

# WRENTIT

Founded 1904

Pasadena Audubon Society
A Chapter of National Audubon Society

*Volume 70 — No. 5* 

To bring the excitement of birds to our community through birding, education and the conservation of bird habitats.

June 2022- August 2022

# **PAS Throws Big Bash for Birding Book**

On the first of May, the long-awaited *Birding Guide to the Greater Pasadena Area* debuted to great fanfare and revelry at a late afternoon gathering in Arlington Garden.

Nearly 150 members and supporters of Pasadena Audubon Society turned out to toast the book's publication and the many contributors who brought it to life. Most of those contributors were present, sipping wine and accepting well-earned kudos; artist Catherine Hamilton, whose fine renderings of local birds grace the guide's pages, was on hand to autograph copies. Also among those in attendance were Pasadena Mayor Victor Gordo, Pasadena Councilmember Felicia Williams, and staff from the Pasadena Community Foundation.

The *Birding Guide to the Greater Pasadena* can be purchased online from Buteo Books or at Vroman's, Theodore Payne, California Botanic Garden, Plant Material, and Hahamongna Nursery. As of this writing, more than 500 copies of the guide have been sold, and PAS plans to donate copies to schools and libraries throughout the San Gabriel Valley.

more photos on page 7



(from left) PAS President-elect Luke Tiller, Karen Suarez, Birding Guide to the Greater Pasadena Area, Simone Mills, Tom Mills, and Edie Tyebkhan © Sean Doorly

# PRESIDENT'S PERCH

Five years ago, you honored me by choosing me to be your president. Then, three weeks later, while he was sitting in his car at a red light, my husband of 31 years died of a massive heart attack. My life instantly turned upside down, and I wasn't sure if I could handle the job of leading our Audubon chapter. But a week after my husband's death, my son John and I sought comfort from our Audubon friends by attending the annual Pasadena Audubon Society June dinner. You were all so supportive and kind that I began to think that maybe I could do this. The following fall, I wrote a President's Perch about the courage required by tiny warblers that only weigh a bit more than a quarter but manage to fly hundreds, even thousands, of

miles during migration. I think I was looking to the Wilson's Warbler for inspiration! Like these courageous birds, we can do hard things, and when the stakes are high, we can do great things. And that is what my last five years as your president have taught me.

In the last five years, we have indeed done great things. We



Wilson's Warbler, plucky symbol of perseverance. © Marsha Fowler

launched our Bird Science Program which reaches hundreds of schoolchildren at Washington Elementary STEM Magnet School and Jackson STEM Dual Language Magnet Academy, both in Pasadena Unified School District. This stellar program provides high-quality in-person and online education to teach Kindergarteners through fifth graders about many bird-related topics like migration and habitat, as well as lessons on our local birds and incredible field trips to Peck Road Watershed Park and the Audubon Center at Debs Park. Teachers and students alike rave about this program. In fact, yesterday, on our field trip to Deb Park, a third-grader told me that he was pretty sure that when he looked back on his life, this day would be one of the best days ever. These are those high stakes I was talking about!

We also built a native plant garden/outdoor classroom at Washington Elementary. Like all great projects, this one turned out to be much more engaging and involved than we had originally anticipated. We learned to work with the school's entire team, everyone from the principal to the science teacher to the other teachers to the gardening manager to the students and the parents. We also created partnerships with the Department of Water and Power at the City of Pasadena, the Pasadena Community Job Center, local Boy Scout troops, and

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## MONTHLY CHAPTER MEETINGS: UPCOMING PROGRAMS

# A Record-setting Big Year, and a Campaign to Make The Outdoors Safe For Women June 15th, 7:00 pm to 8:30 pm Tiffany Kersten

Tiffany Kersten didn't set out to do a big year, but after a series of unanticipated and serendipitous events, she suddenly found herself amidst one. She spent 2021 traveling to all corners of the Lower 48 States, setting a new record of 726 species in the year. As a survivor of sexual assault, Kersten has a second goal for her big year -- raising awareness about the dangers women face in the outdoors. Join us as Kersten recounts tales of her epic adventure.

# Banquet & Bring Your Own Slides June 25th, 7:00 pm to 8:30 pm Venue TBD

It's time for another party! We're capping off a terrific year of birding, education, and conservation feats we should all be proud of. The location is still being worked out, but be sure to save the date, to bring your appetite, and, if you taken some nice photos of birds over the last year, to email your deck\* to Executive Director Lois Brunet at loisB.PAS@gmail.com, because Bring Your Own Slides is going to be live and in person again!

