

INDICES TO VOLUME 61

COMPILED BY EDWARD H. BURTT, JR., AND C. COLLEEN BILSING

Three indices follow: an author index, a subject/geographic index, and a taxonomic index of avian species mentioned in the volume.

Author Index

(An "r" following a page number indicates the author of a publication that has been reviewed in our recent literature section.)

- Allport, A. A., 259 (r)
Anderson, D. J., 259 (r)
Anonymous, 134 (r)
Arriaga, L., 465-466 (r)
Barrows, C. W., 142 (r)
Barry, J., 468 (r)
Bassett, D. K., 262 (r)
Bavoux, C., 463 (r)
Bechard, M. J., 159-170
Beletsky, L. D., 268 (r)
Bell, M. V., 264 (r)
Bennett, A. J., 224-231
Bennett, L. A., 224-231
Bevier, L., 264 (r)
Bignal, E., 264 (r)
Bignal, S., 264 (r)
Blodget, B. G., 76-78
Blus, L. J., 138 (r)
Boarman, W. I., 140-141 (r)
Bogliani, G., 137 (r)
Boinski, S., 266 (r)
Bolen, E. G., 141 (r)
Booth, D. T., 139 (r)
Bourke, A. F. G., 265 (r)
Bowers, R. K., Jr., 98-103
Braun, C. E., 467 (r)
Breault, A. M., 111-114
Briskie, J. V., 180-191
Broda, G. S., 20-25
Brooke, M. de L., 265 (r)
Brown, B. T., 468 (r)
Brown, C. R., 132 (r)
Brown, M. B., 132 (r)
Brugger, K. E., 90-97
Burke, T., 265-266 (r)
Burnealeu, G., 463 (r)
Butler, R. W., 111-114
Byrkjedal, I., 267 (r)
Camacho, I., 142 (r)
Carlile, D. W., 138 (r)
Carlsson, B.-G., 259-260 (r)
Carpenter, A. L., 419-425
Carpenter, T. W., 419-425
Carranza, J., 261 (r)
Carroll, D., 259 (r)
Cary, J. R., 462-463 (r)
Castro, G., 138 (r), 267 (r)
Ceballos, O., 260 (r), 266 (r)
Chandler, C. R., 85-89
Chavelas, C. G., 135 (r)
Christie, D. A., 256 (r)
Clark, G. A., Jr., 264 (r)
Collins, B. G., 466-467 (r)
Collins, C. T., 174-179
Cooke, F., 404-412
Copete, J., 462 (r)
Corr, P. O., 254 (r)
Creighton, P. D., 434-440
Crivelli, A. J., 137-138 (r)
Dare, P., 468 (r)
David, N., 1-8
Davies, N. B., 265 (r)
Davis, W. E., Jr., 269 (r)
Davis, W. J., 76-78
Deblinger, R. D., 217-223
del Monaco, G., 131 (r)
Desbrosse, A., 463 (r)
Desrochers, A., 79-84
Dimberio, A. M., 413-418
Dimmick, C. R., 466 (r)
Dinsmore, J., 141 (r)
Dobkin, D. S., 143-144 (r)
Dolbeer, R. A., 90-97, 237-242
Donazar, J. A., 260 (r), 266 (r)
Droege, S., 258 (r)
Drummond, H., 135 (r)
Dunning, J. B., Jr., 98-103
Easterbee, N., 264 (r)
Eckert, K. R., 257 (r)
Eden, S. F., 259 (r)
Eens, M., 465 (r)
Ehrlich, P. R., 143-144 (r)
Ekman, J., 465 (r)
Ely, C. R., 249-253
Erwin, R. M., 262-263 (r)
Etchberry, R., 463 (r)

