 235,381  
  *hyemalis cismontanus*, 235  
  *hyemalis hyemalis*, 235  
  *hyemalis oregonus*, 235
- Junco, Dark-eyed, 235,381  
*Junco hyemalis*, Breeding at Different Elevations, Parasite Prevalence in Dark-eyed Juncos, 235
- Juncos, *Junco hyemalis*, Breeding at Different Elevations, Parasite Prevalence in Dark-eyed, 235
- Juncus* spp., 400  
  *biflorus*, 170,559  
  *filiformis*, 559  
  *stygius* ssp. *americanus*, 267
- Juniper, Common, 166  
*Juniperus communis*, 166
- Kalmia*, 501  
  *angustifolia*, 196
- Katydid, Northern True, 124
- Katydid, *Pterophylla camellifolia* (Orthoptera: Pseudophyllidae), at Ottawa, Ontario, The Northern True, 124
- Kemp, J.F. and C.R. Lacroix. Estimation of Seed Bank and Seed Viability of the Gulf of Saint Lawrence Aster, *Sympyotrichum laurentianum*, (Fernald) Nesom, 105
- Kenagy, G.J., 111
- Kennedy, C.E., 558
- Kent, D., 264
- Kierstead, J., 444
- Killdeer, 445
- Kinglet, Golden-crowned, 48,86  
  Ruby-crowned, 48,86
- Kittiwake, Black-legged, 257
- Knapweed, Diffuse, 300
- Kneteman, J., 368
- Kobresia simpliciuscula*, 559
- Kobresia, Simple, 566
- Koeleria macrantha*, 559
- Kogia breviceps*, 495  
  *simus*, 495
- Kogia breviceps*, in the Northern Gulf of St. Lawrence, Canada, Stranding of a Pygmy Sperm Whale, 495
- Kohlmeyera complicatula*, 420,424
- Korscheltellus gracilis*, 532
- Kuzyk, G.W., J. Kneteman, and F.K.A. Schmiegelow. Winter Habitat Use by Wolves, *Canis lupus*, in Relation to Forest Harvesting in West-central Alberta, 368
- l'Esturgeon jaune, 521  
*Labidesthes sicculus*, 319
- Labrador, "Ashkui" Vernal Ice-cover Phenomena and Their Ecological Role in Southern, 267
- Labrador, First Record of a Barred Owl, *Strix varia*, in, 273
- Lacanobia radix*, 542
- Lace, Queen Anne's, 342
- Lacinipolia lorea*, 542  
  *renigera*, 542
- Lacroix, C.R., 105
- Lacroix, D.L., K.G. Wright, and D. Kent. Observations of Above-Surface Littoral Foraging in Two Sea Ducks, Barrow's Goldeneye, *Bucephala islandica*, and Surf Scoter, *Melanitta perspicillata*, in Coastal Southwestern British Columbia, 264
- Lactuca serriola*, 300
- Ladies'-tresses, Hooded, 567
- Lady's-fingers, 613
- Lagopus lagopus*, 602
- Lambdina fiscellaria*, 538
- Lamna nasus*, 245
- Lampetra appendix*, 523
- Lamproie argentée, 523  
  de l'est, 523  
  du nord, 523
- Lamy, R., 270
- Landry, J.-F., 530
- Langor, D.W., 530
- Lapar, R., 135
- Laquaiche argentée, 523
- Larch, Western, 595
- Larentiinae, 538
- Larivière, S., Review by, 139
- Larix laricina*, 63,136,370,510,590
- Larus* spp., 249,442  
  *argentatus*, 258,443,449  
  *canus*, 443  
  *delawarensis*, 258  
  *glaucus*, 443,616  
  *marinus*, 258,604  
  *philadelphicus*, 443
- Larus marinus*, Kill Male Longtailed Duck, *Clangula hyemalis*, Two Great Black-backed Gulls, 604
- Larus* spp., Foraging at Pink Salmon, *Oncorhynchus gorbuscha*, Spawning Runs, Gulls, 442
- Lasiocampidae, 539
- Lasionycta poca*, 542
- Lauff, R.F., 225
- Lauff, R.F., Reviews by, 144,145,288,630
- Laura, 132
- Laurel, Sheep, 196
- Lecanora* sp., 411  
  *actophila*, 420  
  *contractula*, 424  
  *dispersa*, 421  
  *helicopsis*, 420  
  *muralis*, 411  
  *poliophaea*, 424  
  *poliophaea* ssp. *poliophaea*, 421  
  *straminea*, 411  
  *tenera*, 424
- Lecidea conferenda*, 424
- Lecidella scabra*, 424  
  *stigmatica*, 411  
  *stigmatica* f. *stigmatica*, 424

- Ledum groenlandicum*, 591  
 Lemming, Brown, 440  
   Varying, 403  
*Lemmus trimucronatus*, 440  
*Lenga*, 132  
*Lepidium densiflorum* var. *densiflorum*, 559  
   *densiflorum* var. *macrocarpum*, 560  
*Lepidocheles kempii*, 580  
*Lepomis gibbosus*, 523  
   *macrochirus*, 318,523  
*Leptinotarsa decemlineata*, 226  
*Lepus* spp., 607  
   *americanus*, 41,58,191,278,585  
 Lesage, L., 360  
 Leslie, J.K. and C.A. Timmins. Description of Age-0 Round Goby, *Neogobius melanostomus* Pallas (Gobiidae), and Ecotone Utilisation in St. Clair Lowland Waters, Ontario, 318  
 Lettuce, Prickly, 300  
*Leucania insueta*, 542  
*Leucocytozoon*, 236  
 Lichen, 408  
   Grey Reindeer, 591  
*Lichina pygmaea*, 419  
 Lily-of-the-Valley, Wild, 362,567  
 Lim, B.K., Reviews by, 286,472  
*Limnaecia phragmitella*, 534  
*Limnodrilus monotheucus*, 78  
*Limonium nashii*, 226  
 Lingonberry, 591  
 Linz, G.M., 201  
 Lion, Mountain, 159,605  
 Lions, *Puma concolor*, in Elk Island National Park, Alberta, First Record of Mountain, 605  
*Lipocarpha micrantha*, 179  
 Lipocarpha, Small-flowered, 179  
 Lipocarpha, *Lipocarpha micrantha* (Cyperaceae), in Canada, Conservation Evaluation of Small-flowered, 179  
*Lipocarpha micrantha* (Cyperaceae), in Canada, Conservation Evaluation of Small-flowered Lipocarpha, 179  
*Lithacodia albidula*, 541  
*Litholomia napaea*, 542  
*Lithomoia germana*, 542  
*Lithophane innominata*, 542  
   *petulca*, 542  
*Lobophora nivigerata*, 539  
 Lobster, Atlantic, 82  
 Locoweed, Field, 574  
*Lolium perenne*, 170,174  
*Lomatia hirsuta*, 132  
 Longcore, J.R. and D.G. McAuley. Extraordinary Size and Survival of American Black Duck, *Anas rubripes*, Broods, 129  
*Lonicera hispidula*, 176  
*Lontra canadensis*, 96  
 Loon, 210  
   Common, 210  
   Pacific, 210  
   Red-throated, 256  
 Loon (*Gavia* spp.) and Red-necked Grebe (*Podiceps grisegena*) Populations in the Lower Matanuska-Susitna Valley, Alaska, Changes in, 210  
*Lophocampa maculata*, 540  
*Lophodytes cucullatus*, 131  
*Lotus corniculatus*, 365  
 Lousewort, Oeder's, 576  
*Lupinus nootkatensis*, 559  
*Lutra canadensis*, 267  
*Lucilus cornutus*, 523  
*Luzula arcuata* ssp. *unaliaschkenensis*, 559  
 Lycaenidae, 537  
*Lycia ursaria*, 537  
*Lycopodium complanatum*, 196  
 Lynmantriidae, 540  
 Lynx, 57,96,134  
   Canada, 191,583  
*Lynx canadensis*, 57,96,191,583  
   *lynx*, 134  
   *rufus*, 40  
*Lynx canadensis*, Distributions, A Snow-tracking Protocol Used to Delineate Local Lynx, 583  
*Lynx canadensis*, in the Southern Canadian Rocky Mountains, Predation on Two Mule Deer, *Odocoileus hemionus*, by a Canada Lynx, 191  
*Lynx*, *Lynx canadensis*, Distributions, A Snow-tracking Protocol Used to Delineate Local, 583  
*Lynx*, *Lynx canadensis*, in the Southern Canadian Rocky Mountains, Predation on Two Mule Deer, *Odocoileus hemionus*, by a Canada, 191  
*Lyonetia prunifoliella*, 533  
 Lyonetiidae, 533  
*Macaria bitactata*, 537  
   *brunneata*, 537  
   *loricaria*, 537  
   *signaria*, 537  
   *ulsterata*, 537  
 MacDonald, P., 444  
 MacDonald, S.O., A.M. Runck, and J.A. Cook. The Heather Vole, Genus *Phenacomys*, in Alaska, 438  
 MacDonnell, L., 444  
*Macleaya cordata*, 614  
 Madden, E.M., 400  
*Mahonia aquifolium*, 176  
*Maianthemum*, 500  
   *canadense*, 196,362  
   *canadense* ssp. *interius*, 559  
 Maier, T.J., 400  
 Maitén, 132  
 Malachigan, 523  
*Malacosoma disstria*, 540  
 Mallard, 130  
*Mallotus villosus*, 262  
*Malus* sp., 125  
   *domestica*, 299  
   *pumila*, 361  
 Manitoba\*. Density and Survival of Lady Beetles (Coccinellidae) in Overwintering Sites in, 309  
 Manitoba, Effects of Lodgepole Pine Dwarf Mistletoe, *Arceuthobium americanum*, on Jack Pine, *Pinus banksiana*, Growth in, 595  
 Manitoba, Hummock Vegetation at the Arctic Tree-line near Churchill, 590  
 Manitoba, Ruby-throated Hummingbird, *Archilochus colubris*, Entanglements in Burdock, *Arctium* spp., at Delta Marsh, 85  
 Manning (1911-1998), A Tribute to Thomas Henry, 618  
 Maple, Manitoba, 309  
   Mountain, 362  
   Red, 41,96,251,277,361,508

