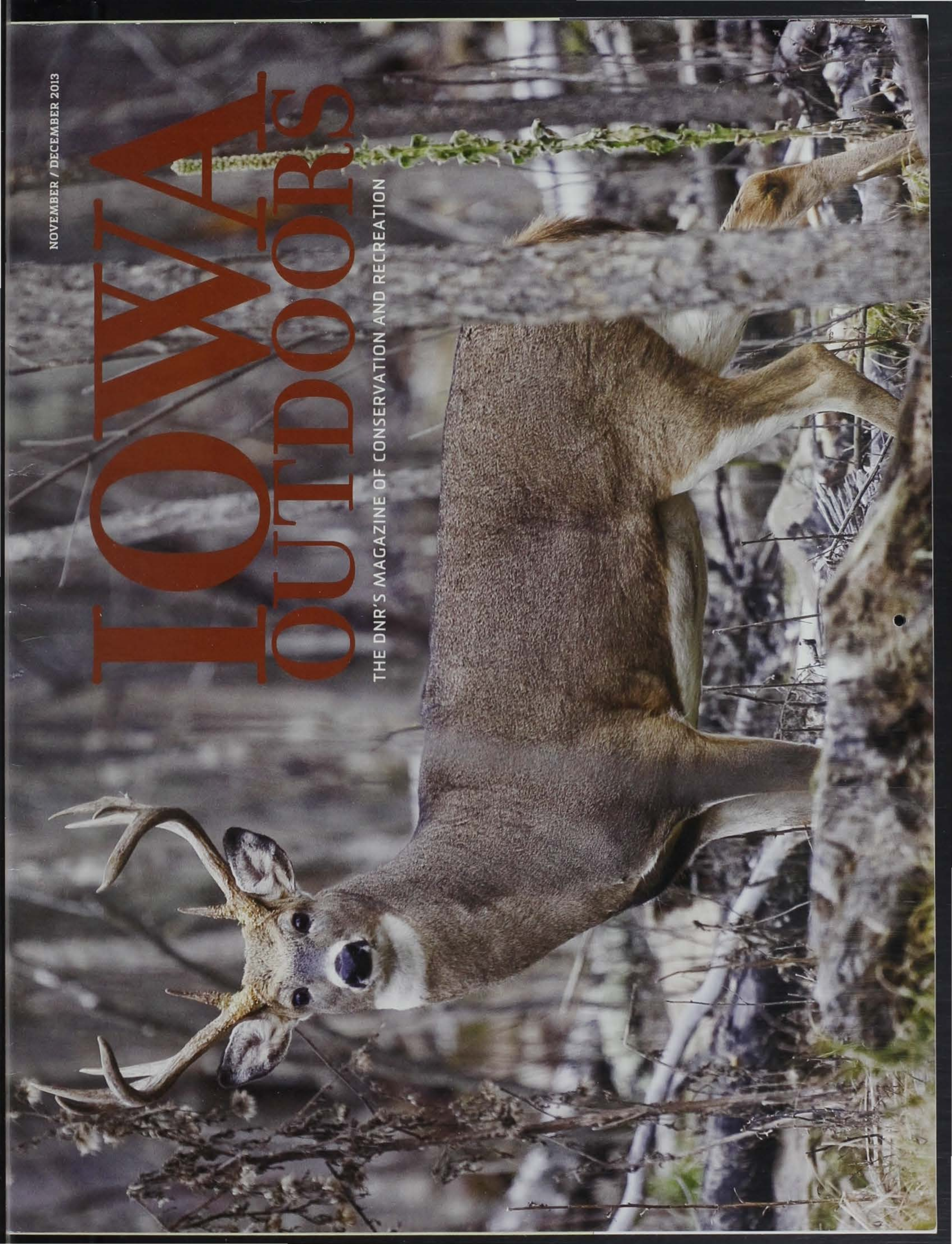


NOVEMBER / DECEMBER 2013

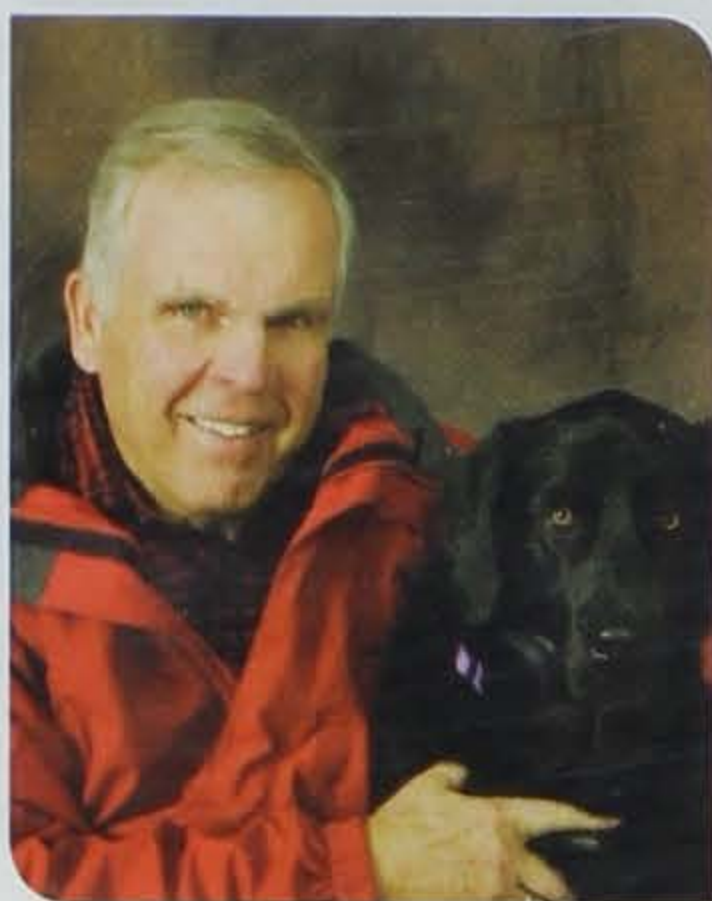
IOWA OUTDOORS

THE DNR'S MAGAZINE OF CONSERVATION AND RECREATION



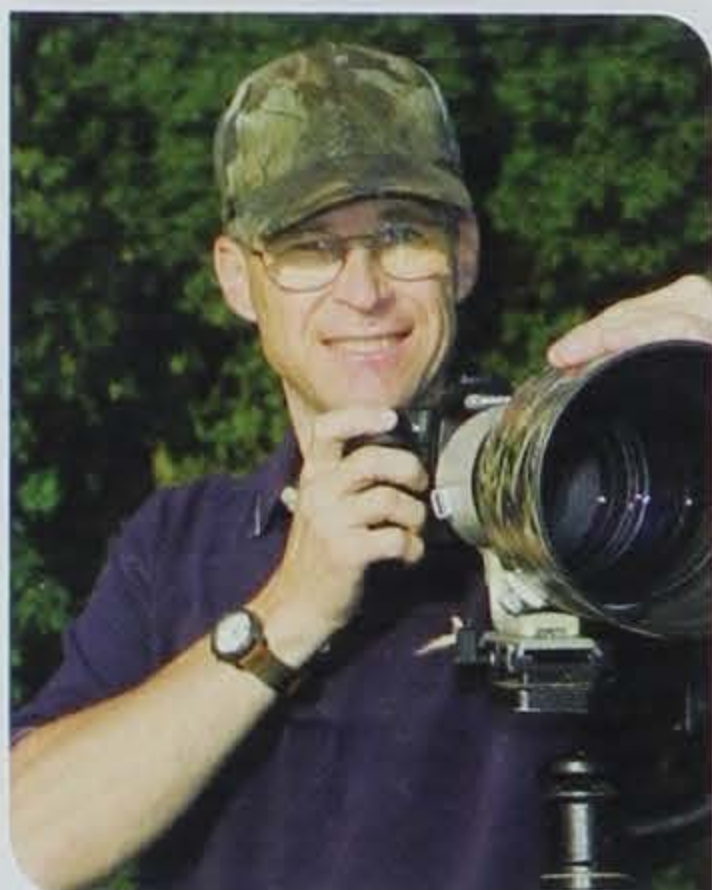
Contributors

CONTINUED FROM PAGE 3



RON HUELSE

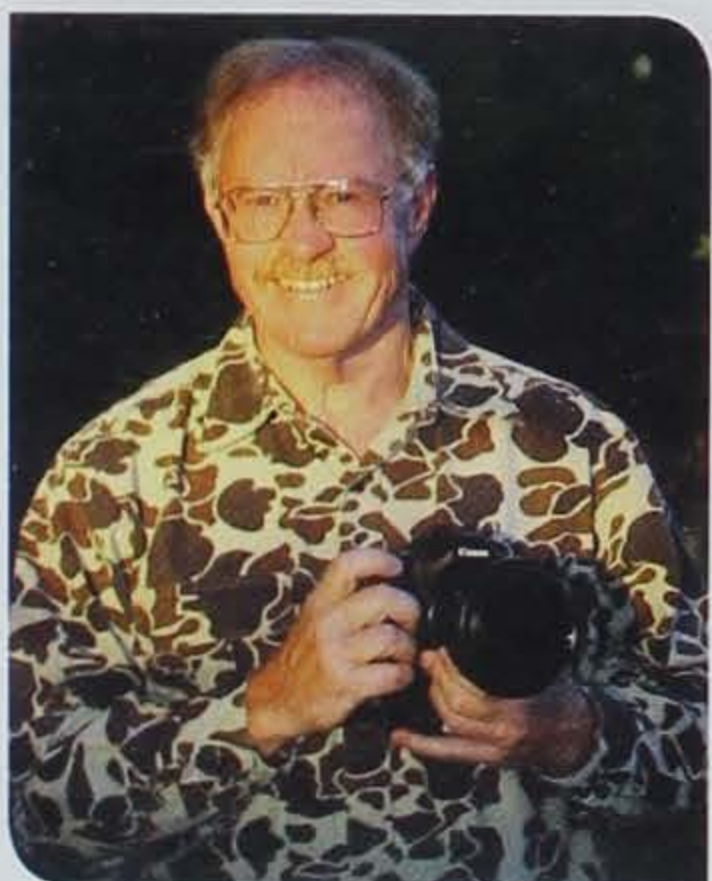
of Knoxville has spent more than 10 years photographing wildlife, insects and birds near Lake Red Rock when not cycling, hiking or volunteering. An avid paddler, he also helps find sponsors to introduce osprey locally and raises awareness of siltation at the reservoir.



STAN BUMAN has experienced many spectacular wildlife events through photos. He has photographed wildlife 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. See more of his work at fencelinephotos.com.



