INDEX FOR VOLUME 100

A

Absence of Breeding Readiness in Neotropical and Long-distance Migrant Landbirds During Spring Stopover, by Gregory A. Jones and Christopher J. Norment, 373
Abundance and Distribution of Marbled and Kittlitz's Murrelets in Southcentral and Southeast Alaska, by Beverly A. Agler, Steven J. Kendall and David B. Irons, 254
Abundance of Diurnal Raptors on Open Space Grasslands in an Urbanized Landscape, by Mark E. Berry, Carl E. Bock and Sandra L. Haire, 601
Acadian Flycatcher Nest Placement: Does Placement Influence Reproductive Success?, by R. Randy Bahat, Ofer, Itzhak Choshniak and David C. Houston, 673

Aix sponsa, 688
Alaska, 119, 254, 286, 402
Alexio, A., see Pizo, M. A., 726
Alien species, 468
Allometry, 27
Allozymes, 556
Ambient temperature, 168
American Avocet, 266, 589
American Bird Conservancy's Guide to All the Birds of North America: A Revolutionary System Based on Feeding Behaviors and Field Features, by Jack L. Griggs, reviewed by Michael Mlodinow, 772
American Dipper, 385
American Redstart, 389
Anders, A. D., see Dearborn, D. C., 326
Anderson, S. H., see Gutzwiller, K. J., 519
Andes, 629
Antarctic Shag, 112
Antarctica, 112
Aphelocoma coerulescens, 753
Arctander, P., see García Moreno, J., 629
Arrival mass, 8
Arrival Time From Spring Migration in Male Pied Flycatchers: Individual Consistency and Familial Resemblance, by Jaime Potti, 702
Artificial nest, 357, 395
Ashy Storm-petrel, 438
Atlantic forest, 726
Attu Island, 162
Avian disease, 468
Avian research, 764
Avifauna structure, 413
Aythya americana, 62
Azure-winged Magpies Avoid Nest Predation By Nesting Near a Japanese Lesser Sparrowhawk's Nest, by Mutsuyuki Ueta, 400

Bahama Islands, 201
Bahat, Ofir, Itzhak Choshniak and David C. Houston, Nocturnal Variation in Body Temperature of Griffon Vultures, 168
Bald Eagle, 745
Baltz, Michael E., and Dirk E. Burhans, Rejection of Artificial Parasite Eggs by Gray Kingbirds in the Bahamas, 566
Barber, Patricia M., Thomas E. Martin and Kimberly G. Smith, Pair Interactions in Red-faced Warblers, 512
Barbraud, Christophe, and Olivier Chastel, Southern Fulmars Molt Their Primary Feathers While Incubating, 563
Barrera Oro, E., see Favero, M., 112
Baskett, T. S., see Griffin, C. R., 654
Beauchamp, Guy, The Relationship Between Intraspecific Brood amalgamation in Waterfowl, 153
Begging behavior, 326
Behavior of Migrant Shorebirds in Playas of the Southern High Plains, Texas, by Craig A. Davis and Loren M. Smith, 266
Behavioral exploitation, 400
Bell Miner, 343
Benkman, Craig W., A review of Made for Each Other: A Symbiosis of Birds and Pines, by Ronald M. Lanner, 190
Berman, Susan, Jill Addesa, Robert Hannigan, Vincent Restivo and Joseph Rodrigues, Intraspecific Variation in the Hindlimb Musculature of the Northern Flicker, 574
Berry, Mark E., Carl E. Bock and Sandra L. Haire, Abundance of Diurnal Raptors on Open Space Grasslands in an Urbanized Landscape, 601
Bioacoustics, 504
Biodiversity, 413, 764
Biogeography, 629
Bird Abundance and Diversity Along an Urban-Rural Gradient: A Comparative Study Between Two Cities on Different Continents, by Philippe Clergeau, Jean-Pierre L. Savard, Gwenaille Mennechez and Gilles Falardeau, 413
Bird disturbance, 519
Bird Tolerance to Human Intrusion in Wyoming Mon-
tane Forests, by Kevin J. Gutzwiller, Heidi A. Marcum, Henry B. Harvey, James D. Roth and Stanley H. Anderson, 519

Bird-ungulate interactions, 177

_Birds in the Bushes: A Story About Margaret Morse Nice_, by Julie Dunlap, reviewed by Janis L. Dickinson, 583

Birdsong, 504

Bishop, M. A., see Warnock, N., 456

Black Brant, 164, 426

Black-billed Magpie, 177

Black-legged Kittiwakes, 709

Boag, P. T., see Conrad, K. E, 343

Boats, 528

Bock, C. E., see Berry, M. E., 601

Body composition, 579

condition, 385, 456

core temperature, 168

mass, 62


Boersma, P. D., see Stokes, D. L., 376

Boyd, W. S., see Robertson, G. J., 551

_Encyclopedia of Life_, 254, 286

Brambling, 162

_Branta bernicla_, 164

Breast muscle, 316

Breeding, 541, 563, 654

experience, 8

frequency, 448

record, 162

schedule, 218

Breeding Biology and Territoriality of the Hawaii Creeper, by Eric A. VanderWerf, 541

Breeding Ecology and Behavior of The Hawaiian Hawk, by Curtice R. Griffin, Peter W. C. Paton and Thomas S. Basket, 654

Brittingham, M. C., see Wilson, G. R., 357

Brood parasitism, 1, 93, 102, 326, 566, 663, 680


Brooks, Thomas, A review of _Endemic Bird Areas of the World: Priorities for Biodiversity Conservation_, by Alison J. Stattersfield, Michael J. Crosby, Adrian J. Long, and David C. Wege, 747

Brown, Bryan T., Lawrence E. Stevens and Teresa A. Yates, Influences of Fluctuating River Flows on Bald Eagle Foraging Behavior, 745

Brown Skua, 335

Brown-headed Cowbird, 1, 93, 102, 535

Bräger, Stefan, Feeding Associations Between White-fronted Terns and Hector's Dolphins in New Zealand, 560

_Bucephala clangula_, 694

Burger, Joanna, Effects of Motorboats and Personal Watercraft on Flight Behavior Over a Colony of Common Terns, 528

Burhans, D. E., see Baltz, M. E., 566

Burhans, Dirk E., and Frank R. Thompson III, Effects of Time and Nest-Site Characteristics on Concealment of Songbird Nests, 663

_Buteo poecilochrous_, 27

polyosoma, 27

solitarius, 654

_Buteo polyosoma_ and _B. poecilochrous_, the “Red-backed Buzzards” of South America, Are Con-specific, by C. Craig Farquhar, 27