- Ficken, M. S., 380-387, 388-395
 Fitzner, R. E., 138 (r), 159-170
 Flood, N. J., 141-142 (r)
 Flores, D. L., 141 (r)
 Forbes, L. S., 265 (r)
 Fraissinet, M., 131 (r)
 Francis, C. M., 404-412
 Frohring, P. C., 131-132 (r)
 Fuller, M. R., 453-461
 Gale, R. S., 137 (r)
 Garnett, M. C., 256-257 (r)
 Gessaman, J. A., 139-140 (r), 192-200, 201-211
 Glaubrecht, M., 268 (r)
 Glazener, W. C., 462-463 (r)
 Gosselin, M., 1-8
 Green, G. H., 256-257 (r)
 Gwinner, E., 255 (r)
 Hahn, E., 263 (r)
 Hahn, K., 263 (r)
 Hamel, P. B., 34-40
 Harding, B. D., 136 (r)
 Harjula, R., 140 (r)
 Harold, R., 143 (r)
 Harper, R. G., 212-213
 Harris, M., 133 (r)
 Harris, M. P., 132 (r)
 Hasenclever, H., 464 (r)
 Haukos, D. A., 20-25
 Hayman, P. V., 256-257 (r)
 Hendricks, P., 64-66
 Henny, C. J., 104-107, 138 (r)
 Hickson, R. E., 466 (r)
 Hines, J. E., 254 (r)
 Hinkelmann, C., 264-265 (r)
 Hissa, R., 140 (r)
 Hoffman, S. W., 192-200, 201-211
 Holmes, R. T., 261 (r)
 Horn, A. G., 259 (r)
 Hornfeldt, B., 259-260 (r)
 Horner, K. O., 255 (r)
 Hume, R. A., 256 (r)
 Hussell, D. J. T., 54-63
 Hutchinson, C. D., 146-147 (r)
 Ivanitskii, V. V., 134-135 (r)
 Jackson, J. A., 145-146 (r), 149-155
 Jakober, H., 465 (r)
 James, R. D., 257 (r)
 Jansen, A., 469 (r)
 Jehl, J. R., Jr., 108-110
 Jenny, M., 469-470 (r)
 Jerrentrap, H., 137-138 (r)
 Johnson, L. S., 261-262 (r)
 Kelsey, M. G., 256-257 (r)
 Kerlinger, P., 470 (r)
 Kermott, L. H., 261-262 (r)
 Kirby, J. S., 256 (r)
 Kirby, K. K., 256 (r)
 Klein, R., 260-261 (r)
 Klem, D., Jr., 115-119, 120-128
 Knight, R. L., 159-170
 Kopeny, M., 453-461
 Kostrzewa, A., 464 (r)
 Kostrzewa, R., 464 (r)
 Kowalski, U., 255 (r)
 Krementz, D. G., 254 (r)
 Krohn, W. B., 67-72
 Krueger, H., 464 (r)
 Kushlan, J. A., 131-132 (r)
 Lavee, D., 255 (r)
 Lee, D. S., 256 (r)
 Leonard, M. L., 259 (r)
 Leroux, A., 463 (r)
 Linden, M., 266 (r)
 Linkhart, B. D., 243-244
 Lubben, I., 139 (r)
 Lups, P., 467-468 (r)
 Macdonald, S. M., 138 (r)
 MacKrell, E., 140 (r)
 MacLean, B. K., 267 (r)
 MacLean, D. B., 267 (r)
 MacVean, S. R., 156-158
 Marler, P., 268 (r)
 Mason, C. F., 138 (r)
 McCarty, J. P., 426-430
 McGowan, K. J., 171-173
 McKay, C. R., 264 (r)
 Mendall, H. L., 67-72
 Meury, R., 260 (r)
 Milone, M., 131 (r)
 Mitchell, C. A., 445-452
 Mitchev, T., 137-138 (r)
 Moller, A. P., 132-133 (r), 266 (r)
 Monaghan, P., 264 (r)
 Moore, B. R., 254-255 (r)
 Morrill, S. B., 464 (r)
 Morris, A., 258 (r)
 Mosher, J. A., 453-461
 Mudge, G. P., 257-258 (r)
 Mulvihill, R. S., 85-89
 Muma, K. E., 142 (r)
 Myers, J. P., 139 (r), 267 (r)
 Nagy, K. A., 139-140 (r)
 Neill, A. J., 212-213
 Nicolau-Guillaumet, P., 463 (r)
 Nicolaus, L. K., 466 (r)
 Nordeen, E. J., 268 (r)
 Nordeen, K. W., 268 (r)
 Norvell, J. R., 434-440
 Ohrstrom, P., 260 (r)
 Ojanen, M., 140 (r)
 Olsen, K. M., 264 (r)
 Orell, M., 140 (r)
 Ortega-Rubio, A., 465-466 (r)

- Osborne, D. R., 142-143 (r)
 Owen, R. B., Jr., 254 (r)
 Parkes, K. C., 468 (r)
 Parnell, J. R., 431-433
 Parren, S. G., 133-134 (r)
 Paton, D. C., 466-467 (r)
 Payne, R. B., 396-403
 Perez-Gonzalez, J. A., 142 (r)
 Persson, O., 260 (r)
 Peterson, A. T., 142-143 (r)
 Phillips, A. R., 144-145 (r)
 Pidgeon, C., 64-66
 Pinxten, R., 465 (r)
 Pokras, M., 76-78
 Powell, A. N., 214-216
 Prinzing, R., 139 (r)
 Priolo, A., 141 (r)
 Pritchard, J., 469 (r)
 Pyke, G. H., 463 (r)
 Pyornila, A., 140 (r)
 Ramsey, M. W., 468-469 (r)
 Ransom, D., Jr., 462-463 (r)
 Redondo, T., 261 (r)
 Reifinger, M., 136-137 (r)
 Reynolds, R. T., 243-244
 Ricklefs, R. E., 265 (r)
 Rimmer, D. W., 217-223
 Robertson, R. J., 26-33, 464 (r)
 Rodgers, J. A., Jr., 47-53
 Rodriguez-Estrella, R., 465-466 (r)
 Rohwer, S., 136 (r), 469 (r)
 Rongstad, O. J., 462-463 (r)
 Roskaf, E., 136 (r)
 Rothery, P., 132 (r)
 Saarela, S., 140 (r)
 Safriel, U. N., 255 (r)
 Salathe, T., 264 (r)
 Sargent, T. D., 267 (r)
 Sauer, J. R., 258 (r)
 Scharf, W. C., 140 (r)
 Schew, W. A., 174-179
 Schlapfer, A., 258 (r)
 Schops, M., 255 (r)
 Schuchmann, K.-L., 139 (r)
 Sclaro, J. A., 377-379
 Scott, P. E., 266 (r)
 Sealy, S. G., 180-191
 Senar, J., 462 (r)
 Seutin, G., 1-8
 Sherry, T. W., 261 (r)
 Shields, M. A., 431-433
 Siegel-Causey, D., 441-444
 Sieving, K. E., 41-46
 Slater, P., 469 (r)
 Smith, D. G., 159-170
 Smith, J. P., 192-200, 201-211
 Smith, L. M., 20-25
 Smith, P., 462 (r)
 Smith, S. R., 419-425
 Snow, W. D., 67-72
 Soler, M., 133 (r), 142 (r)
 Stauber, W., 465 (r)
 Stewart, P. A., 254 (r)
 Stoeppler, M., 263 (r)
 Stoyan, N., 139 (r), 267 (r)
 Stutchbury, B. J., 26-33
 Sullivan, T. M., 111-114
 Swann, R. L., 257-258 (r)
 Taylor, D. H., 142-143 (r)
 Tejero, E., 142 (r)
 Tobin, M. E., 237-242
 Tove, M. H., 263 (r)
 Tricha, C. J., 254 (r)
 Veltman, C. J., 466 (r)
 Verheyen, R., 465 (r)
 Vickery, P. D., 73-75
 Voorhees, D. P., 131-132 (r)
 Wagner, S. J., 34-40
 Wanless, S., 133 (r)
 Watt, D. J., 413-418
 Weatherhead, P. J., 135 (r), 142 (r)
 Weathers, W. W., 139 (r)
 Webster, M. D., 139 (r)
 Wehrle, C. M., 266-267 (r)
 Weinrich, J. A., 137 (r)
 Weir, A. G., 262 (r), 267-268 (r)
 Wells, J. V., 73-75
 Wheye, D., 143-144 (r)
 White, D. H., 445-452
 White, J. A., 467 (r)
 Whiteley, J., 469 (r)
 Whittingham, L. A., 135-136 (r)
 Wiens, T. P., 462 (r)
 Wiklund, C. G., 464-465 (r)
 Willey, D. W., 463-464 (r)
 Willson, M. F., 267 (r)
 Wilson, J. D., 262 (r), 267-268 (r)
 Wilson, W. H., Jr., 9-19
 Wiltschko, R., 255 (r)
 Winkler, D. W., 426-430
 Winkler, R., 263-264 (r)
 Woolfall, S. J., 256 (r)
 Young, D. P., Jr., 232-236
 Yunick, R. P., 263 (r)
 Zicus, M. C., 245-248