KEN BLOCK, is now a visitor services manager at DeSoto National Wildlife Refuge in western Iowa. This former National Park Service ranger left Grand Canyon National Park for the Effigy Mounds National Monument, where he and his six children often hiked. Beginning his career in Pennsylvania's Valley Forge National Historical Park, Ken maintains a home near Effigy Mounds and says northeast Iowa and the Upper Mississippi River offer some of the country's most stunning scenery.



TY SMEDES is a full-time writer and photographer from Urbandale. Published in more than 25 magazines, his work includes images of wildlife, wildflowers and scenics, along with photography of Iowa's cultural events and attractions. He teaches photography classes and leads photo tours to the Eastern Sierras and Africa. His recent book, *The Return of Iowa's Bald Eagles*, chronicles the raptor's incredible comeback and is sold at iowan.com or 1-877-899-9977 ext 211.

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Keokuk IOWA

a season for all

EAGLE WATCHING

30th Annual
Bald Eagle
Appreciation Days
Jan. 18-19, 2014

*View eagles outdoors,
feeding and roosting along
the banks of the Mississippi
River with spotting scopes
& trained guides.*

**A large concentration of Bald Eagles call
Keokuk their winter home!**

Contact us for
more information
on Eagle viewing
and Bald Eagle
Appreciation Days