C

Calcium, 568

_Calidris mauri_, 456

California, 227

Calls, 145

Canada, 413

Captive, 719

Carbon-13, 119

_Cardellina rubrifrons_, 512, 741

_Cardinalis cardinalis_, 504, 663

Caribbean pine, 201

_Carpodacus mexicanus_, 493

Cassarux, R., see Favero, M., 112

Cassin's Auklets, 546

_Catharacta lonnbergi_, 335

skua, 448


Cavity-nesting, 694

Ceballos, O., see Dobado-Berrios, P. M., 719

Censusing, 589

Central Valley, 227

_Cephalorhynchus hectori_, 560

_Certhia brachyactyla_, 174

familiaris, 174

Changes in the Distribution and Abundance of Waved Albatrosses at Isla Española, Galápagos Islands, Ecuador, by Hector D. Douglas III, 737

_Charadrius montanus_, 382

Chastel, O., see Barbraud, C., 563

Chatham Islands, 335

_Chen caerulescens atlantica_, 316

canagica, 402

Chick-provisioning, 131

Choshaiai, I., see Bahat, O., 168

Cicero, C., see Johnson, N. K., 18

_Cinclus mexicanus_, 385

Clarke, M. E., see Conrad, K. F., 343

Clergeau, Philippe, Jean-Pierre L. Savard, Gwennalle Mennchez and Gilles Farudeau, Bird Abundance and Diversity Along an Urban-Rural Gradient: A Comparative Study Between Two Cities on Different Continents, 413

Clutch size, 654

Cobley, N. D., and P. A. Prince, Factors Affecting Primary Molt in the Gray-headed Albatross, 8

Coevolution, 389

_Colopeta auratus_, 574

Collopy, Michael W., A review of _The Golden Eagle_, by Jeff Watson, 774

Colonial in the Cliff Swallow, by Charles R. Brown and Mary Bomberger Brown, reviewed by Michael P. Lombardo, 188
INDEX FOR VOLUME 100

INDEX FOR VOLUME 100 791

Colorado River, 745
Colorimetry, 18
Columba livia, 298, 579
Common Goldeneye, 694
Murre, 172
Terns, 528
Communal breeding, 343
Communication, 145
Comparative ecology, 153
Competition for Food in Urban Pigeons: The Cost of Being Juvenile, by Daniel Sol, David M. Santos, Josep Garcia and Mariano Cuadrado, 298
Congdon, J. D., see Hinton, T. G., 579
Conrad, Kelvin E, Michael E Clarke, Raleigh J. Robertson and Peter T. Boag, Paternity and the Relatedness of Helpers in the Cooperatively Breeding Bell Miner, 343
Conservation, 589, 601, 764
biology, 18
Cooch, E. G., see Reed, E. T., 426
Cooke, F., see Reed, E. T., 426
Cooke, F., see Robertson, G. J., 551
Cooper, R. J., see Wilson, R. R., 673
Cooperative breeding, 335, 343
Copulation, 141
Coria, N., see Favero, M., 112
Correlates of Creeping Speed Variability in Two Species of Treecreepers, by Tomasz S. Osiejuk, 174
Cowbird parasitism, 357
Coyle, K. O., see Ostrand, W. D., 286
Creekmore, L. H., see Hollmen, T. E., 402
Csermely, Davide, and Giorgia Gaibani, Is Foot Squeezing Pressure by Two Raptor Species Sufficient to Subdue Their Prey?, 757
Cuadrado, M., see Sol, D., 298

D

Daily energy expenditure, 546
Daily temperature variation, 168
Davis, Craig A., and Loren M. Smith, Behavior of Migrant Shorebirds in Playas of the Southern High Plains, Texas, 266
Davis, L. S., see Stokes, D. L., 376
Dearborn, Donald C., Angela D. Anders, Frank R. Thompson III and John Faaborg, Effects of Cowbird Parasitism on Parental Provisioning and Nestling Food Acquisition and Growth, 326
Demography of an Introduced Red-billed Leiothrix Population in Hawaii, by C. John Ralph, Steven G. Fancy and Tim D. Male, 468
Dendroica kirtlandii, 201
petechia, 102
virens, 474
Density and Roost Site Characteristics of Spotted Owls in the Sierra Madre Occidental, Chihuahua, Mexico, by Kendal E. Young, Raul Valdez, Phillip J. Zwank and William R. Gould, 732
Dickinson, Janis L., A review of Birds in the Bushes: A Story About Margaret Morse Nice, by Julie Dunlap, 583
Diet, 112, 119, 131, 654
Differences in Diet and Chick Provisioning Between Adult Roseate and Sandwich Terns in Puerto Rico, by David A. Shealer, 131
Digestive tract, 316
Diomedea chrysostoma, 8
Discriminant analysis, 350
Dispersal From Natal Territories and the Origin of Cooperatively Polyandrous Breeding Groups in the Brown Skua, by E. C. Young, 335
Distribution, 254
Distribution, Relative Abundance, and Habitat Relationships of Landbirds in the Vava’u Group, Kingdom of Tonga, by David W. Steadman and Holly B. Freifeld, 609
DNA fingerprinting, 343
Dobado-Berrios, Pablo M., José L. Tella, Olga Ceballos and José A. Donázar, Effects of Age and Captivity on Plasma Chemistry Values of the Egyptian Vulture, 719
Dobbs, Robert C., and Thomas E. Martin, Variation in Foraging Behavior Among Nesting Stages of Female Red-faced Warblers, 741
Dodenhoff, D. J., see Stark, R. D., 350
Donnelly, Roarke E., and Kimberly A. Sullivan, Foraging Proficiency and Body Condition of Juvenile American Dippers, 385
Donázar, J. A., see Dobado-Berrios, P. M., 719
Doubly-labeled water, 546
Douglas, Hector D., Changes in the Distribution and Abundance of Waved Albatrosses at Isla Española, Galápagos Islands, Ecuador, 737
Drew, G. S., see Ostrand, W. D., 286, 709
Drumming, 350
Dusky-footed woodrat, 79
Dutta, Chaithali, L. Scott Johnson, David Larkin and Luz P. Mangurian, Skeletal Development at the Time of Fledging in House Wrens, 568

E

Eagles, 601
Early sperm release, 373
Effect of Hatching Date on Body and Organ Development in Greater Snow Goose Goslings, by Louis Lesage and Gilles Gauthier, 316
Effect of Implanted Satellite Transmitters on the Nesting Behavior of Murres, by Paul M. Meyers, Scott A. Hatch and Daniel M. Mulcahy, 172
Effects of Age and Captivity on Plasma Chemistry Values of the Egyptian Vulture, by Pablo M. Dobado-Berrios, José L. Tella, Olga Ceballos and José A. Donázar, 719
Effects of Cowbird Parasitism on Parental Provisioning and Nestling Food Acquisition and Growth, by Donald C. Dearborn, Angela D. Anders, Frank R. Thompson III and John Faaborg, 326
Effects of Mate Removal on Incubation Behavior and Reproductive Success of Female Wood Ducks, by Chad A. Manlove and Gary R. Hepp, 688
Effects of Motorboats and Personal Watercraft on Flight Behavior Over a Colony of Common Terns, by Joanna Burger, 528
Effects of Time and Nest-Site Characteristics on Concealment of Songbird Nests, by Dirk E. Burhans and Frank R. Thompson III, 663

