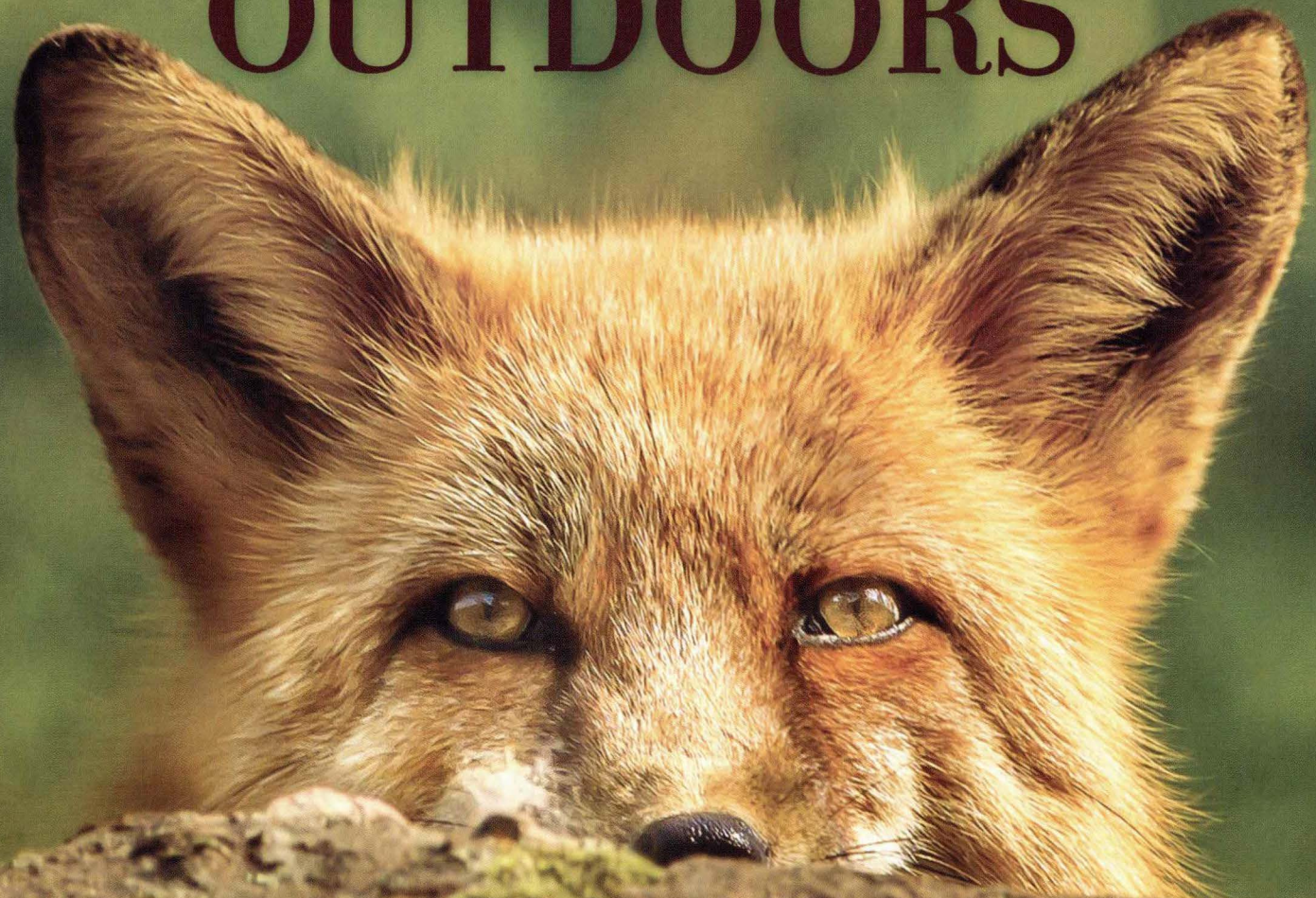


WINTER 2018

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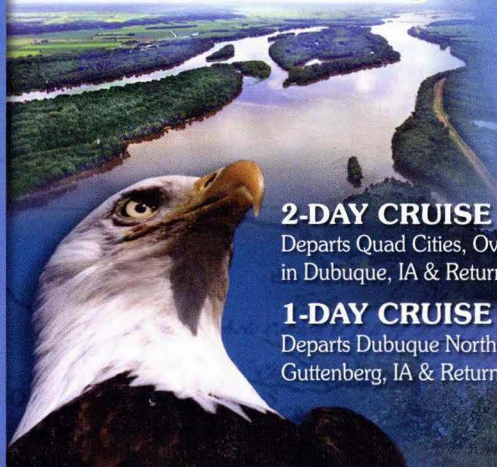
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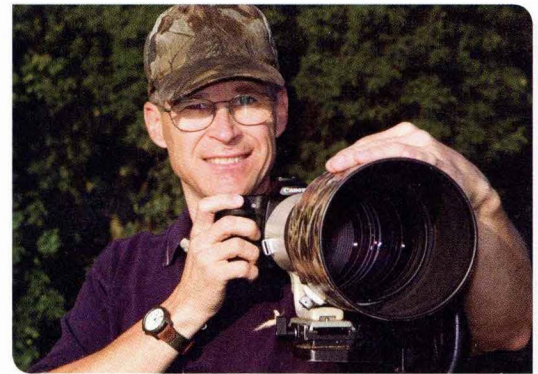
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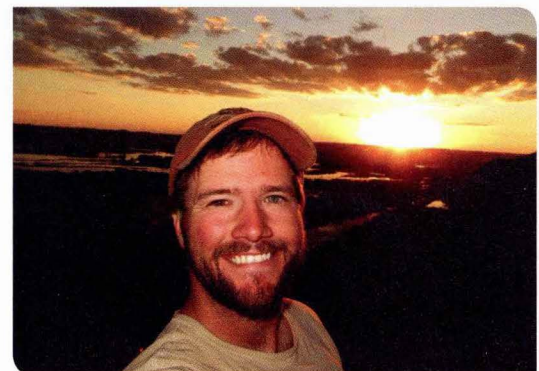
Contributors



STAN BUMAN has experienced many spectacular wildlife events through photos across the nation, but focuses in his home state of Iowa. Nature inspires, thrills and rejuvenates him. Stan is also part owner of Agren, Inc., an agricultural and environmental consulting firm and also owns Fenceline Photos. He lives in Carroll.