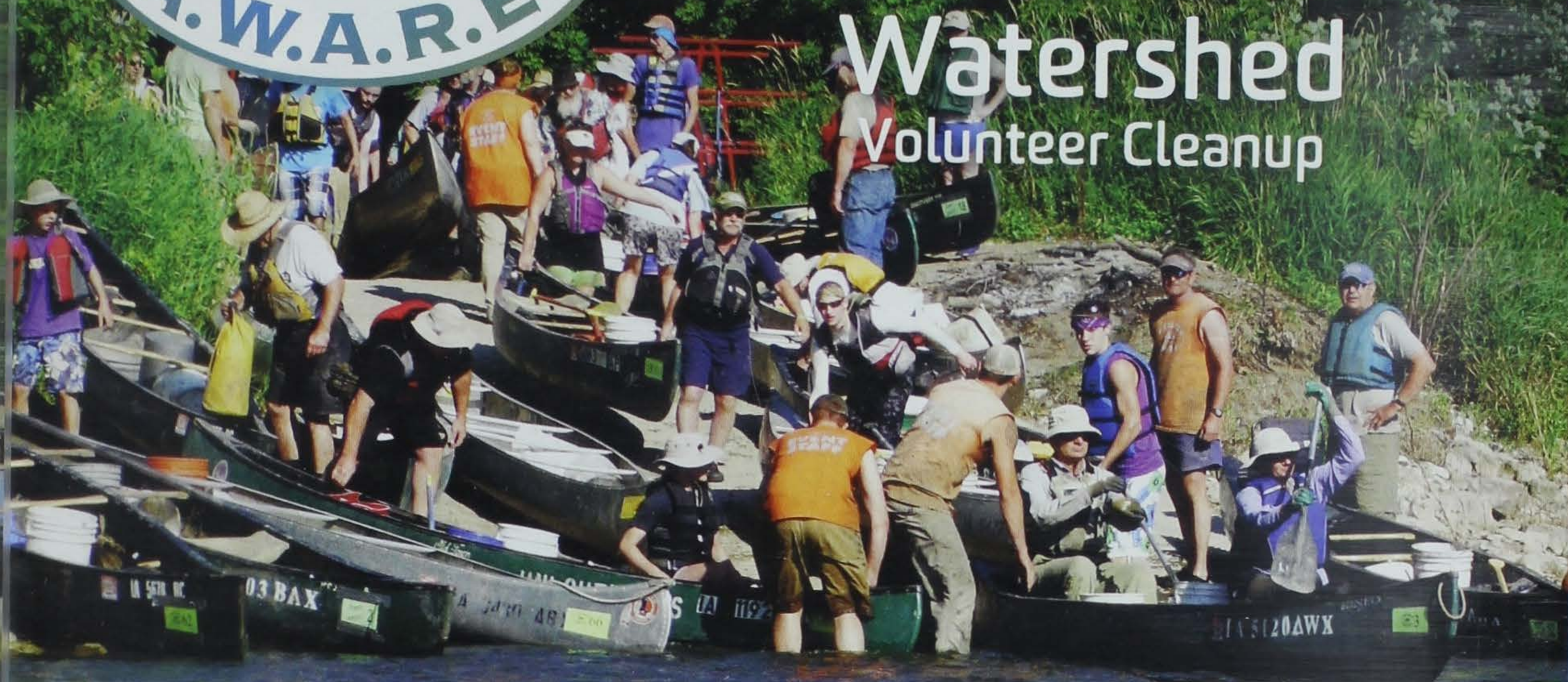
KEOKUK AREA CONVENTION & TOURISM BUREAU
www.KeokukIowaTourism.org
800.383.1219



2013

11th Annual Project AWARE

Des Moines River Watershed Volunteer Cleanup



91 miles on the Des Moines River and Boone River
34 Tons of trash (87% of which was recycled)
92 sponsors • **343** participants

A BIG THANK YOU TO THESE SPONSORS AND TO OUR VOLUNTEERS!
WE COULDN'T DO IT WITHOUT ALL OF YOU!

