ATIONALGEOGRAPHIC.COM/MAGAZINE

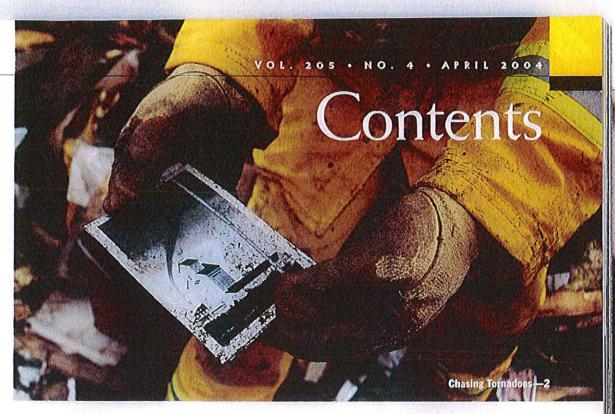
APRIL 2004

NATIONAL GEOGRAPHIC

CHASING THANKALLIST OF S

A TALE OF SCIENCE, GUTS, AND LUCK

Cranes: The Long Way Home 38 Africa's City of Hope and Fear 58 It's All Good in the Badlands 78 Tigers in the "Valley of Death" 98 Worm Capital of the World 118 PLUS Bird Migration Map



FEATURES

- Chasing Tornadoes Stalking the funnel clouds that rip through America's heartland, a National Geographic team gets in close for a terrifying look at the workings of the deadly storms.

 BY PRIIT J. VESILIND PHOTOGRAPHS BY CARSTEN PETER
- **Cranes** Symbols of luck and majesty, cranes have been called "wildness incarnate." But with wildness disappearing and their luck running out, the great birds are getting some help from scientists and self-described "craniacs."

BY JENNIFER ACKERMAN

MAP SUPPLEMENT: BIRD MIGRATION

- Johannesburg Ten years after apartheid, South Africa's boomtown wrestles with new freedoms and new fears. Will Jo'burg overcome its crimes—past and present—to lead Africa into the future?

 BY PETER GODWIN PHOTOGRAPHS BY TOMASZ TOMASZEWSKI
- **Badlands** South Dakota's stark buttes and wind-roiled grasslands are more bountiful than bad, harboring bison, birds, and a hoard of fossils that illegal collectors can't resist.

BY JOHN L. ELIOT PHOTOGRAPHS BY ANNIE GRIFFITHS BELT

Valley of Death In Myanmar's isolated Hukawng Valley the tiger was king of the jungle until poachers and gold miners moved in. Now plans are under way to restore its reign with the largest tiger sanctuary in the world.

BY ALAN RABINOWITZ PHOTOGRAPHS BY STEVE WINTER

The "prettiest village in Maine" has great lobster rolls, but Wiscasset's real specialty is foot-long worms.

BY CATHY NEWMAN PHOTOGRAPHS BY JOSÉ AZEL

DEPARTMENTS

OnScreen & Online From the Editor Forum Geographica My Seven Do It Yourself Behind the Scenes Who Knew?

Final Edit On Assignment Flashback

THE COVER

An F3 tornado explodes across the South Dakota prairie.

BY CARSTEN PETER

⊕ Cover printed on recycled-content paper

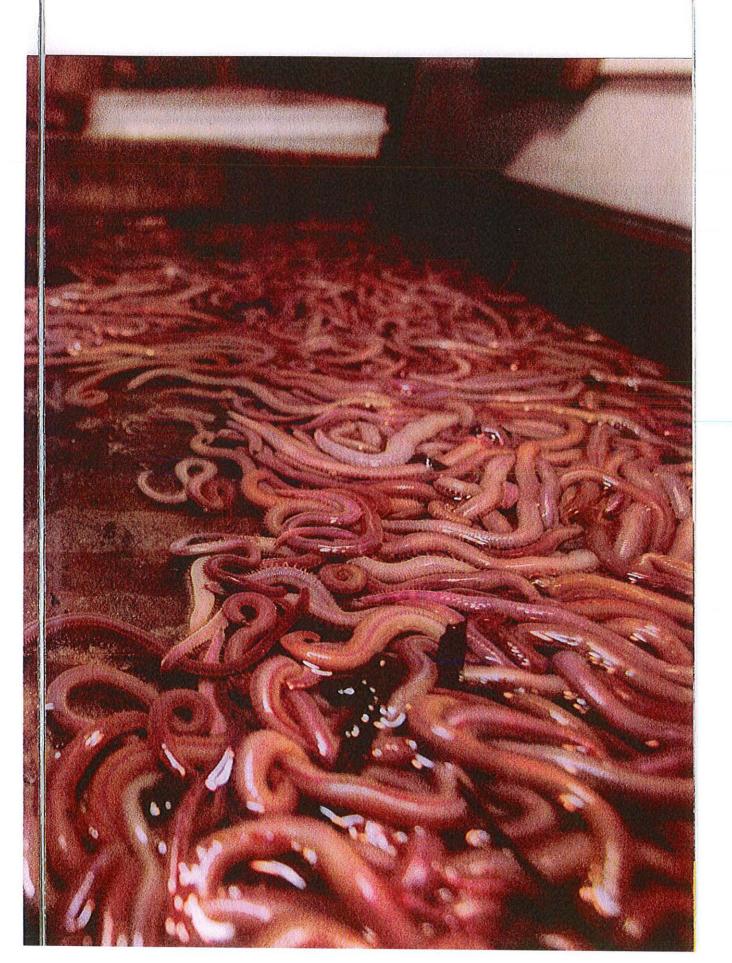
ON THE WEBSITE
nationalgeographic.com/magazine
SIGHTS & SOUNDS Experience
the wild world of tornadoes.
CRANE CAM LIVE Watch the
legendary sandhill migration.
JOHANNESBURG Learn why
this was the photographer's
most dangerous assignment.
WALLPAPER Decorate your
desktop with Badlands photos.