- Silver, 125  
 Sugar, 41,124,251,361,507  
*Mariagane noire*, 523  
*Marine Turtle Newsletter*, 156,294,484,645  
 Marmot, Hoary, 440  
     Vancouver, 403  
*Marmota caligata*, 438  
     *vancouverensis*, 403  
 Marten, 58,63  
     American, 96,438  
     Pine, 243  
*Martes americana*, 58,63,96,243,438  
     *pennanti*, 56,96,583  
 Martin, K., 579  
 Maskinongé, 523  
*Matteuccia struthiopteris*, 46,253  
*Maytenus boaria*, 132  
 McAlpine, D.F., S.A. Orchard, K.A. Sendall, and R. Palm.  
     Status of marine turtles in British Columbia waters:  
         a reassessment, 72  
 McAuley, D.G., 129  
 McCarthy, J., Reviews by, 150,152,640  
 McIntyre, R.T., 115  
 McKelvey, K.S., 583  
 McKnight, J., L. Thomas, and D.L. Amirault. Piping Plover,  
     *Charadrius melanotos*, egg viability after seawater im-  
         mersion, 448  
 McLeish, W.J., 229  
 McLoughlin, P.D., 239  
 McNicholl, M.K., Review by, 285  
 Meadow-foxtail, Carolina, 170  
 Measures, L., B. Roberge, and R. Sears. Stranding of a Pygmy  
     Sperm Whale, *Kogia breviceps*, in the Northern Gulf  
         of St. Lawrence, Canada, 495  
 Mech, L.D. and S. Tracy. Record High Wolf, *Canis lupus*,  
     Pack Density, 127  
 Mech, L.D., R.T. McIntyre and D.W. Smith. Unusual Behav-  
     ior by Bison, *Bison bison*, Toward Elk, *Cervus elaphus*,  
     and Wolves, *Canis lupus*, 115  
*Medicago sativa*, 361  
*Megasema c-nigrum*, 543  
*Melanchra adjuncta*, 542  
*Melanitta perspicillata*, 264  
*Melanitta perspicillata*, in Coastal Southwestern British  
     Columbia, Observations of Above-Surface Littoral  
     Foraging in Two Sea Ducks, Barrow's Goldeneye,  
     *Bucephala islandica*, and Surf Scoter, 264  
*Meleagris gallopavo silvestris*, 251  
*Meleagris gallopavo silvestris*, Behavior in Central Ontario  
     During Winter, Wild Turkey, 251  
*Melica subulata*, 176  
 Méné à nageoires rouges, 523  
     émeraude, 523  
     jaune, 523  
 Meningeal Worm, 40  
*Mephitis mephitis*, 40,69  
 Merganser, Hooded, 131  
*Mertensia paniculata* var. *alaskana*, 559  
*Mesoleuca ruficillata*, 539  
 Messier, F., 239  
*Metalepsis salicarum*, 543  
*Metanema determinata*, 538  
     *inatomaria*, 538  
 Meunier noir, 523  
 Meyer, T.M., 185  
 Mice, *Peromyscus maniculatus*, and Yellow-pine Chipmunks,  
     *Tamias amoenus*, in Old Field and Orchard Habitats,  
     Population Dynamics of Deer, 299  
*Micranthes kumlienii*, 326  
     *nivalis*, 326  
     *tenuis*, 326  
*Micropterus dolomieu*, 523  
     *salmoides*, 113,523  
*Microtus*, 345  
     *longicaudus*, 300  
     *montanus*, 300  
     *ochrogaster*, 342  
     *pennsylvanicus*, 342,400  
 Milfoil, Eurasian, 318  
 Millipede, 388  
 Mills, T.K. and B.A. Andres. Changes in Loon (*Gavia spp.*)  
     and Red-necked Grebe (*Podiceps grisegena*) Popula-  
     tions in the Lower Matanuska-Susitna Valley, Alaska,  
     210  
 Millspaugh, J.J., B.E. Washburn, T.M. Meyer, J. Beringer,  
     and L.P. Hansen. Immobilization of Clover-trapped  
     White-tailed Deer, *Odocoileus virginianus*, with Med-  
     etomidine and Ketamine, and Antagonism with Ati-  
     pamezole, 185  
*Mimulus guttatus*, 559  
 Mink, 96  
     European, 185  
 Minnow, Bluntnose, 318  
*Minuartia dawsonensis*, 559  
     *elegans*, 559  
     *macrocarpa*, 559  
     *obtusiloba*, 166  
     *yukonensis*, 559  
 Minutes of the 125<sup>th</sup> Annual Business Meeting of the Ottawa  
     Field-Naturalists' Club 13 January 2004, 486  
 Mistletoe, Lodgepole Pine Dwarf, 595  
 Mistletoe, *Arceuthobium americanum*, on Jack Pine, *Pinus*  
     *banksiana*, Growth in Manitoba, Effects of Lodgepole  
     Pine Dwarf, 595  
*Mizuhopecten yessoensis*, 78  
*Mniotilla varia*, 230  
*Molothrus ater*, 382  
*Mompha* sp., 533  
     *albabalpella*, 533  
     *terminella*, 533  
*Monarda punctata*, 277  
 Monkeyflower, Yellow, 576  
*Monopis laevigella*, 532  
     *spilotella*, 532  
*Montia fontana*, 559  
 Moore, J.W. and G.J. Kenagy. Consumption of Shrews, *Sorex*  
     spp., by Arctic Grayling, *Thymallus arcticus*, 111  
 Moose, 40,57,61,96,134,185,248,368,606  
 Moose Sickness, 40  
 Morrissey, C.A. and R.J. Olenick. American Dipper, *Cinclus*  
     *mexicanus*, Preys Upon Larval Tailed Frogs, *Ascaphus*  
     *truei*, 446  
 Moss, 253  
     Golden Fuzzy Fen, 591  
     Irish, 226  
     Stair-step, 591  
 Moth, 388  
 Moths and Butterflies (Lepidoptera) of the Boreal Mixedwood  
     Forest near Lac La Biche, Alberta, Including New  
     Provincial Records, 530

- Mountain-heather, Yellow, 575  
 Mountain-parsley, 560  
 Mouse, 342
  - Deer, 299,342,402
  - Great Basin Pocket, 300
  - Meadow Jumping, 403
  - Western Harvest, 300
  - White-footed, 299,342*Moxostoma* spp., 521
  - anisurum*, 523
  - carinatum*, 523
  - erythrurum*, 526
  - macrolepidotum*, 523
 Mulders, R., 239  
*Mulinum spinosum*, 132  
 Mullein, Great, 300  
 Muntz, E.M. and B.R. Patterson. Evidence for the Use of Vocalization to Coordinate the Killing of a White-Tailed Deer, *Odocoileus virginianus*, by Coyotes, *Canis latrans*, 278  
 Murray, D.F., Review by, 637  
 Murre, Common, 257
  - Thick-billed, 602
 Musaraigne cendrée, 441
  - fuligineuse, 441
 Musaraigne fuligineuse, *Sorex fumeus*, dans le nord-est du Québec, Extension de l'aire de distribution connue de la, 441  
 Muskrat, 267,602,607  
 Mussel, Bay, 264  
 Mustard, Tansy, 571  
*Mustela* spp., 96,306
  - erminea*, 243
  - lutreola*, 185
  - nivalis*, 403
  - vison*, 96*Mya arenaria*, 78  
*Myelopsis subterricella*, 536  
*Myosotis scorpioides*, 560  
*Myriophyllum spicatum*, 318
  - verticillatum*, 559*Myrrhis odorata*, 614  
 Myrrhis, Scented, 614  
*Mythimna oxygala*, 542  
*Mytilicola orientalis*, 77  
*Mytilus edulis*, 264
  - trossulus*, 264*Nadada gibbosa*, 540  
*Naemia serrata*, 227  
 Naseux des rapides, 523  
*Navarretia squarrosa*, 169  
 Neale, G.K., 95  
*Nectria coecinea* var. *faginata*, 41  
 Needle-and-thread, 564  
 Needlegrass, Spreading, 564  
*Nemapogon acapnopennella*, 532
  - roburella*, 532*Nematoxcampa resistaria*, 538  
*Nemophila parviflora*, 176  
 Nemophila, Small-flowered, 176  
 Neneo, 132  
*Neogobius melanostomus*, 318  
*Neotelphusa praefixa*, 534  
 Nepticulidae, 532  
*Nerodia sipedon sipedon*, 435  
*Nerodia sipedon sipedon*, Frequency of Tail Breakage of the Northern Watersnake, 435  
 Nettle, Stinging, 567  
 Neufeld, T., 605  
 Newbury, T.L., 267  
 Nguyen, L.P., J. Hamr, and G.H. Parker. Wild Turkey, *Meleagris gallopavo silvestris*, Behavior in Central Ontario During Winter, 251  
 Nicholson, P.H., 243  
*Niditinea orleansella*, 532  
*Nites betulella*, 533  
 Noctuidae, 540  
*Nostoc* sp., 594  
*Notemigonus crysoleucas*, 523  
*Nothofagus antarctica*, 132
  - pumilio*, 132*Notocelia culminana*, 535  
*Notodonta simplaria*, 540  
 Notodontidae, 540  
*Notropis atherinoides*, 319,523
  - hudsonius*, 318,523*Noturus insignis*, 523  
 Nova Scotia, Continuing Environmental Change: An Example from, 39  
*Nuphar polysepalum*, 559  
 Nuthatch, Red-breasted, 384  
*Nycteola frigidana*, 540  
 Nymphalidae, 537  
*Nymphalis antiopa*, 537  
 Nire, 132  
 Oak, 342
  - Bur, 310
  - California Black, 383
  - English, 125
  - Gambel, 383
  - Garry, 174,376
  - Red, 124,251
 Oak Habitat in Southwestern British Columbia, Bird Communities of the Garry, 376  
 Oat, 361,562  
 Oatgrass, California, 169  
*Oceanodroma leucorhoa*, 258  
 Oceanspray, 176  
*Ochrolechia subplicans*, 411
  - subplicans* ssp. *hultenii*, 420
  - subplicans* ssp. *subplicans*, 420*Odocoileus* spp., 368
  - hemionus*, 132,162,185,191,370,606
  - hemionus columbianus*, 162
  - virginianus*, 40,96,127,185,278,360,370,606*Odocoileus hemionus*, by a Canada Lynx, *Lynx canadensis*, in the Southern Canadian Rocky Mountains, Predation on Two Mule Deer, 191  
*Odocoileus virginianus*, by Coyotes, *Canis latrans*, Evidence for the Use of Vocalization to Coordinate the Killing of a White-Tailed Deer, 278