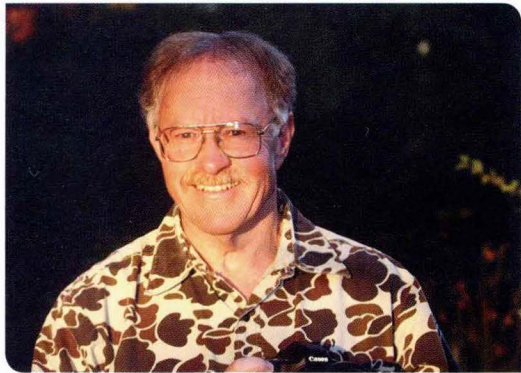
ERIC WILLIAMSON of central Iowa specializes in wildlife and outdoor photography. He started early with his parents' Canon 35mm equipment. Eric progressed into videography at age 13 and digital photography at age 16. He holds a degree in professional audio/video. See his online gallery and workshop opportunities by searching shuttertrax on Facebook.



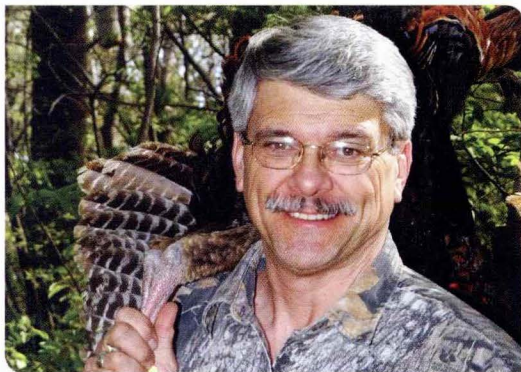
BRIAN GIBBS, a former Clayton County naturalist, has been addicted to wild places ever since his father first took him trout fishing in Yellow River State Forest. His passion for teaching others about enjoying and conserving natural beauty led him to work in Glacier National Park and Effigy Mounds National Monument. He is program director for the University of Wisconsin-Stevens Point Treehaven Field Station. briangibbs2671@gmail.com

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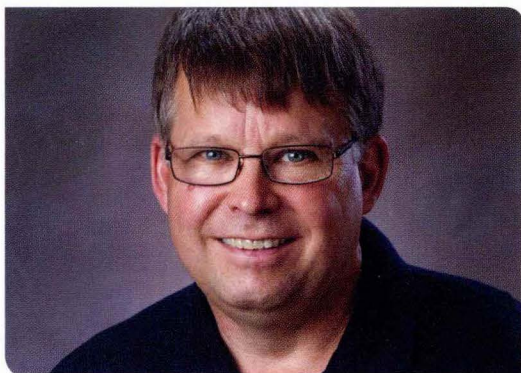
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TY SMEDES is a full-time writer and photographer from Urbandale. Published in dozens of magazines, his work includes images of wildlife, wildflowers and scenics. He teaches photography classes and leads photo tours to the Sierras and Africa. His book, *The Return of Iowa's Bald Eagles*, is sold at iowan.com or 1-877-899-9977 ext 211.



LOWELL WASHBURN began photographing birds at age 10. Known for images of waterfowl and wetland wildlife, his photos are obtained after spending hours in a marshland, half submerged within a floating muskrat house blind. After service during the Vietnam War, he returned to Clear Lake in 1970. His photos and writing have appeared in over 50 magazines including *Outdoor Life*, *International Wildlife*, *Field&Stream*, and *Ducks Unlimited*. He was a regular in the *Iowa Conservationist* and *Iowa Outdoors* as a DNR staff writer and photographer from 1984 until retiring in 2010.



BOB BUMAN of Breda started photography in 1979 for enjoyment and relaxation. At first, he focused on flower and insect photography. In the last 10 years, he has focused on improving his skills of recognizing and capturing great digital landscapes. He has photographed flowers, insects, and landscapes across the north central and western states. Photography allows him to be

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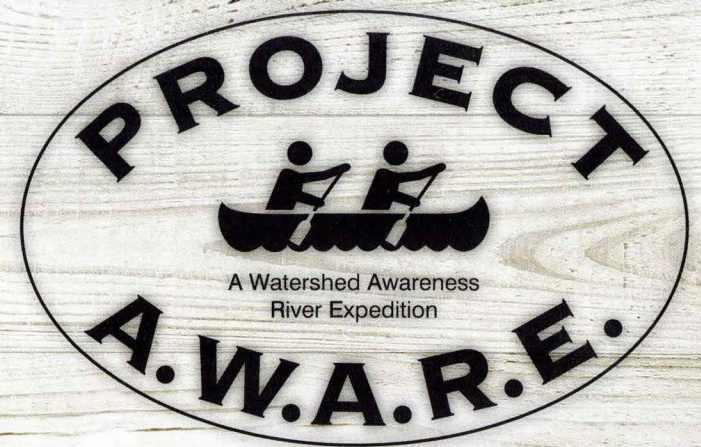
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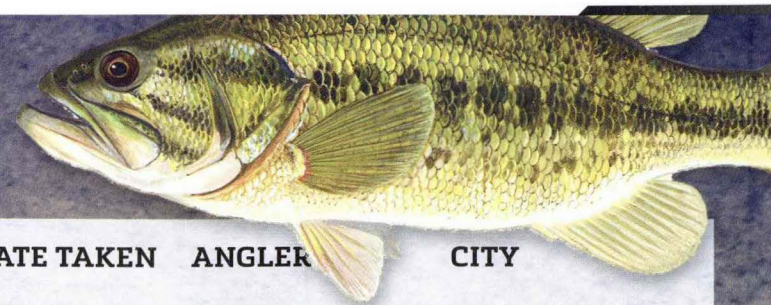
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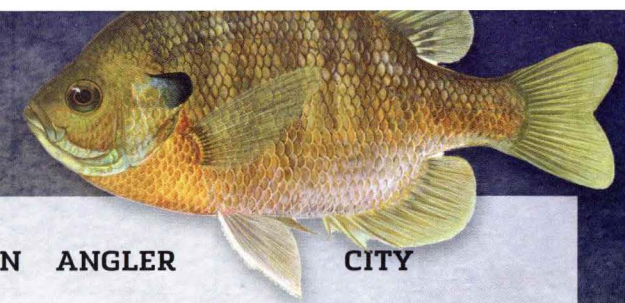
State Record Fish



