

## INDICES TO VOLUME 58

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.)

- Adams, N. J., 528 (r)  
Adkisson, C. S., 395-396 (r)  
Ainley, D. G., 399 (r)  
Aldridge, B. M., 516 (r)  
Alstrom, P., 398 (r)  
Alvo, R., 248 (r)  
Anderson, M., 405-406 (r)  
Anderson, S. H., 22-25  
Angelstrom, P. K., 84 (r)  
Appert, O., 246 (r)  
Archibald, G., 531 (r)  
Arnold, A. P., 535 (r)  
Ashkenas, L. R., 261-262 (r), 534 (r)  
Askins, R. A., 345-349  
Austin, O. L., Jr., 96 (r)  
Bacon, B. R., 31  
Baeyens, G., 250-251 (r)  
Bagnoli, P., 518 (r)  
Bailey, E. E., 413-424  
Baker-Gabb, D. J., 251 (r)  
Balda, R. P., 392-393 (r)  
Baldassarre, G. A., 254 (r)  
Barbeau, J. M., 256 (r)  
Barcena, F., 530-531 (r)  
Barclay, R. M. R., 385 (r)  
Barnard, P., 521 (r)  
Basore, N. S., 86 (r)  
Baumgartner, M., 244 (r)  
Bayer, R. D., 406 (r)  
Becker, J., 244 (r)  
Behrndt, M., 244-245 (r)  
Benvenuti, S., 518 (r), 519 (r)  
Best, L. B., 86 (r)  
Best, T. L., 262 (r)  
Bezzel, E., 251-252 (r)  
Biermann, G. C., 350-354  
Birt, V. L., 69-72  
Black, A., 257 (r)  
Blackburn, D. G., 532 (r)  
Blohm, R. J., 144-147  
Blokpoel, H., 206-217  
Blomquist, S., 395 (r)  
Blum, H., 251 (r)  
Boag, P. T., 516 (r)  
Bocca, M., 408 (r)  
Bolen, E. G., 254 (r)  
Bomford, M., 522-523 (r)  
Bosserma, I., 250-251 (r)  
Boyd, R., 246-247 (r)  
Bradshaw, S. D., 253 (r)  
Braucker, R., 535 (r)  
Brecheisen, E. M., 256 (r)  
Brecheisen, W. R., 256 (r)  
Bredin, K. A., 69-72  
Brenowitz, E. A., 535 (r)  
Bridges, L., 401 (r)  
Brisco, M. J., 534 (r)  
Britton, C. K., 525 (r)  
Brock, K. J., 264 (r)  
Brooke, M. de L., 525 (r), 533 (r)  
Brooke, R. K., 256 (r)  
Brooks, R. P., 526 (r)  
Brosset, A., 398-399 (r)  
Brown, C. R., 118-125, 248 (r), 528 (r)  
Brown, M., 396 (r)  
Bruderer, B., 244 (r)  
Brunton, D. F., 256 (r)  
Bunck, C. M., 395 (r)  
Burger, J., 521 (r)  
Burke, R. C., II, 218-221  
Burneleau, G., 398 (r)  
Burnside, F. L., 62-65, 85 (r)  
Burr, T. A., 252 (r)  
Burt, E. H., Jr., 2-3, 93-95 (r)  
Butler, R. W., 103-111  
Butterfield, J., 81 (r), 85 (r)  
Buurma, L. S., 518 (r)  
Byers, S. M., 499-504  
Byrkjedal, I., 383 (r)  
Cable, T. T., 256 (r)  
Cabo, J. M., 534 (r)  
Cairns, D. K., 69-72  
Campbell, B., 536-537 (r)  
Capranica, R. R., 535 (r)

- Carpenter, F. L., 88 (r)  
 Cheng, T., 531 (r)  
 Childers, E. L., 395-396 (r)  
 Chilton, G., 456-463  
 Clancey, P. A., 531 (r)  
 Clout, M. N., 73-77  
 Collins, B. T., 464-473  
 Collins, P. W., 518 (r)  
 Conner, R. N., 250 (r)  
 Conrads, K., 243 (r)  
 Cooch, R. G., 386 (r)  
 Cooke, R., 386 (r), 533 (r)  
 Cooper, J., 256 (r), 384-385 (r), 445-455, 520 (r)  
 Cooper, S. D., 407 (r)  
 Cooper, W. J., 90 (r)  
 Coulson, J. C., 81 (r), 85 (r)  
 Cox, G. W., 260-261 (r)  
 Cracraft, J., 258-259 (r)  
 Craig, J. L., 400 (r)  
 Croon, B., 245 (r)  
 Cullen, J. M., 534-535 (r)  
 Cummings, J. L., 265-269, 490-498  
 Custer, T. W., 225-230, 395 (r), 480-489  
 Davis, J. E., 490-498  
 Davis, W. J., 526 (r)  
 Dawson, W. R., 528 (r)  
 den Boer, P. J., 249 (r)  
 Deng, H., 526 (r)  
 Dennis, J. V., 516-517 (r)  
 Denslow, J. S., 404-405 (r)  
 Derleth, E. L., 198-200  
 DeSante, D. F., 255 (r), 537 (r)  
 Deweese, L. R., 252-253 (r)  
 Dewhurst, C. F., 248 (r)  
 Diamond, J. M., 88 (r)  
 Dickerman, R., 91 (r)  
 Dickinson, T. E., 519-520 (r)  
 Diehl, P., 252 (r), 528 (r)  
 Dinsmore, J. J., 396 (r)  
 Dixon, K. L., 4-5  
 Dobson, A. P., 252 (r)  
 Dolbeer, R. A., 87 (r)  
 Dominguez, J., 530-531 (r)  
 Dowsett, R. J., 244 (r)  
 Dowsett-Lemaire, F., 244 (r)  
 Drost, C., 518 (r)  
 Dubois, P., 90 (r)  
 Duffy, D. C., 402 (r)  
 Duncan, B. W., 517 (r)  
 Dunn, E. H., 355-371  
 Dunning, J. B., 392 (r)  
 Dyke, J., 259-260 (r)  
 Dyrce, A., 306-310, 428-431  
 Dzerzhinskii, F. Y., 253-254 (r)  
 Eadie, J. M., 245-246 (r)  
 Earle, R. A., 385 (r)  
 East, M. L., 84 (r)  
 Ehrhart, R. L., 250 (r)  
 Emlen, J. T., 254-255 (r)  
 Engen, S., 245 (r)  
 Erard, C., 531 (r)  
 Ercolino, K. M., 345-349  
 Escott, N. G., 521 (r)  
 Esquivias, J. A. T., 529-530 (r)  
 Evans, H. E., 532 (r)  
 Evrard, J. O., 31  
 Fang, G., 90 (r)  
 Fellers, G. M., 518 (r)  
 Fennell, J. F., 399 (r)  
 Fennell, J. S., 399 (r)  
 Ficken, M. S., 190-197  
 Fitzherbert, K., 534-535 (r)  
 Fleischer, R., 246 (r)  
 Flemming, S. P., 270-273  
 Foa, A., 518 (r), 519 (r)  
 Ford, H. A., 401 (r)  
 Frank, A., 395 (r)  
 Franklin, R., 528 (r)  
 Frelin, C., 517-518 (r)  
 Frohring, P. C., 81 (r)  
 Frost, P. G. H., 520 (r)  
 Fry, C. H., 521-522 (r)  
 Fujioka, M., 386-387 (r), 388 (r)  
 Furness, R. W., 252 (r)  
 Futch, A. G., 318-333  
 Garrity, S. D., 261-262 (r), 534 (r)  
 Gaston, A. J., 464-473  
 Gatter, W., 244-245 (r)  
 Geiger, C., 249 (r), 255 (r)  
 Giongo, F., 518 (r)  
 Goossen, J. P., 398 (r)  
 Gotmark, F., 405-406 (r)  
 Graul, W. D., 396-397 (r)  
 Green, K., 406 (r)  
 Gress, B., 247 (r)  
 Griffiths, D., 249 (r)  
 Grunewald, T. R., 31  
 Guillory, H. D., 425-427  
 Guillou, J. J., 531 (r)  
 Haffer, J., 257 (r)  
 Hamel, P. B., 537-538 (r)  
 Hänel, C., 284-287  
 Hannon, S. J., 389-390 (r)  
 Haramis, G. M., 198-200  
 Hardy, J. W., 263 (r)  
 Harfenist, A., 206-217  
 Hario, M., 520 (r)  
 Harris, M. P., 525 (r)  
 Harvey, P. H., 243 (r)  
 Haydock, J., 522 (r)  
 Hébert, P. N., 385 (r)  
 Heins-Loy, M., 82 (r)  
 Helb, H. W., 252 (r), 528 (r)