Monthly chapter meetings are held the third Wednesday of the month. Until further notice, the meetings will be held remotely, facillitated by the Zoom platform for video conferencing. The application can be downloaded free of charge to computer or smartphone at https://zoom.us/download. Please

## **CONSERVATION**

# **Plastic and Our Planet**

The production of plastics is one of the largest and fastest-growing contributors to greenhouse gas emissions since they (petrochemicals) are derived from oil and natural gas.

The plastics boom is pumping huge amounts of greenhouse gases into the atmosphere. The projected share of  $\mathrm{CO}_2$  emissions from global plastic production is the fastest-growing form of oil consumption globally and will account for half of the extra demand for oil by 2050. As plastic production grows, it increases emissions arising from the exploration, extraction, transportation, and refining of oil, natural gas, and coal.

The production of plastics has nearly doubled in the last 20 years, is expected to double again over the next 20, and to quadruple by the early 2050s. Carbon dioxide, methane, and an array of other greenhouse gases are released at each stage of the plastics life cycle; from the extraction and refining of fossil fuels, to the energy-intensive processes that produce plastic resins, to the manufacturing which uses those resins (and primarily, natural gas) to make products, to their disposal, incineration, and the release of plastic pollution into the oceans.

This life-cycle of plastics alone could consume between 10 and 13 percent of the earth's remaining carbon budget for staying below 1.5 degrees Celsius of global warming. But these figures may underestimate the total climate impact of plastic as the emissions from plastics do not end when they are discarded, rather plastic continues to release greenhouse gases as it very slowly degrades. And, increasing levels of microplastic debris in the oceans and atmosphere may interfere with basic biological processes, including where plankton captures carbon

# Movie Night: Winged Migration August 17th, 7:00 pm Heritage Square Museum

Last year's movie night was so much fun, we're doing an encore! Once again our venue is the beautiful Heritage Square Museum in the Montecito Heights section of Los Angeles. Join us on the lawn as we watch a great film under the stars!

This year we're presenting one of the most beautiful bird documentaries ever made, *Winged Migration*. Nominated for an Academy Award for best feature documentary and filmed on seven continents, *Winged Migration* has some of the most breath-taking bird imagery ever captured on film. Join us for a spectacular evening!

### **Upcoming PAS Board Meetings**

June 8th, 2022 September 14, 2022 October 12, 2022

The PAS Board meets 7:00 pm-8:30 pm on the second Wednesday of the month, between September and June. Contact Lois Brunet at LoisB.PAS@gmail.com if you would like the Zoom link to attend.

dioxide at the sea surface and sequesters carbon in the deep oceans.

From the perspective of our feathered friends, the two major consequences of greenhouse gas emissions, including all aspects of plastic creation, consumption, and disposal are:

- The structure, function, and resilience of all global ecosystems are dramatically changing, sometimes in unexpected ways, and;
- The environmental changes due to greenhouse gas emissions are occurring far faster than plants, insects and animals can adapt.

We must reduce our use of plastic, especially single-use plastic, which represents half of the plastic produced every day. You can make a difference: Refuse single use plastic utensils, etc., reuse whatever you can, and spread the word to friends and family.

As usual, please call me at (818) 618-1652 or email weeshoff@sbcglobal.net with questions, comments, criticism, or to enlist in our conservation activities on behalf of our feathered friends.

Dave Weeshoff

<sup>\*</sup>Remember to keep it short 'n sweet, ~5 minutes.

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#### PAGE THREE BIRD

# **Brown-headed Cowbird**

As a society dedicated to the appreciation and conservation of birds, there are nonetheless birds that we're ambivalent about. In the Greater Los Angeles Area, we have numerous introduced species from Africa, Asia, and Europe, many of them stunning and sought after, yet, if their prosperity comes at the expense of our native avifauna, we might rightfully have mixed feelings about seeing them around. Then there are North American species that have expanded their historic range and get tagged with the "nuissance bird" label as well. Alas, the Brown-headed Cowbird falls into this category.

It isn't just that they kill other birds. Plenty of raptors do that, and we revere them for their hunting prowess. It's that nasty brood parasitism business. Laying their eggs in the nests of other birds, sometimes with fatal consequences for the offspring of their unwitting hosts, seems a ruthless strategy for continuing the line. However, if we set aside our anthropomorphic lens for a minute, Brown-headed cowbirds are every bit as fascinating as any of the other birds profiled in these pages.