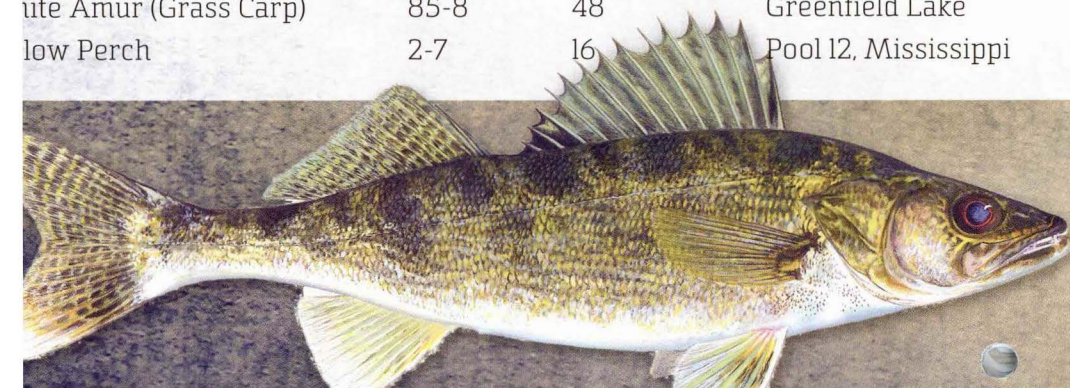
SPECIES	WEIGHT (LBS.-OZ.)	LENGTH (IN.)	WATERBODY	COUNTY	DATE TAKEN	ANGLER	CITY
Bass (Largemouth)	10-12	23.5	Lake Fisher	Davis	5/1/1984	Patricia Zar	Davenport
Bass (Ocean Striped)	9-4	29	Rathbun Reservoir	Appanoose	7/1/1983	Richard Pauley	Centerville
Bass (Rock)	1-8	10.5	Pool 11, Mississippi	Dubuque	6/1/1973	Jim Driscoll	Dubuque
Bass (Smallmouth)	7-12	22.75	West Okoboji Lake	Dickinson	9/1/1990	Rick Gray	Dickinson
Bass (Spotted)	2-0	16.0	Coralville Reservoir	Johnson	5/7/2013	James Steffen	Solon
Bass (White)	4-3	18.7	Big Spirit Lake	Dickinson	5/7/2011	Josh Zylstra	Laurens
Bass (Wiper)	19-10	33	Saylorville Reservoir	Polk	8/29/2005	Youa Lovan	Des Moines
Bass (Yellow)	1-9	12.7	Siems County Park	Kossuth	2/14/2015	Justin Friedrich	Algona
Bass (Yellow)	1-9	14.5	Lake Manawa	Pottawattamie	4/1/1991	Bill Campbell	Council Bluffs
Bass (Yellow)	1-9	13.5	Lake Anita	Cass	5/1/2000	Michael Gradick	Underwood
Bowfin/Dogfish	11-9	31.5	Pool 10, Mississippi	Clayton	5/1/1994	Bill Greten	Blue Grass
Buffalo (Bigmouth)	64-6	41.5	Lake Manawa	Pottawattamie	4/18/2007	Ronald Anderson	Omaha, NE
Buffalo (Black)	63-6	48.5	Pool 9, Mississippi	Allamakee	8/14/1999	Jim Winters	Jesup
Buffalo (Smallmouth)	13-4	32	Missouri River	Harrison	5/31/2018	Sahra Watts	Modale
Bluehead (Black)	5-8	22	Farm Pond	Hamilton	6/1/1986	Michael Hurd	Ellsworth
Bluehead (Brown)	1-4	12.5	Pool 9, Mississippi	Allamakee	8/24/2015	Dick Newcomer	Harpers Ferry
Bluehead (Yellow)	2-6	15.2	Little River Watershed Lake	Decatur	9/28/2018	Troy Dibbern	Wilton
Crappie (Bighead)	112	60	Des Moines River	Wapello	5/28/2018	Randy Conover	Eldon
Crappie (Common)	50	44	Glenwood Lake	Mills	4/1/1969	Fred Hougland	Glenwood
Crappie (Grass)	67-0	48.5	Viking Lake	Montgomery	7/8/2006	Mike Miller	Council Bluffs
Crappie (Silver)	62	49	Des Moines River	Wapello	6/2/2018	Billie Summers	Ottumwa
Catfish (Blue)	101-0	53	Missouri River	Mills	6/8/2004	Mike Rush	Bellevue, NE
Catfish (Channel)	38-2	40	Missouri River	Pottawattamie	6/11/2005	Dustin Curtis	Omaha, NE
Catfish (Flathead)	81-0	52	Ellis Lake	Lucas	6/1/1958	Joe Baze	Chariton
Crappie (Black)	3-14	18	Three Mile Lake	Union	6/5/2013	Dale Klein	Omaha, NE
Crappie (White)	4-9	21.25	Green Castle Lake	Marshall	5/1/1981	Ted Trowbridge	Marshalltown
Crookneck Drum	46-0	38.5	Big Spirit Lake	Dickinson	10/1/1962	R.F. Farran	Clarion
Croaker (Longnose)	20-13	57.25	Pool 13, Mississippi	Jackson	7/19/2014	Doug Griebel	Bellevue
Croaker (Shortnose)	7-2	34	Roberts Creek Lake	Marion	4/9/2012	Pat Antelman	Altoona
Walleye	2-15	20	Pool 10, Mississippi	Clayton	8/20/2004	Scott Kinhead	Central City