Egg ejection, 566
- recognition, 535
- rejection, 535
- remains, 395

Egyptian Vulture, 719

Eichholz, Michael W., and James S. Sedinger, Factors Affecting Duration of Incubation in Black Brant, 164

El Niño, 245

Elekonich, Michelle M., Song Sparrow Males Use Female-Typical Vocalizations in Fall, 145

Embryonic communication, 102

Emperor Geese, 402

Empidonax virescens, 673

Endangered species, 609

Endangered subspecies, 18

Endemic Bird Areas of the World: Priorities for Biodiversity Conservation, by Alison J. Stattersfield, Michael J. Crosby, Adrian J. Long, and David C. Wege, reviewed by Thomas Brooks, 770

Energetic requirements, 79

Energy Expenditure and Food Requirement of Cassin’s Auklets Provisioning Nestlings, by Peter J. Hodum, William J. Sydeman, G. Henk Visser and Wesley W. Weathers, 546


An Evaluation of Whole Body Potassium-40 Content for Estimating Lean and Fat Mass in Pigeons, by T. G. Hinton, James A. Gessaman, Roy D. Nagle and Justin D. Congdon, 579

Evaporative water loss, 493

Ewert, D., see Smith, R., 474

Extra-pair copulations, 556

F

Faaborg, J., see Dearborn, D. C., 326

Factors Affecting Duration of Incubation in Black Brant, by Michael W. Eichholz and James S. Sedinger, 164

Factors Affecting Nutritional Condition of Fledgling Florida Scrub-Jays: A Ptilochronology Approach, by Thomas C. Grubb Jr., Glen E. Woolfenden and John W. Fitzpatrick, 753

Factors Affecting Primary Molt in the Gray-headed Albatross, by N. D. Cobley and P. A. Prince, 8

Falardeau, G., see Clergeau, P., 413

Falcons, 601

Fallow deer, 177

Fancy, S. G., see Ralph, C. J., 468

Farquhar, C. Craig, *Buteo polyosoma* and *B. poecilochrous*, the “Red-backed Buzzards” of South America, Are Conspecific, 27

Favero, Marco, Ricardo Casaux, Patricia Silva, Esteban Barrera-Oro and Nestor Coria, The Diet of the Antarctic Shag During Summer at Nelson Island, Antarctica, 112

Feeding Associations Between White-fronted Terns and Hector’s Dolphins in New Zealand, by Stefan Bräger, 560

Female-typical calls, 145

*Ficedula hypoleuca*, 702

Field metabolic rate, 546

First Breeding Records of Whooper Swan and Brambling in North America at Attu Island, Alaska, by Paul W. Sykes Jr. and David W. Sonneborn, 162

First egg date, 164

Fish, 112

Fitzpatrick, J. W., see Grubb, T. C., 753

Fjeldså, J., see García-Moreno, J., 629

Fledging, 568

Fledging dispersal, 69

survivorship, 753

Flocking, 641

Florida Scrub-Jay, 753

Fluctuating river flows, 745

Follower species, 44

Food consumption, 546

deprivation, 168

habits, 382

Foods of Mountain Plovers Wintering in California, by Fritz L. Knopf, 382

Foraging, 286, 298, 385

behavior, 174, 277, 474, 741, 745

ecology, 119

Foraging Proficiency and Body Condition of Juvenile American Dippers, by Roarke E. Donnelly and Kimberly A. Sullivan, 385

Forest birds, 609

Forest Fragmentation Affects the Behavioral Response of American Redstarts to the Threat of Cowbird Parasitism, by Keith A. Hobson and Marc-André Villard, 389

Fowler, A. C., see Holmén, T. E., 402

France, 413

Franson, J. C., see Holmén, T. E., 402

*Fratercula cirrhata*, 286

Free-living, 719

Freifeld, H. B., see Steadman, D. W., 609

*Fulmarus glacialis*, 141

*glacialoides*, 563

Furness, R. W., see Catry, P., 448

G

Gaibani, G., see Csermely, D., 757

Galápagos Islands, 245, 277

Galápagos Penguins, 245, 277

*Gallus gallus*, 749

Garcia, J., see Sol, D., 298

García-Moreno, Jaime, Peter Arcandter and Jon Fjeldsá, Pre-Pleistocene Differentiation among Chat-tyrants, 629

Gauthier, G., see Lesage, L., 316


Geese, 119

Genov, Peter V., Paola Gigantesco and Giovanna Massei, Interactions Between Black-billed Magpie and Fallow Deer, 177

Geographic, Temporal, and Age-Specific Variation in Diets of Glaucous Gulls in Western Alaska, by Joel A. Schmutz and Keith A. Hobson, 119

Gessaman, James A., see Hinton, Thomas G., 579

Gigantesco, P., see Genov, Peter V., 177

Gilardi, James D., and Charles A. Munn, Patterns of Activity, Flocking, and Habitat Use in Parrots of the Peruvian Amazon, 641

Glaucous Gull, 119

Global climate change, 245

Gonadal recrudescence, 373

Goodrich, L. J., see Wilson, G. R., 357

Goudie, R. I., see Reed, E. T., 426

Goudie, R. I., see Robertson, G. J., 551

Gough, G. A., see Nisbet, I. C. T., 305

Gould, W. R., see Young, K. E., 732

Gram, Wendy K., Winter Participation by Neotropical Migrant and Resident Birds in Mixed-species Flocks in Northeastern Mexico, 44

Grasslands, 601

Gray Kingbird, 566

Gray-headed Albatross, 8

Gray-hooded Flycatcher, 726

Great Basin, 589

Great Skuas, 448

Greater Snow Goose, 316

Green Hermits, 149

Greene, E., see Weathers, W. W., 365

Griffin, Curtice R., Peter W. C. Paton and Thomas S. Baskett, Breeding Ecology and Behavior of The Hawaiian Hawk, 654

Giffon Vulnure, 168

Growth, 316, 568

Grubb, Thomas C., Glen E. Woolfenden and John W. Fitzpatrick, Factors Affecting Nutritional Condition of Fledgling Florida Scrub-Jays: A Ptilochronology Approach, 753

Gutiérrez, R. J., see Ward, J. P., 79

Gutierrez, Kevin J., Heidi A. Marcum, Henry B. Harvey, James D. Roth and Stanley H. Anderson, Bird Tolerance to Human Intrusion in Wyoming Montane Forests, 519