Subject/Geographic Index

The subject/geographic index includes entries for states, provinces of Canada, countries other than the United States and Canada, and some specific localities; entries under the same headings used to categorize reviews; and a few additional headings that reflect specific topics (e.g., techniques). Since reviews are arranged by subject and cross-referenced within the review sections of the Journal, they are indexed by geographic location only.

- Alberta, 79–84, 138
- Argentina, 377–379
- Arizona, 98–103, 359, 365, 380–395
- Australia, 139, 267, 462–463, 466–467, 468–469
- Baffin Island, 367
- Bahamas, 365
- Belgium, 465
- banding and longevity
 - banding effect on breeding, 310–319
 - banding nestling passerines, 212–213
 - collisions with windows, 115–119
 - determining spring migration, 419–425
 - estimating population size, 396–403
 - longevity, 243–244, 377–379
 - mortality estimates from carcasses, 237–242
 - neck bands, effects, 249–253
 - night-lighting eiders, 67–72
- behavior
 - adoption, 171–173, 214–216
 - effect of radio transmitters, 303–309
 - foraging behavior, 9–19, 41–46
 - female song context, 273–284
 - neck bands, effects, 249–253
 - nest cavities as night roosts, 26–33
 - nesting behavior, 295–297
 - resource defense, 232–236
 - social behavior, 41–46
 - use of song, 388–395
- Brazil, 265
- British Columbia, 328–330
- California, 108–110, 140, 142, 174–179, 192–200, 201–211, 249–253, 320–327, 359–360, 370, 463–464
- Central America, 144–145
- Chile, 366–367, 369–370
- Colorado, 243–244, 467
- Connecticut, 254, 347–354, 453–461
- conservation and environmental quality
 - collisions with windows, 115–119, 120–128
 - origin of Louisiana redwings, 90–97
- Costa Rica, 266
- Czechoslovakia, 360, 372–374
- Denmark, 132, 268
- ecology
 - foraging site selection, 9–19, 434–440
 - habitat selection, 159–170, 292–293, 453–461
 - nest site, 431–434
- Europe, 264, 267, 373
- evolution and genetics
 - call phylogeny, 380–387
 - song phylogeny, 388–395
- Florida, 47–53, 131–132, 171–173, 361, 363
- food and feeding
 - adoption, 171–173, 214–216
 - diet
 - composition, 331–338
 - temporal variability, 331–338
 - foraging site selection, 9–19, 434–440
 - prey abundance, 9–19
- France, 463
- Galapagos Islands, 259
- Georgia, 224–231, 232–236
- Germany, 263, 268, 464
- Great Britain, 132, 134, 136, 138, 256–259, 303–309, 357, 364–365, 368
- Greece, 137–138
- Guatemala, 156–158
- Idaho, 138
- Illinois, 115–119, 120–128
- Indiana, 413–418
- Iowa, 141, 362
- Ireland, 146–147, 256
- Italy, 141
- Kansas, 288–289
- Louisiana, 90–97, 285–287
- Maine, 67–72, 73–75, 254
- Manitoba, 180–191
- Maryland, 453–461
- Massachusetts, 76–78, 217–223
- Mexico, 141–142, 254, 290–302, 465–466, 468
- Michigan, 135–136, 140, 214–216, 419–425, 462
- migration, orientation, homing
 - differential migration, 85–89
 - differential spring migration, 404–412
 - identification of *Empidonax*, 54–63
 - monospecific migrant flocks, 285–287