State Record Fish *(continued)*



SPECIES	WEIGHT (LBS.-OZ.)	LENGTH (IN.)	WATERBODY	COUNTY	DATE TAKEN	ANGLER	CITY
Bronzeeye	1-8	16	Pool 9, Mississippi	Allamakee	10/23/2016	Tricia Steines	Springbrook
Rock Bass	50-6	52	Big Spirit Lake	Dickinson	8/21/2000	Kevin Cardwell	Spirit Lake
Rock Bass (Tiger)	27-2	47	West Okoboji Lake	Dickinson	8/1/1989	Shannon Green	Spencer
Northern Pike	25-5	45	West Okoboji Lake	Dickinson	2/1/1977	Allen Forsberg	Albert City
Rock Bass	107-0	69.5	Missouri River	Pottawattamie	3/1/1981	Robert Pranschke	Onawa
Rock Bass (Golden)	1-94	17	Des Moines River	Webster	10/29/2016	Ashley Robell	Fort Dodge
Rock Bass (Greater)	5-98	23	Cedar River	Floyd	8/30/2017	Dereck Jacobsen	Fremont, NE
Rock Bass (Shorthead)	2-68	18	Des Moines River	Webster	10/28/2016	Brandon Stewart-Mitchell	Fort Dodge
Rock Bass (Silver)	8-54	27	Wapsipinicon River	Jones	4/24/2018	George Paulson	Springville
Rock Bass	6-8	25	Missouri River	Pottawattamie	10/1/1976	Mrs. W. Buser	Sloan
Rock Bass	12-4	29.5	Des Moines River	Polk	3/1/2000	Don Ostergaard	Des Moines
Rock Bass (Shovelnose)	12-0	33	Des Moines River	Van Buren	4/1/1974	Randy Hemm	Douds
Rock Bass (Blue)	15-6	33.25	Iowa River	Johnson	4/11/2011	Steven Jones	Iowa City
Rock Bass (Northern Hogsucker)	1-6	15	Des Moines River	Webster	10/22/2016	Ashley Robell	Fort Dodge
Rock Bass (White)	5-06	21.3	Otter Creek	Osceola	3/22/2016	Austin Steffen	Sibley
Rock Bass (Bluegill)	3-2	12.88	Farm Pond	Madison	7/1/1986	Phil Algreen	Earlham
Rock Bass (Green)	2-1	12.5	Farm Pond	Marion	7/29/2000	Ralph Mayer	Knoxville
Rock Bass (Pumpkinseed)	14.4 oz.	10	Farm Pond	Pottawattamie	7/6/2016	John Perkins	Council Bluffs
Rock Bass (Redear)	2-5	12.8	Farm Pond	Van Buren	10/19/18	Elijah Parrett	Bettendorf
Rock Bass (Warmouth)	1-13	10.75	Farm Pond	Taylor	5/12/2018	Celsey Rynearson	Milo
Rock Bass (Brook)	7-0	19.75	Fountain Springs	Delaware	7/1/1996	Doug Korvarik	Marion
Rock Bass (Brown)	15-6	29	North Prairie Lake	Black Hawk	6/1/1995	Gerold Lewis	Gladbrook
Rock Bass (Rainbow)	19-8	35	French Creek	Allamakee	7/1/1984	Jack Renner	Waterloo
Rock Bass	14-8	30.5	Des Moines River	Polk	9/1/1986	Gloria Eoriatti	Ankeny
White Amur (Grass Carp)	85-8	48	Greenfield Lake	Adair	5/1/2007	Jesse Lane	Greenfield
Rock Bass	2-7	16	Pool 12, Mississippi	Dubuque	3/13/2012	Travis Peterson	Dubuque





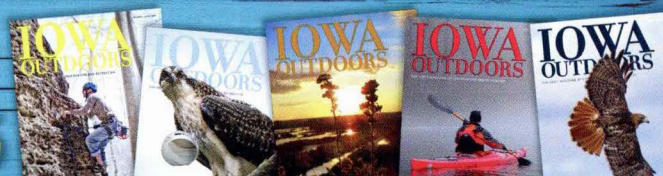




DECEMBER

2018

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DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																											
	<p>Once aplenty, by the late 1800s, deer were rarely seen across Iowa due to exploitation by settlers for food and hides. In 1898 the deer season was closed, not reopening until 1953. While some severe winters have harmed the population, Iowa rarely faces snow depths above 12 inches for prolonged periods, allowing deer to emerge winter in excellent health.</p> <p>BY STAN BUMAN</p>		<p>Give Iowa Outdoors as a holiday gift—order at iowaoutdoorsmagazine.com.</p>			<p>First shotgun deer season opens</p>																																											
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Hanukkah begins			First shotgun deer season closes		Pearl Harbor Remembrance Day	Second shotgun deer season begins																																											
9	10	11	12	13	14	15																																											
Hanukkah ends				Geminid meteor shower peaks Dec. 13-14 with up to 120 meteors per hour	Christmas Bird Count through Jan. 5; audubon.org	2019 hunting and fishing licenses go on sale																																											
16	17	18	19	20	21	22																																											
Late split deer and fall turkey bow season closes	Late muzzleloader deer season begins				Winter solstice—first day of winter																																												
23	24	25	26	27	28	29																																											
Nonresident antlerless deer holiday season, Dec. 24 – Jan. 2.	Christmas		Ring in the New Year at Honey Creek Resort. For event details call 877-677-3344.																																														
30	31	<p>Give a gift magazine subscription!</p> <p>Only \$15</p> 			<p>NOVEMBER</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td></tr> </table>		S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
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JANUARY

2019

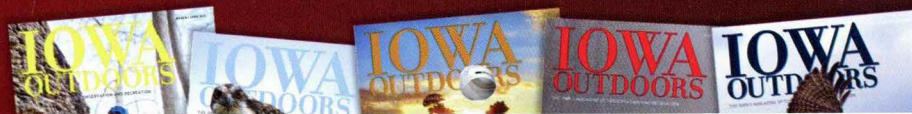
IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
		New Year's Day	Perihelion—Earth orbit closest to Sun Quadrantids meteor shower peaks Jan. 3-4	Mid-winter bald eagle and migratory bird counts begin		
6	7	8	9	10	11	12
Or bald eagles feeding and open water areas		Fox squirrels begin to mate		2018 hunting and fishing licenses expire Pheasant, late muzzleloader deer, archery deer and archery turkey seasons close		1912 State record low temperature set in Washta, -47° Canada, brant and white-fronted goose season closes in north zone
13	14	15	16	17	18	19
Partial lunar eclipse begins 9:33 p.m. Early 1 a.m. tomorrow		Domestic rainbow trout spawning peaks				Canada, white-fronted and brant goose season closes in south zone.
20	21	22	23	24	25	26
Partial lunar eclipse begins 9:33 p.m. Early 1 a.m. tomorrow	Martin Luther King Jr. Day	Jupiter and Venus appear close together. Look east before sunrise.				Canada, white-fronted and brant goose season closes in Missouri River zone.
27	28	29	30	31		
Quail, partridge, ruffed grouse, squirrel and trapping (excluding beaver) seasons close	Search woods for shed antlers					



Pheasant numbers are up—second highest population in a decade—thanks to milder winters and landowners' use of targeted CRP projects. The season closes Jan. 10.
BY LOWELL WASHBURN

Charitable giving helps support Iowa Outdoors Magazine
To learn more, contact the DNR's Kim Rasler at **515-725-8440**.