Gyps fulvus, 168

H

Haas, C. A., see Vega, J. H., 69


Haas, K. H., see Haas, C. A., 535

Habitat, 732

Habitat restoration, 93

selection, 79, 673

structure, 93

use, 69, 227, 641, 709, 745

Habitat Selection by Northern Spotted Owls: The Consequences of Prey Selection and Distribution, by James P. Ward Jr., R. J. Gutiérrez and Barry R. Noon, 79

Haig, S. M., see Warnock, N., 589

Haire, S. L., see Berry, M. E., 601


Hamer, K. C., see Catry, P., 448

Hamilton, William J., III, Tricolored Blackbird Itinerant Breeding in California, 218


Haney, J. Christopher, David S. Lee and Martha Walsh-McGeehee, A Quantitative Analysis of Winter Distribution and Habitats of Kirtland’s Warblers in the Bahamas, 201

Hannigan, R., see Berman, S., 574

Harbison, H., see MacDougall-Shackleton, E., 149

Harlequin Duck, 551

Harvey, H. B., see Gutzwiller, K. J., 519

Hatch, S. A., see Meyers, P. M., 172

Hatching date, 316

Hatfield, J. S., see Nisbet, I. C. T., 305

Hawaii, 468, 541

Hawaii Creeper, 541

Hawaiian Hawk, 654

Hawks, 601

Heat stress, 365

Hector’s dolphin, 560

Helping behavior, 343

Hematocrit, 749

Hepp, G. R., see Manlove, C. A., 688

Heritability, 702

Hindlimb musculature, 574

Hinds, D. S., see MacMillen, R. E., 493

Hinton, T. G., James A. Gessaman, Roy D. Nagle and Justin D. Congdon, An Evaluation of Whole Body Potassium-40 Content for Estimating Lean and Fat Mass in Pigeons, 579

Histrionicus histrionicus, 551

Hobson, K. A., see Schmutz, J. A., 119

Hobson, Keith A., and Marc-André Villard, Forest Fragmentation Affects the Behavioral Response of American Redstarts to the Threat of Cowbird Parasitism, 389

 Hodum, Peter J., William J. Sydeman, G. Henk Visser and Wesley W. Weathers, Energy Expenditure and Food Requirement of Cassin’s Auklets Provisioning Nestlings, 546


Honeyeaters, 343
INDEX FOR VOLUME 100

Hooded Merganser, 694
Host behavior, 535
Host-parasite interactions, 389
House Finch, 493
Wren, 568
Houston, D. C., see Bahat, O., 168
How Well Do Artificial Nests Estimate Success of Real Nests?, by Gina R. Wilson, Margaret C. Brittingham and Laurie J. Goodrich, 357
Human impact, 745
intrusion, 519
Hunter, F. M., Timing of Pair and Extra-Pair Copulations in the Northern Fulmar, 141
Hybridization, 1
Hylocichla mustelina, 69, 357
Immunocompetence, 749
Implantation, 172
Implanted transmitters, 168
Incubation, 688
constancy, 62
period, 102, 164
Indigo Bunting, 326
Influence of Gambel Oak on Breeding Birds in Ponderosa Pine Forests of Northern Arizona, by Steven S. Rosenstock, 485
Influences of Fluctuating River Flows on Bald Eagle Foraging Behavior, by Bryan T. Brown, Lawrence E. Stevens and Teresa A. Yates, 745
Initiation date, 164
Interactions Between Black-billed Magpie and Fallow Deer, by Peter V. Genov, Paola Gigantesco and Giovanna Massei, 177
Interspecific brood amalgamation, 153
Intraspecific brood amalgamation, 153
Intraspecific Variation in the Hindlimb Musculature of the Northern Flicker, by Susan Berman, Jill Adesia, Robert Hannigan, Vincent Restivo and Joseph Rodrigues, 574
Intrusion tolerance, 519
Irons, D. B., see Agler, B. A., 254
Knopf, Fritz L., Foods of Mountain Plovers Wintering in California, 382
J
Johnsen, Torgeir S., and Marlene Zuk, Parasites, Morphology, and Blood Characters in Male Red Jungle Fowl During Development, 749
Johnson, E. V., see Stark, R. D., 350
Johnson, L. S., see Dutta, C., 568
Johnson, Ned K., J. V. Remsen Jr. and Carla Cicero, Refined Colorimetry Validates Endangered Subspecies of the Least Tern, 18
Johnston, Richard F., A review of The Zebra Finch, by Richard A. Zann, 187
Jones, Gregory A., and Christopher J. Norment, Ab-
sence of Breeding Readiness in Neotropical and Long-distance Migrant Landbirds During Spring Stopover, 373
Joy, S. M., see Gavin, T. A., 556
Juvenile, 385
movements, 69
K
Kendall, S. J., see Agler, B. A., 254
Kennedy, Patricia L., A review of Raptors in Human Landscapes: Adaptations to Built and Cultivated Environments, edited by David M. Bird, Daniel E. Varland, and Juan J. Negro, 584
Kirtland's Warbler, 201
Kittlitz's Murrelet, 254
Kjelmyr, J. E., see Shuford, W. D., 227
Kleptoparasitism, 541
Knopf, Fritz L., Foods of Mountain Plovers Wintering in California, 382
L
La Niña, 245
Lake Huron, 474
Landscape, 601
ecology, 413
fragmentation, 389
Larison, Brenda, Stephen A. Laymon, Pamela L. Willians and Thomas B. Smith, Song Sparrows vs. Cowbird Brood Parasites: Impacts of Forest Structure and Nest-Site Selection, 93
Larkin, D., see Dutta, C., 180
Larus hyperboreus, 119
Late seral forest, 79
Laymon, S. A., see Larison, B., 93
Lean mass, 579
Least Tern, 18, 180
Lee, D. S., see Haney, J. C., 201
Leiothrix lutea, 468
Lek behavior, 149
Lek Behavior of the Gray- hooded Flycatcher, by Marco Aurelio Pizo and Alexandre Aleixo, 726
Lesage, Louis, and Gilles Gauthier, Effect of Hatching Date on Body and Organ Development in Greater Snow Goose Goslings, 316
Leslie, D., see Gavin, T. A., 556
Lichtenstein, Gabriela, Parasitism by Shiny Cowbirds of Rufous- Bellied Thrushes, 680
Lipids, 579
Little Tern, 180
Local survival, 426
Lombardo, Michael P., A review of Coloniality in the Cliff Swallow, by Charles R. Brown and Mary Bomberger Brown, 188
Lophodytes cucullatus, 694
MacDougall-Shackleton, Elizabeth, and Heidi Harbison, Singing Behavior of Lekking Green Hermits, 149
MacMillen, Richard E., and David S. Hinds, Water
Economy of Granivorous Birds: California House Finches, 493

Made for Each Other: A Symbiosis of Birds and Pines, by Ronald M. Lanner, reviewed by Craig W. Benkman, 190