- Odocoileus virginianus*, Populations Living at Low and High Density in Southern Québec, Summer Diet of Two White-tailed Deer, 360
- Odocoileus virginianus*, with Medetomidine and Ketamine, and Antagonism with Atipamezole, Immobilization of Clover-trapped White-tailed Deer, 185
- Oecophoridae, 533
- Oenothera biennis*, 253
- Olenick, R.J., 446
- Olethreutes glaciana*, 535  
    *metallicana*, 535
- Olethreutinae, 535
- Oligia illocata*, 541  
    *mactata*, 541
- Oligochaete, 78
- Omisco, 523
- Oncorhynchus gorbuscha*, 442  
    *keta*, 248  
    *nerka*, 111,249,443
- Oncorhynchus gorbuscha*, Spawning Runs, Gulls, *Larus* spp., Foraging at Pink Salmon, 442
- Ondatra zibethicus*, 267,602,607
- Onion, Wild, 567
- Oniongrass, Alaska, 176
- Onoclea sensibilis*, 253
- Ontario Bird Species, Predicting the Effects of Cerulean Warbler, *Dendroica cerulea* Management on Eastern, 229
- Ontario, Demographic patterns and limitations of Grey Wolves, *Canis lupus*, in and near Pukaskwa National Park, 95
- Ontario, Description of Age-0 Round Goby, *Neogobius melanostomus* Pallas (Gobiidae), and Ecotone Utilisation in St. Clair Lowland Waters, 318
- Ontario During Winter, Wild Turkey, *Meleagris gallopavo silvestris*, Behavior in Central, 251
- Ontario, Effect of Fire Intensity and Depth of Burn on Lowbush Blueberry, *Vaccinium angustifolium*, and Velvet Leaf Blueberry, *Vaccinium myrtilloides*, Production in Eastern, 195
- Ontario Natural Heritage Information Centre Science and Information Newsletter 9(1) Winter 2004, 156
- Ontario: rabies management implications, Seasonal home ranges of raccoons using a common feeding site in rural eastern, 65
- Ontario, Significant Vascular Plant Records from the Hamilton Area, 612
- Ontario, The Northern True Katydid, *Pterophylla camellifolia* (Orthoptera: Pseudophyllidae), at Ottawa, 124
- Opegrapha* sp., 411  
    *gyrocarpa*, 406
- Operophtera bruceata*, 539
- Oplapanax*, 500  
    *horridum*, 500
- Orache, Alaskan, 568
- Orchard, S.A., 72
- Oreamnos americanus*, 370
- Oregon-grape, Tall, 176
- Oreodytes laevis*, 427  
    *sanmarkii*, 427
- Oreta rosea*, 537
- Oriole, Baltimore, 232
- Orobanche fasciculata*, 559
- Orthofidonia exornata*, 537
- Orthosia hibisci*, 542  
    *revicta*, 542  
    *segregata*, 542
- Oryx gazella*, 185
- Osprey, 267
- Otisorex*, 400
- Ottawa Field-Naturalists' Club Awards for 2003, The, 646
- Otter, K.A., 354
- Otter, River, 96,267  
    Sea, 270
- Otter, *Enhydra lutris*, Sightings off Haida Gwaii/Queen Charlotte Islands, British Columbia, 1972-2002, Sea, 270
- Ouellet, J.-P., 360
- Ouitouche, 523
- Ovenbird, 232
- Ovis canadensis*, 370
- Owl, Barred, 215,273  
    Great Horned, 222,273
- Owl, *Strix varia* in Alberta: Distribution and Status, The Barred, 215
- Owl, *Strix varia*, in Labrador, First Record of a Barred, 273
- Oxytrop, Arctic, 574
- Oxytropis arctica*, 558  
    *campestris* ssp. *varians*, 559
- Oxyura jamaicensis*, 604
- Oyster, Pacific, 77
- Pachnobia imperita*, 543  
    *mixta*, 543
- Palm, R., 72
- Palmaria palmata*, 226
- Palthis angulalis*, 540
- Pandemis canadana*, 535
- Pandion haliaetus*, 267
- Panic-grass, Yellow, 197
- Panicum xanthophysum*, 197
- Panthera tigris*, 185
- Papaver croceum*, 558  
    *nudicaule* ssp. *nudicaule*, 558
- Papilio canadensis*, 537
- Papilionidae, 537
- Paquet, P.C., 95
- Parapoxyns maculalis*, 537
- Parastichitis suspecta*, 541
- Pardosa lapidicina*, 123  
    *moesta*, 122  
    *sternalis*, 122
- Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, Occurrence of Parasitoid Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders, 122
- Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, Occurrence of Parasitoid Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and, 122
- Parectopa pennsylvaniella*, 532
- Parelaphostrongylus tenuis*, 40
- Pariseau, R., 521
- Parker, G.H., 251
- Parmelia saxatilis*, 406
- Parornix conspicuella*, 532
- Parrya arctica*, 560
- Parsnip, Cow 196
- Partridge, S.T., 247
- Passerina cyanea*, 232
- Patagonia, Observations of Interactions between Puma, *Puma concolor*, and Introduced European Red Deer, *Cervus elaphus*, in, 132

- Patinopecten* sp., 82  
*caurinus*, 78  
Patterson, B.R., 278  
*Pediasia dorsipunctella*, 537  
*Pedicularis oederi*, 559  
*Pelonaia corrugata*, 79  
Penny, J.L., 174  
Penry, L.B., 201  
Pepper-grass, Common, 572  
*Perca flavescens*, 521  
Perchaude, 523  
Percidae, 521  
*Percina caprodes*, 523  
*copelandi*, 523  
Percopsidae, 523  
*Percopsis omiscomaycus*, 523  
*Perisoreus canadensis*, 273  
*Perispasta caeculalis*, 537  
*Perizoma basaliata*, 539  
*Pero honestaria*, 538  
*Perognathus parvus*, 300  
*Peromyscus* spp., 342  
*leucopus*, 299,342  
*maniculatus*, 299,342,402  
*Peromyscus maniculatus*, and Yellow-pine Chipmunks, *Tamias amoenus*, in Old Field and Orchard Habitats, Population Dynamics of Deer Mice, 299  
Perry, N.D., D.T. Stewart, E.M. Madden, and T.J. Maier. New Records for the Arctic Shrew, *Sorex arcticus* and the Newly Recognized Maritime Shrew, *Sorex maritimensis*, 400  
Peterkin, P., Review by, 641  
Petrel, Leach's Storm, 258  
Petromyzontidae, 523  
Phacelia, Macbride's, 576  
*Phacelia mollis*, 559  
*Phalacrocorax auritus*, 258  
*carbo*, 258  
*Phalaenophana pyramusalis*, 540  
*Phalaenostola hanhami*, 540  
*Phaneta awemeana*, 535  
*convergana*, 535  
*parmatana*, 535  
*Phenacomys intermedius*, 438  
*intermedius intermedius*, 438  
*ungava*, 438  
*Phenacomys*, in Alaska, The Heather Vole, Genus, 438  
*Phoezia rimosa*, 540  
*Pheucticus ludovicianus*, 232  
Phillips, F., 273  
*Phleum pratense*, 253  
*Phlogophora periculosa*, 542  
*Phlox hoodii*, 559  
Phlox, Moss, 575  
*Phlyctaenia coronata*, 537  
*Phoca hispida*, 395,602  
*Phragmatobia assimilans*, 540  
*Phyllodesma americana*, 539  
*Phyllocladus glanduliflora*, 559  
*Phyllonorycter* sp., 532  
*martiella*, 532  
*Physcia caesia*, 411  
*Physeter macrocephalus*, 495  
Picard, I., 441  
*Picea* spp., 57,61  
*engelmannii*, 191,584  
*glauca*, 46,95,211,218,249,251,274,361,370,388,401,  
504,530,590  
*glauca X engelmannii*, 355  
*marianna*, 62,95,268,274,370,388,504,590  
*rubens*, 41,52,510  
*sitchensis*, 499  
*Picoides pubescens*, 358  
Pieridae, 537  
*Pieris oleracea*, 537  
*Pimephales notatus*, 318  
Pine, Eastern White, 251  
Ground, 196  
Jack, 95,196,253,388,595  
Lodgepole, 58,62,191,355,370,499,561,584,595  
Ponderosa, 198,300,383,595  
Red, 196,251  
White, 41,196,277  
Whitebark, 584  
Pine, *Pinus banksiana*, Growth in Manitoba, Effects of Lodgepole Pine Dwarf Mistletoe, *Arceuthobium americanum*, on Jack, 595  
*Pinguicula villosa*, 559  
*Pinus* spp., 60  
*albicaulis*, 584  
*banksiana*, 95,196,253,388,595  
*contorta*, 58,62,191,370,499,584,595  
*contorta* ssp. *latifolia*, 559  
*contorta* var. *latifolia*, 355  
*ponderosa*, 198,300,383,595  
*resinosa*, 196,251  
*strobos*, 41,196,251,277  
*Pinus banksiana*, Growth in Manitoba, Effects of Lodgepole Pine Dwarf Mistletoe, *Arceuthobium americanum*, on Jack Pine, 595  
*Pipilo maculatus*, 378  
*Piranga ludoviciana*, 378  
*Piranga olivacea*, 232  
*Pisaster ochraceus*, 265  
*Pissodes strobi*, 41  
Pitcher, K., 270  
*Placopsis gelida*, 424  
*lambii*, 406  
*Plagiobothrys scouleri*, 170  
*Plagodis alcoolaria*, 538  
*phlogosaria*, 538  
*pulveraria*, 538  
Painain, Seaside, 577  
*Plantago* spp., 247  
*canescens*, 559  
*maritima*, 559  
*Plasmodium* spp., 237  
*Platarctia parthenos*, 540  
*Platichthys stellatus*, 248  
*Platynota idaeusalis*, 535  
*Platypodium concavum*, 125  
*Platypolia anceps*, 542  
*Plemyria georgii*, 538  
*Pleurozium schreberi*, 591  
Plover, Piping, 444,448  
Snowy, 445  
Plover, *Charadrius melanotos*, egg viability after seawater immersion, Piping, 448  
Plover, *Charadrius melanotos*, Nesting in Eastern Canada, Sequential Polyandry in Piping, 444