DECEMBER 2018

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FEBRUARY

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FEBRUARY 2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
			Great horned owls are on the nest in early February			1934 work began on the Zebulon Pike Lock and Dam in Dubuque
3		4	5	6	7	8
Low temperature tied in Elkader, -47°	Paddlefish season on Missouri and Big Sioux River open until April 30	Bald eagles are staking territories and building nests	Cardinals and chickadees begin singing mating calls		Although ice fishing slows, river fishing is excellent for walleyes in open water below dams	Bobcat mating begins
10		11	12	13	14	15
			1875 Meteor strikes near Amana, leaving 800 pounds of meteorites	Valentine's Day Walleye season closes at end of day on Iowa Great Lakes	Great Backyard Bird Count runs today through the 20th. birdsource.org/gbbc	2010 Earthquake felt in eastern Iowa
17		18	19	20	21	22
	Presidents Day 1909 Wallace Stegner, prominent author and conservation voice, born at Lake Mills		Permanent ice fishing shelters must be removed from state lakes unless deadline is extended	Turkey vultures return when snow melts and carcasses become visible		
24		25	26	27	28	
Presidents for Memorial Day; 1-877-IAPARKS or iowareserveamerica.com			1846 William F. "Buffalo Bill" Cody born near LeClaire	Look westward for Mercury low in the sky just after sunset	Cottontail hunting season ends	
	During winter, numerous eagles from northern states and Canada migrate south to find food, arriving in Iowa during September and becoming more numerous through January, depending on the harshness of the winter. BY ERIC WILLIAMSON					
						



JANUARY							MARCH						
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27	28	29	30	31			24	25	26	27	28	29	30
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MARCH

2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
	<p>An eye-to-eye encounter with a beaver can be a thrill for paddlers anytime of year. If water is open, beavers are active. Weighing up to 60 pounds, these giant rodents can stay submerged for 15 minutes between breaths.</p> <p>BY ERIC WILLIAMSON</p>				1	2																																																																																				
		<p>Iowa income taxes due April 30: Support wildlife—check the Fish and Wildlife Fund box on your tax form</p>			<p>Paddlefish season runs through April 15 on the Mississippi River; additional regulations apply.</p>	<p>Search "camps and workshops" at iowadnr.gov for the spring Becoming an Outdoors Woman weekend, or call 515-725-8200</p>																																																																																				
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<p>grants due May 15, iowareap.com</p>	<p>Look for returning robins and bluebirds</p>	<p>Mardi Gras</p>	<p>Chorus frogs begin singing as soon as ice goes out</p>	<p>Woodcock mating display flights begin</p>	<p>Northern pike netting begins after ice-out on Mississippi River and Iowa Great Lakes</p>	<p>Cottontails may be seen courting—jumping airborne and chasing mates under the moonlight</p>																																																																																				
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<p>Daylight saving time starts</p>	<p>Look for blooming pasque flowers</p>	<p>After ice-out, migratory waterfowl return</p>	<p>Spring tree planting can begin if frost is gone from ground</p>	<p>Owls will be on nestlings</p>	<p>Dogs prohibited on all state-owned game management areas to July 15</p>	<p>Spring peeper frogs may begin calling in eastern and southeast Iowa</p>																																																																																				
17	18	19	20	21	22	23																																																																																				
<p>St. Patrick's Day</p>	<p>In 2012, 34 morel mushrooms found near Keokuk, about a month earlier than expected</p>	<p>Watch for coyote pups in wild areas</p>	<p>Vernal equinox - first day of spring</p>	<p>1961 Iowa Legislature chooses the oak as Iowa's official tree</p>	<p>Listen for gobbling wild turkeys</p>	<p>Take photos of woodland Dutchman's breeches and dogtooth violets in bloom</p>																																																																																				
24	25	26	27	28	29	30																																																																																				
		<p>Beavers begin making scent mounds of piled mud, grass and sticks coated with scent oils near ponds</p>	<p>Reserve campsites for Fourth of July weekend; 1-877-IAPARKS or iowastateparks.reserveamerica.com</p>																																																																																							
31																																																																																										
					<p>FEBRUARY</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			<p>APRIL</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
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<p>Franklin Roosevelt signs Conservation Corps</p>																																																																																										



APRIL 2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 <i>April Fools' Day</i> <i>Deer shed winter coats</i>	2 <i>Running water available in campgrounds around mid-month, after threat of frost gone</i>	3 <i>Hunter safety education classes begin; check out www.iowadnr.gov for dates and locations</i>	4 <i>In April, deer and raccoon spotlight surveys typically begin, as does weekly trout stocking. Full waterfowl migration typically underway.</i>	5  <i>Youth turkey season runs April 5-7</i> <i>Walleye gill-netting underway</i>	6 <i>Prairie Chicken Festival at Kellerton Bird Conservation Area, Ringgold County</i> <i>1982 Iowa's latest subzero temperature recorded, -9°F at Manchester</i>
7 <i>Gosling hatch begins</i>	8 <i>First turkey season runs through April 11</i>	9 <i>Blizzard of 1973 dumps 20.3 inches of snow in eastern Iowa. Gusts of 65 mph create drifts that suffocate over 100,000 cattle and 200,000 domestic turkeys.</i>	10 <i>Look for fox pups in wild areas</i>	11 <i>1954 Iowa Conservation Commission launches first-in-the-nation TV show "Outdoor Shop Talk" produced by staff</i>	12  <i>Second turkey season runs through the 16th</i> <i>1917 Legislation passed today that leads to creation of Iowa's state park system</i>	13 <i>Plant a shade tree on south or west side of home to reduce cooling bills</i>
14 <i>Perseid meteor lights up northern Iowa skies</i>	15 <i>Light goose conservation order ends</i> <i>Federal taxes due</i>	16 <i>Plant native milkweeds for monarchs</i>	17 <i>Third turkey season runs through April 23</i> <i>Eagle hatch begins</i>	18 <i>American toad begins singing</i>	19  <i>Watch water areas for return of shorebirds</i>	20 <i>Around wetlands, look for return of garter snakes from hibernation</i>
21 <i>Easter Sunday</i> <i>Perseid peaks April 22-23</i>	22 <i>49th Earth Day</i> <i>1980 Iowa's earliest official 100° day recorded at Fort Dodge and Waterloo</i>	23 <i>Hike southern Iowa woods for morels</i>	24 <i>Fourth turkey season runs through May 12</i>	25 <i>Pheasants and quail begin nesting</i>	26  <i>Arbor Day</i>	27 <i>Turkeys on nests incubating eggs</i>
28 	29 <i>Catfish begin biting on dead fish in warm, shallow waters</i>	30				

Found across North America, great horned owls have the most diverse diet of all raptors found here. They eat mostly mammals and birds—rabbits, mice, voles, moles, shrews, rats, gophers, chipmunks, squirrels, woodchucks, prairie dogs, bats, skunks, house cats, porcupines, ducks, loons, mergansers, grebes, rails, owls, hawks, crows, ravens, doves, and starlings.
BY ERIC WILLIAMSON