Magellanic Penguin, 376

Mahler, B., see Tubaro, P. L., 54

Male, T. D., see Ralph, C. J., 468

Mallory, Mark L., Donald K. McNicol, Russell A. Walton and Mark Wayland, Risk-taking by Incubating Common Goldeneyes and Hooded Mergansers, 694

Mangurian, L. P., see Dutta, C., 568

Maniscalco, J. M., see Ostrand, W. D., 286

Manlove, Chad A., and Gary R. Hepp, Effects of Mate Removal on Incubation Behavior and Reproductive Success of Female Wood Ducks, 688

Manorina melanophrys, 343

Marbled Murrelet, 254, 286

Marcum, H. A., see Gutzwiller, K. J., 519


Mark-resight, 426

Martin, T. E., see Barber, P. M., 512

Martin, T. E., see Dobbs, R. C., 741

Marzluff, John M., A review of The Raven, A Natural History in Britain and Ireland, by Derek Ratcliffe, 185

Massei, G., see Genov, P. V., 177

Massey, Barbara W., Species and Subspecies Limits in Least Terns, 180

Mate guarding, 512

removal, 688

Mating system, 556

May, B., see Gavin, T. A., 556

McChesney, G. J., see Sydeman, W. J., 438

McDonald, L. L., see Ostrand, W. D., 709

McLaren, E. B., see Sydeman, W. J., 438

McMaster, D. Glen, and Spencer G. Sealy, Short Incubation Periods of Brown-headed Cowbirds: How Do Cowbird Eggs Hatch Before Yellow Warbler Eggs?, 102

McNicol, D. K., see Mallory, M. L., 694

McShea, W. J., see Vega, J. H., 69

Melo, C., see Marini, M. Â., 395

Melospiza melodia, 93, 145

Mennechez, G., see Clergeau, P., 413

Metabolic water production, 493

Mexican Spotted Owl, 732

Mexico, 44, 180


Michigan, 474

Migration, 218, 376, 474, 702

Mills, Kyra L., Multispecies Seabird Feeding Flocks in the Galápagos Islands, 277

Mionectes rufigrinnis, 726

Mixed-species flock, 44

Mlodinow, Michael, A review of American Bird Conservancy’s Guide to All the Birds of North America: A Revolutionary System Based on Feeding Behaviors and Field Features, by Jack L. Griggs, 772


Molothrus ater, 1, 93, 326, 357, 389, 535

bonariensis, 566

Molt, 563

Monitoring Species Richness and Abundance of Shorebirds in the Western Great Basin, by Nils Warnock, Susan M. Haig and Lewis W. Oring, 589

Montane forest, 519

Morphological Differentiation of Brown-headed Cowbirds in the Okanagan Valley, British Columbia, by David Ward and James N. M. Smith, 1

Morphology, 1, 574

Mountain Plover, 382

mtDNA, 629

Mulcahy, D. M., see Meyers, P. M., 172

Multispecies Seabird Feeding Flocks in the Galápagos Islands, by Kyra L. Mills, 277

Munn, C. A., see Gilardi, J. D., 641

N

Nagle, R. D., see Hinton, T. G., 579

Natal dispersal, 335

ND2, 629

Neophron percnopterus, 719

Neotropical migrant, 44, 373

Neotropics, 764

Nest attentiveness, 164

concealment, 663

defense, 389, 694

place, 673

predation, 357, 663

success, 654, 673

Nest site selection, 663

variability, 541

Nesting behavior, 172

stage, 741

Nestling growth, 326

New World Doves, 54

Nisbet, Ian C. T., Jeffrey A. Spendelow, Jeff S. Hatfield, James M. Zingo and Greg A. Gough, Variations in Growth of Roseate Tern Chicks: II. Early Growth as an Index of Parental Quality, 305

Nitrogen-15, 119

Nocturnal Variation in Body Temperature of Griffon Vultures, by Ofer Bahat, Itzhak Choshniak and David C. Houston, 168

Nonbreeding behavior, 641

season, 44

Noon, B. R., see Ward, J. P, 79

Norment, C. J., see Jones, G. A., 373

Northern Cardinal, 504

Northern Flicker, 574

Northern Fulmar, 141

Northern Goshawk, 556

Northern Spotted Owl, 79

Nuclear species, 44
Nudds, Thomas D., A review of *The Snow Geese of La Perouse Bay: Natural Selection in the Wild*, by Fred Cooke, Robert E. Rockwell, and David B. Lank, 585

Nur, N., see Sydeman, W. J., 438

Nutritional condition, 753

O

Ochthoeca, 629

Open oak scrub, 753

Open space, 601

Optimal foraging hypotheses, 174

*Oreomystis mana*, 541

Organ development, 316

Oring, L. W., see Warnock, N., 589

Ornamental condition, 753

P

Pacific Flyway, 456

Page, G. W., see Shuford, W. D., 227

Pair bonds, 688

formation, 551

reunion, 551

Pair Interactions in Red-faced Warblers, by Patricia M. Barber, Thomas E. Martin and Kimberly G. Smith, 512

Parasites, Morphology, and Blood Characters in Male Red Jungle Fowl During Development, by Torger S. Johnsen and Marlene Zuk, 749

Parasitic Jaegers, 448

Parasitism by Shiny Cowbirds of Rufous-Bellied Thrushes, by Gabriela Lichtenstein, 680

Parental provisioning, 326

Parrots, 641

*Passerina cyanea*, 326, 663

Paternity and the Relatedness of Helpers in the Cooperatively Breeding Bell Miner, by Kelvin E. Conrad, Michael F. Clarke, Raleigh J. Robertson and Peter T. Boag, 343

Paton, P. W. C., see Griffin, C. R., 654

Patterns and Dynamics of Shorebird Use of California’s Central Valley, by W. David Shuford, Gary W. Page and Janet E. Kjelmyr, 227

Patterns of Activity, Flocking, and Habitat Use in Parrots of the Peruvian Amazon, by James D. Girdler and Charles A. Munn, 641

Penguins, 376

Personal watercraft, 528

*Phaethornis guy*, 149

*Phalacrocorax bransfieldensis*, 112

Phillips, R. A., see Catry, J., 448

Philopatry, 335, 426

*Phoebeastria irrorata*, 737

Phylogeny, 153

*Pica pica*, 177

Picidae, 350

Pied Flycatcher, 702

Pigeon, 579

*Pinus caribaea*, 201

*Ochthoeca*, 629

Open oak scrub, 753

Open space, 601

Optimal foraging hypotheses, 174

*Oreomystis mana*, 541

Organ development, 316

Oring, L. W., see Warnock, N., 589

Ornamental condition, 753

Pacific Flyway, 456

Page, G. W., see Shuford, W. D., 227

Pair bonds, 688

formation, 551

reunion, 551

Pair Interactions in Red-faced Warblers, by Patricia M. Barber, Thomas E. Martin and Kimberly G. Smith, 512

