

## ACKNOWLEDGMENTS

An effort with the scope of the San Diego County Bird Atlas was possible only because of the cooperation and generosity of many people and organizations. First I must thank our many volunteer observers. Their energy and diligence in the field—over 55,000 hours—were the atlas' cornerstone. Their faith and trust drove the project from start to finish.

Because of the talents and dedication of project assistant Ann Klovstad, the San Diego County Bird Atlas reached a far higher level of achievement than it could have without her. Her professionalism shaped every phase of the project, and it is only because of that professionalism that the San Diego County Bird Atlas can serve as a model for similar efforts. She did the vast majority of the data entry, orchestrated our semiannual "wingdings" to thank and recognize our volunteers, figured out how to generate the charts of nesting schedules, oversaw our complex finances, and compensated for many shortcomings, especially mine. To recognize her accomplishments adequately would take a book in itself. Thank you, Ann. And Ann thanks Cheryl Mann and Frank and Betty Scheible, whose support kept her going through the entire project.

The organizations and agencies sponsoring the project were vital to its success. The California Department of Transportation was our earliest sponsor and stuck with us faithfully through the entire life of the project. Many thanks to Pam Beare, Sue Scatolini, Darlene Alcorn, and Chris White for their kind support, and many thanks to Barbara Kus for overseeing the grant as it was funneled through San Diego State University Foundation, and looking out for us at the turn of each fiscal year.

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The California Department of Fish and Game generously supported the project with a grant through its Natural Community Conservation Plans Local Assistance Program. This grant enabled me to focus exclusively on the San Diego County Bird Atlas in the final year of data analysis and writing. Thanks to Lyann Comrack and Dave Lawhead for their kindness in overseeing this grant.

The atlas' coverage of Anza-Borrego, Palomar, and Cuyamaca Rancho state parks was thorough, thanks to the sponsorship of California State Parks. Funding through the parks enabled us to deploy field assistants to even the most remote and difficult wilderness areas. Park resource ecologist Paul D. Jorgensen helped coordinate

our coverage of the Anza-Borrego Desert and served as an advisor from the project's beginning. Paul, ranger Robert Thériault, and park supervisor Mark Jorgensen were among our most active field observers in the park.

The Zoological Society of San Diego supported the project from its Conservation and Research Fund, sustaining its operation for two years. This grant provided the computer capable of managing the databases and handling the programs the project entailed. Many thanks to Bill Toone for his faith and support in facilitating this grant.

The National Fish and Wildlife Foundation also helped support the San Diego County Bird Atlas' operation for two years. Thanks to Greg Elliott and Alexandra Rose of the foundation, and to Barbara Kus, Jim Sulentic, Liam Davis, John Lovio, and Michael R. Smith for their support of our application.

A contract with the U.S. Navy assisted with funding, in exchange for data and copies of the atlas itself. Thank you to Tim Burr for helping to arrange this contract.

For funding for the print version of the atlas, I have many generous donors to thank. The San Diego Unified Port District provided a grant covering nearly a third of the cost. Thanks very much to environmental services director David Merk, assistant director Eileen Maher, port commissioner Frank Urtasun, and port staff Melissa Mailander, Allison Gutiérrez, Rita Vandergaw, and Bruce Hollingsworth for their support in making the port's grant a reality.

The San Diego County Water Authority kindly authorized a grant, thanks to the support of Tim Cass.

Similarly, the Sweetwater Authority also contributed to our publication fund; I thank Peter Famolaro for arranging this grant, as well all the data he contributed.

Many individual donors contributed generously to operation and publication costs from the inception of the project. At the end of the field work, Bert McIntosh proposed a "Century Club" of donors of \$100 or more to support publication, and a large proportion of our participants contributed. Many others contributed in memory of Margaret McIntosh, one of the project's most enthusiastic supporters, and one of my dearest friends, to whom this atlas is dedicated. Table 2 is the list of all these generous individual donors. Michael G. Mathos contributed the funds enabling the purchase of GIS software ArcView 3.2.

Thanks to Michael R. Smith for getting us started with the geographic-information system, networking our computers, setting up the GIS files of the grid system, and directing our takeoff on the information superhighway. Thanks to Richard Wright and John Kaiser of San Diego State University's geography department for allowing us to take the training course in ArcView 3.2 offered to SDSU faculty and staff.

**TABLE 2 Individuals and Societies Contributing Financially to the San Diego County Bird Atlas**

Paulette D. Ache\*, Donald K. Adams\*, Janet A. Anderson\*, Iola Arakelian†

Richard L. Barber\*, Joseph R. Barth\*, Mona Baumgartel & John DeBeer\*, Frederick A. Belinsky\*, Adeline L. Black†\*, Suzanne I. Bond\*, Katie Boskoff†, Richard & Susan L. Breisch\*, Dorothy Burnst

Stephen D. Cameron\*, Patricia A. & Kurt F. Campbell\*, Elizabeth A. Castillo\*, Sunny Christiansen\*, Lucie Clark†, James L. Coatsworth

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Philip K. and Heather L. Nelson\*, Christine M. Nyhan\*

Ruth A. O'Rourke\*, Barbara J. Orr\*, N. (Oz) Osborn\*

Palomar Audubon Society\*, Carol M. Parker\*, Grace Bell & Will Parsons\*, Robert T. Patton\*, James A. & Barbara J. Peugh†\*, Jack & Grace Pletcher†, Philip R. Pryde\*

Nancy Owens Rennert†, Joan M. Roberts\*, Norman C. Roberts\*, Charlotte L. Ryde\*