- Plume-poppy, 614  
*Plusia putnami*, 541  
 Plusiinae, 541  
*Plutella xylostella*, 533  
 Plutellidae, 533  
*Poa* spp., 300  
*annua*, 560  
*compressa*, 277  
*interior*, 558  
*leptocoma*, 559  
*nemoralis*, 558  
*pratensis*, 176  
*secunda*, 559  
*Podiceps grisegena*, 210  
*Podiceps grisegena*) Populations in the Lower Matanuska-Susitna Valley, Alaska, Changes in Loon (*Gavia* spp.) and Red-necked Grebe, 210  
*Podistera macounii*, 559  
*Poecile atricapillus*, 232  
*hudsonicus*, 48  
*rufescens*, 378  
 Pohl, G.R., D.W. Langor, J.-F. Landry, and J.R. Spence. Moths and Butterflies (Lepidoptera) of the Boreal Mixed-wood Forest near Lac La Biche, Alberta, Including New Provincial Records, 530  
 Point Pelee Natural History News 3(4), 155  
*Polemonium acutiflorum* forma *lacteum*, 558  
*boreale* forma *albiflorum*, 558  
*Polia imbrifera*, 542  
*nimbosa*, 542  
*Poliopelta caerulea*, 232  
*Polix coloradella*, 533  
*Polychidium muscicola*, 424  
*Polychrysia esmerelda*, 541  
*Polygonatum pubescens*, 196  
*Polygonia satyrus*, 537  
*Polygonum lapathifolium*, 559  
*viviparum*, 591  
*Polystichum kruckebergii*, 164  
*lemonii*, 164  
*mohrioides*, 164  
*scopulinum*, 164  
*Polystichum lemonii*, a Threatened Fern in Canada, Conservation Evaluation of Lemmon's Holly Fern, 164  
*Polytrichadelphus lyelli*, 421  
*Pomoxis nigromaculatus*, 523  
 Pond-lily, Yellow, 569  
 Pondweed, 318  
 Curly, 318  
 Flatstemmed, 561  
 Sago, 561  
 Variable-leaved, 561  
 White-stemmed, 561  
 Popcornflower, Scouler's, 170  
 Poplar, Balsam, 62,218,268,530  
*Populus* spp., 52,57,61,511  
*balsamifera*, 62,136,218,268,530  
*balsamifera* ssp. *trichocarpa*, 355  
*deltoides*, 309  
*grandidentata*, 136  
*tremuloides*, 46,62,96,136,211,218,251,268,274,277, 316,342,355,361,370,388,515,530,584  
*trichocarpa*, 211  
 Porbeagle, 245  
 Porcupine, 607  
*Porina chlorotica*, 421  
*pacifica*, 406  
*Porpidea speirea*, 415  
*carlottiana*, 411  
*contraponenda*, 406  
*speirea*, 406  
*thomsonii*, 406  
 Poszig, D., C.D. Apps, and A. Dibb. Predation on Two Mule Deer, *Odocoileus hemionus*, by a Canada Lynx, *Lynx canadensis*, in the Southern Canadian Rocky Mountains, 191  
*Potamogeton* spp., 318,365  
*alpinus* ssp. *tenuifolius*, 559  
*berchtoldii*, 559  
*crispus*, 318  
*gramineus*, 559  
*pectinatus*, 559  
*praelongus*, 559  
*subsibiricus*, 559  
*zosteriformis*, 559  
*Potentilla arguta* ssp. *convallaria*, 573  
*arguta* var. *convallaria*, 559  
 Prairie-crocus, 569  
 Prest (1913-2003), A Tribute to Victor Kent, 626  
 Primrose, Evening, 253  
*Primula eximia*, 559  
*tschuktschorum* ssp. *cairnesiana*, 575  
 Prince Edward Island, A Mapping of the Present and Past Forest-types of, 504  
 Prince Edward Island, Use of Eelgrass, *Zostera marina*, Wrack by Three Species of Ladybird Beetles (Coleoptera: Coccinellidae) in, 225  
*Prionoxystus robiniae*, 534  
*Procyon lotor*, 65  
 Prodoxidae, 532  
*Propylea quatuordecimpunctata*, 225  
*Proterorhinus marmoratus*, 318  
*Protitame virginalis*, 537  
*Protoboarmia porcelaria*, 537  
*Protolampra rufipectus*, 543  
*Protolithocolletis lathyri*, 532  
*Protorthodes oviduca*, 542  
*Protothaca staminea*, 77  
 Pruitt, W.O., Jr., Review by, 638  
*Prunus* sp., 136  
*pensylvanica*, 365  
*pumila*, 196  
*serotina*, 365  
*virginiana*, 253,362  
*Pseudacris maculata*, 136  
*Pseudexentera oregonae*, 536  
*Pseudohermonassa tenuicula*, 543  
*Pseudosciaphila duplex*, 535  
*Pseudothyatira cymatophoroides*, 537  
*Pseudotsuga menziesii*, 159,376,584  
*menziesii* var. *glauca*, 355  
*menziesii* var. *menziesii*, 599  
*Psilocarphus elatior*, 169  
*tenellus* var. *tenellus*, 169  
*Psilocarphus elatior*, an Endangered Herb in Canada, Conservation Evaluation of the Pacific Population of Tall Woolly-heads, 169  
*Psyllobora virginimaculata*, 312  
 Ptarmigan, Willow, 602  
*Pteridium aquilinum*, 196,251

- Pterophoridae, 536  
*Pterophylla*, 125  
*camellifolia*, 124  
*Pterophylla camellifolia* (Orthoptera: Pseudophyllidae), at Ottawa, Ontario, The Northern True Katydid, 124  
*Ptychoramphus aleuticus*, 616  
*Puccinellia interior*, 559  
Puffin, Atlantic, 257,604,615  
Horned, 615  
Tufted, 615  
*Pulsatilla ludoviciana*, 559  
*Puma concolor*, 132,605  
*concolor vancouverensis*, 159  
Puma, 132  
*Puma concolor*, and Introduced European Red Deer, *Cervus elaphus*, in Patagonia, Observations of Interactions between Puma, 132  
*Puma concolor*, in Elk Island National Park, Alberta, First Record of Mountain Lions, 605  
*Puma concolor vancouverensis*, Morphology and Population Characteristics of Vancouver Island Cougars, 159  
Puma, *Puma concolor*, and Introduced European Red Deer, *Cervus elaphus*, in Patagonia, Observations of Interactions between, 132  
*Punctelia stictica*, 424  
Pyralidae, 536  
*Pyrausta borealis*, 537  
*nicalis*, 537  
*Pyrenocollema halodytes*, 410  
*sublitorale*, 424  
*Pyrola minor*, 559  
Quackgrass, 253  
Quail, California, 378  
Québec, Extension de l'aire de distribution connue de la Musaraigne fuligineuse, *Sorex fumeus*, dans le nord-est du, 441  
Quebec, Forked Three-awned Grass, *Aristida basiramea* Engelm. ex Vasey: A New Addition to the Flora of, 276  
Québec, Inventaire printanier d'une frayère multispécifique: l'ichtyofaune des rapides de la rivière Gatineau, 521  
Québec, Premières mentions de la Couleuvre mince, *Thamnophis sauritus septentrionalis*, au, 135  
Québec, Summer Diet of Two White-tailed Deer, *Odocoileus virginianus*, Populations Living at Low and High Density in Southern, 360  
Quenouilles, 136  
*Quercus* spp., 342,365  
*alba*, 342  
*candicans*, 383  
*gambelii*, 383  
*garryana*, 174,376  
*kelloggii*, 383  
*laurina*, 383  
*macrocarpa*, 310,342  
*obtusata*, 383  
*robur*, 125  
*rubra*, 124,251,342  
*rugosa*, 383  
Queue à tache noire, 523  
Quillwort, Bristle-like, 560  
Maritime, 560  
Raccoon, 65  
Raccoons using a common feeding site in rural eastern Ontario: rabies management implications, Seasonal home ranges of, 65  
Radal, 132  
Ragweed, Hybrid, 613  
Ragwort, Dryland, 577  
Rail, J.-F. and G. Chapdelaine. Fifteenth Census of Seabird Populations in the Sanctuaries of the North Shore of the Gulf of St. Lawrence, 1998-1999, 256  
Rainette faux-grillon boréale, 136  
Raisin, Northern Wild, 253  
*Ramalina siliquosa*, 420  
*Rana aurora*, 448  
Randa, L.A. and J.A. Yunger. The Influence of Prey Availability and Vegetation Characteristics on Scent Station Visitation Rates of Coyotes, *Canis latrans*, in a Heterogeneous Environment, 341  
*Rangifer tarandus*, 39,119,192,241,362,602  
*tarandus caribou*, 57,61,119,368  
*tarandus tarandus*, 96,185  
*Rangifer tarandus caribou*, in Saskatchewan, Morphology of Female Woodland Caribou, 119  
*Ranunculus aquatilis* var. *subrigidus*, 559  
*occidentalis* var. *brevistylis*, 559  
*Raphia frater*, 541  
Raptor, 306  
Raseux-de-terre gris, 523  
noir, 523  
Raspberry, 251  
Raum-Suryan, K., K. Pitcher, and R. Lamy. Sea Otter, *Enhydra lutris*, Sightings off Haida Gwaii/Queen Charlotte Islands, British Columbia, 1972-2002, 270  
Raven, 273  
Razorbill, 257  
Redcedar, Western, 159  
Redstart, American, 232  
*Regulus calendula*, 48,86  
*satrapa*, 48,86  
Reindeer, 185  
*Reithrodontomys megalotis*, 300  
Renaud, C.B., 521  
RENEW. 2004. Recovery of Nationally Endangered Wildlife in Canada. Annual Report (14), 644  
*Retinia burkeana*, 535  
Rettie, W.J. Morphology of Female Woodland Caribou, *Rangifer tarandus caribou*, in Saskatchewan, 119  
*Rheum rhabarbarum*, 560  
*Rhigognostis interrupta*, 533  
*Rhinanthus minor* ssp. *borealis*, 559  
*catarractae*, 523  
*Rhizocarpon*, 411  
*cinereovirens*, 421  
*geminatum*, 411  
*haidensis*, 411  
*hensseniae*, 408  
*hochstetteri*, 411  
*maritimum*, 421  
Rhubarb, 568  
*Ribes*, 500  
*oxyacanthoides* ssp. *oxyacanthoides*, 559  
Richardson, E.S. and R.K. Brook. Excavation of an Arctic Fox, *Alopex lagopus*, den by a Polar Bear, *Ursus maritimus*, 602  
*Rinodina gennari*, 408

