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Publisher: Kenn Goin

Senior Editor: Joyce Tavolacci Creative Director: Spencer Brinker Photo Researcher: Thomas Persano

Library of Congress Cataloging-in-Publication Data

Names: Blake, Kevin, 1978 – author. Title: Terrifying ticks / by Kevin Blake.

Description: New York, New York: Bearport Publishing, [2019] | Series:

Bugged out! the world's most dangerous bugs | Includes bibliographical references and index.

Identifiers: LCCN 2018047326 (print) | LCCN 2018048350 (ebook) | ISBN 9781642802375 (ebook) | ISBN 9781642801682 (library)

Subjects: LCSH: Ticks as carriers of disease—Juvenile literature.

Ticks—Juvenile literature.

Classification: LCC RA641.T5 (ebook) | LCC RA641.T5 B53 2019 (print) |

DDC 571.9/86-dc23

LC record available at https://lccn.loc.gov/2018047326

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For more information, write to Bearport Publishing Company, Inc., 45 West 21st Street, Suite 3B, New York, New York 10010. Printed in the United States of America.

10987654321

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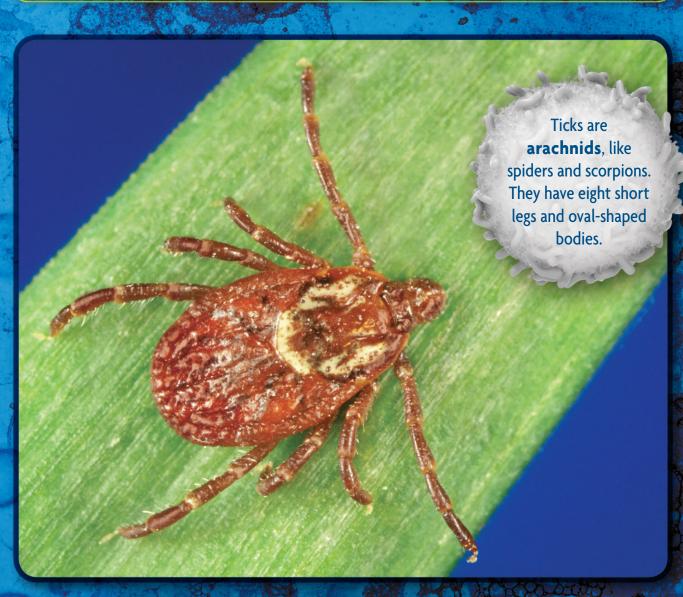
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A Black Speck

On a cool April morning in 2015, Jane Ashley started off on a hike near her Virginia home. With her dog Daisy by her side, Jane walked through fields of tall golden grass. The next day, Jane's daughter, Emma, spotted a black speck on her mom's back. Looking closer, Emma noticed that it wasn't a spot at all, but a tiny creature with eight legs. It was a tick! Emma quickly yanked it off.



Days later, Jane began feeling very sick. She had developed a rash, felt achy all over, and experienced stabbing pain behind her eyes. Jane's pounding headache soon turned into a high fever. When she felt so ill she was unable to get out of bed, Jane decided to check herself into the hospital. What was making her so horribly sick?



From a distance, a tick can look like a dark speck or a poppy seed.

Ticks can often be found on very soft parts of a person's body,
such as the armpits and inner thighs.

Mystery Illness

When Jane was in the hospital, her condition quickly grew worse. Her lungs filled with fluid, which made breathing difficult. Other **organs** also began to fail. Jane grew sicker by the hour. Because of the tick bite and rash, one doctor **suspected** that Jane had come down with Rocky Mountain spotted fever (RMSF). This deadly disease is spread by ticks. Luckily for Jane, he was right.



The doctor treated Jane with **antibiotics**. Slowly, she began to recover. Within a couple of weeks, Jane was back on her feet, though she was still feeling weak. As Jane left the hospital, she was tired but very grateful for, "the medical folks who helped me survive my illness." Now, Jane walks her dog Daisy in the park—and always checks herself and her pet for ticks afterward.

RMSF is often
transmitted by
the American dog tick,
which is found mostly in the
southeastern United States.
RMSF is the most common
fatal tick-borne disease in
the country, causing about
15 deaths a year.

Certain kinds of ticks prefer to feed on
certain kinds of animals. The American dog
tick, for example, likes to prey on dogs.