- Helle, P., 85 (r)  
 Helm, R. N., 55-61  
 Henderson, R. P., 255 (r)  
 Henry, C., 93 (r)  
 Hepper, D. N., 534 (r)  
 Herholdt, J. J., 401 (r)  
 Higuchi, H., 261 (r)  
 Hill, G. E., 311-317  
 Hobson, K. A., 222-224  
 Hockey, P. A. R., 256 (r)  
 Hodges, M. F., 91 (r)  
 Hoffer, H., 84 (r)  
 Hoffman, R. L., 87 (r)  
 Hogstad, O., 525 (r)  
 Hooper, T. D., 403 (r)  
 Horvath, E. G., 387 (r)  
 Huang, S., 89 (r)  
 Hudson, P. J., 252 (r)  
 Hustings, F., 519 (r)  
 Ijas, L., 526 (r)  
 Ingold, D. A., 66-68  
 Ingold, D. J., 234-235  
 Ingold, J. J., 66-68  
 Inoue, Y., 387-388 (r)  
 Isenman, P., 530 (r)  
 Isley, L. D., 90 (r)  
 Jaarola, M., 84 (r)  
 Jackson, B. J., 82 (r), 91 (r)  
 Jackson, J. A., 81 (r), 82 (r), 85 (r), 87 (r),  
 91 (r), 288-290  
 Jackson, S., 402 (r)  
 Jaeger, M. M., 490-498  
 James, D. A., 408-409 (r)  
 James, P. C., 112-117  
 James, R. D., 523 (r)  
 Jamieson, I. G., 400 (r)  
 Janssen, R. B., 256 (r)  
 Jehl, J. R., Jr., 231-233  
 Jemison, E. S., 474-479  
 Jenni, L., 243-244 (r)  
 Jiang, S., 90 (r)  
 Johns, B. E., 490-498  
 Johnson, N. K., 255 (r)  
 Johnson, S. G., 247 (r)  
 Johnston, R. F., 247 (r)  
 Jones, G., 90 (r)  
 Joste, N., 387 (r)  
 Jouventin, P., 384 (r)  
 Juillard, M., 391 (r)  
 Kaiser, G. W., 103-111  
 Kalas, J. A., 249 (r)  
 Kaneko, Y., 81 (r)  
 Karasov, W. H., 88 (r)  
 Karl, B. J., 73-77  
 Kastner, J., 538 (r)  
 Kelsall, J. P., 524 (r)  
 Kent, D. M., 402-403 (r)  
 King, B., 407-408 (r)  
 Kirby, R. E., 474-479  
 Kirkham, I. R., 505-515  
 Kirkpatrick, R. D., 527 (r)  
 Klages, N., 533 (r)  
 Klimkiewicz, M. K., 318-333  
 Knittle, C. E., 490-498  
 Knopf, A. A., 538 (r)  
 Knopf, F. L., 86 (r)  
 Knudsen, E. I., 536 (r)  
 Knudsen, P. F., 536 (r)  
 Koch, U. T., 528 (r)  
 Koenig, W. D., 389-390 (r)  
 Korpimäki, E., 92 (r), 249 (r), 250 (r), 397  
 (r), 519 (r), 534 (r)  
 Korzun, L. P., 253 (r)  
 Koski, W. R., 256 (r)  
 Krebs, J. R., 388-389 (r)  
 Krechmar, A. V., 247 (r)  
 Kricher, J. C., 1  
 Kushlan, J. A., 81 (r)  
 Labisky, R. F., 86 (r)  
 Lacey, R. C., 260 (r)  
 Lack, E., 536-537 (r)  
 Lack, P., 251 (r)  
 Lackie, P. M., 534 (r)  
 La Cock, G. D., 284-287, 445-455  
 Lagerstrom, M., 519 (r)  
 Laguesse, M., 523 (r)  
 Langhelle, G., 383 (r)  
 Langworthy, R. A., 253 (r)  
 Larimore, R. W., 527-528 (r)  
 LaValley, S. A., 218-221  
 Lein, M. R., 519-520 (r)  
 Lemon, M., 388 (r)  
 Lensink, R., 518 (r)  
 LeValley, R., 255 (r)  
 Levey, D. J., 403-404 (r)  
 Levings, S. C., 261-262 (r), 534 (r)  
 Li, F., 89 (r)  
 Ligon, J. D., 387 (r), 522 (r)  
 Lill, A., 91 (r)  
 Lima, S. L., 399-400 (r)  
 Lingle, G. R., 250 (r)  
 Linnartz, L. G., 518 (r)  
 Linz, G. M., 293-296, 490-498  
 Linz, L. J., 293-296  
 Lish, J. W., 90 (r)  
 Livezey, B. C., 532-533 (r)  
 Logan, C. A., 297-305  
 Losch, M., 528 (r)  
 Lowther, P. E., 247 (r)  
 Lumsden, H. G., 245-246 (r)  
 Lundberg, A., 258 (r)  
 Lundberg, P., 389 (r)  
 Lynch, J. F., 393 (r)  
 Lyon, B. E., 386 (r)

- Lyons, D. M., 334-344  
 Maccarone, A. D., 148-151  
 MacDonald, R. A., 383 (r)  
 MacInnes, C. D., 355-371  
 Maffei, G., 408 (r)  
 Majerus, M. E. N., 260 (r)  
 Margulis, S. W., 525 (r)  
 Marler, P., 407 (r)  
 Marsh, R. C., 528 (r)  
 Marti, C. D., 531 (r)  
 Martin, K., 386 (r)  
 Maruyama, N., 89 (r), 383-384 (r)  
 Massey, B. W., 32-40, 41-48  
 Maurer, B. H., 393-394 (r)  
 Mayaud, N., 531 (r)  
 Mayoh, K. R., 401-402 (r)  
 McAuley, D. G., 198-200  
 McEwen, L. C., 252-253 (r)  
 McFarland, D. C., 391 (r)  
 McGillivray, W. B., 350-354  
 McGregor, P. K., 263 (r)  
 McNeil, R., 78-80  
 McNicholl, M. K., 256 (r)  
 Mehlhop, P., 393 (r)  
 Meniushina, I. E., 390-391 (r)  
 Menkens, G. E., Jr., 22-25  
 Menyushina, I. E., 262 (r)  
 Mercier, F., 78-80  
 Merton, D., 530 (r)  
 Metcalfe, N. B., 258 (r)  
 Miles, D. B., 246 (r)  
 Miller, E. H., 49-51, 535 (r)  
 Miskelly, C. M., 90 (r)  
 Mitchell, C. A., 480-489  
 Moermond, T. C., 403-404 (r)  
 Moholt, R. K., 387 (r)  
 Moller, A. P., 83 (r), 389 (r)  
 Monaghan, P., 258 (r)  
 Montague, T. L., 534-535 (r)  
 Montevecchi, W. A., 148-151  
 Montgomerie, R. D., 386 (r)  
 Morel, M. Y., 528-529 (r)  
 Moreno, J. M. A., 529-530 (r)  
 Morrell, S. H., 399 (r)  
 Morrison, K., 90 (r)  
 Morton, M. L., 6-21  
 Mosher, J. A., 274-283, 334-344  
 Mougou, J.-L., 384 (r)  
 Mumme, R. L., 389-390 (r)  
 Naef-Daenzer, B., 251 (r)  
 Nagy, K. A., 528 (r)  
 Nardin, C., 401 (r)  
 Nardin, G., 401 (r)  
 Neal, J. C., 408-409 (r)  
 Nettleship, D. N., 505-515  
 Neuschulz, F., 244 (r)  
 Nichols, L., 288-290  
 Nolan, V., Jr., 524-525 (r)  
 Norberg, R. A., 397-398 (r)  
 Nordh, N.-E., 84 (r)  
 Nordin, K. E., 350-354  
 Nørrevang, A., 394-395 (r)  
 Nostke, S., 401 (r)  
 Nowicki, S., 535 (r)  
 Nyhof, M., 403 (r)  
 Nyholm, N. E. I., 383 (r)  
 Ogi, H., 91-92 (r)  
 Ohlendorf, H. M., 396 (r)  
 Oka, N., 89 (r), 383-384 (r)  
 Oliphant, L. W., 112-117  
 Olson, S. L., 257 (r), 530 (r)  
 Ormerod, S. J., 92 (r)  
 Ovsianikov, N. G., 390-391 (r)  
 Ovsyanikov, N. G., 262 (r)  
 Parrish, J. R., 522 (r)  
 Pashley, D. N., 55-61  
 Paton, P. W. C., 252 (r)  
 Pavelka, J., 256 (r)  
 Payne, R. B., 152-170, 262-263 (r)  
 Peacock, R. J., 90 (r)  
 Peck, M. K., 523 (r)  
 Penry, E. H., 525-526 (r)  
 Pereyra, M. E., 6-21  
 Perthuis, A., 93 (r)  
 Peters, S. S., 407 (r)  
 Petersson, L. R., 395 (r)  
 Petit, D. R., 52-54  
 Petit, L. J., 52-54  
 Phan, D., 88 (r)  
 Phelan, J. P., 135-143  
 Picman, J., 372-382  
 Piersma, T., 401 (r)  
 Pietiäinen, H., 387 (r)  
 Pietz, M. A. J., 442-444  
 Pietz, P. J., 442-444  
 Pinshow, B., 528 (r)  
 Pitelka, F. A., 225-230, 389-390 (r)  
 Platt, M. E., 190-197  
 Porter, M. L., 86 (r)  
 Poysa, H., 526-527 (r)  
 Pratt, T., 256 (r)  
 Prevec, R., 255 (r)  
 Prior, K., 248 (r)  
 Pyle, P., 537 (r)  
 Qian, G., 89 (r)  
 Quelle, M., 243 (r)  
 Quinn, J. S., 533 (r)  
 Quinn, T. W., 533 (r)  
 Raikow, R. J., 257 (r)  
 Randall, B. M., 445-455, 520 (r)  
 Randall, R. M., 445-455, 520 (r)  
 Rasmussen, D. T., 257 (r)  
 Ratcliffe, L. M., 516 (r)  
 Rauzon, M. J., 527 (r)

- Raven, P., 92 (r)  
 Reid, M. L., 49–51  
 Reuss, S., 519 (r)  
 Rezanov, A. G., 405 (r)  
 Rice, J., 524 (r)  
 Richardson, H., 533 (r)  
 Ricklefs, R. E., 528 (r)  
 Riddiford, N., 82 (r)  
 Rintoul, D. A., 256 (r)  
 Roberts, T. J., 407–408 (r)  
 Robertson, R. J., 236–242, 400 (r)  
 Robertson, W. B., Jr., 413–424  
 Robinson, S. K., 405 (r)  
 Roby, D. D., 528 (r)  
 Rockwell, R. F., 386 (r)  
 Rodriguez S., J. R., 78–80  
 Roell, A., 250–251 (r)  
 Rooke, I. J., 253 (r)  
 Roskaft, E., 245 (r)  
 Ross, G. J. B., 445–455  
 Rotenberry, J. T., 392 (r)  
 Ryder, R. A., 396–397 (r)  
 Safriel, U. N., 525 (r)  
 Sagar, P. M., 399 (r), 531 (r)  
 Salo, J., 393 (r)  
 Salter, R. E., 256 (r)  
 Sanchez, J. M., 534 (r)  
 Santana C., E., 26–30, 403–404 (r)  
 Sato, S., 81 (r)  
 Saurola, P., 387 (r), 519 (r)  
 Schaffner, F. C., 396 (r)  
 Schamel, D., 126–134  
 Schifferli, L., 251 (r)  
 Schladweiler, P., 252–253 (r)  
 Schluter, D., 261 (r)  
 Schmidt, K. H., 245 (r)  
 Schmidt-Koenig, K., 243 (r)  
 Schramm, M., 262 (r)  
 Schulenberg, E. F., 246 (r)  
 Schulenberg, J. H., 246 (r)  
 Schwab, D., 291–292  
 Schwartz, R., 517 (r), 522 (r)  
 Sclaro, J. A., 432–441  
 Scott, J. M., 252 (r)  
 Sealy, S. G., 222–224, 456–463  
 Searcy, W. A., 407 (r)  
 Sedgwick, J. A., 86 (r)  
 Selin, K., 520 (r)  
 Semm, P., 519 (r)  
 Sharik, T. L., 395–396 (r)  
 Sharp, B., 88 (r)  
 Siegel-Causey, D., 523 (r)  
 Simmons, R., 521 (r)  
 Simpson, K., 524 (r)  
 Sinclair, J. C., 256 (r)  
 Singer, A., 96 (r)  
 Slagsvold, T., 245 (r), 387 (r)  
 Smartt, R. A., 262 (r)  
 Smith, A. R., 112–117  
 Smith, G. E. J., 103–111  
 Smith, J. A., 256 (r)  
 Smith, J. N. M., 524 (r)  
 Smith, K. G., 93 (r)  
 Smith, P. C., 521 (r)  
 Snow, B. K., 404–405 (r)  
 Snow, D. W., 404–405 (r)  
 Solonen, T., 95 (r)  
 Spence, J. L., 91 (r)  
 Sperry, M. L., 201–205  
 Stacey, P., 387 (r)  
 Stafford, C. J., 395 (r), 396 (r)  
 Stahl, J.-C., 384 (r)  
 Stehn, R. A., 87 (r)  
 Stevens, T. A., 388–389 (r)  
 Strom, K. J., 250 (r)  
 Strong, P. I. V., 218–221  
 Studd, M. V., 400 (r)  
 Stutchbury, B. J., 236–242  
 Sutton, G. M., 96 (r), 254 (r)  
 Svensson, B. W., 523 (r)  
 Svensson, L., 96 (r)  
 Swedberg, J. E., 81 (r)  
 Swenson, J. E., 247–248 (r)  
 Sykes, P. W., Jr., 171–189  
 Szaro, R. C., 392–393 (r)  
 Takhtajan, A., 263–264 (r)  
 Tanaka, H., 91–92 (r)  
 Tanaka, Y., 81 (r)  
 Tarboten, W. R., 521–522 (r)  
 Temple, S. A., 26–30, 259 (r)  
 Tessier, G. D., 206–217  
 Thomas, C. D., 534 (r)  
 Tidemann, S. C., 384 (r)  
 Titman, R. D., 385–386 (r)  
 Titus, K., 274–283  
 Tom, F. A., 253 (r)  
 Torok, J., 262 (r)  
 Tostain, O., 520–521 (r)  
 Toups, J. A., 91 (r)  
 Tracy, D. M., 126–134  
 Tree, A. J., 256 (r)  
 Tsujita, T., 91–92 (r)  
 Tyler, S. J., 92 (r)  
 Väisänen, R. A., 387 (r)  
 Valkeajarvi, P., 526 (r)  
 Valley, P. J., 527 (r)  
 Van Den Bergh, L. M. J., 245 (r)  
 Van Horne, B., 392 (r)  
 van Raden, H., 244 (r)  
 Vargas, H., 101–102  
 Varza, D., 522 (r)  
 Veitch, C. R., 530 (r)  
 Verbeek, N. A. M., 533 (r)  
 Vermeer, K., 388 (r)