Like several other members of the Blackbird family (Icteridae), male Brown-headed Cowbirds have an iridescent sheen © Ira Blitz



The drab appearance of the female Brown-headed Cowbird belies its dastardly nature © Ira Blitz

The historic range of Brown-headed Cowbirds coincided with that of America's once mighty bison herds. In fact, they used to be called Buffalo Birds. As the bison thundered across The Great Plains in search of food, Brown-headed cowbirds dined on insects trying to get out the way. This itinerant lifestyle was incompatible with rearing young, so Brown-headed Cowbirds outsourced the parenting to other birds. (Or possibly the brood parasitic reproductive strategy afforded them an itinerant lifestyle). When the herds all but disappeared, the cowbirds moved west and east, and, as you've probably surmised, started

to associate with cattle. Now found throughout the continental United States, Brown-headed Cowbirds are known to have parasitized over 220 species of songbirds. So how do they do it?

The process starts with depositing a single egg in some other bird's nest. This is a daily event for up to a week. While some brood parasites, like Old World Cuckoos, have evolved to lay eggs that mimic those of the host species in order to reduce the likelihood of their rejection, Brown-headed Cowbirds don't bother disguising their eggs. Instead, the female cowbird relies on the fact that her chicks hatch sooner and develop more quickly than the hosts'. With a headstart, the bigger, stronger Brown-headed Cowbird chick may oust or smother its nestmates.

When everything goes according to plan, the egg is either not recognized as foreign by the host parents or, as recent research suggests, is recognized as foreign but tolerated. Hoover and Robinson (2007) found that when they removed Brown-headed Cowbird eggs from Prothonotary Warbler nests, female cowbirds were nine times more likely to return and depredate the warbler eggs than when their young were cared for by the hosts. This "maffa hypothesis" posits that hosts are essentially extorted into raising the changeling chick by the threat of retaliation. In the same study, Prothonotary Warblers that raised the cowbird chick had significantly more chicks fledge than those that had not, so despite the burden of involuntary foster parenting, the hosts are incentived to cooperate.

Not every species plays along. Yellow Warblers will build a new nest on top of the existing one if they notice a Brownheaded Cowbird egg in it, entombing the parasitic egg along with their own. Orioles peck holes in cowbird eggs, and larger would-be hosts, such as Catbirds, Robins, and Thrashers, can readily grasp cowbird eggs in their bills and toss them out.

A mysterious aspect of the brood parasite life cycle is how fledgings identify their conspecifics, because clearly, if they imprint on the birds that brought them up, as most chicks do, they'll be badly mistaken. Ornithologists believe there's some some sort of code in the *glug glug glee* vocalization of adult Brown-headed Cowbirds that juveniles can interpret as familiar. Meanwhile, those strange sounds must be somewhere between disconcerting and terrifying to any prospective hosts within earshot.

Lest any reader is tempted to rid the area of Brown-headed Cowbirds, don't. They are native birds and as such are protected under the Migratory Bird Act. State and federal wildlife agencies have approved population control measures where songbirds are particularly vulnerable. Indeed, as many of you have undoubtedly observed, the Devil's Gate Reservoir Restoration Project in Hahamonga includes Brown-headed Cowbird traps, primarily for the benefit of the Least Bell's Vireo.

Carl Matthies

### CHAPTER NEWS

# PAS Conservation Chair Honored for Volunteer Work with *Heal the Bay*

Congratulations are in order for PAS Conservation Chair Dave Weeshoff, who recently received the Bob Hertz Award at Heal the Bay's Volunteer Appreciation Dinner. This honor is bestowed on volunteers who have given years of service to the organization's mission.

It comes as no surprise to anyone who's seen his efforts on behalf of PAS that Dave's contributions to Heal the Bay have been too numerous to mention, but water quality expert Annelisa Moe, who nominated him, was especially impressed by his work to strengthen the stormwater permits for the Los Angeles Region. These permits set stormwater discharge regulations for a whopping eighty-eight municipalities and eleven other governmental entities. Four coastal Audubon Societies ultimately signed on to Dave's letter suggesting revisions.

Stormwater is the main source of surface level pollution on our coast, so improving the regulatory framework for such a huge region was a monumental and vital task. Way to go, Dave!

