Editor — Eugene Makovec
Advertising Manager — Marta Menn
Publishing Department —
Dianne Behnke & Susan Nichols
info@americanbeejournal.com
www.americanbeejournal.com

subscriptions@americanbeejournal.com

DEPARTMENTS
From the Editor
Letters to the Editor 363
News and Events
U.S. Honey Crops and Markets <b>370</b>
Classified Advertising 463
Advertising Index 466
COLUMNS
THE CLASSROOM Jamie Ellis
BEEKEEPING BASICS Swarm Basics, Part 1 Dewey M. Caron
THE CURIOUS BEEKEEPER America's Most Wanted is a Master Carpenter Rusty Burlew
BEEKEEPING, PAST AND PRESENT Bee Eggs: Soon You Will be Searching for Them Wyatt A. Mangum
NOTES FROM THE LAB Almond Growers and Insecticides Scott McArt
SCIENCE INSIDER Is There Really an Insect Apocalypse?



## **CONTENTS**

Volume 162 No. 4

Book Reviews: Spring Reads

April 2022

## **ARTICLES**

Carol Hrusovszky and Tina Sebestyen	:1
The Consequences of a Honey Bee Swarm     Edward Balogh	3
2022 Extended-release Oxalic Update — Part 2     Randy Oliver	7
Colony Confidential What Really Goes on Inside the Hive Chapter 3     Peter Keilty, with illustrations by Bridget White	.0
Early Nucs — A Practical Guide to Success     Wesley Henry	9
Migratory Beekeeping     Part Two: Modern Beekeeping     Peter L Borst	7
Young Harris College / University of Georgia Beekeeping Institute Reaches 30-year Milepost Keith Delaplane	3
Navigating the Web:     Apicultural Science and Education in the Information Age     Malcom T. Sanford	7
Do Bees Feel Pain?     Ron Miksha and Daniel Miksha	9
Common Sense Natural Beekeeping in Practice:     Case Studies from the Field, Part 1     Stephanie Bruneau	5
Inner Cover Bottom Floor: Increased Brood Space, Cleaner Hives, and a Natural Defence Against Wasps and Robbers     Ernie Daley	7

## ON THE COVER

Elaine Timm of Lebanon, Oregon, took our cover photo last April in her Willamette Valley bee yard. "It was," she says, "my first chance to do inspections after a rainy spell. It was memorable for two reasons. First, because this was the first swarm in a THREE swarm day — ugh! The second swarm went to blackberry brambles, and the third went to the same spot in the holly tree, after I had caught the first one.

"Second, because although I had seen swarms clustered up before, this was the first time I had ever seen a swarm exit the colony and form. I was doing an inspection and remember looking at the colony to the north of me thinking, wow those are some pretty serious orientation flights, and then a few minutes later hearing THAT sound. Which is what ... probably 30,000 bees with four wings each beating 200 times per second? Astounding."