- Vernon, C. J., 245 (r)  
Vos, D. K., 396-397 (r)  
Waller, J. D., 345-349  
Wallraff, H. G., 518 (r)  
Walsberg, G. E., 88 (r)  
Walton, R., 524-525 (r)  
Walton, R. K., 95 (r)  
Ward, D., 407 (r)  
Warkentin, I. G., 112-117  
Watanuki, Y., 83 (r)  
Watkins, B. P., 252 (r)  
Weimerskirch, H., 384 (r)  
Weinstein, Y., 528 (r)  
Whelan, J., 383 (r)  
White, B. N., 533 (r)  
Wiens, J. A., 392 (r)  
Williams, J. B., 528 (r)  
Willson, M. F., 404 (r)  
Wiltshcko, R., 519 (r)  
Wiltshcko, W., 519 (r)  
Winkler, D. W., 405-406 (r), 407 (r)  
Wise, G. S., 522(r)  
Wood, R., 87 (r)  
Wood, R. C., 399 (r)  
Wooley, J. B., Jr., 86 (r)  
Woollfenden, G. E., 413-424  
Woronecki, P. P., 87 (r)  
Wyckoff, A. M., 255 (r)  
Wyndham, E., 522 (r)  
Xu, H., 89 (r)  
Yamagishi, S., 388 (r)  
Yesilevskaya, M. A., 253-254 (r)  
Yochem, P. K., 231-233  
Young, A. D., 385-386 (r)  
Zach, R., 401-402 (r)  
Zach, S., 83 (r)  
Zahm, G., 474-479  
Zeh, J., 245 (r)  
Zeleny, L., 87 (r)  
Zemba, R., 32-40, 41-48  
Zheng, X., 526 (r)  
Zheng, Z., 90 (r)  
Zhu, G., 90 (r)  
Ziewitz, J. W., 250 (r)  
Zwank, P. J., 55-61

## 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 (e.g., Cook Islands): 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 primarily by geographic location.

- Africa, 244, 245, 256, 521
- Alabama, 81, 522
- Alaska, 126-134, 225-230, 326, 329, 355-361
- Alberta, 112-117, 256, 350-354, 355-371, 492-497, 520
- Antarctica, 399, 406
- Argentina, 432-441
- Arizona, 246, 320-323, 325, 326, 329, 392-393
- Arkansas, 327, 408-409, 492, 527
- Aruba, 26-30
- Australia, 89, 91, 251, 258, 401, 534
- Australian region, 522
- Bahamas, 26-30
- banding and longevity
  - band loss, 413-424
  - capture frequency, 10-11
  - longevity records, 49-51, 318-333
  - nasal saddle icing, 499-504
  - recaptures
    - African Penguin, 284-287
    - Loggerhead Shrike, 62-65
    - Osprey, 26-30
    - social, economic, political factors, 26-30
- behavior
  - adoption, Piping Plover, 270-273
  - aggression, interspecific
    - Common Loon, 201-205
    - Red-headed Woodpecker, 288-290
  - anti-predator, Gray Jay, 148-151
  - courtship, Snail Kite, 171-189
  - dominance reversal, Song Sparrow, 4-5
  - flocking
    - Rock Dove, 135-143
    - seabirds, 456-463
  - foraging
    - Rock Dove, 135-143
    - Wood Duck, 474-479
  - fruit defense, American Robin, 442-444
  - individual recognition, Clapper Rail, 32-40
  - nectar-robbing, 345-349
  - ontogeny, Broad-winged Hawk, 334-344
  - parasitic egg rejection, Northern Oriole, 222-224
  - parental care, Broad-winged Hawk, 334-344
  - predation, eggs, 372-382
  - territory
    - Clapper Rail, 32-40
    - Northern Mockingbird, 297-305
  - vocalizations
    - Clapper Rail, 32-40, 41-48
    - House Wren, 190-198
- Belgium, 523
- Belize, 322
- Bering Sea, 92
- Bonair, 26-30
- Brazil, Amazonia, 393
- British Columbia, 103-111, 256, 330, 355-371, 388, 398, 403, 456-463, 524, 533
- British West Indies, 516
- California, 6-21, 32-40, 41-48, 81, 231-233, 255, 320, 322-325, 327, 328, 331, 355-371, 396, 407, 518
- Canada, 535
- Caribbean, 506
- Central America, 81
- China, 89, 90, 526
- Colorado, 86, 112-117, 355-371, 396-397, 525
- Columbia, 206-217
- Connecticut, 135-143, 322, 329, 331, 517, 522
- conservation and environmental quality
  - organochlorine contamination, 480-489
  - breeding success, Snail Kite, 171-189
  - status, Roseate Tern, 505-515
- Cook Islands, 530
- Costa Rica, 403, 404-405
- Crozet Islands, 384
- Cuba, 26-30, 206-217
- Czechoslovakia, 256
- Dominica, 26-30
- Dominican Republic (Hispaniola), 26-30, 206-217
- ecology
  - competition for nest boxes, 425-427
  - foraging range, penguins, 118-125
  - habitat effect on song, 152-170

- life table, penguins, 432-441
- nectar robbing, 345-349
- Ecuador, 522
- Editorial, 1, 2-3
- Egypt, 257
- El Salvador, 206-217
- England, 81, 82, 85, 92, 263, 388-389
- Ethiopian region, 522
- Europe, 521
  - central, 251-252
- Faroe Islands, 394
- Finland, 85, 92, 95, 249-250, 387, 397, 519, 520, 526, 534
- Florida, 81, 86, 171-189, 206-217, 321, 324, 329, 402, 413-424, 505
- food and feeding
  - flocking seabirds, 456-463
  - food selection, Gray Jay, 148-151
  - fruit defense, American Robin, 442-444
  - pecan eating, Wood Duck, 474-479
  - predation, Loggerhead Shrike, 66-68
- France, 90, 93, 391, 398, 401, 517, 530
- Galapagos, 101-102, 261, 263
- Georgia, 81, 322
- Germany, 243, 251
- Great Lakes, 206-217
- Greece, 391
- Haiti (Hispaniola), 26-30
- Hawaii, 252, 254, 331
- Hispaniola, 26-30
- Honduras, 206-217
- Hungary, 262
- Idaho, 355-371
- Illinois, 328, 332, 355-371, 499-504
- Indiana, 264
- Iowa, 86, 355-371, 396, 538
- Ireland, 383
- Italy, 408
- Jamaica, 26-30
- Japan, 83, 89, 261, 383-384, 388
- Kansas, 112-117, 246, 247, 256, 321, 325
- Kenya, 83, 248, 251
- Kermadec Islands, 530
- Lesser Antilles, 505
- Louisiana, 55-61, 81, 492
- Madagascar, 246
- Manitoba, 144-147, 222-224, 330, 355-371, 492-497
- Maryland, 26-30, 198-200, 274-283, 321, 328, 330, 334-344
- Massachusetts, 81, 95, 266, 325, 505
- Mauritania, 531
- Michigan, 26-30, 323, 324, 327, 328, 330, 355-371
- migration, orientation, and homing
  - chronology
  - Osprey, 26-30
  - Western Sandpiper, 103-111
  - White-crowned Sparrow, 6-21
- dispersal
  - Common Tern, 206-217
  - Loggerhead Shrike, 62-65
  - penguins, 445-455
  - Osprey, 26-30
  - Red-winged Blackbird, 490-498
- Minnesota, 201-205, 255, 256, 325, 442-444, 490-497, 527
- Mississippi, 81, 82, 91, 234-235, 288-290, 327, 492
- Missouri, 355-371, 490-497
- mist nets, 410-411
- Montana, 112-117, 247-248, 355-371, 492-497
- Morocco, 534
- morphology and anatomy
  - fat deposits, 11-14, 18-19, 306-310
  - growth, Broad-winged Hawk, 334-344
  - weight, 11-14, 18-19, 103-111
- Namibia, 445-455
- Nebraska, 112-117, 250, 324
- nesting and reproduction
  - adoption, Piping Plover, 270-273
  - breeding biology, Pale-legged Hornero, 428-431
  - breeding chronology
    - Pomarine Jaeger, 225-230
    - Red Phalarope, 126-134
    - Snail Kite, 171-189
  - clutch size, Canada Goose, 355-371
  - death of incubating females, 52-54
  - double-broodedness, Red-headed Woodpecker, 234-235
  - estimating laying date, 464-473
  - growth, Broad-winged Hawk, 334-344
  - nest characteristics
    - Moorhen, 55-61
    - Purple Gallinule, 55-61
  - nest site characteristics
    - Broad-winged Hawk, 274-283
    - Golden Eagle, 22-25
    - Moorhen, 55-61
    - Purple Gallinule, 55-61
    - Ring-necked Duck, 31
  - parasitic egg rejection, 222-224
  - parasitism by cowbirds, 350-354
  - parental care, Broad-winged Hawk, 334-344
  - predation, eggs, 372-382
  - reproductive success, Black Skimmer, 480-489
- Netherlands, 245, 250-251, 517-518, 519
- Nevada, 320
- New Brunswick, 331, 385-386, 507
- Newfoundland, 69-72, 148-151, 524