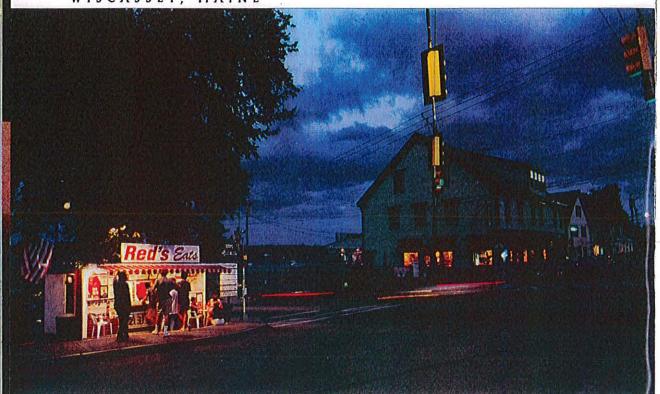
For membership information call 1-800-NGS-LINE (647-5463)

04578 Worm Capital of the World

BY CATHY NEWMAN PHOTOGRAPHS BY JOSÉ AZEL

Worm wrangler Dennis Hill corrals his squirmy stock of bloodworms at Harbor Bait Company before shipping them to sport-fishermen and retailers across the U.S. These slimy carnivores never give Hill the creeps. "Why would they?" he asks.





Worms aren't the first thing you see in the worm capital of the world. Instead, Wiscasset looks like a picture postcard. The best view is from the east, looking across the gray-green marshes of the Sheepscot River to the town, which sits on a hillside. Four white spires lift from the foliage in a tableau of vintage New England. On a roadside sign outside town, Wiscasset calls itself the prettiest village in Maine, but the origin of that sobriquet remains a mystery. "A bit of hubris," observed Chris Cooper, a columnist for the weekly Wiscasset Newspaper. "The sign ought to say: 'We're not a real town yet, but we're getting there.'"

Despite the acid overlay, his remark reflects the exasperation of a parent for an errant child. Wiscasset, like much of the Maine coast, has joined the Realm of Quaint. What once was hardware store, drugstore, and newsstand has become boutiques, antique stores (two dozen, at least), and a gourmet food shop where four and a half ounces of foie gras sells for \$20.

"What we have now is a tourist business," Marguerite Rafter said. Mrs. Rafter, who married into a Wiscasset shipping family now ten generations old, lives in a 200-year-old house within sight and sound of U.S. 1, which also happens to be the town's Main Street. "You are lucky if you go downtown and know *anyone*," she said, as traffic rumbled past her living room window.

So what to do? I asked her contemporary, 86-year-old Jane Tucker.

A descendant of another old Wiscasset family, Miss Tucker until recently lived near the end of High Street, where the mercantile upper crust built their homes in the 1800s. Now a museum, Castle Tucker, as the mansion is known, is an architectural chowder: part federal, part Victorian, with a dash of Scottish castle. Miss Tucker, its steward, has pewter gray hair worn in a soft pageboy and piercing eyes behind big framed

After the dally tidal wave of summer traffic has receded on Main Street, also known as U.S. 1, a handful of vacationers place orders at Red's Eats. Daytime lines can be 75 deep, and last summer owner Al Gagnon served six tons of his legendary lobster rolls.

04578

POPULATION:

4,350

WORM-DIGGING LICENSES (2003): 73 LOBSTER LICENSES (2003): 18 VALUE OF MAINE WORMS (2002): \$8 million

August

PEAK DAILY SUMMER TRAFFIC, MAIN STREET:

About 26,000 cars

glasses. Her answer, like Miss Tucker herself, was direct and unsparing. "What to do? Why, die. Get out of the way," she said.

Wiscasset's claim to worm capital of the world, like its prettiest village status, may not be provable but is certainly believable.

We're talking bloodworms and sandworms here. If you're a bait fisherman, you know exactly what that means. If not, then take it on faith that worms are to a flounder what foie gras is to a Frenchman—a delicacy to die for. A fisherman in California will happily fork over 50 cents a worm for the pleasure of placing a wriggling piece of slime on the hook in hopes of catching The Big One.