# **PAS Investing in Motus at Bear Divide**

The first question most people ask about a Motus is: What the [insert mild to severe oath here] is a Motus? A Motus is a wildlife monitoring station that relies on radio telemetry. PAS has reached an agreement with the United States Forest Service to share the cost of procuring a Motus for installation at Bear Divide. The PAS Motus will become part of network of stations stretching from Patagonia to the Arctic Circle (there are also stations in Europe and Australia).

Think of Motus technology as birdbanding for the 21st Century. Instead of bands, birds are fitted with tiny transmitters, so the recapture is accomplished passively by the Motus station receivers when birds are nearby. The PAS Board believes the Motus will provide an important Pacific Flyway node for a variety of ornithology research questions, and has the potential to inform studies of bats and insects as well.



This current Motus network map illustrates the relative paucity of stations along the Pacific Flyway © Google Maps

# **Grants Committee Helps Fund Ornithology Research Projects**

Many of us know about Pasadena Audubon Society's programs such as fieldtrips, the Bird Science Program and Young Birders Program. In line with PAS' mission of Education and Conservation is the Grants Program that has been making grants to students, teachers, researchers and community organizations for many years. This program focuses on providing support related to birds, birding, and conservation in 3 categories, namely, scholarships, research grants and grant awards to other organizations with similar mission as that of PAS. This year, PAS received six proposals and awarded four grants:

- Sean Lyon's proposal on Leveraging Bird Specimens to Quantify the Historical Effects of Urbanization on Avifauna
- Sara Freimuth's proposal on *Effects of Urbanization on Gut Microbial Communities in Dark-Eyed Juncos (Junco hyemalis)*
- Carolyn Xue's proposal on Comparisons in Patterns of Antibiotic Resistance Bacteria Between Urban and Non-urban Populations of Dark-Eyed Juncos (Junco hyemalis)
- Michael Morrison's proposal to purchase four new nets for his bird banding efforts in La Verne as part of the greater Monitoring Avian Productivity and Survivorship (MAPS) program.

Congratulations to the above individuals! We look forward to hearing more about your research and perhaps have you present at one of our upcoming members' meetings.

Sok Tng

# Central Park Birder Will Host National Geographic Series

Christian Cooper, who made national news in 2020 for his viral cellphone video of a white woman threatening him for birding while black, has been tapped to host a new television series called *Extraordinary Birder*, according to a May 16th announcement from National Geographic Content President Courtenay Monroe.

In a interview with New York Times columnist Colin Moynihan, Cooper said he was "all in" when National Geographic first approached him about hosting a show in late 2020. "I love spreading the gospel of birding," he added.

Although the premiere date has yet to be decided, a press release offers this "wrentitilating" synopsis: "Whether braving stormy seas in Alaska for puffins, trekking into rainforests in Puerto Rico for parrots, or scaling a bridge in Manhattan for a peregrine falcon, he does whatever it takes to learn about these extraordinary feathered creatures and show us the remarkable world in the sky above."

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#### WING BEAT

Latest in an occasional series of vignettes about humorous, strange, poignant, and profound events that can transpire when we venture into the field...

### The Trogon Time Machine

There's an episode of the outré 1960s television series *The Twilight Zone* called "Kick The Can", in which a group of senior citizens at a retirement home reminisce about the games they played when they were little. The nostalgic cravings crescendo until one night, they sneak outside to play and – poof!— they turn into their childhood selves. Before the credits roll, series creator Rod Serling walks into the frame and breaks the fourth wall to intone that age is just a state of mind, quite literally, in the Twilight Zone.

I was reminded of this campy parable by something I witnessed a few years ago in Southern Arizona, virtually the only place in the United States where you can see a wild trogon. An Elegant Trogon, to be exact.

The afternoon was getting long in the tooth as my family and I strolled up to the array of bird feeders at the Santa Rita Lodge in Madera Canyon. Almost every chair in front of the yard was occupied, and the occupants...well, let's just say they were all Medicare eligible. Everyone looked bushed, a few had even nodded off. "Tired as I am after a long day of birding, these folks must be totally wiped out." Or so I thought.

Only a few minutes into our feeder watching, a gray-bearded gentleman came chugging down the road, breathing heavily. As he ran past, he hollered, "Trogons are calling by the creek!"

His words had a profound effect. The subdued and somnulent septuagenarians leapt from their seats and blew past us like they were being chased by a pack of rabid dogs. They hopped fences, ignored prominent *No Trespassing* signs, and slid down a steep embankment. We struggled to keep them in sight.