- resource defense, 232–236
- size of Goshute accipiters, 201–211
- spring migration, blue jay, 419–425
- wintering Cooper's Hawk, 104–107
- Minnesota, 245–248, 257, 260–261, 264
- Mississippi, 138, 285–287
- morphology and anatomy
 - accipiter size differences, 192–200
 - age determination, 174–179
 - Bursa of Fabricius, 441–444
 - egg variation, 180–191
 - lipid content, 445–452
 - measuring size through telescope, 111–114
 - sex determination, 79–84, 320–327, 339–346
 - size of Goshute accipiters, 201–211
 - skull pneumatization, 34–40
- Nebraska, 132
- Newfoundland, 463
- nesting and reproduction
 - adoption, 171–173
 - alpine-nesting Savannah Sparrow, 64–66
 - banding effect, 310–319
 - banding nestling passerines, 212–213
 - breeding
 - biology, 290–302
 - chronology, 47–53
 - first-year grebes, 156–158
 - capture effect on breeding, 310–319
 - clutch size, 47–53
 - effect of radio-marking on breeding, 310–319
 - egg variation, 180–191
 - fledging success, 413–418
 - handling effect on breeding, 310–319
 - intercolony movement, 149–155
 - nest cavities as night roosts, 26–33
 - nest site, 73–75, 159–170, 293–295, 431–433
 - nest structure, 413–418
 - nest temperature, 98–103
 - predator exclosures, 217–223
 - re-nesting, 245–248
 - reproductive success, 224–231
 - snake predation, 288–289
 - transplanting nests, 426–430
- Nevada, 138, 201–211
- New Hampshire, 261, 453–461
- New Jersey, 254, 263
- New York, 85–89, 120–128, 237–242, 258, 262, 263, 331–338, 426–430, 453–461
- North America, 144–145, 258, 361
- North Carolina, 255, 262–263, 431–433
- North Wales, 468
- Norway, 357–358, 359
- Nova Scotia, 9–19
- Ohio, 142–143, 396–403
- Oklahoma, 310–319
- Ontario, 26–33, 54–63, 142, 257, 404–412, 464
- Oregon, 104–107, 138
- Panama, 41–46
- Pennsylvania, 468
- physiology
 - Rhodoxanthin source, 355
- plumages and molt
 - Rhodoxanthin source, 355
- Poland, 357
- population dynamics
 - band wear in salt lakes, 108–110
 - effective population size, 396–403
 - longevity, 243–244, 377–379
 - prebreeding survival estimates, 347–354
 - survival rate, 377–379
- Quebec, 1–8, 257
- Republic of Niger, 260–261
- Sahara, 255
- Scotland, 133, 257–258, 262, 264, 267, 469
- Shetland Islands, 138
- songs and vocalization
 - female song
 - context, 273–284
 - structure, 273–284
 - structure
 - chickadee calls, 380–387
 - chickadee song, 388–395
 - oriole song, 297–301
- South Carolina, 34–40, 149–155, 263
- Spain, 142, 260, 261, 266, 462
- Sweden, 259–260, 464–465
- Switzerland, 258, 260, 263–264, 266, 469–470
- techniques
 - age
 - determination, 174–179
 - development index, 441–444
 - band wear in salt lakes, 108–110
 - determining nesting success, 413–418
 - identification of *Empidonax*, 54–63
 - lek trapping, 20–25
 - measuring through telescope, 111–114
 - mortality estimates from carcasses, 237–242
 - night-lighting eiders, 67–72
 - prebreeding survival estimates, 347–354
 - predator exclosures, 217–223
 - sex determination, 79–84, 174–179, 320–327, 339–346
 - skull pneumatization, 34–40
 - submerged mist nets, 328–330
 - surveying raptors, 453–461
 - T-shaped spring trap, 310–319
 - tail-mounted radio transmitter, 303–309
 - transplanting nests, 426–430

- Texas, 20-25, 141-142, 363, 364, 445-452, 462-463
- Vermont, 133-134
- Virginia, 262-263
- Washington, 136, 138, 159-170, 358, 434-440
- wildlife management and economic ornithology
- breeding by first-year grebes, 156-158
 - collisions with windows, 115-119, 120-128
 - determining sex dimorphism, 320-327
 - hawk habitat selection, 159-170
 - intercolony movement, 149-155
 - one-footed eagle, 76-78
 - origin of Louisiana redwings, 90-97
 - predator exclosures, 217-223
- Wisconsin, 453-461
- Wyoming, 64-66, 262, 273-284
- Yugoslavia, 359, 362, 364
- zoogeography and distribution
- accipiter size differences, 192-200
 - alpine-nesting Savannah Sparrow, 64-66
 - breeding chronology, 47-53
 - differential migration, 85-89
 - flycatcher nest temperature, 98-103
 - Maine, Willets, 73-75
 - Mockingbirds, in Quebec, 1-8
 - natal dispersal, 396-403
 - Okefenokee, Sandhill Cranes, 224-231
 - origin of Louisiana redwings, 90-97
 - Pheasant Cuckoo, Panama, 41-46
 - wintering Cooper's Hawk, 104-107

Taxonomic Index

The following taxonomic index includes entries for common and scientific names of birds given in papers, notes, and reviews.