Parasites, Morphology, and Blood Characters in Male Red Jungle Fowl During Development, by Torger S. Johnsen and Marlene Zuk, 749

Parasitic Jaegers, 448

Parasitism by Shiny Cowbirds of Rufous-Bellied Thrushes, by Gabriela Lichtenstein, 680

Parental provisioning, 326

Parrots, 641

*Passerina cyanea*, 326, 663

Paternity and the Relatedness of Helpers in the Cooperatively Breeding Bell Miner, by Kelvin E. Conrad, Michael F. Clarke, Raleigh J. Robertson and Peter T. Boag, 343

Paton, P. W. C., see Griffin, C. R., 654

Patterns and Dynamics of Shorebird Use of California’s Central Valley, by W. David Shuford, Gary W. Page and Janet E. Kjelmyr, 227

Patterns of Activity, Flocking, and Habitat Use in Parrots of the Peruvian Amazon, by James D. Girdler and Charles A. Munn, 641

Penguins, 376

Personal watercraft, 528

*Phaethornis guy*, 149

*Phalacrocorax bransfieldensis*, 112

Phillips, R. A., see Catry, P., 448

Philopatry, 335, 426

*Phoebeastria irrorata*, 737

Phylogeny, 153

*Pica pica*, 177

Picidae, 350

Pied Flycatcher, 702

Pigeon, 579

*Pinus caribaea*, 201

Pizo, Marco Aurelio, and Alexandre Aleixo, Lek Behavior of the Gray-hooded Flycatcher, 726

Plasma chemistry, 719

Polyandry, 335

Ponderosa Pine, 485

Population abundance, 254

differentiation, 1


Osiejuk, Tomasz S., Correlates of Creeping Speed Variability in Two Species of Treecreepers, 174


P

Pacific Flyway, 456

Page, G. W., see Shuford, W. D., 227

Pair bonds, 688

formation, 551

reunion, 551

Pair Interactions in Red-faced Warblers, by Patricia M. Barber, Thomas E. Martin and Kimberly G. Smith, 512

Parasites, Morphology, and Blood Characters in Male Red Jungle Fowl During Development, by Torger S. Johnsen and Marlene Zuk, 749

Parasitic Jaegers, 448

Parasitism by Shiny Cowbirds of Rufous-Bellied Thrushes, by Gabriela Lichtenstein, 680

Parental provisioning, 326

Parrots, 641

*Passerina cyanea*, 326, 663

Paternity and the Relatedness of Helpers in the Cooperatively Breeding Bell Miner, by Kelvin E. Conrad, Michael F. Clarke, Raleigh J. Robertson and Peter T. Boag, 343

Paton, P. W. C., see Griffin, C. R., 654

Patterns and Dynamics of Shorebird Use of California’s Central Valley, by W. David Shuford, Gary W. Page and Janet E. Kjelmyr, 227

Patterns of Activity, Flocking, and Habitat Use in Parrots of the Peruvian Amazon, by James D. Girdler and Charles A. Munn, 641

Penguins, 376

Personal watercraft, 528

*Phaethornis guy*, 149

*Phalacrocorax bransfieldensis*, 112

Phillips, R. A., see Catry, P., 448

Philopatry, 335, 426

*Phoebeastria irrorata*, 737

Phylogeny, 153

*Pica pica*, 177

Picidae, 350

Pied Flycatcher, 702

Pigeon, 579

*Pinus caribaea*, 201

Pizo, Marco Aurelio, and Alexandre Aleixo, Lek Behavior of the Gray-hooded Flycatcher, 726

Plasma chemistry, 719

Polyandry, 335

Ponderosa Pine, 485

Population abundance, 254

differentiation, 1


Potassium-40 measurement, 579

Potti, Jaime, Arrival Time From Spring Migration in Male Pied Flycatchers: Individual Consistency and Familial Resemblance, 702

Prather, John W., A review of *Song of the Dodo: Island Biogeography in an Age of Extinction*, by David Quammen, 408

Pre-Pleistocene Differentiation among Chat-tyrants, by Jaime Garcia-Moreno, Peter Arctander and Jon Fjeldså, 629

Predation, 119, 757

Predators of Quail Eggs, and the Evidence of the Remains: Implications for Nest Predation Studies, by Miguel A. Marini and Celine Melo, 395


Prey abundance, 79

detection, 131

temporal variation, 112

Primary molt, 8

Prince William Sound, 227, 709

Prince, P. A., see Cobléy, N. D., 8

Ptilochronology, 753

*Pyctorhampus aleuticus*, 546

Q

A Quantitative Analysis of Winter Distribution and Habitats of Kirtland’s Warblers in the Bahamas, by J. Christopher Haney, David S. Lee and Martha Walsh-McGehee, 201

A Quantitative Analysis of Woodpecker Drumming, by Robert D. Stark, Danielle J. Dodenhoff and Eric V. Johnson, 350

Radio telemetry, 69, 456, 709

Ralph, C. John, Steven G. Fancy and Tim D. Male, Demography of an Introduced Red-billed Leiothrix Population in Hawaii, 468

Random variation, 574

Rappole, J. H., see Vega, J. H., 69

Raptors, 27, 601, 719

Raptors in Human Landscapes: Adaptations to Built and Cultivated Environments, edited by David M. Bird, Daniel E. Varland, and Juan J. Negro, reviewed by Patricia L. Kennedy, 584
INDEX FOR VOLUME 100


Recent Geographic Trends in Neotropical Avian Research, by Kevin Winker, 764

Red Jungle Fowl, 749

Red-faced Warbler, 512, 741

Redhead, 62

Red-winged Blackbirds: Decision-making and Reproductive Success, by Les D. Beletsky and Gordon H. Orians, reviewed by Ken Yasukawa, 183

Reed, Eric T., Evan G. Cooch, R. Ian Goudie and Fred Cooke, Site Fidelity of Black Brant Wintering and Spring Staging in the Strait of Georgia, British Columbia, 426


Rejection of Artificial Parasite Eggs by Gray Kingbirds in the Bahamas, by Michael E. Baltz and Dirk E. Burhans, 566

Reed, N., see Catry, P., 448

Recent Geographic Trends in Neotropical Avian Research, by Kevin Winker, 764

Recurvirostra americana, 589

Red Jungle Fowl, 749

Red-billed Leiothrix, 468

Red-headed Warbler, 512, 741

Redhead, 62

Red-winged Blackbirds: Decision-making and Reproductive Success, by Les D. Beletsky and Gordon H. Orians, reviewed by Ken Yasukawa, 183

Reed, Eric T., Evan G. Cooch, R. Ian Goudie and Fred Cooke, Site Fidelity of Black Brant Wintering and Spring Staging in the Strait of Georgia, British Columbia, 426


Rejection of Artificial Parasite Eggs by Gray Kingbirds in the Bahamas, by Michael E. Baltz and Dirk E. Burhans, 566