- New Guinea, 257  
 New Jersey, 26–30, 327, 328, 330, 505, 521  
 New Mexico, 261, 311–317, 322, 522  
 New York, 26–30, 206–217, 326, 505  
 New Zealand, 73–77, 90, 251, 399  
 North America, 516, 521, 537  
 North Carolina, 81, 291–292, 297–305, 323, 327, 329  
 North Dakota, 112–117, 323, 327, 490–497  
 Northwest Territories, 326, 329, 355–371  
 Norway, 383, 387, 525  
 Nova Scotia, 49–51, 270–273, 507–515  
 Ohio, 206–217, 331, 355–371, 526  
 Oklahoma, 90, 91, 254, 320, 474–479, 492  
 Ontario, 206–217, 236–242, 245, 255, 256, 355–371, 492–497, 517, 521, 523  
 Oregon, 320, 326, 330, 355–371, 387, 392  
 Pacific, 81  
     central islands, 527  
 Pakistan, 407–408  
 Panama, 261–262, 534  
 parasites and diseases  
     avian poxvirus, 101–102  
     tick, 291–292  
 Pennsylvania, 320, 327, 328, 330, 526  
 Peru, 206–217, 306–310, 405, 428–431  
 plumages and molts  
     aging, Black-headed Grosbeak, 311–317  
     delayed plumage maturation, 311–317  
     molt, Peruvian birds, 306–310  
     primaries, growth rate, Red-winged Blackbird, 293–296  
     sexing  
         Black-headed Grosbeak, 311–317  
         Tree Swallow, 236–242  
     sexual monochromism, 288–290  
 population dynamics  
     band loss, 413–424  
     breeding  
         Pomarine Jaeger, 225–230  
         Snail Kite, 171–189  
     clutch size, Canada Goose, 355–371  
     growth, African Penguin, 284–287  
     life table, Magellanic Penguin, 432–441  
     longevity, 49–51, 318–333  
 Portugal, 391, 530  
 Puerto Rico, 26–30, 538  
 Quebec, 69–72, 329, 507  
 Rhode Island, 355–371, 395, 538  
 Russia, 247, 262, 405  
 St. Lucia, 26–30  
 Saskatchewan, 112–117, 355–371  
 Scotland, 90, 258  
 Senegal, 528  
 songs and vocalizations  
     dialects, indigobirds, 152–170  
     function, Clapper Rail, 41–48  
     habitat effect, indigobirds, 152–170  
     repertoire  
         Clapper Rail, 32–40  
         House Wren, 190–197  
     seasonality, Clapper Rail, 41–48  
     song sharing, House Wren, 190–197  
 South Africa, 118–125, 252, 262, 284–287, 384–385, 401, 445–455  
     Prince Edward Islands, 533  
 South America, 81, 523  
 South Carolina, 81, 321, 325  
 South Dakota, 112–117, 326, 328, 355–371, 490–497  
 South Korea, 401  
 Spain, 391, 530  
 Sweden, 84, 383, 395, 397, 523  
 Switzerland, 243–244, 255  
 techniques  
     aging, Black-headed Grosbeak, 311–317  
     band loss, 413–424  
     camera record of predation, 372–382  
     capturing  
         Eared Grebe, 231–233  
         Wood Duck, 474–479  
     Christmas Bird Count analysis, 112–117  
     colored leg band for loons, 218–221  
     corral trap, 198–200  
     estimating laying date, 464–473  
     hidden tunnel to blind, 69–72  
     laparotomy, 6  
     nasal saddle icing, 499–504  
     nylon fasteners for tags, 265–269  
     remote sensor for swimming speed, 118–125  
     sexing  
         Black-headed Grosbeak, 311–317  
         duckling, Gadwall, 144–147  
         Tree Swallow, 236–242  
     stop-over duration, estimating, 110–111  
     weak link radio harness, 73–77  
 Tennessee, 52–54, 355–371, 492  
 Texas, 66–68, 81, 82, 250, 254, 328, 329, 480–489  
 Trinidad, 26–30  
 Utah, 321, 355–371, 531  
 Venezuela, 78–80, 206–217  
 Vermont, 320  
 Virgin Islands, 345–349  
 Virginia, 26–30, 330, 355–371, 395–396  
 Wales, 92, 525  
 Washington, 87, 355–371  
 West Indies, 81  
 West Virginia, 320, 321  
 wildlife management  
     adoption, Piping Plover, 270–273

- capture
  - Eared Grebe, 231-233
  - Wood Duck, 474-479
- competition for nestboxes, 425-427
- weak link radio harness, 73-77
- Wisconsin, 26-30, 31, 190-197, 330, 355-371, 492-497
- Wrangel Island, 390
- Wyoming, 22-25, 112-117, 355-371
- Zambia, 152-170, 525
- zoogeography and distribution
  - breeding biology, Pale-legged Hornero, 428-431
  - clutch size, Canada Goose, 355-371
- dispersal
  - African Penguin, 445-455
  - Red-winged Blackbird, 490-497
- range extension
  - Bar-tailed Godwit, 78-80
  - Merlin, 112-117
- winter range
  - Common Tern, 206-217
  - Loggerhead Shrike, 62-65

## Taxonomic Index

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

- Accipiter nisus*, 342, 344  
*A. striatus*, 522  
*A. tachiro*, 248  
*Acrocephalus scirpaceus*, 82  
*Actitis macularia*, 426  
*Aechmophorus occidentalis*, 232  
*Aegolius funereus*, 397, 519, 531, 534  
*Agelaius phoeniceus*, 87, 196, 197, 246, 265, 293, 296, 327, 490, 519  
*A. tricolor*, 223, 327  
*Aimophila botteri*, 394  
*A. cassinii*, 394  
*A. ruficeps*, 246, 322  
*Aix sponsa*, 474, 478  
*Alauda arvensis*, 83, 253  
*A. gulgula*, 526  
Albatross, Buller's, see *Diomedea b. bulleri*  
    Gray-headed, see *D. chrysostris*  
    Wandering, see *D. exulans*  
    Yellow-nosed, see *D. chlororhynchos*  
Alcedinidae, 307  
*Alcedo atthis*, 92  
*Ammodramus maritimus*, 324  
*A. maritimus nigrescens*, 324  
*A. princeps*, 514  
*A. savannarum*, 67, 87, 324  
*Amphispiza belli*, 170, 392  
*A. bilineata*, 256, 323, 394  
*Anas acuta*, 254, 516, 527  
*A. americana*, 516  
*A. clypeata*, 89, 232, 527  
*A. crecca*, 89, 254, 475, 516, 527  
*A. crecca carolinensis*, 90  
*A. discors*, 28, 31, 91, 146, 516  
*A. penelope*, 245, 527  
*A. platyrhynchos*, 31, 202, 203, 232, 245, 405, 475, 499, 527  
*A. querquedula*, 527  
*A. strepera*, 144, 232, 475  
Anatidae: *Tachyeres*, 532  
Ani, Smooth-billed, see *Crotophaga ani*  
*Anous stolidus*, 527  
*Anser albifrons*, 247  
*A. caerulescens*, 386, 391  
*A. caerulescens caerulescens*, 533  
Antbird, Guianese, see *Formicariidae*  
    see *Hylopezus macularius*  
    see *Thamnophilus nigrocinereus*  
    White-throated, see *Gymnophithys salvini*  
*Anthus pratensis*, 82  
*A. trivialis*, 85  
Apapane, see *Himatione sanguinea*  
*Aphelocoma c. coerulescens*, 83  
*Aplonis mavornata*, 530  
*Aptenodytes forsteri*, 125  
*A. patagonicus*, 121, 124, 455  
*Aquila chrysaetos*, 22-25, 337  
*Ardea cinerea*, 249, 255, 424, 531  
*A. herodias*, 143, 387, 396, 524  
*A. monicae*, 531  
*Ardeola striata*, 261  
*Arenaria interpres*, 49  
*Asio flammeus*, 227  
*A. otus*, 403  
*Athene noctua*, 391  
Auklet, Cassin's, see *Ptychoramphus aleuticus*  
    Rhinoceros, see *Cerorhinca monocerata*  
*Aythya affinis*, 200  
*A. americana*, 145, 147  
*A. collaris*, 31, 149, 202, 203  
*A. fuligula*, 245  
*A. marila*, 200  
*A. valisineria*, 145, 146, 198  
Bananaquit, see *Coereba flaveola*  
Barbet, Black-collared, see *Lybius torquatus*  
    Crested, see *Trachyphonus vaillantii*  
Bittern, Least, see *Ixobrychus exilis*  
Blackbirds, Brewer's, see *Euphagus cyanocephalus*  
    Eurasian, see *Turdus merula*  
    Redwinged, see *Agelaius phoeniceus*  
    Rusty, see *E. carolinus*  
    Tricolored, see *A. tricolor*  
    Yellow-headed, see *Xanthocephalus xanthocephalus*  
Bluebird, Eastern, see *Sialia sialis sialis*  
    Mountain, see *S. currucoides*  
Bobolink, see *Dolichonyx oryzivorus*  
Bobwhites, Northern, see *Colinus virginianus*  
*Bombycilla cedrorum*, 442  
*B. garrulus*, 112, 114  
Booby, Masked, see *Sula dactylatra*  
Boubou, African, see *Laniarius ferrugineus*  
*Bowdleria*, 90  
*Brachyramphus marmoratus*, 456, 457  
Bramblings, see *Fringilla montifringilla*  
Brant, see *Branta bernicla*  
*Branta bernicla*, 516