- Accipiter cooperii*, 104, 192-193, 201, 453-455
A. gentilis, 134, 192-193, 202, 263, 453, 455
A. nisus, 143
A. striatus, 192-193, 201-202, 420
Acrocephalus palustris, 256
Actitis macularia, 404
Aegolius acadicus, 244, 260
A. junereus, 244, 257, 259, 462
Agelaius phoeniceus, 90-91, 136, 142, 190, 400, 439
Aix sponsa, 245
Alauda arvensis, 258, 469
Amphispiza belli clementea, 463
Anas crecca, 264
A. platyrhynchos, 141
A. rubripes, 254
Anser albifrons frontalis, 249
Anthochaera carunculata, 468
A. chrysoptera, 463, 468
Anthus spinoletta, 66, 434-435
A. trivialis, 260
 Antshrike, Slaty, see *Thamnophilus punctatus*
Aquila chrysaetos, 207
A. rapax, 77
Arbutus peninsularis, 465
Ardea herodias, 111-112, 138, 140
Arenaria interpres, 264
Asio flammeus, 165
A. otus, 142, 165
Athene cunicularia, 142, 165, 244
A. nocuta, 244
Auriparus flaviceps, 32, 139
 Avocet, American, see *Recurvirostra americana*
 Bittern, Little, see *Ixobrychus minutus*
 Blackbird, Brewer's, see *Euphagus cyanocephalus*
 Red-winged, see *Agelaius phoeniceus*
 Yellow-headed, see *Xanthocephalus xanthocephalus*
 Blackcap, see *Sylvia atricapilla*
 Bluebird, Eastern, see *Sialia sialis*
Bombycilla garrulus, 7
B. cedrorum, 355
 Booby, Blue-footed, see *Sula nebouxii*
 Masked, see *Sula dactylatra*
Bubo bubo, 266
B. virginianus, 105, 122, 142, 165, 221
Bucephala clangula, 245, 247, 264
 Budgerigar, see *Melopsittacus undulatus*
 Bunting, Indigo, see *Passerina cyanea*
 Bushtit, Common, see *Psaltriparus minimus*
Buteo buteo, 468
B. jamaicensis, 159, 453, 455
B. lineatus, 169, 453, 455
B. platypterus, 169, 453, 455
B. regalis, 159, 170
B. swainsoni, 159, 170
 Buzzard, see *Buteo buteo*
Calidris alpina, 17, 216, 258, 450-451
C. canutus, 258
C. ferruginea, 256
C. maritima, 264
C. mauri, 445-446
C. minuta, 17
C. pusilla, 9, 18
C. temminckii, 216
 Cardinal, Northern, see *Cardinalis cardinalis*
Cardinalis cardinalis, 233
Carduelis tristis, 32, 413
Casmerodius albus, 140
Catharacta skua, 256
Cathartes aura, 262
Catoptrophorus semipalmatus, 75
C. s. semipalmatus, 73
Cephus columba, 141
C. grylle, 463
Charadrius melodus, 217
C. morinellus, 267
C. semipalmatus, 443
C. vociferus, 214, 221
 Chat, Yellow-breasted, see *Icteria virens*
 Chickadee, Black-capped, see *Parus atricapillus*
 Carolina, see *P. carolinensis*
 Mexican, see *P. sclateri*
 Mountain, see *P. gambeli*
 Chickens, Greater Prairie, see *Tympanuchus cupido*
 Lesser Prairie, see *T. pallidicinctus*
 Chough, see *Pyrrhocorax pyrrhocorax*
Chrysococcyx, 265
Circus a. aeruginosus, 463

- C. cyaneus*, 143
Clamator glandarius, 172
Coccothraustes vespertinus, 118
Coccyzus americanus, 116
Colinus virginianus, 239
Columba fasciata, 467
C. livia, 254-255
Contopus virens, 214
Coragyps atratus, 171
 Cormorant, Double-crested, see *Phalacrocorax auritus*
 European, see *P. carbo*
 Olivaceous, see *Hypoleucus brasiliensis*
Corvus brachyrhynchos, 220, 466
C. corax, 77, 165
C. corone, 137, 172-173, 189-190, 469
C. frugilegus, 84, 172
C. monedula, 133
C. ossifragus, 171
 Cowbird, Brown-headed, see *Molothrus ater*
 Crane, Eastern Greater, see *Grus canadensis tabida*
 Florida Sandhill, see *G. c. pratensis*
 Mississippi Sandhill, see *G. c. pulla*
 Western Greater, see *G. c. tabida*
 Crow, American, see *Corvus brachyrhynchos*
 Carion, see *C. corone*
 Eurasian, see *C. corone*
 Fish, see *C. ossifragus*
 Hooded, see *C. corone*
 Cuckoo, Common, see *Cuculus canorus*
 Great Spotted, see *Clamator glandarius*
 Ground, see *Neomorphus geoffroyi*
 Pheasant, see *Dromococcyx phasianellus*
 Striped, see *Tapera naevia*
 Yellow-billed, see *Coccyzus americanus*
Cuculus, 265
C. canorus, 45
Cyanocitta cristata, 171, 267, 419, 424
Cygnus buccinator, 137
C. columbianus, 137
C. olor, 467
Delichon urbica, 136, 190
Dendrocincla anabatina, 266
Dendroica coronata, 263
D. discolor, 411
D. kirtlandii, 124, 137
D. palmarum, 74
D. petechia, 410, 412
 Diver, Great Northern, see *Gavia immer*
 Dotterel, see *Charadrius morinellus*
 Dowitcher, Long-billed, see *Limnodromus scolopaceus*
 Short-billed, see *L. griseus*
Dromaius novaehollandiae, 267
Dromococcyx phasianellus, 41-42, 44
Dryocopus pileatus, 153
 Duck, American, see *Anas rubripes*
 Ruddy, see *Oxyura jamaicensis*
 Wood, see *Aix sponsa*
 Dunlin, see *Calidris alpina*
 Dunnock, see *Prunella modularis*
 Eagle, Bald, see *Haliaeetus leucocephalus*
 Golden, see *Aquila chrysaetos*
 Tawny, see *A. rapax*
 Egret, Great, see *Casmerodias albus*
Egretta sacra, 469
 Eider, see *Somateria mollissima*
 Common, see *S. mollissima*
 Northern, see *S. m. borealis*
Elanoides forficatus, 264
Emberiza citrinella, 268
Empidonax alnorum, 54, 63
E. flaviventris, 54-55
E. hammondi, 61
E. minimus, 54-55, 180-181
E. oberholseri, 61
E. traillii, 54, 63, 187
E. virescens, 187
E. wrightii, 61
 Emu, see *Dromaius novaehollandiae*
Eremophila alpestris, 434-435
Eucometis pencillata, 266
Euphagus cyanocephalus, 405
Falco columbarius, 197, 464
F. c. richardsonii, 197
F. mexicanus, 165
F. peregrinus, 125
F. sparverius, 165
F. tinnunculus, 136, 464
 Falcon, Peregrine, see *Falco peregrinus*
 Prairie, see *F. mexicanus*
Ficedula hypoleuca, 188, 190, 235, 255
 Flycatcher, Acadian, see *Empidonax virescens*
 Alder, see *E. alnorum*
 Ash-throated, see *Myiarchus cinerascens*
 Crested, see *M. tyrannulus*
 Dusky, see *E. oberholseri*
 Gray, see *E. wrightii*
 Great Crested, see *M. crinitus*
 Hammond's, see *E. hammondi*
 Least, see *E. minimus*
 Pied, see *Ficedula hypoleuca*
 Sulfur-rumped, see *Myiobius sulphureipygius*
 Willow, see *E. traillii*
 Yellow-bellied, see *E. flaviventris*
Fratercula arctica, 132, 463
Gallinula chloropus, 259
Gavia arctica, 138
G. immer, 138
G. stellata, 138
Geococcyx californianus, 43