- Rissa tridactyla*, 258  
*Rivula propinqualis*, 540  
*Rivulinae*, 540  
 Roberge, B., 495  
 Robertson, R.J., 229  
 Robin, American, 381  
 Rock-Cress, Wall, 570  
 Rockweed, 406  
*Rorippa barbareifolia*, 558  
*Rosa blanda*, 253  
*woodsii*, 559  
 Rosatte, R.C., 65  
 Rose, Smooth Wild, 253  
 Western, 574  
 Rosell, F., 434  
 Rothfels, C. Significant Vascular Plant Records from the Hamilton Area, Ontario, 612  
*Rubus* spp., 251,365,500  
*ideaus*, 197  
*spectabilis*, 500  
 Ruggiero, L.F., 583  
*Rumex crispus*, 560  
 Runck, A.M., 438  
 Rush, 400  
 Toad, 170,567  
 Russell, 1904-1998, A Tribute to Loris Shano, 451  
 Ryegrass, Perennial, 170,174  
  
*Sabia conica*, 78  
 Sagebrush, 300  
*Sagittaria* sp., 318  
 Salal, 159  
 Salamander, Cope's, 448  
 Pacific Giant, 448  
 Salamandre sombre des montagnes, 136  
*Salix* spp., 57,136,180,211,247,253,268,356,365,370,530  
*alaxensis* ssp. *longistylis*, 559  
*amagdaloides*, 309  
*glauca* var. *acutifolia*, 559  
*novae-angliae*, 567  
*pseudomyrsinifolius*, 559  
*rotundifolia* ssp. *dodgeana*, 559  
*Salmo clarki*, 448  
*salar*, 77  
*trutta*, 113,523  
 Salmon, Atlantic, 77  
 Chum, 248  
 Pink, 442  
 Red, 249  
 Sockeye, 111,443  
 Salmon, *Oncorhynchus gorbuscha*, Spawning Runs, Gulls,  
*Larus* spp., Foraging at Pink, 442  
 Salmonidae, 523  
 Salsify, Yellow, 300  
*Salvelinus namaycush*, 523  
*Sambucus*, 501  
*racemosa*, 500  
*racemosa* ssp. *pubens*, 559  
 Samuel, W.M., 95  
*Sander* spp., 521  
*canadensis*, 523  
*vitreus*, 523  
 Sander-Regier, R., Reviews by, 153,474,477,478,632  
 Sandlance, 262  
 Sandpiper, Spotted, 444  
 Sandwort, Alpine, 166  
 Sanicle, Pacific, 174  
*Sanicula crassicaulis* var. *crassicaulis*, 174  
*Sargassum muticum*, 77  
*Sarrothripinae*, 540  
 Sarsasparilla, Wild, 46  
 Saskatchewan, Morphology of Female Woodland Caribou,  
*Rangifer tarandus caribou*, in, 119  
 Saskatoon, 573  
*Saxidomus giganteus*, 77  
*Saxifraga*, 326  
*caespitosa*, 559  
*eschscholtzii*, 559  
*foliolosa*, 327,559  
*gaspensis*, 327  
*hieracifolia*, 336  
*nelsoniana* ssp. *pacifica*, 559  
*nivalis*, 326  
*nivalis* var. *gaspensis*, 327  
*nivalis* var. *labradorica*, 327  
*nivalis* var. *rufopilosa*, 327  
*nivalis* var. *tenuis*, 326  
*rufopilosa*, 327,559  
*tenuis*, 326  
*tricuspidata*, 559  
 Saxifrage, Prickly, 573  
 Scale, Woolly Beech, 41  
 Scallop, Weathervane, 82  
 Scaup, Greater, 268  
*Schinus patagonicus*, 132  
*Schizoporella unicornis*, 79  
*Schizura leptinoides*, 540  
*unicornis*, 540  
 Schmelzer, I. and F. Phillips. First Record of a Barred Owl,  
*Strix varia*, in Labrador, 273  
 Schmiegelow, F.K.A., 368  
 Schoen, J.W., 247  
 Sciaenidae, 523  
*Scirpus* spp., 318  
*americanus*, 226  
*cyperinus*, 402  
*maritimus*, 226  
*rollandii*, 559  
*Scoparia biplagialis*, 531  
*Scopula ancillata*, 538  
*frigidaria*, 538  
*junctaria*, 538  
*limboundata*, 538  
 Scoter, Surf, 264  
 Scoter, *Melanitta perspicillata*, in Coastal Southwestern British Columbia, Observations of Above-Surface Littoral Foraging in Two Sea Ducks, Barrow's Goldeneye, *Bucephala islandica*, and Surf, 264  
 Scouring-rush, Variegated, 591  
*Scymnus (Pullus) brullei*, 312  
 Seal, Ringed, 395,602  
 Sealy, S.G., 85  
 Sears, R., 495  
 Sea Star, Ochre, 265  
 Seaweed, 77  
*Sargassum*, 78  
 Seburn, C., Reviews by, 149,635  
 Seburn, D., Reviews by, 140,143,468,471  
 Sedge, 318,400  
 Blunt, 565

- Green-sheathed, 170  
 Houton's, 197  
 Mud, 591  
 One-sided, 169  
 Ross', 566  
 Slender-beaked, 169  
 Two-toned, 564  
 Water, 591  
*Seiurus aurocapilla*, 232  
*noveboracensis*, 232  
*Selasphorus rufus*, 378  
*Selenia alciphearia*, 538  
*Semibalanus* spp., 406  
*Semioscopis inornata*, 533  
*Semotilus corporalis*, 523  
 Sendall, K.A., 72  
*Senecio eremophilus*, 558  
 Sergeant, D.E., Review by, 144  
 Serviceberry, 196  
*Setaria viridis*, 558  
*Setophaga ruticilla*, 232  
 Seymour, K.L. A Tribute to Loris Shano Russell, 1904-1998, 451  
 Shackleton, D.M., 159  
 Shad, American, 77  
 Gizzard, 318  
 Sharpe, F., 434  
 Shaverdo, H.V. and D.J. Giberson. Predaceous Water Beetles (Coleoptera: Adephaga: Dytiscidae, Gyrinidae) Collected Along the Horton and Thelon Rivers in the Arctic Central Barrens of Canada, 425  
 Sheep, Bighorn, 370  
 Shepherd, German, 247  
 Shepherd's-purse, 571  
 Shiner, Emerald, 319  
 Spottail, 318  
 Shooting-star, Broad-leaved, 175  
 Shrew, 111  
 Arctic, 400  
 Gaspé, 403  
 Maritime, 400  
 Masked, 400  
 Northern Short-tailed, 402  
 Pygmy, 402  
 Smoky, 400  
 Tundra, 400  
 Shrew, *Sorex arcticus* and the Newly Recognized Maritime Shrew, *Sorex maritimensis*, New Records for the Arctic, 400  
 Shrew, *Sorex maritimensis*, New Records for the Arctic Shrew, *Sorex arcticus* and the Newly Recognized Maritime, 400  
 Shrews, *Sorex* spp., by Arctic Grayling, *Thymallus arcticus*, Consumption of, 111  
*Sicya macularia*, 538  
*Silene involucrata* ssp. *tenella*, 559  
*vulgaris*, 560  
*williamsii*, 559  
 Silverside, Brook, 319  
*Sinapis arvensis*, 560  
*Sinoe* sp., 534  
 Siskin, Pine, 378  
*Sisymbrium altissimum*, 300  
*Sitta canadensis*, 384  
 Skunk, Striped, 40,69  
 Skunkweed, 169  
 Sloan, N.A., 405  
 Sloan, N.A. and P.M. Bartier. Introduced Marine Species in the Haida Gwaii (Queen Charlotte Islands) Region, British Columbia, 77  
 Slug, 388  
 Smartwood, Pale, 568  
*Smerinthus cerisyi*, 540  
 Smith, C.M., Reviews by, 284,287  
 Smith, D.W., 115  
 Smith, T., Reviews by, 146,148,480,641  
 Smith, T.S., S.T. Partridge, and J.W. Schoen. Interactions of Brown Bears, *Ursus arctos*, and Gray Wolves, *Canis lupus*, at Katmai National Park and Preserve, Alaska, 247  
 Smith, T.W., G.W. Douglas and A.G. Harris. Conservation Evaluation of Small-flowered Lipocarpha, *Lipocarpha micrantha* (Cyperaceae), in Canada, 179  
 Snail, 78,388  
 Snake, Butler's Garter, 435  
 Snake, Eastern Garter, 435  
 Garter, 448  
 Northern Ribbon, 435  
 Snowberry, Common, 175  
 Sobey, D.G. and W.M. Glen. A Mapping of the Present and Past Forest-types of Prince Edward Island, 504  
*Solidago* spp., 253,365  
*altissima*, 342  
*canadensis* var. *salebrosa*, 560  
 Solomon's Seal, Hairy, 196  
*Somateria mollissima*, 258  
*Sonchus* sp., 365  
*arvensis* ssp. *uliginosus*, 560  
*Sorbus americana*, 362  
*Sorex* spp., 111,400  
*araneus*, 113  
*arcticus*, 400  
*arcticus arcticus*, 402  
*arcticus laricorum*, 402  
*arcticus maritimensis*, 400  
*cinereus*, 111,400,441  
*fumeus*, 400,441  
*gaspensis*, 403  
*hoyi*, 112,402  
*maritimensis*, 400  
*monticolus*, 111,438  
*tundrensis*, 112,400  
*yukonicus*, 112  
*Sorex arcticus* and the Newly Recognized Maritime Shrew, *Sorex maritimensis*, New Records for the Arctic Shrew, 400  
*Sorex fumeus*, dans le nord-est du Québec, Extension de l'aire de distribution connue de la Musaraigne fuligineuse, 441  
*Sorex maritimensis*, New Records for the Arctic Shrew, *Sorex arcticus* and the Newly Recognized Maritime Shrew, 400  
*Sorex* spp., by Arctic Grayling, *Thymallus arcticus*, Consumption of Shrews, 111  
*Sorgastrum nutans*, 342  
 South Dakota, Spring Dispersal Patterns of Red-winged Blackbirds, *Agelaius phoeniceus*, Staging in Eastern, 201  
 Sow-thistle, Perennial, 578  
 Soybean, 253