- B. canadensis*, 203, 355, 369–370, 499  
*Bubo virginianus*, 148, 186  
*Bubulcus ibis*, 273, 386  
 Bucconidae, 307  
*Bucephala clangula*, 201, 203, 245  
*Bucorvus leadbeateri*, 245  
 Budgerigar, see *Melopsittacus undulatus*  
 Bullfinches, see *Pyrrhula pyrrhula*  
     Lesser Antillean, see *Loxigilla noctis*  
*Bulweria* spp., 81  
 Buntings, Black-headed, see *Emberiza melanocephala*  
     Corn, see *E. calandra*  
     Indigo, see *Passerina cyanea*  
     Lark, see *Calamospiza melanocorys*  
     Lazuli, see *P. amoena*  
     Little, see *E. pusilla*  
     McKay's, see *Plectrophenax hyperboreus*  
     Ortolan, see *E. hortulana*  
     Painted, see *Passerina ciris*  
     Snow, see *Plectrophenax nivalis*  
*Buteo buteo*, 424  
*B. lineatus*, 274, 275, 283  
*B. platypterus*, 274, 275, 282, 283, 334, 343  
*Cacicus cela*, 405  
 Caciques, Yellow-rumped, see *Cacicus cela*  
*Calamospiza melanocorys*, 323, 350  
*Calcarius lapponicus*, 225, 326  
*C. mccownii*, 252  
*C. ornatus*, 255  
*Calidris alba*, 49, 50  
*C. alpina*, 50, 51, 109, 110, 130, 134, 395  
*C. alpina alpina*, 20  
*C. canutus*, 516  
*C. ferruginea*, 395  
*C. mauri*, 50, 103  
*C. melanotos*, 91  
*C. minutilla*, 49, 50, 535  
*C. pusilla*, 19  
*C. temminckii*, 50  
*Calonectris* spp., 81  
 Canvasback, see *Aythya valisineria*  
 Capercaillie, see *Tetrao urogallus*  
 Cardinal, Northern, see *Cardinalis cardinalis*  
*Cardinalis cardinalis*, 66, 250, 320, 393  
*C. sinuatus*, 320  
*Carduelis chloris*, 295  
*C. flavirostris*, 526  
*C. flammae*, 85, 330, 399  
*C. flammae cabaret*, 296, 399  
*C. pinus*, 330  
*C. psaltria*, 331  
*C. tristis*, 331  
*Carpodacus cassinii*, 330  
*C. mexicanus*, 91, 256, 330  
*C. purpureus*, 330, 443  
 Catbird, Gray, see *Dumetella carolinensis*  
*Catharacta maccormicki*, 399  
*Catharus guttatus*, 256  
*C. ustulatus*, 256  
*Catoptrophorus semipalmatus*, 39, 78  
*Cepphus columba*, 457  
*C. grylle*, 69, 91  
*Cerorhinca monocerata*, 462  
*Certhia familiaris*, 397  
*Ceryle alcyon*, 526  
*C. rudis*, 253  
 Chaffinch, see *Fringilla coelebs coelebs*  
*Charadrius bicinctus*, 522  
*C. hiaticula*, 272, 273  
*C. melodus*, 270  
*C. mongolus*, 256  
*C. morinellus*, 249  
*C. vociferus*, 86  
 Chat, Yellow-breasted, see *Icteria virens*  
*Chen caerulescens*, 52  
*C. caerulescens caerulescens*, 221  
 Chickadee, Black-capped, see *Parus atricapillus*  
     Carolina, see *P. carolinensis*  
*Chlidonias nigra*, 211  
*Chondestes grammacus*, 323  
*Chordeiles acutipennis*, 91  
*C. minor*, 398  
*Cinclus cinclus*, 92  
*Circus aeruginosus*, 251  
*C. cyaneus*, 517, 521  
*Cistothorus palustris*, 195, 380  
*C. platensis*, 195  
*Clupea harengus pallasii*, 456  
*Coccothraustes vespertinus*, 331  
*Coccyzus americana*, 516  
*C. minor*, 516  
*Coenocorypha*, 90  
*Coereba flaveola*, 345, 346  
*Colaptes auratus*, 288  
*Colinus virginianus*, 88  
*Columba fasciata*, 215  
*C. livia*, 135, 247, 535  
*Conuropsis carolinensis*, 255  
 Coot, see *Fulica americana*  
     European, see *F. atra*  
     Hawaiian American, see *F. americana alai*  
*Coragyps atratus*, 256  
 Cormorant, see *Phalacrocorax carbo*  
     Bank, see *P. neglectus*  
     Magellanic, see *P. magellanicus*  
     Pelagic, see *P. pelagicus*  
     Shag, see *P. aristotelis*  
*Corvus brachyrhynchos*, 37, 151, 187, 380  
*C. caurinus*, 533  
*C. cornix*, 405  
*C. corone*, 250  
*C. cryptoleucus*, 522

- C. frugilegus*, 245, 250, 383  
*C. monedula*, 250  
*C. ossifragus*, 186, 187  
*Coturnix chinensis*, 379  
*C. coturnix*, 379  
 Cowbird, Bronzed, see *Molothrus aeneus*  
     Brown-headed, see *M. ater*  
 Crane, Whooping, see *Grus americana*  
*Creagrus furcatus*, 263  
 Crossbill, Red, see *Loxia curvirostra*  
*Crossoptilon mantchuricum*, 89  
*Crotophaga ani*, 273  
 Crows, American, see *Corvus brachyrhynchos*  
     Carriion, see *C. corone*  
     Common, see *C. brachyrhynchos*  
     Fish, see *C. ossifragus*  
     Hooded, see *C. cornix*  
     Jackdaw, see *C. monedula*  
     Northwestern, see *C. caurinus*  
     Rook, see *C. frugilegus*  
 Cuckoos, Common, see *Cuculus canorus*  
     Mangrove, see *Coccyzus minor*  
     Yellow-billed, see *Coccyzus americana*  
 Cuculidae, 307  
*Cuculus canorus*, 82, 84, 388  
 Curlew, Eastern, see *Numenius madagascariensis*  
     Long-billed, see *N. americanus*  
*Cyanocitta cristata*, 380, 443  
*Cyanopica cyana*, 388  
*Cygnus buccinator*, 256  
*Daption capense*, 406  
*D. capense australe*, 531  
*Delichon urbica*, 370  
*Dendragapus obscurus*, 77  
 Dendrocolaptidae, 307  
*Dendrocopus leucotos*, 256  
*Dendrocygna autumnalis*, 82  
*D. bicolor*, 57  
*Dendroica cerulea*, 247  
*D. coronata*, 67, 291  
*D. discolor*, 396, 516, 524  
*D. palmarum*, 516  
*D. petechia*, 263, 400, 516  
*D. striata*, 16, 20  
*D. tigrina*, 516  
*D. virens*, 516  
 Dickcissel, see *Spiza americana*  
*Diomedea* spp., 81  
*D. b. bulleri*, 90  
*D. chlororhynchos*, 533  
*D. chrysostoma*, 533  
*D. exulans*, 528  
*D. irrorata*, 263  
 Dipper, see *Cinclus cinclus*  
*Dolichonyx oryzivorus*, 326  
 Dotterel, see *Charadrius morinellus*  
     Banded, see *C. bicinctus*  
 Dove, see *Ptilionopus rarotongensis*  
     Collared, see *Streptopelia decaocto*  
     Mourning, see *Zenaidura macroura*  
     Rock, see *Columba livia*  
     Ruddy Quail, see *Geotrygon montana*  
     Turtle, see *S. turtur*  
 Dowitcher, Long-billed, see *Limnodromus scolopaceus*  
 Duck, Black-bellied Whistling, see *Dendrocygna autumnalis*  
     Canvas-back, see *Aythya valisineria*  
     Flying Steamer, see *Tachyeres patachonicus*  
     Fulvous Whistling, see *Dendrocygna bicolor*  
     Redhead, see *A. americana*  
     Ring-necked, see *A. collaris*  
     Ruddy, see *Oxyura jamaicensis*  
     Steamer, see Anatidae: *Tachyeres*  
     Tufted, see *A. fuligula*  
     White-headed, see *Oxyura leucocephala*  
     Wood, see *Aix sponsa*  
*Dumetella carolinensis*, 273, 380, 516  
 Dunlin, see *Calidris a. alpina*  
 Dunnock, see *Prunella modularis*  
 Eagle, Bald, see *Haliaeetus leucocephalus*  
     Golden, see *Aquila chrysaetos*  
     White-tailed Sea, see *H. albicilla*  
 Egrets, Cattle, see *Bubulcus ibis*  
     Great, see *Egretta alba*  
     Little, see *E. garzetta*  
     Snowy, see *E. thula*  
*Egretta alba*, 90  
*E. caerulea*, 402, 403  
*E. garzetta*, 387  
*E. sacra*, 169  
*E. thula*, 402, 403  
*E. tricolor*, 402, 403  
 Eider, Common, see *Somateria mollissima*  
*Elanus caeruleus*, 91  
*Emberiza melanocephala*, 91  
*E. calandra*, 263  
*E. hortulana*, 243  
*E. pusilla*, 91  
 Emberizidae, 307  
*Empidonax difficilis*, 255  
*E. flaviventris*, 255  
*Eremophila alpestris*, 67, 252, 350, 392, 526  
*Erithacus rubecula*, 117  
*Eudypetes* spp., 125  
*E. chrysocome*, 118, 125  
*E. chrysolophus*, 118  
*Eudypetula minor*, 455  
*Eulampis holosericeus*, 346  
*Euphagus carolinus*, 327

- E. cyanocephalus*, 327, 350  
*Euplectes progne*, 260  
*Falco* sp., 272  
*F. columbarius*, 113, 117, 521  
*F. columbarius richardsonii*, 112, 113  
*F. peregrinus*, 398  
*F. tinnunculus*, 92  
 Fernbirds, see *Bowdleria*  
*Ficedula albicollis*, 262  
*F. hypoleuca*, 109, 383, 387  
*F. parva*, 91  
 Fieldfare, see *Turdus pilaris*  
 Finch, Black (Rosy), see *Leucosticte arctoa atrata*  
     Cassin's, see *Carpodacus cassinii*  
     House, see *C. mexicanus*  
     Large Ground, see *Geospiza magnirostris*  
     Laysan, see *Telespiza cantans*  
     Melba, see *Pytilia melba*  
     Nihoa, see *T. ultima*  
     Purple, see *C. purpureus*  
     Red-billed, see *Lagonosticta senegala*  
     Rosy (Gray-crowned), see *Leucosticte arctoa*  
     Small Ground, see *G. fuliginosa*  
     Zebra, see *Poephila guttata*  
 Firefinches, see *Lagonosticta* spp.  
 Flicker, Northern, see *Colaptes auratus*  
 Flycatcher, Ash-throated, see *Myiarchus cinerascens*  
     Collared, see *Ficedula albicollis*  
     Pied, see *F. hypoleuca*  
     Red-breasted, see *F. parva*  
     Western, see *Empidonax difficilis*  
     Yellow-bellied, see *E. flaviventris*  
 Formicariidae, 307, 520  
*Fratercula arctica*, 394, 524  
*Fregata minor*, 263  
*F. tropica*, 384  
 Frigatebird, Great, see *Fregata minor*  
*Fringilla coelebs coelebs*, 20, 310  
*F. montifringilla*, 244, 401  
 Fringillidae, 307  
*Fulica americana*, 232  
*F. americana alai*, 252  
*F. atra*, 245  
 Fulmar, Northern, see *Fulmarus glacialis*  
*Fulmarus glacialis*, 420  
 Furnariidae, 307  
*Furnarius leucopus*, 428  
*F. rufus*, 428  
 Gadwall, see *Anas strepera*  
 Galbulidae, 307  
*Gallinula chloropus*, 55, 60  
*G. comeri*, 252  
*G. galeata*, 61  
 Gallinule, Florida, see *Gallinula galeata*  
     Purple, see *Porphyryla martinica*  
*Gallirallus australis*, 90  
 Gannet, Australian, see *Sula basana serrator*  
 Garganey, see *Anas querquedula*  
*Garrodia nereis*, 384  
*Garrulus glandarius*, 250  
*Gavia arctica*, 201  
*G. immer*, 201, 218, 248, 527  
*Gelochelidon nilotica*, 534  
*Geospiza* spp., 263  
*G. fuliginosa*, 263  
*G. magnirostris*, 263  
*Geothlypis trichas*, 350, 516  
*Geotrygon montana*, 307, 308  
 Gnatcatcher, Blue-gray, see *Poliophtila caerulea*  
 Godwit, Bar-tailed, see *Limosa lapponica*  
     Marbled, see *Limosa fedoa*  
 Goldeneye, Common, see *Bucephala clangula*  
 Goldfinch, American, see *Carduelis tristis*  
     Lesser, see *C. psaltria*  
 Goose, Canada, see *Branta canadensis*  
     Lesser Snow, see *Anser caerulescens*  
     Snow, see *Chen caerulescens*  
     White-fronted, see *A. albifrons*  
 Goshawk, African, see *Accipter tachiro*  
 Grackle, Boat-tailed, see *Quiscalus major*  
     Common, see *Q. quiscula*  
     Great-tailed, see *Q. mexicanus*  
 Grassquit, Black-faced, see *Tiaris bicolor*  
 Grebes, Black-necked, see *Podiceps nigricollis*  
     Eared, see *P. nigricollis*  
     Great Crested, see *P. cristatus*  
     Horned, see *P. auritus*  
     Pied-billed, see *Podilymbus podiceps*  
     Western, see *Aechmophorus occidentalis*  
 Greenfinch, see *Carduelis chloris*  
 Grosbeaks, Black-headed, see *Pheucticus melanocephalus*  
     Blue, see *Guiraca caerulea*  
     Evening, see *Coccothraustes vespertinus*  
     Pine, see *Pinicola enucleator*  
     Rose-breasted, see *Pheucticus ludovicianus*  
 Grouse, Black, see *Tetrao tetrix*  
     Blue, see *Dendragapus obscurus*  
     Red, see *Lagopus lagopus scoticus*  
*Grus americana*, 250, 272  
 Guillemot, Black, see *Cephus grylle*  
     Pigeon, see *C. columba*  
*Guira guira*, 273  
*Guiraca caerulea*, 320, 394  
 Gulls, Audouin's, see *Larus audouinii*  
     Black-backed, see *L. marinus*  
     Black-billed, see *L. bulleri*  
     California, see *L. californicus*