Reed, Eric T., Evan G. Coach, R. Ian Goudie and Fred Cooke, Site Fidelity of Black Brant Wintering and Spring Staging in the Strait of Georgia, British Columbia, 426


Rejection of Artificial Parasite Eggs by Gray Kingbirds in the Bahamas, by Michael E. Baltz and Dirk E. Burhans, 566

Remsen, J. V., see Johnson, N. K., 18

Repeatability, 702

Reproductive success, 79, 688
timing, 373

Resource selection, 286

Restivo, V., see Berman, S., 574

Reynolds, R. T., see Gavin, T. A., 556

Ricelands, 227

Risk-taking by Incubating Common Goldeneyes and Hooded Mergansers, by Mark L. Mallory, Donald K. McNicol, Russell A. Walton and Mark Wayland, 694

Rissa tridactyla, 709

Robertson, Gregory J., Fred Cooke, R. Ian Goudie and W. Sean Boyd, The Timing of Pair Formation in Harlequin Ducks, 551

Robertson, R. J., see Conrad, K. F., 343

Rock Dove, 298

Rodrigues, J., see Berman, S., 574

Roost site, 732

Roosting sociality, 641

Roseate Tern, 131

Rosenstock, Steven S., Influence of Gambel Oak on Breeding Birds in Ponderosa Pine Forests of Northern Arizona, 485

Roth, J. D., see Gutzwiller, K. J., 519

Sandwich Tern, 131

Santos, D. M., see Sol, D., 298

Satellite telemetry, 172

Satellite Tracking of Magellanic Penguin Migration, by David L. Stokes, P. Dee Boersma and Lloyd S. Davis, 376

Savard, J. L., see Clergeau, P., 413

Schmutz, J. A., see Hollmén, T. E., 402

Schmutz, Joel A., and Keith A. Hobson, Geographic, Temporal, and Age-Specific Variation in Diets of Glaucous Gulls in Western Alaska, 119

Seabird energetics, 546

Seabird-cetacean interaction, 560

Seabirds, 277, 709

Sealy, S. G., see McMaster, D. G., 102

Seasonal abundance, 227

Sedinger, J. S., see Eichholz, M. W., 164


Senescence, 448

Setophaga ruticilla, 389

A Sexually Dimorphic Learned Birdsong in The Northern Cardinal, by Ayako Yamaguchi, 504

Sexual variation in foraging, 112

Shealer, David A., Differences in Diet and Chick Provisioning Between Adult Roseate and Sandwich Terns in Puerto Rico, 131

Shiny Cowbird, 566, 680

Shorebirds, 227, 456, 589

Short Incubation Periods of Brown-headed Cowbirds: How Do Cowbird Eggs Hatch Before Yellow Warbler Eggs?, by D. Glen McMaster and Spencer G. Sealy, 102


Shuford, W. David, Gary W. Page and Janet E. Kjelmyr, Patterns and Dynamics of Shorebird Use of California's Central Valley, 227

Silva, P., see Favero, M., 112

Silvicultrix, 629

Singing Behavior of Lekking Green Hermits, by Elizabeth MacDougall-Shackleton and Heidi Harbison, 149

Site Fidelity of Black Brant Wintering and Spring Staging in the Strait of Georgia, British Columbia, by Eric T. Reed, Evan G. Cooch, R. Ian Goudie and Fred Cooke, 426

Skeletal Development at the Time of Fledging in House Wrens, by Chaitali Dutta, L. Scott Johnson, David Larkin and Luz P. Mangurian, 568

Skelton, 568

Smith, J. M. N., see Ward, D., 1

Smith, K. G., see Barber, P. M., 512

Smith, K. G., see Bider, C. J., 410

Smith, K. G., see Woolfenden, G. E., 587

Smith, Kimberly G., Briefly Noted Book Reviews, 193, 410, 776

Smith, L. M., see Davis, C. A., 266

Smith, Robert, Michael Hamas, Matthew Dallman and David Ewert, Spatial Variation in Foraging of the Black-throated Green Warbler Along the Shoreline of Northern Lake Huron, 474

Smith, T. B., see Larison, B., 93

Sol, Daniel, David M. Santos, Josep Garcia and Mariano Cuadrado, Competition for Food in Urban Pigeons: The Cost of Being Juvenile, 298

Song, 350

Song of the Dodo: Island Biogeography in an Age of
Extinction, by David Quammen, reviewed by John W. Prather, 408

Song production, 149

Song Sparrow Males Use Female-Typical Vocalizations in Fall, by Michelle M. Elekonich, 145

Song Sparrows vs. Cowbird Brood Parasites: Impacts of Forest Structure and Nest-Site Selection, by Brenda Larison, Stephen A. Laymon, Pamela L. Williams and Thomas B. Smith, 93

Songs, 145

Sonnebom, D. W., see Sykes, P. W., 162

Sordahl, Tex A., A review of The Oystercatcher: From Individuals to Populations, edited by John D. Goss-Custard, 407

South Georgia, 8

Southern Fulmars Molt Their Primary Feathers While Incubating, by Christophe Barbraud and Olivier Chastel, 563


Spatial Variation in Foraging of the Black-throated Green Warbler Along the Shoreline of Northern Lake Huron, by Robert Smith, Michael Hamas, Matthew Dallman and David Ewert, 474

Speciation, 629

Species and Subspecies Limits in Least Terns, by Barbara W. Massey, 180

Spendelow, J. A., see Nisbet, I. C. T., 305

Sperm competition, 141

Spheniscus magellanicus, 376

Sperm competition, 141

Spheniscus mendiculus, 245, 277

Spizella pusilla, 663

Spring staging, 426

Spring Stopover Ecology of Migrant Western Sandpipers, by Nils Warnock and Mary Anne Bishop, 456

Stable isotopes, 119

Stark, Robert D., Danielle J. Dodenhoff and Eric V. Johnson, A Quantitative Analysis of Woodpecker Drumming, 350

Starvation, 298

Status and Trends of the Ashy Storm-petrel on South-east Farallon Island, California, Based Upon Capture-Recapture Analyses, 438

Steadman, David W., and Holly B. Freifeld, Distribution, Relative Abundance, and Habitat Relationships of Landbirds in the Vava’u Group, Kingdom of Tonga, 609

Stercorarius parasiticus, 448

Sterna, 180

antillarum, 18
douglallii, 131
hirundo, 528
sandvicensis, 131
striata, 569

Stevens, E. L., see Brown, B. T., 745

Stokes, David L., P. Dee Boersma and Lloyd S. Davis, Satellite Tracking of Magellanic Penguin Migration, 376