- Geothlypis trichas*, 74
 Goldeneye, Common, see *Bucephala clangula*
 Goldfinch, American, see *Carduelis tristis*
 Goose, Greater White-fronted, see *Anser albifrons frontalis*
 Goshawk, see *Accipiter gentilis*
 Northern, see *A. gentilis*
 Grackle, Boat-tailed, see *Quiscalus major*
 Common, see *Q. quiscula*
 Great-tailed, see *Quiscalus mexicanus*
 Grebe, Eared, see *Podiceps nigricollis*
 Horned, see *P. auritus*
 Pied-billed, see *P. podiceps*
 Grosbeak, Black-headed, see *Pheucticus melanocephalus*
 Evening, see *Coccothraustes vespertinus*
 Pine, see *Pinicola enucleator*
 Rose-breasted, see *P. ludovicianus*
 Grouse, Sharp-tailed, see *Tympanuchus phasianellus*
Grus canadensis, 141
G. c. pratensis, 224, 229
G. c. pulla, 226, 229
G. c. tabida, 229
 Guillemot, see *Uria aalge*
 Black, see *Cephus grylle*
 Pigeon, see *C. columba*
 Gull, Audouin's, see *Larus audouinii*
 California, see *L. californicus*
 Great Black-backed, see *L. marinus*
 Herring, see *L. argentatus*
 Ivory, see *Pagophila eburnea*
 Lesser, Black-backed, see *L. fuscus*
 Ring-billed, see *L. delawarensis*
 Sabine, see *Xema sabini*
 Western, see *L. occidentalis*
Gymnorhina tibicen, 466
Haematopus ater, 442
H. leucopodus, 442
H. ostralegus, 257, 264
H. palliatus, 431-432, 442
Haliaeetus leucocephalus, 76
Harpagus bidentatus, 266
 Harrier, Hen, see *Circus cyaneus*
 Marsh, see *C. a. aeruginosus*
 Hawk, Broad-winged, see *Buteo platypterus*
 Cooper's, see *Accipiter cooperii*
 Ferruginous, see *B. regalis*
 Red-shouldered, see *B. lineatus*
 Red-tailed, see *B. jamaicensis*
 Sharp-shinned, *A. striatus*
 Swainson's, see *B. swainsoni*
 Heron, Black-crowned Night, see *Nycticorax nycticorax*
 Great Blue, see *Ardea herodias*
 Pacific Reef, see *Egretta sacra*
Hirundo pyrrhonota, 132
H. rustica, 124, 426, 430
 Honeyeater, Brown, see *Lichmera indistincta*
 Hummingbird, Xantus', see *Hylocharis xantusii*
Hylocharis xantusii, 465
Hypoleucis brasilianus, 442
Icteria virens, 118, 254
Icterus gularis, 141
I. parisorum, 141
Ictinia mississippiensis, 141
Ixobrychus minutus, 259
 Jackdaw, see *Corvus monedula*
 Jaeger, see *Stercorarius* spp.
 Long-tailed, see *S. longicaudus*
 Parasitic, see *S. parasiticus*
 Pomarine, see *S. pomarinus*
 Jay, Blue, see *Cyanocitta cristata*
 Junco, Dark-eyed, see *Junco hyemalis*
Junco hyemalis, 85, 89, 116, 122, 124, 405
 Kestrel, see *Falco tinnunculus*
 American, see *F. sparverius*
 Killdeer, see *Charadrius vociferus*
 Kingbird, Eastern, see *Tyrannus tyrannus*
 Kite, Double-toothed, see *Harpagus bidentatus*
 Mississippi, see *Ictinia mississippiensis*
 Swallow-tailed, see *Elanoides forficatus*
 Kittiwake, Black-legged, see *Rissa tridactyla*
 Knot, Red, see *Calidris canutus*
Lanius collurio, 465
 Lapwing, see *Vanellus vanellus*
 Lark, Horned, see *Eremophila alpestris*
 Horned, see *Otocoris alpestris*
Larus argentatus, 172, 190, 221, 463
L. audouinii, 140
L. californicus, 109
L. delawarensis, 109, 463
L. fuscus, 263
L. marinus, 221, 463
L. occidentalis, 141
Leipoa ocellata, 139
Lichmera indistincta, 468
Limnodromus griseus, 446
L. scolopaceus, 445-446
 Loon, Arctic, see *Gavia arctica*
 Red-throated, see *G. stellata*
Luscinia megarhynchos, 137
 Madrone, see *Arbutus peninsularis*
 Magpie, see *Pica pica*
 Australian, see *Gymnorhina tibicen*
 Mallard, see *Anas platyrhynchos*
 Malleefowl, see *Leipoa ocellata*
 Martin, House, see *Delichon urbica*
 Purple, see *Progne subis*
Megadyptes antipodes, 378
Melanerpes carolinus, 153
M. formicivorus, 400