- Common Black-headed, see *L. ridibundus*  
 Dominican, see *L. dominicanus*  
 Glaucous, see *L. hyperboreus*  
 Glaucous-winged, see *L. glaucescens*  
 Heermann's, see *L. heermanni*  
 Herring, see *L. argentatus*  
 Iceland, see *L. glaucoides*  
 Kumlien's, see *L. glaucoides*  
 Laughing, see *L. atricilla*  
 Lava, see *L. fuliginosus*  
 Ring-billed, see *L. delawarensis*  
 Swallow-tailed, see *Creagrus furcatus*  
 Thayer's, see *L. thayeri*  
 Western, see *L. occidentalis*  
*Gymnophrys saluini*, 307-308  
*Gymnorhina tibicen dorsalis*, 257  
*G. t. longirostris*, 257  
*G. t. papuana*, 257  
*Gyps coprotheres*, 73, 77  
*Haematopus ostralegus*, 525  
*H. palliatus*, 261, 534  
*Haliaeetus albicilla*, 90  
*H. leucocephalus*, 81  
*Halobaena caerulea*, 384  
 Harriers, Marsh, see *Circus aeruginosus*  
     Northern, see *C. cyaneus*  
 Hawks, Broad-winged, see *Buteo platypterus*  
     Red-shouldered, see *B. lineatus*  
     Sharp-shinned, see *Accipiter striatus*  
*Hemiphaga novaeseelandiae*, 73  
 Heron, Black-crowned Night, see *Nycticorax nycticorax*  
     Gray, see *Ardea cinerea*  
     Great Blue, see *A. herodias*  
     Green-backed, see *Ardeola striata*  
     Little Blue, see *Egretta caerulea*  
     Tricolored, see *E. tricolor*  
     White, see *Ardea monicae*  
*Himantopus mexicanus knudseni*, 252  
*Himatione sanguinea*, 331  
 Hirundinidae, 307  
*Hirundo pyrrhonota*, 91, 248, 527  
*H. rustica*, 244, 370, 389  
*H. spilodera*, 385  
 Honeyeater, New Holland, see *Phylidonyris novaehollandiae*  
 Hornbill, Ground, see *Bucorvus leadbeateri*  
 Hornero, Pale-legged, see *Furnarius leucopus*  
     Rufous, see *Furnarius rufus*  
 Hummingbird, Antillean Crested, see *Orthorhynchus cristatus*  
     Green-throated Carib, see *Eulampis holosericeus*  
     Streamertail, see *Trochilus polytmus*  
*Hyllocichla mustelina*, 393  
*Hypopezus macularius*, 520  
*Icteria virens*, 393, 396  
 Icterinae, 307  
*Icterus cucullatus*, 223, 328  
*I. galbula*, 222, 329  
*I. parisorum*, 329  
*I. pectoralis*, 329  
*I. spurius*, 328  
 Indigobird, Dusky, see *Vidua purpurascens*  
     Village, see *V. chalybeata*  
*Ixobrychus exilis*, 57  
 Jacana, Lesser, see *Microparra capensis*  
 Jackdaw, see *Corvus monedula*  
 Jaeger, Pomarine, see *Stercorarius pomarinus*  
 Jay, Blue, see *Cyanocitta cristata*  
     Eurasian, see *Garrulus glandarius*  
     Florida Scrub, see *Aphelocoma c. coerulescens*  
     Gray, see *Persoreus canadensis*  
 Junco, Dark-eyed, see *Junco hyemalis*  
     Dark-eyed (Gray-headed), see *J. hyemalis*  
     Dark-eyed (Oregon), see *J. hyemalis*  
     Dark-eyed (Slate-colored), see *J. hyemalis*  
     Dark-eyed (White-winged), see *J. hyemalis*  
     Yellow-eyed (Mexican), see *J. phaeonotus*  
*Junco hyemalis*, 18, 67, 110, 325, 326  
*J. phaeonotus*, 326  
 Kaka, see *Nestor meridionalis*  
 Kestrel, see *Falco tinnunculus*  
 Killdeer, see *Charadrius vociferus*  
 Kingbird, Eastern, see *Tyrannus tyrannus*  
     Western, see *T. verticalis*  
 Kingfisher, see *Alcedo atthis*  
     Belted, see *Ceryle alcyon*  
     Pied, see *C. rudis*  
 Kites, Black-shouldered, see *Elanus caeruleus*  
     Red, see *Milvus milvus*  
     Snail, see *Rostrhamus sociabilis plumbeus*  
 Kittiwake, Black-legged, see *Rissa tridactyla*  
 Knot, Red, see *Calidris canutus*  
*Lagonosticta* spp., 153  
*L. rhodoporeia*, 156, 164, 166, 167  
*L. senegala*, 156, 162, 166, 167, 170  
*Lagopus lagopus scoticus*, 252  
*Laniarius ferrugineus*, 166  
*Lanius excubitorius*, 83  
*L. ludovicianus*, 62, 64, 66, 85, 273  
*L. ludovicianus excubitorides*, 64  
*L. ludovicianus gambeli*, 64  
*L. ludovicianus migrans*, 64  
*L. ludovicianus nevadensis*, 64  
*Lark, Flappert*, see *Mirafra rufocinnamomea*  
     Horned, see *Eremophila alpestris*  
*Larus argentatus*, 81, 85, 385, 420, 424, 513, 521, 524

- L. atricilla*, 461  
*L. audouinii*, 91  
*L. bulleri*, 39  
*L. californicus*, 456, 457  
*L. delawarensis*, 212, 420, 516  
*L. dominicanus*, 420  
*L. fuliginosus*, 263  
*L. glaucescens*, 273, 456, 457  
*L. glaucooides*, 91, 398, 468  
*L. heermanni*, 456, 457  
*L. hyperboreus*, 468  
*L. marinus*, 385, 513  
*L. occidentalis*, 470  
*L. ridibundus*, 256, 406, 517  
*L. thayeri*, 256  
*Leptoptilos crumeniferus*, 343  
*Leucosticte arctoa*, 329  
*L. arctoa atrata*, 329  
*Limicola falcinellus*, 523  
*Limnodromus scolopaceus*, 91  
*Limosa fedoa*, 78  
*L. lapponica*, 78  
 Longspur, Chestnut-collared, see *Calcarius ornatus*  
     Lapland, see *C. lapponicus*  
     McCown's, see *Calcarius mccownii*  
 Loon, Arctic, see *Gavia arctica*  
     Common, see *G. immer*  
*Lophodytes cucullatus*, 245  
*Loxia curvirostra*, 350  
*Loxigilla noctis*, 345-347  
*Luscinia luscinia*, 170  
*Lybius torquatus*, 407  
 Lyrebird, Superb, see *Menura superba*  
*Machaeopterus pyrocephalus*, 307-308  
 Magpie, Azure-winged, see *Cyanopica cyana*  
     Black-billed, see *Pica pica*  
     New Guinean, see *Gymnorhina tibicen papuana*  
 Mallard, see *Anas platyrhynchos*  
 Manakin, Band-tailed, see *Pipra fasciicauda*  
     Fiery-capped, see *Machaeopterus pyrocephalus*  
 Martin, House, see *Delichon urbica*  
     Purple, see *Progne subis*  
 Meadowlark, Eastern, see *Sturnella magna*  
     Western, see *S. neglecta*  
*Megadyptes antipodes*, 437  
*Melanerpes carolinus*, 288  
*M. erythrocephalus*, 234, 288  
*M. formicivorus*, 387, 390  
*Melospittacus undulatus*, 343  
*Melospiza georgiana*, 325, 407  
*M. lincolni*, 325  
*M. melodia*, 4-5, 324, 407  
*Menura superba*, 91  
 Mergansers, Hooded, see *Lophodytes cucullatus*  
     Red-breasted, see *Mergus serrator*  
*Mergus serrator*, 203, 385  
 Merlin, see *Falco columbarius*  
     Richardson's, see *Falco columbarius richardsonii*  
*Microparra capensis*, 521  
*Milvus milvus*, 281  
 Mimidae, 307  
*Mimus polyglottos*, 67, 115, 297, 305, 443  
*M. trifasciatus*, 263  
*Mirafra rufocinnamomea*, 166, 170  
*Mniotilta varia*, 516  
 Mockingbird, Galapagos, see *Nesomimus parvulus*  
     Northern, see *Mimus polyglottos*  
*Molothrus aeneus*, 328  
*M. ater*, 52, 222, 246, 255, 328, 350  
 Momotidae, 307  
 Moorhen, Common, see *Gallinula chloropus*  
     Gough, see *Gallinula comeri*  
     Murre, Common, see *Uria aalge*  
     Thick-billed, see *U. lomvia*  
 Murrelet, Ancient, see *Synthliboramphus antiquus*  
     Marbled, see *Brachyramphus marmoratus*  
 Muscicapidae, 307  
*Myiarchus cinerascens*, 246, 247  
*Nectarinia coccinigastra*, 170  
*Nesomimus parvulus parvulus*, 101  
*Nestor meridionalis*, 76  
 Nighthawk, Common, see *Chordeiles minor*  
     Lesser, see *Chordeiles acutipennis*  
 Nightingale, Thrush, see *Luscinia luscinia*  
 Noddy, Brown, see *Anous stolidus*  
*Numenius madagascariensis*, 401  
*N. americanus*, 39  
 Nuthatches, Asiatic, see *Sitta neumayer*  
     see also, *S. tephronota*  
*Nyctea scandiaca*, 227, 262, 390  
*Nycticorax nycticorax*, 488  
*Oceanites oceanicus*, 384  
*Oceanodroma* spp., 81  
*O. leucorhoa*, 83  
*Odocoileus hemionus*, 525  
 Oriole, Hooded, see *Icterus cucullatus*  
     Northern, see *I. galbula*  
     Orchard, see *I. spurius*  
     Scott's, see *I. parisorum*  
     Spot-breasted, see *I. pectoralis*  
*Orthorhynchus cristatus*, 346  
*Ortygospiza atricollis*, 526  
*O. gabonensis*, 525  
*O. locustella*, 526  
 Osprey, see *Pandion haliaetus*  
 Ostrich, see *Struthio camelus*