The barks of the trogons grew louder as we approached the floor of the ravine, but once we arrived, they went silent. All eyes were searching the sycamore tree canopy directly

overhead. And then it happened: a male made a series of croaking calls and glided across a gap in the trees. A second later, a female croaked in response and flew in from the opposite direction to meet him on a high branch.

Everyone present, regardless of chronological age, was giddy and giggling with excitement, looking up in awe at the coveted, colorful birds. And in that moment, we were all kids again.





The rejuvenating powers of the Elegant Trogon must be seen to be believed. © Francis Morgan, Macaulay Library ML440279321

# PRESIDENT'S PERCH (CONT'D)

more. And now, we have hired our second staff person, the very capable Evellyn Rosas, our new Garden Educator, to help the teachers utilize this wonderful resource and coordinate both Washington School and PAS volunteers to help keep it beautiful and weed-free. Best of all, this lovely educational garden is also wonderful habitat for birds. Our indefatigable garden volunteer Darren Dowell reports seeing 67species of birds there! High stakes indeed.

Most recently, we published the Second Edition of the Birding Guide to the Greater Pasadena Area. It is stunning. In the words of one of our board members, Dave Weeshoff, "Honestly, I have never seen such a beautiful, informative, readable, comprehensive, useful book. Ever. Everyone involved must feel so proud to have been on the amazing team that put it together. My heartiest congratulations on this world-class publication." Dave, I couldn't have said it better myself. I am SO PROUD of the work we did on this book. I hope you all get your hands on a copy as soon as you can!

And while we were accomplishing these incredible endeavors, we were also experiencing some monumental transitions and shifts within our chapter. For example, the makeup of the board has changed significantly and often unexpectedly in the last five years. Another challenge was that, like everyone else, we had to learn how to live our lives on Zoom! Also, we just completed our five-year strategic plan, and are beginning to implement it. I look forward to the board sharing it with you soon! Most importantly, we moved from having a part-time Program Manager to a full-time Executive Director. I cannot even imagine us coming close to accomplishing these amazing feats without the truly exemplary and tireless work of Lois Brunet. Not only has she been at the center of most of our huge accomplishments, but she's also been my friend and partner-incrime these last few years, and that has been wonderful! As I close my last President's Perch, I'd like to thank Lois and our phenomenal, talented board, especially your vice-president Darren Dowell. Darren has been a perfect counter to me, and his attention to detail has ensured that we are a board of absolute integrity and transparency, two qualities I value highly. Thank you, Darren. I'm also grateful to Luke Tiller, birder extraordinaire, for agreeing to be your next president. Because I know he cares deeply about this chapter, schoolchildren, birds, and birders, I can step down with absolute confidence that you're in good hands. It's time for some new, fresh leadership!

I'd also like to thank all of you for your enthusiastic support of our chapter and the great things we are doing. I invite you to join us as we begin the next grand adventure doing great things to help kids, birders, birds!

We are the Pasadena Audubon Society and we are, as ever, for the birds!

Laura Solomon

### CHAPTER NEWS

# Birdathon Teams Hit the Field to Fundraise for PAS

The last full weekend in April, PAS members fanned out across the southland to find birds for the annual Birdathon fundraiser. Although the event had been restored to prepandemic protocols, active and passive participation were, it must be said, a tad underwhelming. From the summaries below it's clear that those who did take part thoroughly enjoyed themselves.

On Saturday, April 23, Team Adriana (Adriana and her mom) went off on a mission to find birds in the areas around the Coachella and Yucca Valleys, including Andreas Canyon (entrance only as it was closed for tribal access that week), Tahquitz Canyon, Whitewater Preserve, Big Morongo Canyon Preserve, and Joshua Tree. While the team only found 29 bird species, they discovered some new trails, met other birders, and had a wonderful day out in nature in some picturesque settings. The birds found by the team included Gambel's Quail, American Kestrel, White-winged Dove, and Vermillion Flycatcher. There were some mystery birds that flew past too quickly for the team to photograph or identify. This is Team Adriana's fourth year participating in Birdathon as their small but mighty team has been having fun with it since 2018.

Adriana Kleiman

A small crew of three birders did the Big Sit on a lawn between the North Lake and the Center Lake at Whittier Narrows. It was a pleasant day and the birds were cooperative, although we didn't have views of nesting herons and cormorants, as we do most years. The usual big crowds of swallows were reduced to a small number of Tree Swallows. Body sizes ranged from Bushtit to American White Pelican. Between the sitting and a few restless strolls to the adjacent shorelines, we tallied 46 species and 3 more taxa.