- Meleagris gallopavo intermedia*, 462
Melopsittacus undulatus, 459
Melospiza georgiana, 34, 233, 268
M. lincolni, 64, 66, 74
M. melodia, 34, 135, 232
Merganser, Common, see *Mergus merganser*
Mergus merganser, 468
Merlin, see *Falco columbarius*
Micrathene witneyi, 244
Mimus polyglottos, 1
Mniotilta varia, 116
Mockingbird, Northern, see *Mimus polyglottos*
Molothrus ater, 45, 91, 238
Montingrilla nivalis, 266
Moorhen, Common, see *Gallinula chloropus*
Mycteria americana, 47, 52
Myiarchus cinerascens, 98
M. crinitus, 153
M. tyrannulus, 199
Myiobius sulphureipygius, 43
Neomorphus geoffroyi, 44
Neophron percnopterus, 260
Nightingale, see *Luscinia megarhynchos*
Notocarbo atriceps, 442
Nuthatch, Pygmy, see *Sitta pygmaea*
White-breasted, see *S. carolinensis*
Nycticorax nycticorax, 140
Oceanodroma leucorhoa, 256, 463
Oriole, Altamira, see *Icterus gularis*
Scott's, see *Icterus parisorum*
Otocoris alpestris, 199
Otus, asio, 244
O. flammeolus, 243
O. kennicottii, 142, 244
O. scops, 244
Ovenbird, see *Seiurus aurocapillus*
Owl, Barred, see *Strix varia*
Boreal, see *Aegolius funereus*
Burrowing, see *Athene cunicularia*
Common Barn, see *Tyto alba*
Eagle, see *Bubo bubo*
Flammulated, see *Otus flammeolus*
Great Gray, see *S. nebulosa*
Great Horned, see *B. virginianus*
Long-earned, see *Asio otus*
Northern Saw-whet, see *A. acadicus*
Short-eared, *A. flammeus*
Spotted, see *S. occidentalis*
Tengmalm's, see *A. funereus*
Western Screech, see *O. kennicottii*
Oxyura jamaicensis, 245, 248
Oystercatcher, see *Haematopus ostralegus*
American, see *H. palliatus*
Blackish, see *H. ater*
Magellanic, see *H. leucopodus*
Pagophila eburnea, 263
Parus ater, 84, 402
P. atricapillus, 79, 267, 380, 388, 395
P. bicolor, 267
P. caeruleus, 418
P. caeruleus, 262, 402
P. carolinensis, 380, 387, 395
P. cristatus, 84
P. gambeli, 380
P. major, 33, 80, 84, 188, 190, 262, 402, 440
P. montanus, 84, 465
P. niger, 173
P. sclateri, 380, 388
Passerculus sandwichensis, 64, 74
Passer domesticus, 133-134, 238, 418
P. hispaniolensis, 134
P. luteus, 260
Passerina cyanea, 118, 127
Pelecanus crispus, 137
Penguin, Adelic, see *Pygoscelis adeliae*
African, see *Spheniscus demersus*
Magellanic, see *S. magellanicus*
Yellow-eyed, see *Megadyptes antipodes*
Petrel, Black-capped, see *Pterodroma hasitata*
Leach's Storm, see *Oceanodroma leucorhoa*
Pewee, Eastern Wood, see *Contopus virens*
Phaethornis bourcierii, 264
P. b. major, 265
Phalacrocorax aristotelis, 267
P. auritus, 140
P. carbo, 442
Phalarope, Red, see *Phalaropus fulicaria*
Phalaropus fulicaria, 256
Phasianus colchicus, 115, 137
Pheasant, see *Phasianus colchicus*
Ring-necked, see *Phasianus colchicus*
Pheucticus ludovicianus, 404-405, 411
P. melanocephalus, 405
Phylloscopus trochilus, 411
Pica pica, 190, 261
Picoides borealis, 146, 149
Pigeon, see *Columba livia*
Band-tailed, see *Columba fasciata*
Pinicola enucleator, 7
Pipilo erythrophthalmus, 233
Pipit, Tree, see *Anthus trivialis*
Water, see *A. spinoletta*
Piranga rubra, 411
Plover, Piping, see *Charadrius melodus*
Podiceps auritus, 109
P. nigricollis, 108
Podilymbus, 158
P. podiceps, 156
Progne subis, 27, 145
Prunella modularis, 266
Psaltriparus minimus, 32
Pterodroma hasitata, 468
Puffin, Atlantic, see *Fratrercula arctica*