- Otus asio*, 254  
*O. bakkamoena*, 408  
*O. brucei*, 408  
*O. flammeolus*, 518  
*O. lempiji*, 408  
*O. scops*, 408  
*O. spilocephalus*, 408  
*O. sunia*, 408  
 Ovenbird, see *Seiurus aurocapillus*  
 Owl, Barn, see *Tyto alba*  
     Boreal, see *Aegolius funereus*  
     Collared Scops, see *Otus lempiji*  
     Eastern Screech, see *O. asio*  
     Flammulated, see *O. flammeolus*  
     Great Gray, see *Strix nebulosa*  
     Great Horned, see *Bubo virginianus*  
     Hawk, see *Surnia ulula*  
     Indian Scops, see *O. bakkamoena*  
     Little, see *Athene noctua*  
     Long-eared, see *Asio otus*  
     Short-eared, see *Asio flammeus*  
     Snowy, see *Nyctea scandiaca*  
     Tawny, see *Strix aluco*  
     Tengmalm's, see *Aegolius funereus*  
     Ural, see *Strix uralensis*  
*Oxyura jamaicensis*, 90, 232  
*O. leucocephala*, 529  
 Oystercatcher, see *Haematopus ostralegus*  
     American, see *H. palliatus*  
*Pachyptila belcheri*, 384  
*P. desolata*, 384  
*P. salvini*, 384  
*P. turtur*, 384  
*Pandion haliaetus*, 26–30, 90  
*Panurus biarmicus*, 309  
 Parakeet, Carolina, see *Conuropsis carolinensis*  
 Partridge, Hungarian, see *Perdix perdix*  
*Parula americana*, 516  
 Parula, Northern, see *Parula americana*  
*Parus atricapillus*, 426, 525, 535  
*P. bicolor*, 93, 195  
*P. caeruleus*, 54, 245, 262  
*P. carolinensis*, 426  
*P. major*, 60, 84, 143, 169, 262  
*P. montanus*, 525  
*P. palustris*, 388, 389  
*Passerculus sandwichensis*, 324  
*Passer domesticus*, 5, 67, 87, 88, 114, 151, 247, 331, 521  
*P. montanus*, 90, 332  
*Passerella iliaca*, 324  
*Passerina amoena*, 321  
*P. ciris*, 321  
*P. cyanea*, 321, 516  
*Pelecanoides georgicus*, 384  
*P. urinator*, 384  
*Pelecanus occidentalis*, 82  
 Pelican, Brown, see *Pelecanus occidentalis*  
 Penguins, Adelle, see *Pygoscelis adeliae*  
     African, see *Spheniscus demersus*  
     Antarctic, see *Pygoscelis* spp.  
     Chinstrap, see *Pygoscelis antarctica*  
     Emperor, see *Aptenodytes forsteri*  
     Gentoo, see *Pygoscelis papua*  
     Jackass, see *S. demersus*  
     King, see *A. patagonicus*  
     Little, see *Eudyptula minor*  
     Macaroni, see *E. chrysolophus*  
     Magellanic, see *S. magellanicus*  
     Rockhopper, see *E. chrysolophus*  
     Yellow-eyed, see *Megadyptes antipodes*  
*Perdix perdix*, 341  
 Peregrine, see *Falco peregrinus*  
*Persoreus canadensis*, 148  
 Petrel, see *Pterodroma*  
     Greatwinged, see *P. macroptera*  
     Kerguelen, see *P. brevirostris*  
     Leach's Storm, see *Oceanodroma leucorhoa*  
     Softplumaged, see *P. mollis*  
*Phaethon rubricauda*, 527  
 Phainopepla, see *Phainopepla nitens*  
*Phainopepla nitens*, 403  
*Phalacrocorax aristotelis*, 398  
*P. carbo*, 398  
*P. magellanicus*, 523  
*P. neglectus*, 384  
*P. pelagicus*, 456, 457, 462  
 Phalaropes, Grey, see *Phalaropus fulicarius*  
     Red, see *P. fulicaria*  
     Red-necked, see *P. lobatus*  
     Wilson's, see *P. tricolor*  
*Phalaropus fulicaria*, 126  
*P. fulicarius*, 134  
*P. lobatus*, 130  
*P. tricolor*, 91  
 Pheasant, Brown Eared, see *Crossoptilon mantchuricum*  
*Pheucticus ludovicianus*, 320  
*P. melanocephalus*, 311, 320  
 Phoebe, Eastern, see *Sayornis phoebe*  
*Phoenicurus ochruros*, 517  
*P. phoenicurus*, 517  
*Phylidonyris novaehollandiae*, 391  
*Phylloscopus trochilus*, 85  
*Pica pica*, 246, 247, 250, 525  
 Picidae, 307  
*Picoides borealis*, 86  
*P. pubescens*, 93  
*P. tridactylus*, 256  
 Pigeon, Band-tailed, see *Columba fasciata*  
     Cape, see *Daption capense*  
     Feral, see *Columba livia*

- New Zealand, see *Hemiphaga novaeseelandiae*
- Snares Cape, see *Daption capense australe*
- Pinicola enucleator*, 329
- Pintail, Northern, see *Anas acuta*
- Pipilo aberti*, 322
- P. chlorurus*, 321
- P. erythrophthalmus*, 67, 321, 322
- P. fuscus*, 322, 394
- Pipit, Meadow, see *Anthus pratensis*
- Tree, see *Anthus trivialis*
- Pipra fasciicauda*, 307, 308
- Pipridae, 307
- Piranga ludoviciana*, 320
- P. olivacea*, 320, 396
- P. rubra*, 320
- Plectrophenax hyperboreus*, 326
- P. nivalis*, 326, 386
- Plover, Mongolian, see *Charadrius mongolus*
- Piping, see *C. melodus*
- Ringed, see *C. hiaticula*
- White-headed, see *Vanellus albiceps*
- Podiceps auritus*, 232
- P. cristatus*, 245
- P. nigricollis*, 231, 233, 407
- Podilymbus podiceps*, 232
- Poephila guttata*, 243, 516
- Polioptila caerulea*, 67
- Poecetes gramineus*, 323, 350
- Porphyrio porphyrio*, 400
- Porphyryla martinica*, 55, 60
- Porzana carolina*, 32
- Procellaria aequinoctialis*, 384
- P. cinerea*, 384
- Progne subis*, 87, 88
- Protonotaria citrea*, 52, 425
- Prunella modularis*, 82
- Pterodroma* spp., 81
- P. brevirostris*, 262, 384
- P. hypoleuca*, 81
- P. lessoni*, 384
- P. longirostris*, 81
- P. macroptera*, 262, 384
- P. mollis*, 262, 384
- P. nigripennis*, 81
- Ptilinopus rarotongensis*, 530
- Ptychoramphus aleuticus*, 388
- Puffins, Atlantic, see *Fratercula arctica*
- Common, see *F. arctica*
- Puffinus* spp., 81
- P. pacificus*, 527
- P. tenuirostris*, 89, 384, 534
- Pukeko, see *Porphyrio porphyrio*
- Pygoscelis* spp., 125
- P. adeliae*, 119, 437, 440, 455
- P. antarctica*, 119, 125, 455
- P. papua*, 119, 124
- Pyrrhula pyrrhula*, 295, 296
- Pyrrhuloxia*, see *Cardinalis sinuatus*
- Pytilia melba*, 166
- Quail, Blue-breasted, see *Coturnix chinensis*
- Common, see *C. coturnix*
- Quailfinch, African, see *Ortygospiza atricollis*
- Locust, see *O. locustella*
- Red-billed, see *O. gabonensis*
- Quelea, Red-headed, see *Quelea erythrops*
- Quelea erythrops*, 531
- Quiscalus major*, 57, 187, 328
- Q. mexicanus*, 328
- Q. quiscula*, 87, 267, 328
- Rail, King, see *Rallus elegans*
- Light-footed Clapper, see *R. longirostris levipes*
- Northern Clapper, see *Rallus longirostris crepitans*
- Virginia, see *R. limicola*
- Yuma Clapper, see *R. longirostris yumanensis*
- Rallus elegans*, 32
- R. limicola*, 32
- R. longirostris crepitans*, 39
- R. longirostris levipes*, 32, 41
- R. longirostris yumanensis*, 32, 37
- Ramphastidae, 307
- Raven, Chihuahuan, see *Corvus cryptoleucus*
- Redpoll, Common, see *Carduelis flammea*
- Lesser, see *Carduelis flammea cabaret*
- Redstart, American, see *Setophaga ruticilla*
- Black, see *Phoenicurus ochruros*
- Redwing, see *Turdus iliacus*
- Rhynchops niger*, 480, 489
- Riparia riparia*, 67
- Rissa tridactyla*, 420, 424, 459, 516
- Robin, American, see *Turdus migratorius*
- European, see *Erethacus rubecula*
- Rook, see *Corvus frugilegus*
- Rostrhamus sociabilis plumbeus*, 171
- R. s. sociabilis*, 178
- Sanderling, see *Calidris alba*
- Sandpiper, Broad-billed, see *Limicola falcinellus*
- Buff-breasted, see *Tryngites subruficollis*
- Curlew, see *Calidris ferruginea*
- Least, see *C. minutilla*
- Marsh, see *Tringa stagnatilis*
- Pectoral, see *C. melanotos*
- Red-backed, see *C. alpina*
- Semipalmated, see *C. pusilla*
- Spotted, see *Actitis macularia*
- Terek, see *Xenus cinereus*
- Western, see *C. mauri*
- Sapsucker, Red-breasted, see *Sphyrapicus ruber*
- Yellow-bellied, see *S. varius*
- Saxicola torquata*, 519