- Spargania luctuata*, 539  
*Sparganothis* sp., 535  
  *reticulatana*, 535  
  *xanthoides*, 535  
Sparrow, Chipping, 378  
  Song, 378  
  White-crowned, 378  
*Spartina* spp., 400  
  *alterniflora*, 226  
  *patens*, 226  
Spence, J.R., 530  
*Spermophilus* spp., 90  
  *beecheyi*, 90  
  *beldingi*, 90  
  *brunneus*, 91  
  *columbianus*, 90  
  *parryii*, 91  
  *richardsonii*, 90  
  *tridecemlineatus*, 90  
*Spermophilus richardsonii*, Multiple Mating Results in Multiple Paternity in Richardson's Ground Squirrels, 90  
*Sphagnum*, 499  
Sphingidae, 540  
Spider, Wolf, 122  
Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, Occurrence of Parasitoid Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf, 122  
*Spilonema revertens*, 410  
*Spiraea latifolia*, 253  
*Spiranthes romanzoffiana*, 560  
*Spizella passerine*, 378  
Springbeauty, Alpine, 568  
Springtail, 389  
Spruce, Black, 57,61,95,268,274,370,388,504,590  
  Engelmann, 191,584  
  Norway, 124  
  Red, 41,52,514  
  Sitka, 499  
  White, 46,57,61,95,211,218,249,251,274,355,361,370,  
   388,401,504,530,590  
Squid, 497  
Squires, J.R., K.S. McKelvey, and L.F. Ruggiero. A Snow-tracking Protocol Used to Delineate Local Lynx, *Lynx canadensis*, Distributions, 583  
Squirrel, Arctic Ground, 91  
  Belding's Ground, 90  
  California Ground, 90  
  Columbian Ground, 90  
  Idaho Ground, 91  
  Red, 607  
  Richardson's Ground, 90  
  Thirteen-lined Ground, 90  
Squirrels, *Spermophilus richardsonii*, Multiple Mating Results in Multiple Paternity in Richardson's Ground, 90  
Starflower, 575  
Starling, European, 378  
*Stellaria umbellata*, 560  
*Stenolechia* sp., 534  
*Sterna caspia*, 258  
  *hirundo*, 258  
  *paradisaea*, 258  
*Sternotherus odoratus*, 136  
Sterrhmae, 538  
*Stethorus punctum*, 312  
Stewart, D.T., 400  
*Stictotarsus griseostriatus*, 430  
*Stigmella* sp., 532  
*Stipa comata*, 560  
  *nelsonii* ssp. *dorei*, 560  
  *richardsonii*, 560  
  *speciosa* var. *major*, 132  
Stoffel, M.J., Review by, 284  
*Storeria dekayi*, 136  
Storm-Petrel, Leach's, 259  
Strawberry-blite, 568  
*Strepsimaniac*, 540  
*Streptopus*, 500  
  *amplexifolius*, 500  
*Strix varia*, 215,273  
*Strix varia* in Alberta: Distribution and Status, The Barred Owl, 215  
*Strix varia*, in Labrador, First Record of a Barred Owl, 273  
*Sturnus vulgaris*, 378  
*Subularia aquatica* ssp. *americana*, 560  
Sucker, White, 319  
Sullivan, D.S., 299  
Sullivan, T.P., D.S. Sullivan, and E.J. Hogue. Population Dynamics of Deer Mice, *Peromyscus maniculatus*, and Yellow-pine Chipmunks, *Tamias amoenus*, in Old Field and Orchard Habitats, 299  
Swallow, Barn 230  
  Violet-green, 379  
*Swammeadania caesiella*, 532  
Sweet, Meadow, 253  
*Sylvilagus*, 345  
  *floridanus*, 342  
*Symporicarpos albus*, 175  
*Sympyotrichum laurentianum*, 105  
*Sympyotrichum laurentianum*, (Fernald) Nesom, Estimation of Seed Bank and Seed Viability of the Gulf of Saint Lawrence Aster, 105  
*Synaptomyia borealis*, 438  
*Syncitia oblitalis*, 537  
*Syncopacula* sp., 534  
*Syndemis afflictana*, 535  
*Syngrapha alias*, 541  
  *octoscripta*, 541  
  *rectangula*, 541  
  *viridisigma*, 541  
Takats Priestley, L. The Barred Owl, *Strix varia* in Alberta: Distribution and Status, 215  
Tamarack, 63,370,515,590  
*Tamias amoenus*, 299  
*Tamias amoenus*, in Old Field and Orchard Habitats, Population Dynamics of Deer Mice, *Peromyscus maniculatus*, and Yellow-pine Chipmunks, 299  
*Tamiasciurus hudsonicus*, 607  
*Tanacetum vulgare*, 560  
Tanager, Scarlet, 232  
  Western, 378  
*Taniva albolineana*, 535  
Tansey, Common, 578  
*Taraxacum officinale*, 365  
Tardif, J.C., 595  
*Taxus canadensis*, 41,365  
Tea, Common Labrador, 591  
Teal, Green-winged, 131  
*Teleiodes proximella*, 534

- Telfer, E.S. Continuing Environmental Change: An Example from Nova Scotia, 39
- Tephromela atra*, 424
- Tern, Arctic, 257
- Caspian, 258
  - Common, 257
- Tews, J. Hummock Vegetation at the Arctic Tree-line near Churchill, Manitoba, 590
- Thamnophis* spp., 448
- butleri*, 435
  - sauritus*, 135,435
  - sauritus septentrionalis*, 135
  - sirtalis*, 435
  - sirtalis sirtalis*, 135
- Thamnophis sauritus septentrionalis*, au Québec, Premières mentions de la Couleuvre mince, 135
- Thistle, Swamp, 253
- Thlaspi arvense*, 560
- Thomas, L., 448
- Thomsen, L.R., F. Sharpe, and F. Rosell. Collapsing Burrow Causes Death of a Eurasian Beaver, *Castor fiber*, 434
- Thrush, Swainson's, 382
- Wood, 232
- Thryomanes bewickii*, 378
- Thuja occidentalis*, 96,136,253,361,508
- plicata*, 159
- Thymallus arcticus*, 111
- thymallus*, 113
- Thymallus arcticus*, Consumption of Shrews, *Sorex* spp., by Arctic Grayling, 111
- Tick, American Dog, 42
- Tiger, 185
- Tilia americana*, 253,310
- Timmings, C.A., 318
- Timothy, 253
- Tineidae, 532
- Tinline, R.R., 65
- Todd, G., 90
- Tofieldia coccinea*, 560
- Tomentypnum nitens*, 591
- Tortricidae, 534
- Tortricinae*, 534
- Tortue musquée, 136
- Totton, S.C., R.C. Rosatte, R.R. Tinline, and L.L. Bigler. Seasonal home ranges of raccoons using a common feeding site in rural eastern Ontario: rabies management implications, 65
- Touladi, 523
- Towhee, Spotted, 378
- Tracheoniscus rathkei*, 388
- Tracy, S., 127
- Tragopogon dubius*, 300
- Trechus obtusus*, 79
- Trichodezia albovittata*, 539
- Trientalis europaea*, 560
- Trifolium* spp., 253,362
- dubium*, 170
  - pratense*, 560
- Triglochin* spp., 247
- maritima*, 226
  - palustre*, 560
- Trillium* sp., 365
- Triphosa haesitata*, 539
- Triteleia grandiflora*, 174
- grandiflora* var. *howellii*, 174
- howellii*, 174
- Triteleia, Howell's, 174
- Triteleia howellii*, an Endangered Lily in Canada, Conservation Evaluation of Howell's Triteleia, 174
- Triteleia, *Triteleia howellii*, an Endangered Lily in Canada, Conservation Evaluation of Howell's, 174
- Troglydotes aedon*, 378
- Trout, Brown, 113
- Cutthroat, 448
- Truite brune, 523
- Trypanosoma*, 236
- avium*, 237
- Tsuga* spp., 499
- canadensis*, 41,251,361,508
  - heterophylla*, 159
  - mertensiana*, 159
- Tubularia crocea*, 78
- Tumble-mustard, Tall, 300
- Tunicate, 79
- Turdus migratorius*, 381
- Turkey, Eastern Wild, 251
- Turkey, *Meleagris gallopavo silvestris*, Behavior in Central Ontario During Winter, Wild, 251
- Turnock, W.J. and I.L. Wise. Density and Survival of Lady Beetles (Coccinellidae) in Overwintering Sites in Manitoba\*, 309
- Turtle, Green, 72,579,611
- Hawksbill, 580
  - Kemp's Ridley, 580
  - Leatherback, 72,579
  - Loggerhead, 579
  - Murray Short-necked, 610
  - Snapping, 610
- Turtle, *Caretta caretta*, and the First Record of a Green Turtle in Atlantic Canada, Hybridization between a Green Turtle, *Chelonia mydas*, and Loggerhead, 579
- Turtle, *Chelonia mydas*, and Loggerhead Turtle, *Caretta caretta*, and the First Record of a Green Turtle in Atlantic Canada, Hybridization between a Green, 579
- Turtle in Atlantic Canada, Hybridization between a Green Turtle, *Chelonia mydas*, and Loggerhead Turtle, *Caretta caretta*, and the First Record of a Green, 579
- Turtles, *Chelydra serpentina*?, Is Cost of Locomotion the Reason for Prolonged Nesting Forays of Snapping, 610
- Turtles in British Columbia waters: a reassessment, Status of marine, 72
- Tylothallia bififormigera*, 424
- Typea* spp., 136,318
- latifolia*, 253,546,560
- Udea itysalis*, 537
- Ulmus americana*, 310,508
- Underwood, T.J., 85
- Untereiner, W.A., 90
- Update on Quebec Amphibian and Reptile Atlas Project: Rana-Saura 6(2), 294
- Uraniidae, 539
- Uria aalge*, 258
- lomvia*, 602
- Urodidae, 536
- Ursus* spp., 443
- americanus*, 41,96,370
  - arctos*, 117,134,239,247,370,499,603
  - maritimus*, 395,602