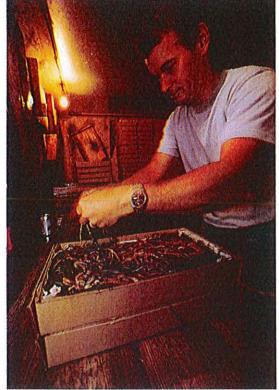
A worm digger works knee-deep in taupe-colored, fetid mud that clings to legs like a drowning man to a buoy. At my behest Doug Schmal, a third-generation digger, took me out on the mudflats. Watch that first step out of the boat. Mine was a disaster. I sank deep in mud, hopelessly stuck. Knowing I could never break loose, I left my boots in the mud, slogged to higher, solid ground, and sat on a

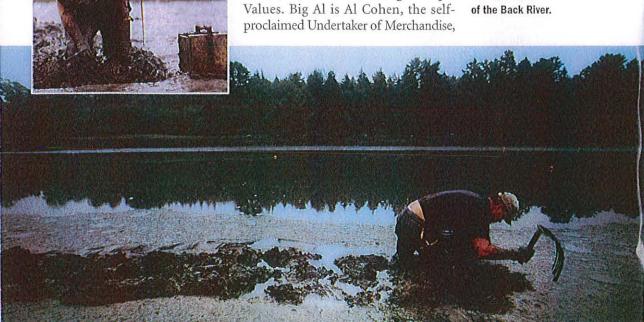
rock while Schmal pulled them out. Then I watched him hack through the muck with his hoe in search of his quarry. Smirk if you like at the idea of digging worms: On a good day Schmal makes \$180 for five hours' work (at 12 cents a sandworm, that adds up to 1,500 worms) and takes the rest of the day off to play golf. Of course there are \$30 days, and, he hastens to add, "I have a hardworking wife who helps support me."

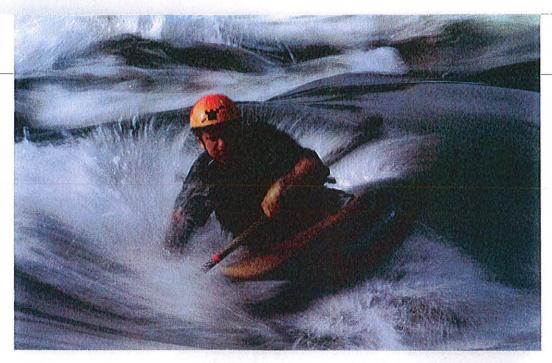
The prime hangout for worm diggers is the Miss Wiscasset Diner

south of town, where U.S. 1 becomes the town's commercial strip. The usual roadside flora prevails: gas stations, motels, a trailer or two, and Big Al's Super Values. Big Al is Al Cohen, the self-proclaimed Undertaker of Merchandise.

David Cronk (above) piles sandworms in his bait cellar, where he pays diggers like childhood pal Doug Schmal (below and left) 12 cents a worm. "It's a backbreaking job, but it gets in your blood," says Schmal, a third-generation digger who toils in the "gooey, sloppy" mudflats of the Back River.







and Wiscasset has never known a bigger booster, even though he is, in local parlance, "from away." Big Al (who at 300 pounds lives up to his name) is from Queens, New York. He immigrated to Maine 16 years ago after being robbed three times in six months.

"There are people who decorate their house in Modern Big Al's and Antique Salvation Army," Al said, showing me his merchandise, which consists of manufacturers' overstocks and odd-lot leftovers from catalog houses. He picked up a plastic bird from a bin. "Don't You Know You Need One Of These?" he said in his TV voice. (Big Al stars in his own television commercials.)

"Is it an ostrich?" I asked.

"Not an ostrich," he corrected. "Here they should know from ostriches? This is a Lawn Bird." He picked up a ceramic bowl and offered another marketing lesson. "In some places this is a pasta dish." It was one of a huge lot of bowls that didn't sell-at first. "Then I called them chowdah bowls. Now I sell 230 cases a year." That's Yankee ingenuity by way of Queens for you.

We moved on. "And Don't You Need One Of These?" he boomed, lifting a coffee mug shaped like a cow's hindquarters.

A woman in the adjacent aisle pricked up her ears and headed our way. "Get it before it's gone," he said.

She practically broke into a run.

"Life's been good to you?" I asked him.

"Can't complain. I won the lottery," he said, by which he meant the jackpot in the lottery of life. "I came to Maine."

I stopped by the counter to choose my Free Gift (Big Al has the Only Free Gift Bar In Maine!) and couldn't decide between a ring made of indeterminate metal with LOVE on it, or one with a peace sign.

"Take both," said Big Al.

Why not? I should get it before it's gone. □

Four miles upriver from town a freestyle kayaker surfs the onrushing tide at Sheepscot Reversing Falls. "It's a balancing act, like riding a bucking bronco," says river guide "Dutch" Holland, who has the scars to prove it. "Wiscasset is very much tied to the water. Everybody lives by a tide chart here."

WEBSITE EXCLUSIVE Find more 04578 images along with field notes and resources at nationalgeographic.com/magazine/0404. Tell us why we should cover YOUR FAVORITE ZIP CODE at nationalgeographic.com/magazine/zipcode/0404.