San Diego Audubon Society\*, Conrad Sankpill, Luis R. Santaella\*, Kathleen Satterfield\*, Frank W. & Betty R. Scheible\*, David G. Seay\*, Betty Siegel\*, Robert & Sharlott Small†, James H. Smith†\*, Thomas & Ona Smith†, Glen E. Spencer\*, Ruth Stalnaker, John & Barbara Stokley†, Herb Stone\*, Mary Beth Stowe\*, Norma Sullivan, Melvin & Ellen Sweet†

Melba M. Taylor†\*, Robert Thériault\*, Carl & Anna Marie Thompson†, Mary Toomey\*, William & Anita Tumlint

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Alison & Ronald Weisst, Herbert H. & Katherine Williams\*, James K. Wilson\*, Doretta Winkelman†, Annette & Wade Winner†\*, Carol H. Winter\*, Kirsten J. Winter†\*, Shauna M. Wolf†\*, Catherine Woodruff\*, Joseph C. Worley\*

Herbert L. Young\*, Mary M. Yount\*

\*Members of the "Century Club" proposed by Bert McIntosh.

†Contributors in memory of Margaret McIntosh.

Ogden Environmental and Energy Services offered computer-generated habitat maps and aerial photos of the county by atlas square. Thanks very much to Patrick Atchison for this service, enabling atlas participants to cover the diversity of habitats in each square.

The San Diego County Department of Planning and Land Use offered to digitize the thousands of point localities for rare and sensitive birds that atlas observers plotted on paper maps. Thanks to Melanie Casey, Dan Henderson, Bob Asher, and Tom Oberbauer for their support with this aspect of the project, among the most critical to its applications in conservation.

Advisory group members Michael U. Evans, Paul D. Jorgensen, Ann E. Klovstad, Barbara E. Kus, Karen Messer, Conrad Sankpill, Michael R. Smith, Kenneth L. Weaver, and Kirsten J. Winter deserve many thanks for their steadfast support and kind guidance throughout the project (see also Organization).

San Diego County's birding organizations, the San Diego Audubon Society, Buena Vista Audubon Society, Palomar Audubon Society, and San Diego Field Ornithologists supported the atlas enthusiastically from start to finish, setting aside programs for recruiting meetings and progress reports, featuring the project in newsletters, and providing the backbone of our corps of participants. Grants from the Palomar and San Diego Audubon societies were substantial additions to our publication fund. Thanks to the many members of these societies, and to their leaders Kathie Satterfield and Jim Coatsworth of San Diego Audubon and Richard Barber and Clark Mahrtdt of Palomar Audubon for initiating these grants.

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Access to many sites not typically open to the public was vital to the thorough coverage the atlas achieved. Many managers and landowners kindly went out of their way to facilitate such access. I fear the following list far from complete, but I must thank Slader Buck, Jim Asmus, Deborah Bieber, and Christine Mukai of Camp Pendleton, Paul Dorey of the Vista Irrigation District, Jim Brown, lakes program manager, and all the staff of the city of San Diego Water Department reservoirs, Greg Hill of the Bureau of Land Management, Los Coyotes Indian Reservation, La Jolla Indian Reservation, Helix Water District, Bobby Curo,

Richard Day, Fritz Hartung family, "Doc" Holmes, Don Madison, Mr. & Mrs. Ralph Nunnery, Melody O'Driscoll, Nick & Lucretia Stehly, and Gemma Thornburn.

Dale Clark supported the project in many valuable ways. As the founder and mastermind of the San Diego Natural History Museum's website, she played a critical role in bringing the project into the 21<sup>st</sup> century: getting the quarterly newsletter on the website, enabling on-line submission of data, and making the website a primary means of communication about the project. She kindly arranged access to Rancho Corte Madera. I thank her deeply for more contributions than can be listed here.

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Many reviewers contributed to ensuring that the accounts were as accurate and as readable as possible. I am especially indebted to Michael A. Patten, who read and reviewed the entire text. Kenneth L. Weaver also read the entire text and commented on many accounts. Amadeo M. Rea reviewed the accounts of most of the land birds. Philip R. Pryde and Barbara E. Kus reviewed the introductory sections. The following persons reviewed one or more species accounts in his or her realm of expertise: David Bittner, Peter Famolaro, Christine Fritz, Kimball L. Garrett, William E. Haas, William J. Hamilton, Barbara E. Kus, Jeffrey L. Lincer, Jeffrey A. Manning, John A. Martin, Guy McCaskie, Patrick J. Mock, Kathy C. Molina, Robert T. Patton, Bonnie L. Peterson, Mary F. Platter-Rieger, Abby N. Powell, Brian L. Sullivan, and Richard Zembal. Finally, many participating observers read the accounts in which their observations were cited and made many corrections. I thank all these reviewers for their kind

assistance; the quality of this atlas is far higher as a result of their suggestions and corrections.

The photographs illustrating this atlas were all generously donated by San Diego's leading bird photographers. I am especially grateful to Anthony Mercieca, and it is an honor to be able to feature his legendary work as the primary source of photos in this book. Jack C. Daynes made numerous field trips to photograph species whose images we were missing, and he helped with the scanning of the photos. Brian L. Sullivan and Kenneth Z. Kurland also kindly contributed photos to fill some gaps. Kenneth Fink and Richard E. Webster donated substantial collections of slides to the San Diego Natural History Museum, another valuable resource I have drawn upon. Suzanne I. Bond, Alan M. Craig, Brian Foster, Dave Furseth, Joseph R. Jehl, Jr., Alden Johnson, Peter LaTourrette, John S. Luther, Jerry R. Oldenettel, Matt Sadowski, Jack W. Schlotte, Mary Beth Stowe, and Scott Streit each contributed one to three photos, either directly or through the museum's photo archive. I thank Suzanne I. Bond for spending many hours at the computer processing the scanned images to ready them for publication, as well as for reading and correcting page proofs.

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