- Ursus arctos*, and Gray Wolves, *Canis lupus*, at Katmai National Park and Preserve, Alaska, Interactions of Brown Bears, 247
- Ursus arctos*, in Southeastern Alaska, Seed Dispersal by Brown Bears, 499
- Ursus arctos*, in the Central Canadian Arctic, Movements of Subadult Male Grizzly Bears, 239
- Ursus maritimus*, Excavation of an Arctic Fox, *Alopex lagopus*, den by a Polar Bear, 602
- Ursus maritimus*, in the Alaskan Beaufort, Chukchi, and Northern Bering Seas, Observations of Habitat Use by Polar Bears, 395
- Urtica dioica* ssp. *gracilis*, 560
- Utricularia minor*, 560
- Vaccinium* sp., 159,251,500  
*alaskense*, 500  
*angustifolium*, 195  
*globulare*, 198  
*membranaceum*, 560  
*myrtilloides*, 195  
*ovalifolium*, 500  
*vitis-idaea*, 591
- Vaccinium angustifolium*, and Velvet Leaf Blueberry, *Vaccinium myrtilloides*, Production in Eastern Ontario, Effect of Fire Intensity and Depth of Burn on Lowbush Blueberry, 195
- Vaccinium myrtilloides*, Production in Eastern Ontario, Effect of Fire Intensity and Depth of Burn on Lowbush Blueberry, *Vaccinium angustifolium*, and Velvet Leaf Blueberry, 195
- Vahlodea atropurpurea*, 560
- Valerian, Sitka, 577
- Valeriana sitchensis*, 560
- Vallisneria americana*, 318
- Veery, 232
- Venerupis philippinarum*, 78
- Venusia cambrica*, 539  
*pearsallii*, 539
- Verbascum thapsus*, 300
- Verbena bonariensis*, 614
- Vermivora celata*, 381  
*chrysopera*, 232  
*peregrina*, 48
- Vernalgrass, Sweet, 177
- Verrucaria* sp., 406  
*amphibia*, 411  
*degetii*, 411  
*durietzii*, 420  
*epimaura*, 406  
*erichsenii*, 410  
*halizoa*, 424  
*maura*, 408  
*mucosa*, 410  
*sandstedei*, 406  
*schofieldii*, 406  
*silicicola*, 424  
*striatula*, 406
- Vervain, Purpletop, 614
- Vetch, American, 300,574  
 Common, 174
- Viburnum*, 500  
*cassinoides*, 253
- Vicia americana*, 300,560  
*sativa*, 174
- Villemure, M. and H. Jolicoeur. First Confirmed Occurrence of a Wolf, *Canis lupus*, South of the St. Lawrence River in Over 100 Years, 608
- Viola praemorsa* ssp. *praemorsa*, 175  
*renifolia* var. *brainerdii*, 560
- Violet, Kidney-leaved, 574  
 Yellow Montane, 175
- Vireo cassini*, 378  
*flavifrons*, 232  
*gilvus*, 232  
*olivaceus*, 231  
*solitarius*, 48
- Vireo, Blue-headed, 48  
 Cassin's, 378  
 Red-eyed, 231  
 Warbling, 232  
 Yellow-throated, 232
- Vole, 342  
 Heather, 438  
 Long-tailed, 300  
 Meadow, 342,400  
 Montane, 300  
 Prairie, 342
- Vole, Genus *Phenacomys*, in Alaska, The Heather, 438
- Vulpes vulpes*, 40,58,69,96,244,249,273,368
- Wade, K.D., 95
- Wall-creeper, 614
- Warbler, Bay-breasted, 48  
 Black-and-white, 230  
 Black-throated Green, 48,232  
 Blackburnian, 48  
 Cerulean, 229  
 Chestnut-sided, 232  
 Golden-winged, 232  
 Magnolia, 48  
 Myrtle, 48  
 Orange-crowned, 381  
 Tennessee, 48  
 Townsend's, 382  
 Yellow, 86,232  
 Yellow-rumped, 48,86,232,378
- Warbler, *Dendroica cerulea* Management on Eastern Ontario Bird Species, Predicting the Effects of Cerulean, 229
- WARS 1983-2002 Special Annual Report Wildlife Accident Reporting and Mitigation, 645
- Wart-cress, Lesser, 613
- Washburn, B.E., 185
- Wasp, Parasitoid, 122
- Wasps, *Baeus* sp. and *Gelis* sp., in the Egg Sacs of the Wolf Spiders *Pardosa moesta* and *Pardosa sternalis* (Araneae, Lycosidae) in Southeastern Idaho, Occurrence of Parasitoid, 122
- Water-hemlock, Spotted, 574
- Watersnake, Northern, 435
- Watersnake, *Nerodia sipedon sipedon*, Frequency of Tail Breakage of the Northern, 435
- Waterthrush, Northern, 232
- Waterweed, Canada, 318
- Waxwing, Cedar, 232,378
- Weasel, 96,306  
 Least, 403
- Weathervane X Japanese Scallop Hybrid, 78
- Weed, Willow, 568

- Weevil, White Pine, 41  
 Wetzel, S., 195  
 Whale, Dwarf Sperm, 495  
   Pygmy Sperm, 495  
   Sperm, 495  
 Whale, *Kogia breviceps*, in the Northern Gulf of St. Lawrence, Canada, Stranding of a Pygmy Sperm, 495  
 Wheatgrass, Crested, 300  
 Whip-poor-will, 230  
 Whitlow-grass, Wood, 572  
 Wilkerson, C.D., 267  
 Williston, P., Review by, 290  
 Willow, 57,211,247,253,268,356,370,530  
   Peachleaf, 309  
 Willson, M.F. and S.M. Gende. Seed Dispersal by Brown Bears, *Ursus arctos*, in Southeastern Alaska, 499  
 Willson, M.F. Gulls, *Larus* spp., Foraging at Pink Salmon, *Oncorhynchus gorbuscha*, Spawning Runs, 442  
 Wilson, S.F., A. Hahn, A. Gladders, K.M.L. Goh, and D.M. Shackleton. Morphology and Population Characteristics of Vancouver Island Cougars, *Puma concolor vancouverensis*, 159  
 Wintergreen, 196  
 Wise, I.L., 309  
*Wockia asperipunctella*, 536  
 Wolf, 115,127,134,278,368,603,608  
   Eastern, 608  
   Gray [Grey], 42,57,61,95,194,247,350,361,608  
 Wolf, *Canis lupus*, Pack Density, Record High, 127  
 Wolf, *Canis lupus*, South of the St. Lawrence River in Over 100 Years, First Confirmed Occurrence of a, 608  
 Wolverine, 56,61  
 Wolverine, *Gulo gulo luscus*, Resting Sites and Caching Behavior in the Boreal Forest, 61  
 Wolverines, *Gulo gulo luscus*, in the boreal forest, Effects of mid-winter snow depth on stand selection by, 56  
 Wolves, *Canis lupus*, at Katmai National Park and Preserve, Alaska, Interactions of Brown Bears, *Ursus arctos*, and Gray, 247  
 Wolves, *Canis lupus*, in and near Pukaskwa National Park, Ontario, Demographic patterns and limitations of Grey, 95  
 Wolves, *Canis lupus*, in Relation to Forest Harvesting in West-central Alberta, Winter Habitat Use by, 368  
 Wolves, *Canis lupus*, Unusual Behavior by Bison, *Bison bison*, Toward Elk, *Cervus elaphus*, and, 115  
 Wood-Pee wee, Eastern, 232  
 Woodlouse, 388  
 Woodpecker, Downy, 358  
 *Woodsia alpina*, 560  
   *ilvensis*, 560  
 Woodsia, Northern, 560  
   Rusty, 560  
 Woolly-heads, Slender, 169  
   Tall, 169  
 Woolly-heads, *Psilocarphus elatior*, an Endangered Herb in Canada, Conservation Evaluation of the Pacific Population of Tall, 169  
 Wren, Bewick's, 378  
   House, 378  
 Wright, J.D. and J. Ernst. Effects of mid-winter snow depth on stand selection by Wolverines, *Gulo gulo luscus*, in the boreal forest, 56  
 Wright, J.D. and J. Ernst. Wolverine, *Gulo gulo luscus*, Resting Sites and Caching Behavior in the Boreal Forest, 61  
 Wright, K.G., 264  
*Xanthia tatago*, 542  
*Xanthocephalus xanthocephalus*, 207  
*Xanthorhoe abrasaria*, 539  
   *decoloraria*, 539  
   *ferrugata*, 539  
   *fossaria*, 539  
   *iduata*, 539  
   *lacustrata*, 539  
*Xanthoria*, 420  
   *candelaria*, 411  
   *parietina*, 420  
*Xanthotype sospeta*, 538  
*Xenolechia aethiops*, 534  
*Xestia normaniana*, 543  
   *smithii*, 543  
*Xylena curvimacula*, 542  
*Xylotype arcadia*, 542  
 Yarrow, 166  
 Yellowthroat, Common, 86,232  
 Yew, Canada, 41  
 Yponomeutidae, 532  
*Ypsolopha canariella*, 533  
   *dentiferella*, 533  
 Yukon Territory, New Records of Cyperaceae and Juncaceae from the, 266  
 Yukon Territory VI, New Records of Vascular Plants in the, 558  
 Yunger, J.A., 341  
*Zanclognatha latalba*, 540  
*Zapus hudsonius*, 403  
*Zeu mays*, 253,365  
*Zeiraphera canadensis*, 536  
   *fortunana*, 536  
   *unfortunana*, 536  
*Zenophleps alpinata*, 539  
*Zonotrichia leucophrys*, 378  
*Zophodia grossulariella*, 536  
*Zostera marina*, 225  
*Zostera marina*, Wrack by Three Species of Ladybird Beetles (Coleoptera: Coccinellidae) in Prince Edward Island, Use of Eelgrass, 225