Stomach analysis, 112

Stopover ecology, 373

Strix occidentalis, 79

Strix occidentalis lucida, 732

Subspecies, 180

Sullivan, K. A., see Donnelly, R. E., 385

Survey methods, 641

Suryan, R. M., see Ostrand, W. D., 709

Sydeman, W. J., see Hodum, P. J., 546

Sydeman, William J., Nadav Nur, Elizabeth B. McLaren and Gerard J. McChesney, Status and Trends of the Ashy Storm-petrel on Southeast Farallon Island, California, Based Upon Capture-Recapture Analyses, 438

Sykes, Paul W., and David W. Sonneborn, First Breeding Records of Whooper Swan and Brambling in North America at Attu Island, Alaska, 162

Systematics, 27

T

Taxonomy, 18, 27

Tella, J. L., see Dobado-Berrios, P. M., 719

Territoriality, 145, 541

Testosterone, 749

The Diet of the Antarctic Shag During Summer at Nelson Island, Antarctica, by Marco Favero, Ricardo Casaux, Patricia Silva, Esteban Barrera-Oro and Nestor Corta, 112

The Golden Eagle, by Jeff Watson, reviewed by Michael W. Collopy, 774

The Incidence of Nonbreeding by Adult Great Skuas and Parasitic Jaegers from Foula, Shetland, by Paulo Catry, Richard A. Phillips, Keith C. Hamer, Norman Ratcliffe and Robert W. Furness, 448

The Influence of Female Age, Body Mass, and Ambient Conditions on Redhead Incubation Constancy, by Tina Yerkes, 62

The Oystercatcher: From Individuals to Populations, edited by John D. Goss-Custard, reviewed by Tex A. Sordahl, 407

The Raven, A Natural History in Britain and Ireland, by Derek Ratcliffe, reviewed by John M. Marzluff, 185

The Red-winged Blackbird: The Biology of a Strongly Polygynous Songbird, by Les Beletsky, reviewed by Ken Yasukawa, 183

The Relationship Between Intra- and Interspecific Brood Amalgamation in Waterfowl, by Guy Beuchamp, 153

The Snow Geese of La Perouse Bay: Natural Selection in the Wild, by Fred Cooke, Robert F. Rockwell, and David B. Lank, reviewed by Thomas D. Nudds, 585

The Timing of Pair Formation in Harlequin Ducks, by Gregory J. Robertson, Fred Cooke, R. Ian Gouldie and W. Sean Boyd, 551

The Zebra Finch, by Richard A. Zann, reviewed by Richard F. Johnston, 187

Thermoregulatory Responses of Bridled and Juniper Titmice to High Temperature, by Wesley W. Weathers and Erick Greene, 365

Thick-billed Murre, 172

Thompson, F. R., see Burbans, D. E., 663

Thompson, F. R., see Dearborn, D. C., 326
Timing of Pair and Extra-Pair Copulations in the Northern Fulmar, by F. M. Hunter, 141

Tonga, 609

Toxostoma rufum, 535

Treecreepers, 174

Tricolored Blackbird Itinerant Breeding in California, by William J. Hamilton III, 218

Troglodytes aedon, 568

Tubaro, Pablo Luis, and Bettina Mahler, Acoustic Frequencies and Body Mass in New World Doves, 54

Tufted Puffins, 286

Tyrannidae, 726

Tyrannus dominicensis, 566

U

Ueta, Mutsuyuki, Azure-winged Magpies Avoid Nest Predation By Nesting Near a Japanese Lesser Sparrowhawk’s Nest, 400

Urban ecosystem, 413

pigeons, 298

Urbanization, 601

Uria aalge, 172

U. lomvia, 172

Variation in Foraging Behavior Among Nesting Stages of Female Red-faced Warblers, by Robert C. Dobbs and Thomas E. Martin, 741

Variations in Growth of Roseate Tern Chicks: II. Early Growth as an Index of Parental Quality, by Ian C. T. Nisbet, Jeffrey A. Spendelow, Jeff S. Hatfield, James M. Zingo and Greg A. Gough, 305


Villard, M., see Hobson, K. A., 389

Villard, M., see Hobson, K. A., 389

Visser, G. H., see Hодum, P. J., 546

Vocal learning, 504

Walsh-McGehee, M., see Haney, J. C., 201

Walton, R. A., see Mallory, M. L., 694

Ward, David, and James N. M. Smith, Morphological Differentiation of Brown-headed Cowbirds in the Okanagan Valley, British Columbia, 1

Ward, James P., R. J. Gutiérrez and Barry R. Noon, Habitat Selection by Northern Spotted Owls: The Consequences of Prey Selection and Distribution, 79

Warnock, Nils, and Mary Anne Bishop, Spring Stopover Ecology of Migrant Western Sandpipers, 456

Warnock, Nils, Susan M. Haig and Lewis W. Oring, Monitoring Species Richness and Abundance of Shorebirds in the Western Great Basin, 589


Waterfowl, 153

Waved Albatross, 737

Wayland, M., see Mallory, M. L., 694

Weathers, W. W., see Hodum, P. J., 546

Weathers, Wesley W., and Erick Greene, Thermoregulatory Responses of Bridled and Juniper Titmice to High Temperature, 365

Western Sandpiper, 456

Wetlands, 227

White-fronted Tern, 560

WHSRN site, 589


Williams, P. L., see Larison, B., 93

Wilson, Gina R., Margaret C. Brittingham and Laurie J. Goodrich, How Well Do Artificial Nests Estimate Success of Real Nests?, 357

Wilson, R. Randy, and Robert J. Cooper, Acadian Flycatcher Nest Placement: Does Placement Influence Reproductive Success?, 673

Winker, Kevin, Recent Geographic Trends in Neotropical Avian Research, 764

Winter habitats, 201

Winter Participation by Neotropical Migrant and Resident Birds in Mixed-species Flocks in Northeastern Mexico, by Wendy K. Gram, 44

Wintering, 426

Wood Duck, 688

Wood Thrush, 357


Woodpeckers, 350

Woolfenden, G. E., see Grubb, T. C., 753

Woolfenden, Glen E., and Kimberly G. Smith, Briefly Noted Book Reviews, 587


Wyoming, 519

Y

Yamaguchi, Ayako, A Sexually Dimorphic Learned Birdsong in The Northern Cardinal, 504


Yates, T. A., see Brown, B. T., 745

Yellow Warbler, 102

Yerkes, Tina, The Influence of Female Age, Body Mass, and Ambient Conditions on Redhead Incubation Constancy, 62
INDEX FOR VOLUME 100

Young, E. C., Dispersal From Natal Territories and the Origin of Cooperatively Polyandrous Breeding Groups in the Brown Skua, 335
Young, Kendal E., Raul Valdez, Phillip J. Zwank and William R. Gould, Density and Roost Site Characteristics of Spotted Owls in the Sierra Madre Occidental, Chihuahua, Mexico, 732

Z

Zingo, J. M., see Nisbet, I. C. T., 305
Zuk, M., see Johnsen, T. S., 749
Zwank, P. J., see Young, K. E., 732