- Sayornis phoebe*, 223  
 Scaup, Greater, see *Aythya marila*  
     Lesser, see *A. affinis*  
*Seiurus aurocapillus*, 516  
*Setophaga ruticilla*, 516  
 Shag, Rock, see *Phalacrocorax magellanicus*  
 Shearwater, Short-tailed, see *Puffinus tenuirostris*  
     Wedge-tailed, see *Puffinus pacificus*  
 Shoveler, Northern, see *Anas clypeata*  
 Shrikes, Grey-backed Fiscal, see *Lanius excubitorius*  
     Loggerhead, see *L. ludovicianus*  
*Sialia currucoides*, 87, 248  
*S. sialis sialis*, 54, 67, 87, 88  
 Silveryeye, see *Zosterops lateralis*  
 Siskin, Pine, see *Carduelis pinus*  
*Sitta neumayer*, 249  
*S. tephronota*, 249  
 Skimmer, Black, see *Rhynchops niger*  
 Skua, South Polar, see *Catharacta macrorhynchos*  
 Skylark, see *Alauda arvensis*  
     Lesser, see *Alauda gulgula*  
 Snipe, see *Coenocorypha*  
*Somateria mollissima*, 203, 245, 520  
 Sora, see *Porzana carolina*  
 Sparrow, American Tree, see *Spizella arborea*  
     Black-throated, see *Amphispiza bilineata*  
     Botteri's, see *Aimophila botterii*  
     Brewer's, see *S. breweri*  
     Cassin's, see *Aimophila cassinii*  
     Chipping, see *S. passerina*  
     Clay-colored, see *S. pallida*  
     Dusky Seaside, see *Ammodramus maritimus nigrescens*  
     Eurasian Tree, see *Passer montanus*  
     Field, see *S. pusilla*  
     Fox, see *Passerella iliaca*  
     Gambel's White-crowned, see *Z. leucophrys gambelii*  
     Golden-crowned, see *Zonotrichia atricapilla*  
     Grasshopper, see *Ammodramus savannarum*  
     Harris', see *Z. querula*  
     House, see *Passer domesticus*  
     Ipswich, see *Ammodramus princeps*  
     Lark, see *Chondestes grammacus*  
     Lincoln's, see *Melospiza lincolnii*  
     Rufous-collared, see *Z. capensis*  
     Rufous, crowned, see *Aimophila ruficeps*  
     Sage, see *Amphispiza belli*  
     Savannah, see *Passerculus sandwichensis*  
     Seaside, see *Ammodramus maritimus*  
     Song, see *M. melodia*  
     Swamp, see *M. georgiana*  
     Vesper, see *Poocetes gramineus*  
     White-crowned, see *Z. leucophrys*  
     White-throated, see *Z. albicollis*  
 Sparrowhawk, see *Accipiter nisus*  
*Spheniscus demersus*, 120, 284, 286, 287, 440, 445, 455, 520  
*S. magellanicus*, 432, 440, 441, 453  
*Sphyrapticus ruber*, 290  
*S. varius*, 516  
*Spiza americana*, 246, 321  
*Spizella arborea*, 322  
*S. breweri*, 323, 350, 392  
*S. pallida*, 323, 350-354  
*S. passerina*, 67, 322, 352  
*S. pusilla*, 323, 352  
*Sporophila torqueola*, 322  
 Starling, European, see *Sturnus vulgaris*  
     Mysterious, see *Aplonis mavornata*  
     Rose-colored, see *S. roseus*  
*Stelgidopteryx serripennis*, 52  
*Stercorarius pomarinus*, 225  
*Sterna caspia*, 211, 396, 420  
*S. dougallii*, 211, 420, 505, 514, 515  
*S. elegans*, 396  
*S. forsteri*, 211  
*S. fuscata*, 413, 414, 420, 424, 527  
*S. hirundo*, 40, 206, 216, 385, 395, 420, 507  
*S. paradisaea*, 414, 420, 507  
*S. sandvicensis*, 462  
 Stilt, Black-necked, see *Himantopus mexicanus knudseni*  
 Stint, Temminck's, see *Calidris temminckii*  
 Stonechat, see *Saxicola torquata*  
 Stork, Marabou, see *Leptoptilos crumeniferus*  
*Streptopelia decaocto*, 530  
*S. turtur*, 528  
*Strix aluco*, 93, 249, 424  
*S. nebulosa*, 250  
*S. uralensis*, 250, 387  
*Struthio camelus*, 536  
*Sturnella magna*, 327  
*S. neglecta*, 327, 350  
*Sturnus roseus*, 91  
*S. vulgaris*, 87, 88, 143, 265, 288, 289, 405, 443, 523, 530  
*Sula basana serratator*, 90  
*S. bassanus*, 70  
*S. dactylatra*, 527  
 Sunbird, Splendid, see *Nectarinia coccinigastrea*  
*Surnia ulula*, 383, 531  
 Swallow, Bank, see *Riparia riparia*  
     Barn, see *Hirundo rustica*  
     Cliff, see *H. pyrrhonota*  
     Northern, Rough-winged, see *Stelgidopteryx serripennis*

- South African Cliff, see *H. spilodera*  
 Tree, see *Tachycineta bicolor*  
 Swan, Trumpeter, see *Cygnus buccinator*  
*Sylvia communis*, 83  
*Synthliboramphus antiquus*, 388, 466  
*Tachycineta bicolor*, 236, 401  
*Tachyeres palachonicus*, 204  
 Tanager, Scarlet, see *Piranga olivacea*  
     Summer, see *P. rubra*  
     Western, see *P. ludoviciana*  
 Teal, Blue-winged, see *Anas discors*  
     Green-winged, see *Anas crecca*  
*Telespyza cantans*, 331  
*T. ultima*, 331  
 Tern, Arctic, see *Sterna paradisaea*  
     Black, see *Chlidonias nigra*  
     Caspian, see *S. caspia*  
     Common, see *S. hirundo*  
     Elegant, see *S. elegans*  
     Forster's, see *S. forsteri*  
     Gull-billed, see *Gelochelidon nilotica*  
     Roseate, see *S. dougallii*  
     Sandwich, see *S. sanduicensis*  
     Sooty, see *S. fuscata*  
*Tetrao tetrix*, 84  
*T. urogallus*, 84, 526  
*Thamnophilus nigrocinereus*, 520  
 Thraupinae, 307  
 Thrush, Mistle, see *Turdus viscivorus*  
     Swainson's, see *Catharus ustulatus*  
     Hermit, see *C. guttatus*  
     Wood, see *Hylocichla mustelina*  
*Thryothorus ludovicianus*, 393  
*T. nigricapillus*, 535  
*T. rufalbus*, 535  
*Tiaris bicolor*, 345-347  
 Tit, Bearded, see *Panurus biarmicus*  
     Blue, see *Parus caeruleus*  
     Great, see *Parus major*  
     Marsh, see *Parus palustris*  
     Willow, see *Parus montanus*  
 Titmouse, Tufted, see *Parus bicolor*  
 Towhee, Abert's, see *Pipilo aberti*  
     Brown, see *P. fuscus*  
     Green-tailed, see *P. chlorurus*  
     Rufous-sided, see *P. erythrophthalmus*  
     White-collared, see *Sporophila torqueola*  
*Trachyphonus vaillanti*, 407  
 Treecreepers, see *Certhia familiaris*  
*Tringa flavipes*, 91  
*T. stagnatilis*, 536  
 Trochilidae, 307  
*Trochilus polytmus*, 346  
*Troglodytes aedon*, 190, 380, 401, 426  
 Troglodytidae, 307  
 Tropicbird, Red-tailed, see *Phaethon rubricauda*  
*Tryngites subruficollis*, 91  
*Turdus iliacus*, 85  
*T. merula*, 150, 151, 252, 389, 528, 530  
*T. migratorius*, 442  
*T. pilaris*, 530  
*T. viscivorus*, 443, 444  
 Turnstone, Ruddy, see *Arenaria interpres*  
 Twite, see *Carduelis flavirostris*  
 Tyrannidae, 307  
*Tyrannus tyrannus*, 350  
*T. verticalis*, 247  
*Tyto alba*, 343, 401, 536  
*Uraeginthus angolensis*, 166  
*Uria aalge*, 91, 394, 456, 457  
*U. lomvia*, 91, 466  
*Vanellus albiceps*, 536  
*Vermivora bachmanii*, 537  
*V. celata*, 537  
*V. chrysoptera*, 537  
*V. pinus*, 537  
*Vidua chalybeata*, 152-170  
*V. purpurascens*, 152-170  
 Vireo, Bell's, see *Vireo bellii*  
     Black-whiskered, see *V. altiloquus*  
     Philadelphia, see *V. philadelphicus*  
     Red-eyed, see *V. olivaceus*  
     White-eyed, see *V. griseus*  
     Yellow-throated, see *V. flavifrons*  
*Vireo altiloquus*, 516  
*V. bellii*, 67  
*V. flavifrons*, 39  
*V. griseus*, 393, 516  
*V. olivaceus*, 396, 523  
*V. philadelphicus*, 523  
 Vireonidae, 307  
 Vulture, Black, see *Coragyps atratus*  
     Cape Griffon, see *Gyps coprotheres*  
 Warblers, Bachman's, see *Vermivora bachmanii*  
     Black-and-white, see *Mniotilta varia*  
     Blackpoll, see *Dendroica striata*  
     Black-throated Green, see *D. virens*  
     Blue-winged, see *V. pinus*  
     Cape May, see *D. tigrina*  
     Cerulean, see *D. striata*  
     Golden-winged, see *V. chrysoptera*  
     Orange-crowned, see *V. celata*  
     Palm, see *D. palmarum*  
     Prairie, see *D. discolor*  
     Prothonotary, see *Protonotaria citrea*  
     Reed, see *Acrocephalus scirpaceus*  
     Willow, see *Phylloscopus trochilus*  
     Yellow, see *D. petechia*  
     Yellow-rumped, see *D. coronata*  
 Waxbill, Blue, see *Uraeginthus angolensis*

- Waxwing, Bohemian, see *Bombycilla garrulus*  
     Cedar, see *B. cedrorum*  
 Weka, see *Gallirallus australis*  
 Whitethroat, see *Sylvia communis*  
 Widowbird, see *Euplectes progne*  
 Wigeon, American, see *Anas americana*  
     Eurasian, see *A. penelope*  
 Willet, see *Catoptrophorus semipalmatus*  
 Woodpecker, Acorn, see *Melanerpes formicivorus*  
     Downy, see *Picoides pubescens*  
     Red-bellied, see *M. carolinus*  
     Red-cockaded, see *P. borealis*  
     Red-headed, see *M. erythrocephalus*  
     Three-toed, see *P. tridactylus*  
     White-backed, see *Dendrocopus leucotos*  
 Wren, Bay, see *Thryothorus nigricapillus*  
     Carolina, see *T. ludovicianus*  
     House, see *Troglodytes aedon*  
     Marsh, see *Cistothorus palustris*  
     Rufous-and-white, see *Thryothorus rufalbus*  
     Sedge, see *C. platensis*  
     *Xanthocephalus xanthocephalus*, 327  
     *Xenus cinereus*, 91  
 Yellowlegs, Lesser, see *Tringa flavipes*  
 Yellowthroat, Common, see *Geothlypis trichas*  
     *Zenaida macroura*, 67, 89, 215, 262  
     *Zonotrichia albicollis*, 18, 325  
     *Z. atricapilla*, 325  
     *Z. capensis*, 169, 170  
     *Z. leucophrys*, 67, 325  
     *Z. l. gambelii*, 6-20  
     *Z. l. nuttalli*, 67, 169  
     *Z. l. oriantha*, 7, 20, 295  
     *Z. querula*, 325  
     *Zosterops lateralis*, 253