## Index to Book Reviews

### **Botany**

- Berkutenko, A.N., H.G. Lumsden, and D. Lumsden. *Flora and Climatic Conditions of the North Pacific: A Collection of Scientific Papers*, 637
- Berесford-Kroeger, D. *Arboretum America, A Philosophy of the Forest*, 474
- Boulet, B. *Les champignons des arbres de l'est de l'Amérique du Nord*, 146
- Clark, L.J. *Lewis Clark's Field Guide to Wild Flowers of the Sea Coast in the Pacific Northwest*, 476
- Clark, L.J. *Wild Flowers of Field & Slope in the Pacific Northwest*, 289,476
- Clark, L.J. *Wild Flowers of Forest & Woodland in the Pacific Northwest*, 289,476
- Clark, L.J. *Wild Flowers of the Mountains in the Pacific Northwest*, 289,476
- DiGregorio, M.J. and J. Wallner. *Cape Cod Wildflowers: A Vanishing Heritage*, 475
- Gleason, H.A. and A. Cronquist. *Manual of Vascular Plants of Northeastern United States and Adjacent Canada: Second Edition*, 147
- Martin, N.D. and N.M. Martin. *Biotic Forest Communities of Ontario*, 146
- Martin, P. *The Wild Orchids of North America, North of Mexico*, 147
- Nicholls G. and R. Lupp. *Alpine Plants of North America: An Encyclopedia of Mountain Flowers from the Rockies to Alaska*, 474
- Trelawny, J.G. *Wild Flowers of the Yukon, Alaska & Northwestern Canada*, 2nd Edition, 289
- Waldron, G. *Trees of the Carolinian Forest: A Guide to Species, Their Ecology and Uses*, 148

### **Environment**

- Boelens, B. and M. Watkins. *Whose Bird?* 150
- Bryson, M.A. *Visions of the Land: Science, Literature, and the American Environment from the Era of Exploration to the Age of Ecology*, 478
- Conner, J.K. and D.L. Hartl. *A Primer of Ecological Genetics*, 480
- Czajkowski, C. *Snowshoes & Spotted Dick: Letters from a Wilderness Dweller*, 151
- Dietrich, W. *Natural Grace: The Charm, Wonder, & Lessons of Pacific Northwest Animals & Plants*, 152
- Frelich, L.E. *Forest Dynamics and Disturbance Regimes: Studies from Temperate Evergreen-Deciduous Forests*, 150
- Josephson Weddell, B. *Conserving Living Resources in the Context of a Changing World*, 477
- Mitchell, B. *Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty*, 640
- Newell, J. *The Russian Far East*, 638
- Suzuki, D. and Dressel, H. *Good News for a Change: How Everyday People are Helping the Planet*, 149
- Wolfe, D.W. *Tales from the Underground: A Natural History of Subterranean Life*, 153
- Young, A.G. and G.M. Clarke. *Genetics, Demography and viability of Fragmented Populations*, 478

### **Miscellaneous**

- Burnett, J.A. *A Passion for Wildlife: The History of the Canadian Wildlife Service*, 290

Edlow, J.A. *Bull's Eye: Unraveling the Medical Mystery of Lyme Disease*, 641

Jennings, J. *The Canoe: A Living Tradition*, 290

Kareiva, P. and S.A. Levin. *The Importance of Species: Perspective on Expendability and Triage*, 641

Snetsinger, P. *Birding on Borrowed Time*, 291

Yochelson, E.L. Smithsonian Institution Secretary Charles Doolittle Walcott, 481

### **Zoology**

Attenborough, D. *The Life of Mammals*, 286

Bird, D.M. *The Bird Almanac*, 630

Bowman, T.D. *Field Guide to Bird Nests and Eggs of Alaska's Coastal Tundra*, 632

Bumstead, P.E. *Canadian Skin and Scales: A Complete Encyclopedia of Canadian Amphibians and Reptiles*, 467

Cannings, R. and S. Cannings. *British Columbia: A Natural History*. Revised and Updated, 631

Carroll, D. *Self-Portrait With Turtles: A Memoir*, 471

Cox, B. *Conversations with an Eagle*, 283

Crump, M. *In Search of the Golden Frog*, 282

del Hoyo, J., A. Elliott and D. Christie. *Handbook of Birds of the World: Volume 9 Cotingas to Pipits and Wagtails*, 631

Ducey, J.E. *Birds of the Untamed West: The History of Bird-life in Nebraska, 1750 to 1975*, 466

Duff, A. and A. Lawson. *Mammals of the World: A Checklist*, 634

Dunne, P. *Pete Dunne on Bird Watching: The How-to, Where-to and When-to of Birding*, 473

Early, C. *Sparrows and Finches of the Great Lakes and Eastern North America*, 288

Early, C. *Warblers of the Great Lakes and Eastern North America*, 288

Eisner, T. *For Love of Insects*, 468

Feldhamer, G.A., B.C. Thompson and J.A. Chapman. *Wild Mammals of North America: Biology, Management, and Conservation* (Second edition), 472

Ferrari, A. & A. Sharks, 282

FERRI, V. *Turtles and Tortoises*, 143

Heide-Jørgensen, M.P., O. Wiig, and D.G. Pike. *Belugas in the North Atlantic and the Russian Arctic*, 144

Heintzelman, D. *All-Weather Hawk Watcher's Field Journal*, 471

Heintzelman, D.S. *Guide to Hawk Watching in North America*, 632

Johnsgard, P.A. *North American Owls, Biology and Natural History*, Second Edition, 284

Johnston, D.W. *The History of Ornithology in Virginia*, 470

Jones, H.L. *Birds of Belize*, 140

Joyst, A. and M.G. Sullivan. *Fish of Alberta*, 281

Limbert, M. *The Uses and Curation of Birds' Egg Collections: An Examination and Biography*, 465

Linder, G., S.K. Krest, D.W. Sparling. *Amphibian Decline: An Integrated Analysis of Multiple Stressor Effects*, 138

Lockwood, J.A. *Locust: The Devastating Rise and Mysterious Disappearance of the Insect that Shaped the American Frontier*, 633

McCabe, R.E., B.W. O'Gara, and H.M. Reeves. *Prairie Ghost: Pronghorn and Human Interaction in Early America*, 635

- McCulloch, N. A Guide to the Birds of St. Helena and Ascension Island, 636
- Melvin, E.F. and J.K. Parrish. Seabird Bycatch: Trends, Roadblocks, and Solutions, 285
- Morton, M.L. The Mountain White-Crowned Sparrow: Migration and Reproduction at High Altitude, 284
- O'Toole, C. The Firefly Encyclopedia of Insects and Spiders, 145
- Perrins, C. The Firefly Encyclopedia of Birds, 139
- Pianka, E.R., L.J. Vitt. Lizards: Windows to the Evolution of Diversity, 141
- Pough, F.H., R.M. Andrews, J.E. Cadle, M.L. Crump, A.H. Savitsky and D.D. Wells. Herpetology: Third Edition, 140
- Richards, J.M., Y.T. Tymstra and A.W. White. Birds of Nunavut: A Checklist, 465
- Rising, J.D. Geographic Variation in Size and Shape of Savannah Sparrows (*Passerculus sandwichensis*), 287
- Sharpe, R.S., W.R. Silcock and J.G. Jorgensen. Birds of Nebraska: Their Distribution and Temporal Occurrence, 466
- Simpson, K. and N. Day. Birds of Australia (Seventh edition), 630
- Sinclair, P.H., W.A. Nixon, C.D. Eckert and N.L. Hughes. Birds of the Yukon Territory, 288
- Somma, L.A. Parental Behavior in Lepidosaurian and Testudinarian Reptiles: A Literature Survey, 635
- Stewart, K.W. and D.A. Watkinson. The Freshwater Fishes of Manitoba, 469
- Stuart, C. & T. Birds of Africa: From Seabirds to Seed-eaters, 138
- Swarth, C.W., W.M. Roosevelt and E. Kiviat. Conservation and Ecology of Turtles of the Mid-Atlantic Region: A Symposium, 468
- Waldbauer, G. What Good are Bugs? Insects in the Web of Life, 144
- Wheeler, B. Raptors of Eastern North America, 143
- Wheeler, B.K. Raptors of Western North America, 142