- Pygoscelis adeliae*, 378
Pyrrhonorax pyrrhonorax, 264
 Quail, Bobwhite, see *Colinus virginianus*
Quiscalus major, 189–190
Q. mexicanus, 91
Q. quiscula, 221
 Rail, Virginia, see *Rallus limicola*
Rallus limicola, 116
 Raven, Common, see *Corvus corax*
 Razorbill, see *Alca torda*, 133
Recurvirostra americana, 445–446
 Redshank, see *Tringa totanus*
 Redstart, American, see *Setophaga ruticilla*
 Redwing, see *Turdus iliacus*
Remiz pendulinus, 260
Rissa tridactyla, 256, 463
 Roadrunner, Greater, see *Geococcyx californianus*
 Robin, American, see *Turdus migratorius*
 Rook, see *Corvus frugilegus*
Rynchops niger, 174, 262
 Sandpiper, Curlew, see *Calidris ferruginea*
 Purple, see *C. maritima*
 Semipalmated, see *C. pusilla*
 Spotted, see *Actitis macularia*
 Western, see *C. mauri*
Seiurus aurocapillus, 116–117
S. noveboracensis, 232
 Serin, see *Serinus serinus*
Serinus serinus, 462
Setophaga ruticilla, 43, 261
 Shag, see *Phalacrocorax aristotelis*
 Imperial, see *Notocarbo atriceps*
 Red-legged, see *Stictocarbo gaimardi*
 Rock, see *S. magellanicus*
 Shrike, Red-backed, see *Lanius collurio*
Sialia sialis, 133, 464
 Silvereye, Heron Island, see *Zosterops lateralis chlorocephala*
Sitta carolinensis, 267
S. pygmaea, 381
 Skimmer, Black, see *Rynchops niger*
 California Black, see *Rynchops niger*
 Skua, Great, see *Catharacta skua*
 Skylark, see *Alauda arvensis*
 Snowfinch, see *Montifringilla nivalis*
Somateria mollissima, 67, 70–71, 245, 264
S. m. borealis, 247
 Sparrow, Field, see *Spizella pusilla*
 Golden, see *Passer luteus*
 House, see *P. domesticus*
 Lincoln's, see *Melospiza lincolnii*
 San Clemente Sage, see *Amphispiza belli clementea*
 Savannah, see *Passerculus sandwichensis*
 Song, see *M. melodia*
 Spanish, see *Passer hispaniolensis*
 Swamp, see *M. georgiana*
 White-crowned, see *Zonotrichia leucophrys oriantha*
 White-throated, see *Z. albicollis*
 Sparrowhawk, European, see *Accipiter nisus*
Spheniscus demersus, 378
S. magellanicus, 377, 379
Spinus tristis tristis, 418
Spizella pusilla, 233
 Starling, see *Sturnus vulgaris*
 European, see *Sturnus vulgaris*
Stercorarius spp., 256
S. longicaudus, 264
S. parasiticus, 264
S. pomarinus, 264
Sterna antillarum, 218, 262
S. dougallii, 190
S. fuscata, 179
S. hirundo, 179, 190, 262
S. maxima, 262
S. paradisaea, 463
S. vulgaris, 188
Stictocarbo gaimardi, 442
S. magellanicus, 441–442
 Stint, Temminck's, see *Calidris temminckii*
 Stork, Wood, see *Mycteria americana*
Strix nebulosa, 257
S. occidentalis, 146
S. varia, 122, 453, 455
Sturnus vulgaris, 32, 105, 236, 465
Sula dactylatra, 259
S. nebouxii, 135, 259
 Swallow, see *Hirundo rustica*
 Barn, see *H. rustica*
 Cliff, see *H. pyrrhonota*
 Tree, see *Tachycineta bicolor*
 Swan, Mute, see *Cygnus olor*
 Trumpeter, see *Cygnus buccinator*
 Tundra, see *C. columbianus*
Sylvia atricapilla, 137
S. borin, 255
S. melanocephala, 131
Tachycineta bicolor, 26, 33, 133, 464
 Tanager, Gray-headed, see *Eucometis penicillata*
 Summer, see *Piranga rubra*
Tapera naevia, 44
 Teal, Green-winged, see *Anas crecca*
 Tern, Arctic, see *Sterna paradisaea*
 Common, see *S. fuscata*
 Least, see *S. antillarum*
 Roseate, see *S. dougallii*
 Royal, see *S. maxima*
 Sooty, see *S. fuscata*
Thamnophilus punctatus, 44
 Tit, Black, see *Parus niger*
 Blue, see *P. caeruleus*

- Coal, see *P. ater*
 Crested, see *P. cristatus*
 Great, see *P. major*
 Penduline, see *Remiz pendulinus*
 Willow, see *P. montanus*
 Titmouse, Tufted, see *Parus bicolor*
Totanus flavipes, 443
 Towhee, Rufous-sided, see *Pipilo erythrophthalmus*
Tringa totanus, 18, 235, 264, 440
Troglodytes aedon, 133, 212, 261, 396, 398
T. troglodytes, 136
Turdus iliacus, 142
T. migratorius, 116
 Turkey, Rio Grande, see *Meleagris gallopavo intermedia*
 Turnstone, Ruddy, see *Arenaria interpres*
Tympanuchus cupido, 20, 23
T. pallidicinctus, 20
T. phasianellus, 20
Tyrannus tyrannus, 187
Tyto alba, 142, 165
Uria aalge, 133
Vanellus vanellus, 258
Vermivora peregrina, 116
V. ruficapilla, 116
 Vulture, Black, see *Coragyps atratus*
 Egyptian, see *Neophron percnopterus*
 Turkey, see *Cathartes aura*
 Warbler, Black-and-White, see *Mniotilta varia*
 Garden, see *Sylvia borin*
 Hooded, see *Wilsonia citrina*
 Kirtland's, see *Dendroica kirtlandii*
 Marsh, see *Acrocephalus palustris*
 Nashville, see *Vermivora ruficapilla*
 Palm, see *D. palmarum*
 Prairie, see *D. discolor*
 Sardinian, see *Sylvia melanocephala*
 Tennessee, see *Vermivora peregrina*
 Willow, see *Phylloscopus trochilus*
 Yellow, see *D. petechia*
 Waterthrush, Northern, see *Seiurus noveboracensis*
 Wattlebird, Little, see *Anthochaera chrysoptera*
 Red, see *A. carunculata*
 Waxwing
 Bohemian, see *Bombycilla garrulus*
 Cedar, see *B. cedrorum*
 Willet, see *Catoptrophorus s. semipalmatus*
 Eastern, see *C. semipalmatus*
Wilsonia citrina, 411
 Woodcreeper, Tawny-winged, see *Dendrocincla anabatina*
 Woodpecker, Acorn, see *Melanerpes formicivorus*
 Pileated, see *Dryocopus pileatus*
 Red-bellied, see *M. carolinus*
 Red-cockaded, see *Picoides borealis*
 Wren, House, see *Troglodytes aedon*
 Winter, see *Troglodytes troglodytes*
Xanthocephalus xanthocephalus, 136
Xema sabini, 256
 Yellowhammer, see *Emberiza citrinella*
 Yellowthroat, Common, see *Geothlypis trichas*
Zonotrichia albicollis, 118, 233
Z. leucophrys, 141
Z. leucophrys oriantha, 60, 116
Zosterops lateralis chlorocephala, 469