MARCH

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JUNE 2019







DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<p>A mallard duckling. Mallards are the ancestor of nearly all domesticated ducks except the Muscovy duck. The oldest known mallard, a male, was at least 27 years, 7 months old when shot in Arkansas in 2008. He had been banded in Louisiana in 1981.</p> <p>BY ERIC WILLIAMSON</p>	<p>Peak of songbird nesting is June through July</p>	<p>Hérons nesting</p>	<p>DNR biologists begin breeding bird surveys</p>		<p>1833 Iowa Territory opened for settlement</p> <p>Youth Hunter Education Challenge; 563-357-4866 or iowadnr.gov</p>
2		3	4	5	6	7
<p>Private cost-share, conservation grants</p>	<p>1860 Worst tornado in Iowa history kills 141, injures 329 from Hardin to Clinton counties</p>	<p>Ramadan Ends</p> <p>Channel catfish and largemouth bass spawning; fish near riprap with a ball of nightcrawlers for catfish</p>	<p>SCTP State Trap Shooting Championships June 5-9, Cedar Falls, iowadnr.gov/SCTP</p>	<p>Listen for singing bullfrogs and tree frogs</p> <p>Quail and turkeys hatching</p>	<p>Free Fishing Days through Sunday</p> <p>Lewis and Clark Festival June 8-10 at Lewis and Clark State Park in Onawa</p>	<p>Watch urban skies for return of night hawk</p>
9		10	11	12	13	14
<p>Energy and money—conditioners serviced</p>	<p>Jupiter closest Earth and brightest. Use binoculars to see its four brightest moons.</p>	<p>Turtles begin laying eggs</p>		<p>2008 Cedar River at Cedar Rapids shatters previous record floods of 1929 and 1851</p>	<p>Flag Day</p> <p>1998 Official one-day precipitation record set with 13.18-inch rain in Atlantic</p>	<p>SCTP State Clay Shooting Championships June 15-16, site TBD, iowadnr.gov/SCTP</p>
16		17	18	19	20	21
<p>Father's Day</p> <p>Wade and Joliet paddle Mississippi River near Lakes Peak State Park</p>		<p>Canada goose banding begins through early July</p>			<p>Summer solstice—first day of summer</p> <p>SCTP State Skeet Shooting Championships June 21-23, Waukee, iowadnr.gov/SCTP</p>	
23	24	25	26	27	28	29
			<p>Hunting and Conservation Camp (HACC), Butch Olofson Shooting Range, Polk City, ages 12-15, June 26-28, 8 a.m.-5 p.m. 515-795-4000</p>	<p>Make sure to clean boats, trailers and equipment after outings to prevent spread of aquatic nuisance species</p>		
30		<p>Lakes begin to stratify by temperature. In lakes 20 feet deep, a thermocline will form around 10 feet devoid of oxygen below that line. In deeper lakes, the thermocline will be around 15 feet. Fishing below the thermocline is fruitless.</p> <p>TIP: Contour maps and depth finders will help locate the thermocline.</p>				

MAY							JULY							
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26	27	28	29	30	31		28	29	30	31				



JULY 2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
		 <i>July is peak nesting time for goldfinch, the state bird</i>		Independence Day <i>Aphelion—Earth at farthest distance from Sun</i>		
			<i>Cut cooling bills—close curtains on sunny sides of house</i>		<i>Turkey brood survey begins through August</i>	
7	8	9	10	11	12	13
<i>Waste clean-up July 7-12; waprojectaware.org</i>	 <i>Outdoor Journey for Girls Camp near La Porte City, July 9-11, iwinr.com</i> <i>Saturn closest to Earth. See rings and moons with a medium-sized telescope.</i>		<i>Save fuel by checking vehicle tire pressure</i>			<i>Take kids hiking to look for fawns</i>
14	15	16	17	18	19	20
	 <i>Hunting and Conservation Camp (HACC), Butch Olofson Shooting Range, Polk City, ages 12-15, July 15-17. 8 a.m.-5 p.m. 515-795-4000</i>	<i>Dogs allowed back on state-owned game management areas</i>	<i>Hunting and Conservation Camp (HACC), SYC Camp, Clay County, ages 12-15, July 17-19. Overnight camp. 712-260-1036</i>	<i>Low stream flows; catfishing easiest in streams using cheese baits</i>	<i>Check out what's going on at Mines of Spain State Recreation Area, 563-556-0620</i>	<i>Take kids streamwalking</i>
21	22	23	24	25	26	27
	<i>Eighty percent of game fish can be found in 20 percent of a stream; move often to find fish</i>		 <i>2010 Lake Delhi Dam fails on Maquoketa River after 10- to 13-inch rainfall within 24 hours</i>	<i>1936 State record high temperature set in Atlantic and Logan at 117° F.</i>		
					<i>Search prairies for blazing stars in bloom</i>	
28	29	30	31			
	 <i>Hunting and Conservation Camp (HACC), Butch Olofson Shooting Range, Polk City, ages 12-15, July 29-31, 8 a.m.-5 p.m. 515-795-4000</i>		<i>Outdoor Journey for Girls Camp near Madrid, July 31-Aug. 2, iwinr.com</i>			
	<i>Derald W. Dinesen Prairie State Preserve near Harlan in Shelby County. The 20-acre remnant of native tallgrass was purchased by Dinesen in 1943, in recognizing prairies were nearly a thing of the past. BY BOB BUMAN</i>					

JUNE

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AUGUST

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AUGUST 2019

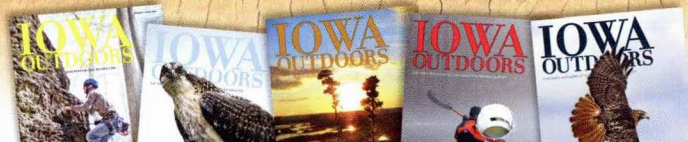
IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
					State Forest Nursery begins accepting seedling orders for spring planting August roadside survey begins Dove and duck banding begins	3
					Search "camps and workshops" at iowadnr.gov for the fall Becoming an Outdoors Woman weekend, or call 515-725-8200	REAP city, county and private grants due Aug. 15, iowareap.com
4	5	6		7	8	9
Flows in large flocks	Watch for muskrats building huts and storing food Hummingbirds prepare for migration by using feeders for the next 3-4 weeks	Shorebirds begin migrating south	Receive a free t-shirt with magazine subscription purchase at the DNR Building during the state fair Aug. 8-18.	Iowa State Fair begins 1915 Last log raft used by the lumber industry seen in Dubuque	Deer start to shed antler velvet; fawns start to lose spots	10
11	12	13		14		15
rides of grasshoppers tested in western Iowa	Perseid meteor shower peaks Aug. 12-13	Locust songs peak during August		Deer tag sales begin	1963 Dutch Elm disease blamed for the deaths of thousands of trees in Iowa	17
18	19	20		21	22	
Iowa State Fair ends		1804 The only death on the Lewis and Clark Expedition occurs in Iowa 1950 Earliest freeze record set across northern Iowa with 30°F in Britt and Sibley	Blue-winged teal and doves congregating for migration			23
25	26	27		28	29	
National Park Service led by U.S. Congress			Pelican migration begins. Watch for flocks on reservoirs and large lakes			30
						31
					REAP education grants due Nov. 1	Rabbit and squirrel seasons open