Mark Hunter

From the get-go, the Arroyo Ramblers meant business. My son Wolf and I rendezvoused with anchorman Darren Dowell in the JPL parking lot promptly at dark o' clock on Saturday morning. We headed north up Prieto Canyon to listen for nocturnal and matutinal birds that we'd be unlikely to encounter at lower elevation. Shortly after sunrise we turned around to see what Hahamongna Watershed Park had to offer. With the recently established reservoir in front of Devil's Gate Dam, we spied a decent variety of waterfowl, as well as most of the usual springtime denizens, and were sitting pretty with 77 species by 9:30 in the morning. However, as the sun rose higher, the habitat got less bird-friendly, and the laws of probability started working against us. The drop-off in species per hour was precipitous. Brookside Golf Course had Brewer's Blackbirds and House Sparrows. Apart from those, the middle leg of the trek we were mostly just getting exercise along with all the cyclists and joggers. A tepid postprandial tour of the Lower Arroyo Seco could have been the end of the day at 87 species...except that Darren put the "athon" in Birdathon by going back up Prieto Canyon to notch five more birds! We had also made a team decision to count anything novel that showed up in our yards. A few obliged, bringing our grand total to 95.

Carl Matthies



Among Team Adriana's Birdathon finds was this delightful pair of Black-headed Grosbeaks munching on seeds at a feeder.

Adriana Klaiman



What appears to be a Dowell scowl is actually a look of smug satisfaction at having bagged a Gray Gnatcatcher for the Arroyo Ramblers © Carl Matthies

The Ladybirders met at Peck Park at 8 AM on Friday, April 22nd. This happy team of eight enjoyed views of Black-chinned hummingbirds in the Cleveland sage, but the highlight was the glorious chorus of Common Yellowthroats, Yellow Warblers, Song Sparrows, Yellowbreasted Chats and Bell's Vireos at the north end of the park. We were fortunate to have Kathi Ellsworth on our team. Her excellent ear alerted us to the presence of those last two. We never did see the Yellowbreasted Chat but several caught glimpses of the Bell's Vireo. The morning resulted in a tally of 58 species and was capped as is traditional by margaritas at Mijares.

Lois Brunet



The Lady Birders pause to pose for a pic in a pack at Peck Park © Lois Brunet

June 2022- August 2022

# GIVE IT YOUR BEST SHOT

### THANK YOU TO OUR WONDERFUL DONORS!

GOLDEN EAGLE (\$1000-\$1999): Harlan Irvine

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#### MEMORIAL & TRIBUTE GIFTS:

Deidre Kessler donated in honor of Jane Glicksman and the Ladybirders!

DAWN CHORUS: Martin Bern, Lois & Pascal Brunet, David Campbell, Hannah Carbone, Kathy Degner, Gail Gibson & Connie Pearson, Sarah Hilbert, Jared Knickmeyer & Lynda Elkin, Alice Lewin, Kristen Ochoa & Shana Pallotta, Taylor Paez, Laura & Gavin Solomon, Chris Spurgeon, Elaine Tietien

# Become a Part of the Dawn Chorus

Consider joining our monthly donor program to provide ongoing support for all our programs and events. Sign up at pasadenaaudubon.org/donate. Dawn Chorus donors receive a beautiful enamel pin designed by PAS' own Patrick Walling and Graham Hamby!

If these women look happy, it's because they're ordering Birds & Beans coffee from **PAS Coffee** Club. Melinda, the woman at the laptop computer, is going to the



org website. Then she'll deftly mouse over to the RESOURCES dropdown menu, click on COFFEE CLUB, and follow the instructions for ordering and paying. Finally, she'll wait for the email from Leandra Woods that her coffee has arrived!

Birds and Beans coffee is shade-grown, certified birdfriendly, and fair trade, so it benefits the birds as well as the people who grow it.



"J'accuse!...of doing a fabulous job on the Birding Guide!" PAS President Laura Solomon gives one of her many enthusiastic shout-outs to the people who made the book (and the party!) come together @ Sean Doorly



Jamie Cho and Susie Kasielke welcome guests to the soiree © Sean Doorly



Leslie Walling and Patrick Walling, who designed the page layouts for the book. © Sean Doorly



(from left) Kathy Degner, Ingrid Gibson, and Jan Long chat in the dappled sunlight of Arlington Garden © Sean Doorly

#### Pasadena Audubon Society Board

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# A Warm Welcome to Our Newest Members!

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