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December 2013

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 ● <i>Muskie season closed on Iowa Great Lakes</i>	2	3 <i>Give Iowa Outdoors as a holiday gift— order at 1-800-361-8072.</i>	4	5 <i>Duck season closes in north zone Last day of Hanukkah</i>	6 <i>Fall turkey gun/bow season closes Archery only turkey and deer seasons close</i>	7 <i>First shotgun deer season opens Pearl Harbor Remembrance Day</i>
8 ●	9	10 <i>White-fronted goose season closes in north zone</i>	11 <i>First shotgun deer season closes</i>	12 <i>Duck season closes in south zone</i>	13 <i>Geminid meteor shower peaks Dec. 13-14</i>	14 <i>Christmas Bird Count through Jan. 5; audubon.org Second shotgun deer season begins</i>
15 <i>2014 hunting and fishing licenses go on sale.</i>	16	17 ● <i>White-fronted goose season closes in south zone</i>	18	19 <i>Duck season closes in Missouri River zone</i>	20	21 <i>Winter solstice—first day of winter</i>
22 <i>Second shotgun deer season closes</i>	23 <i>Late split deer and fall turkey bow season reopens Late muzzleloader deer season begins</i>	24 <i>Nonresident antlerless deer holiday season, Dec. 24 – Jan. 2. White-fronted goose season closes in Missouri River zone</i>	25 ● <i>Christmas</i>	26	27	28
29	30	31 <i>New Year's Eve Ring in the New Year at Honey Creek Resort. For event details call 877-677-3344.</i>			 <p>ON THE COVER A cautious buck keeps a wary eye during hunting season. —BY TY SMEDES</p>	
 <p>A pair of coyotes on dawn patrol at Elk Rock State Park in Marion County. —BY RON HUELSE</p>						

NOVEMBER 2013

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JANUARY 2014

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IOWA STATE FOREST NURSERY

Our purpose at the state forest nursery is to provide quality, affordable native trees to landowners for timber production, wildlife habitat, erosion control and aesthetics.

Native trees are one of the keys to having a healthy woodland. To improve quality we are continuing to identify additional locations for seed collection from native forests and wildlife areas.

START YOUR NATIVE FOREST TODAY!
ORDERS PLACED BY PHONE OR ONLINE
1-800-865-2477
WWW.IOWATREEPLANTING.COM

Try ordering ONLINE with real time inventory updates! It's easy! Simply create an account with your contact and order information and it will be saved for future orders.

Orders can be placed **August 1 - May 31**.

Please do not send payment at this time.
Some restrictions apply and are listed on our website.

For free tree planting advice, planting plans, and assistance with cost share contact your district forester today for more information.



Name: _____
Address: _____
City: _____
State: _____ Zip: _____
Email: _____
Daytime Phone: _____
Pick up ☐ Ship ☐ | Fall ☐ Spring ☐
Week you would like seedlings: _____
Order Last Year: Yes ☐ No ☐
County where Planted: _____
Alternative Shipping Address Yes ☐ No ☐

HARDWOODS:	SIZES	PRICE PER 100 TREES	QUANTITY /SIZE
Aspen, Quaking	NOT AVAILABLE		
Basswood	NOT AVAILABLE		
Black Cherry	8-16" 17-24"	\$37 \$52	
Black Walnut	8-16" 17-24"	\$40 \$55	
Cottonwood	14" Cutting 12" Rooted Cutting	\$37 \$37	
Hackberry	8-16" 17-24"	\$37 \$52	
Hickory Shagbark	6-12"	\$40	
Hickory Shellbark	6-12"	\$40	
Hybrid Poplar	14" Cutting 12" Rooted Cutting	\$37 \$37	
Hybrid Willow	14" Cutting 12" Rooted Cutting	\$37 \$37	
Kentucky Coffeetree	8-16" 17-24"	\$37 \$52	
Maple, Silver	8-16" 17-24"	\$37 \$52	
Maple, Sugar	8-16" 17-24"	\$37 \$52	
Northern Pecan	8-16" 17-24"	\$40 \$55	
Oak, Black	8-16" 17-24"	\$40 \$55	
Oak, Bur	8-16" 17-24"	\$40 \$55	
Oak, Mixed	8-16" 17-24"	\$40 \$55	
Oak, Pin	8-16" 17-24"	\$40 \$55	
Oak, Red	8-16" 17-24"	\$40 \$55	
Oak, Swamp White	8-16" 17-24"	\$40 \$55	
Oak, White	8-16" 17-24"	\$40 \$55	
River Birch	8-16" 17-24"	\$37 \$52	
Sycamore	8-16" 17-24"	\$37 \$52	

EVERGREENS	SIZES	PRICE PER 100 TREES	QUANTITY /SIZE
Bald Cypress	8-16"	\$25	
Concolor Fir	8-16"	\$25	
Norway Spruce	8-16"	\$25	
White Spruce	8-16"	\$25	
Eastern White Pine	8-16"	\$25	
Jack Pine	8-16"	\$25	
Red Pine	8-16" 17-24"	\$25 \$40	
Scotch Pine	NOT AVAILABLE		

Claims for any cause must be made to the nursery manager and may require a local forester to inspect the tree planting. We give no warranty, expressed or implied, as to the success rate of the seedlings. Claims are handled on a case by case basis.