Painted lady butterflies on rough blazing star and black eyed susan on the Sauk Rail Trail, which runs 33 miles in Carroll and Sac Counties from Swan Lake toward Blackhawk State Park near Lake View.
BY BOB BUMAN

Buy a subscription at the DNR Building at the Iowa State Fair and get a

FREE T-SHIRT



JULY

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SEPTEMBER

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SEPTEMBER

2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
<i>Dove season opens</i>	Labor Day	<i>A magnitude 5.6 Oklahoma earthquake in 2016 is felt across much of Iowa.</i>	<i>1890 The Morrison Electric auto introduced to Iowans in a parade in Des Moines</i>	 <i>REAP education grants due Nov. 1, www.iowareap.com</i>	<i>Take a family outing to view monarchs as they congregate for migration to Mexico</i>	<i>1953 Old Oscar, the 5-foot, 100-plus pound giant lake sturgeon always on display at the Iowa State Fair, dies</i> <i>Fall colors begin in northern Iowa</i>
8	9	10	11	12	13	14
<i>White pine cones ripen Sept. 8-30</i>	<i>Squirrels start cutting acorns from trees</i>		Patriot Day	<i>Take a child to the woods to watch squirrels, bluejays and chipmunks caching acorns</i>	 <i>Wood duck migration begins</i> <i>Neotropical birds start to head south through end of month</i>	
15	16	17	18	19	20	21
<i>1881 Earliest measurable snowfall set with 6-inch snowfall in western Iowa</i>	<i>1950 Ding Darling, famed cartoonist and conservationist, helps open Lake Darling State Park near Washington</i>	<i>1926 Unofficial one-day precipitation record set with 21.70-inch rain in Boyden</i> <i>Fall colors begin in southern Iowa</i>				 <i>Youth/disabled hunter season for deer begins</i>
22	23	24	25	26	27	28
Autumnal equinox - first day of autumn	<i>First killing frost averages this date in extreme northern Iowa</i>		<i>Clad your kids in buckskin and head to the Fort Atkinson Rendezvous held this weekend in Winneshiak County</i>		<i>1909 Earthquake felt in eastern Iowa</i>	 <i>1953 Iowa's latest official 100°F temperature day with 103°F at Glenwood</i>
29	30					
<i>Peak season camping fees end</i>						



While foxes are members of the dog family and sometimes thought of as carnivores, they are actually omnivorous and will quickly change their diets based on what food is available. Foxes may munch on small game, eggs, fish, frogs, insects, vegetables, grass, berries, fruits and even worms.

BY ERIC WILLIAMSON



AUGUST							OCTOBER						
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OCTOBER

2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5 
		<i>Fall deer and turkey archery season begins</i>		<i>1838 Chief Black Hawk dies at his home in Davis County</i>	<i>Quail form into coveys</i>	<i>Ruffed grouse season opens</i> <i>Bowhunter observation survey begins</i>
6	7	8	9	10	11	12
<i>Red deer season ends</i>		<i>Fall colors peak Oct. 10-20</i>	<i>Compost instead of burning leaves</i>	<i>Save money and energy—use programmable thermostats</i>		<i>Early muzzleloader deer season begins</i> <i>Lacey Keosaqua Scenic Drive Festival this weekend, 319-293-3502</i>
13	14	15	16	17	18	19
<i>Maple trees mid-October until the ground freezes</i>	<i>Columbus Day</i> <i>Fall turkey gun/bow season begins</i>	<i>Campgrounds start shutting water off for the season</i>				<i>First killing frost averages this date in extreme southeast Iowa</i> <i>Youth pheasant season Oct. 19-20</i>
20	21 	22	23	24	25	26
<i>White-tailed deer season closes</i>		<i>Squirrels begin building leaf nests</i>			<i>1949 Effigy Mounds National Monument designated by President Truman</i>	<i>Pheasant and quail seasons begin</i>
27	28	29	30	31		
	<i>1925 Earliest subzero temperature with -5°F at Little Sioux</i>			<i>Halloween</i> <i>1991 Halloween blizzard and ice storm lasts until Nov. 1, leaving 16 inches of snow in northwest Iowa with 60 mph gusts. Catastrophic ice storm from Clarinda to Forest City followed by bitter cold.</i>		
	<i>Morning fog drifts from the Paint Creek Unit of Yellow River State Forest, revealing a mesmerizing display of fall color. This northeast Iowa hideaway is admired for backpacking opportunities and sweeping views.</i> <i>BY BRIAN GIBBS</i>					

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

NOVEMBER

S	M	T	W	T	F	S
						1 2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



NOVEMBER

2019

IOWA
OUTDOORS

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
				Peak flights of duck migration	Turn in poachers to TIP Hotline: 1-800-532-2020 or iowadnr.gov/tip	Furbearer hunting and trapping seasons begin
3		4	5	6	7	8
Light saving time ends		Election Day		Peak of the deer rut begins	Save energy by replacing furnace filter	
10		11	12	13	14	15
Veterans Day 1940 blizzard kills duck hunters along Mississippi River, killing 160 across the Midwest						Leonid meteor shower peaks Nov. 17-18
17	18	19	20	21	22	23
					Give Iowa Outdoors as a holiday gift; order at iowadnr.gov	Take a family outing to watch eagles along rivers
24	25	26	27	28	29	30
Ear close together—bird just after sunset.				Thanksgiving Day		Muskie season closed on all Minnesota border lakes, including the Iowa Great Lakes

Mimicking a landscape that Iowa's first settlers witnessed and American Indians used for thousands of years, bison graze across a hillside of native Loess Hills prairie 20 miles north of Sioux City at The Nature Conservancy's Broken Kettle Grasslands Preserve.

BY TY SMEDES

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

DECEMBER

S	M	T	W	T	F	S
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



DECEMBER 2019

IOWA
OUTDOORS

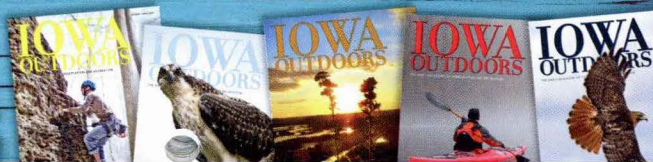
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 	5	6	7
			Give Iowa Outdoors as a holiday gift— order at iowaoutdoorsmagazine.com .		Fall turkey gun/bow season closes Archery only turkey and deer seasons close	Pearl Harbor Remembrance Day First shotgun deer season opens
8	9	10	11 	12	13	14
			First shotgun deer season closes		Geminid meteor shower peaks Dec. 13-14 with up to 120 meteors per hour	Second shotgun deer season begins Christmas Bird Count through Jan. 5; audubon.org
15	16	17	18 	19	20	21
Deer licenses go on sale						Winter solstice—first day of winter
22	23	24	25 	26	27	28
Hanukkah begins Deer season closes	Late split deer and fall turkey bow season reopens Late muzzleloader deer season begins	Nonresident antlerless deer holiday season, Dec. 24 – Jan. 2.	Christmas	Ring in the New Year at Honey Creek Resort. For event details call 877-677-3344.		
29	30	31				
	Hanukkah ends	New Year's Eve				

The allure and majesty of Iowa's big bucks attract wildlife observers, hunters and photographers from near and far.

BY STAN BUMAN

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NOVEMBER

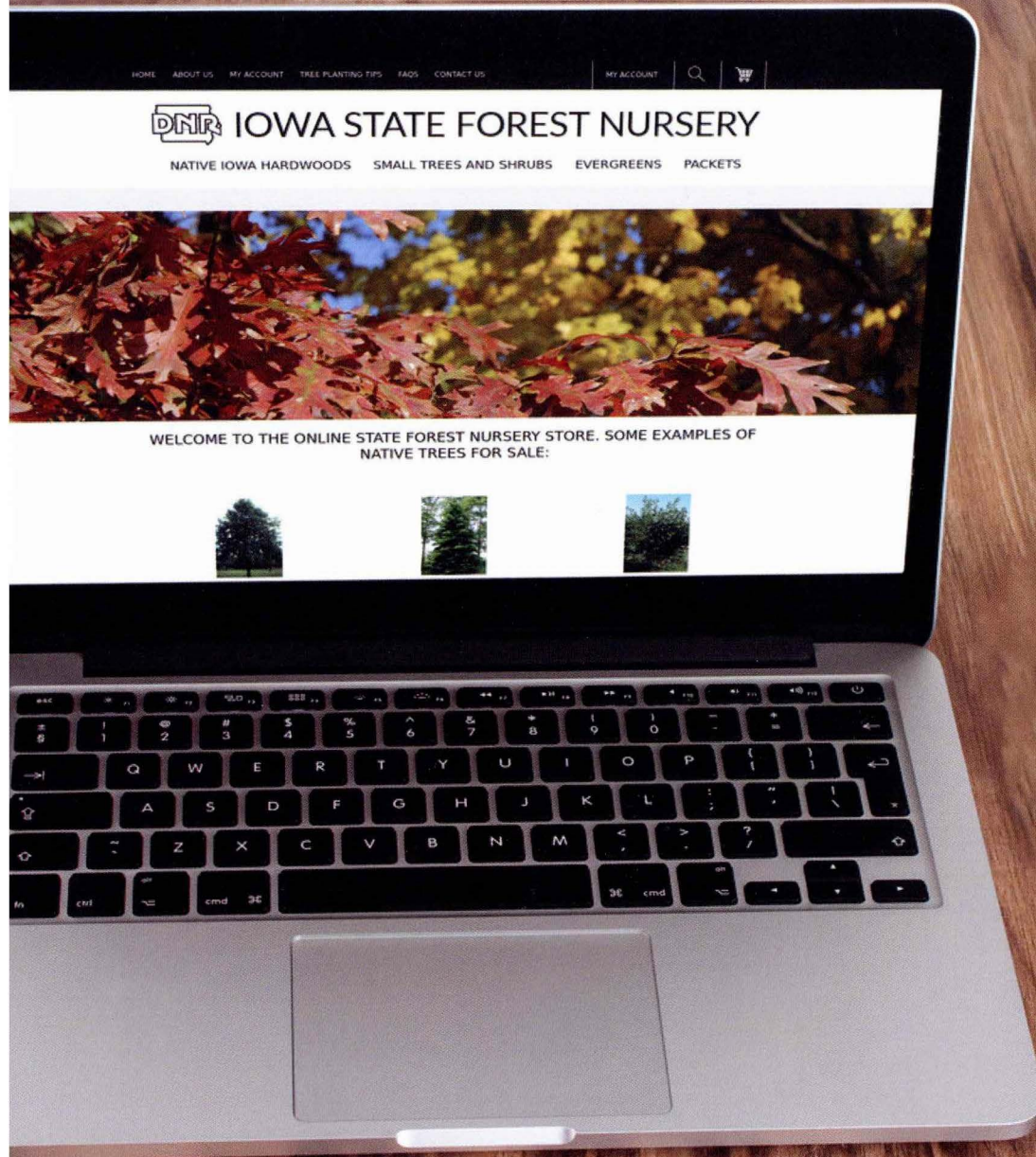
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17	18	19	20	21	22	23
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JANUARY 2020

S	M	T	W	T	F	S
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

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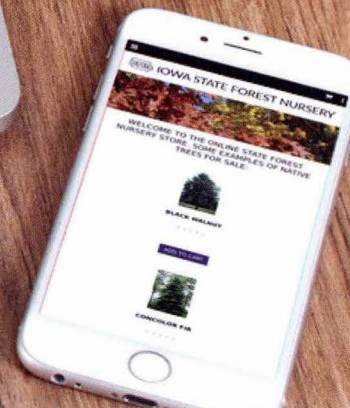
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DECEMBER 2018



JANUARY



FEBRUARY



MARCH



APRIL



MAY



JUNE



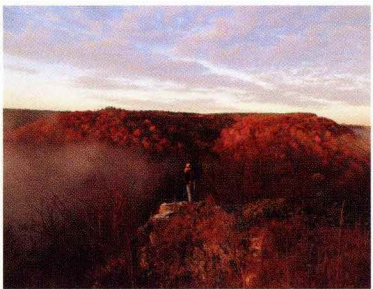
JULY



AUGUST



SEPTEMBER



OCTOBER



NOVEMBER



DECEMBER 2019

IOWA OUTDOORS

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

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NOVEMBER S M T W T F S
3 4 5 6 7 8 9
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17 18 19 20 21 22 23
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JANUARY 2020 S M T W T F S
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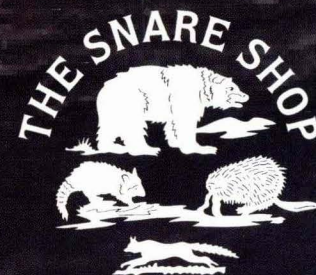
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