SMALL TREES AND SHRUBS	SIZES	PRICE PER 100 TREES	QUANTITY /SIZE
Arrowwood	8-16" 17-24"	\$40 \$55	
Black Chokeberry	NOT AVAILABLE		
Buttonbush	NOT AVAILABLE		
Chokecherry	8-16" 17-24"	\$40 \$55	
Dogwood, Gray	8-16" 17-24"	\$37 \$52	
Dogwood, Redosier	17-24"	\$52	
Dogwood, Silky	8-16" 17-24"	\$37 \$52	
Hazelnut	8-16" 17-24"	\$40 \$55	
Highbush Cranberry	8-16" 17-24"	\$40 \$55	
Lilac, Common	8-16"	\$40	
Nannyberry	8-16" 17-24"	\$40 \$55	
Ninebark	8-16" 17-24"	\$40 \$55	
Redbud, American	8-16"	\$40	
Serviceberry	8-16" 17-24"	\$40 \$55	
Wild Plum	8-16" 17-24"	\$40 \$55	

PACKET TYPE	PRICE	QUANTITY
Turkey Packet	\$110	
Pheasant Packet	\$110	
Quail Packet	\$110	
Songbird Packet	\$20	
Create-a-Packet	\$110	1. 2. 3. 4.

Shipping Cost:

8-16" - \$5 per 100	17-24" - \$10 per 100
Out of state orders may require additional shipping charges.	

Fall shipments start the last week in October and spring start the first week in April. We reserve the right to limit the amount of trees shipped per week. Orders must be paid in full before shipping.

Payment: An invoice will be sent by Mail. Payment for fall orders is due by **October 1** and payment for spring orders is due by **March 1**. We accept MasterCard, Visa and Discover over the phone and checks by mail.

Shortages: We do our best to estimate a saleable inventory but due to the nature of a natural product we may run short. We reserve the right to offer you a refund or substitution.

IOWA STATE FOREST NURSERY
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Numbered Plates:

**\$45 to buy
\$25 to renew
\$5 to switch**

Personalized plates:

\$90 to buy, \$30 to renew



January 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
			● 1 New Year's Day Annual New Year's Day paddle below Saylorville Dam, Polk County	2 Fox squirrels begin to mate Quadrantids meteor shower peaks Jan. 2-3	3 Canada goose, brant season closes in north zone	4 Perihelion—Earth at closest orbit to Sun																																																																																				
5 Jupiter at closest approach to Earth. Use binoculars to see Jupiter's four largest moons, which appear as bright dots next to the planet.	6 Look for bald eagles feeding below dams and open water areas	● 7	8	9 2013 hunting and fishing licenses expire tomorrow	10 Pheasant, late muzzleloader deer and archery deer and turkey seasons close Canada goose, brant season closes in south zone	11 January antlerless deer season begins																																																																																				
12 1912 State record low temperature set in Washta, -47° Light goose season closes in north zone	13	14 Domestic rainbow trout spawning peaks	● 15 Mid-winter bald eagle and migratory bird counts begin	16	17 Canada goose, brant season closes in Missouri River zone Light goose season closes in south and Missouri River zones	18 Light goose Conservation Order begins																																																																																				
19 January antlerless deer season closes	20 Martin Luther King Jr. Day	21 Fox and coyote mating season begins (mid- to late January)	22 Registration for DNR hunting and conservation camps begins. iowadnr.gov	● 23	24	25																																																																																				
26	27 Aerial deer survey runs into February	28	29 Search woods for shed antlers	● 30	31 Quail, partridge, ruffed grouse, squirrel and trapping (excluding beaver) seasons close																																																																																					
	Braving the last blizzard of 2013, bison are pelted with high winds and snow. -BY RON HUELSE	<div>30th Annual Bald Eagle Appreciation Days</div> <div>January 18-19, 2014</div> <div>KEOKUKIOWATOURISM.ORG</div> <div>800-383-1219</div> <div>KEOKUK</div> <div>KEOKUK AREA CONVENTION AND TOURISM BUREAU</div>  			<div>DECEMBER 2013</div> <table><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>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</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	31					<div>FEBRUARY</div> <table><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></td><td>1</td></tr><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr><tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr><tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</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	
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February 2014


SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2 <i>1934 work began on the Zebulon Pike Lock and Dam in Dubuque</i> Groundhog Day	3 <i>1996 State record low temperature tied in Elkader, -47°</i>	4 <i>Bald eagles are staking territories and building nests</i>	5 <i>Cardinals and chickadees begin singing mating calls</i>	6 <i>Great horned owls are on the nest in early February</i>	7	8
9 <i>Bobcat mating begins</i>	10 <i>2010 Earthquake felt in eastern Iowa</i>	11	12 <i>1875 Meteor strikes near Amana, leaving 800 pounds of meteorites</i>	13 <i>Great Backyard Bird Count runs tomorrow through the 17th www.birdsource.org/gbbc</i>	14 <i>Murder Mystery Dinner at Honey Creek Resort State Park</i> Valentine's Day	15 <i>Walleye season closed on Iowa Great Lakes</i>
16	17 Presidents Day	18 <i>1909 Wallace Stegner, prominent author and conservation voice, born at Lake Mills</i>	19 <i>Chorus frogs begin singing as soon as ice goes out</i>	20 <i>Permanent ice fishing shelters must be removed from state lakes unless deadline is extended</i>	21 <i>Turkey vultures return when snow melts and carcasses become visible</i>	22
23 <i>Can reserve campsites for Memorial Day weekend; 1-877-IAPARKS or iowastateparks.reserveamerica.com</i>	24 <i>Wild turkey and deer enjoy a sunny morning in Chickasaw County.</i> -BY T. J. SCHNOEBELEN	25 <i>Although ice fishing slows, river fishing is excellent for walleyes in open water below dams</i>	26 <i>1846 William F. "Buffalo Bill" Cody born near LeClaire</i>	27	28	
				<div> <div> JANUARY S M T W T F S 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 </div> <div> MARCH S M T W T F S 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 </div> </div>		





March 2014

IOWA OUTDOORS

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 <p>2</p> <p><i>Look for returning robins and bluebirds</i></p>	<p>3</p> <p><i>Trees cloaked in snow and frost on the Little Turkey River in Fayette County.</i> -BY T. J. SCHNOEBELEN</p>	<p>4</p> <p><i>Mardi Gras</i></p>	<p>5</p> <p><i>REAP education grants due May 15, www.iowareap.com</i></p>	<p>6</p> <p><i>Woodcock mating display flights begin</i></p>	<p>7</p> <p><i>Northern pike netting begins after ice-out on Mississippi River and Iowa Great Lakes</i></p>	<p>1</p> <p><i>Paddlefish season opens on the Mississippi River</i></p>																																																																																				
<p>9</p> <p><i>Owls will be on nestlings</i> Daylight saving time starts</p>	<p>10</p> <p><i>Look for blooming pasque flowers</i></p>	<p>11</p> <p><i>Cottontails may be seen courting—jumping airborne and chasing mates under the moonlight</i></p>	<p>12</p> <p><i>Ash Wednesday</i> <i>Spring peeper frogs may begin calling in eastern and southeast Iowa</i></p>	<p>13</p>	<p>14</p>	<p>8</p>																																																																																				
<p>16</p>	<p>17</p> <p><i>Spring tree planting can begin if frost is gone from ground</i> St. Patrick's Day</p>	<p>18</p> <p><i>In 2012, 34 morel mushrooms found near Keokuk, about a month earlier than expected</i></p>	<p>19</p>	<p>20</p> <p><i>Watch for coyote pups in wild areas</i> Vernal equinox - first day of spring</p>	<p>21</p> <p><i>1961 Iowa Legislature chooses the oak as Iowa's official tree</i> <i>Listen for gobbling wild turkeys</i></p>	<p>22</p> <p><i>Dogs prohibited on all state-owned game management areas through July 15</i> <i>Take photos of woodland Dutchman's breeches and dogtooth violets in bloom</i></p>																																																																																				
<p>23</p>	<p>24</p>	<p>25</p>	<p>26</p> <p><i>Beavers begin making scent mounds of piled mud, grass and sticks coated with scent oils near ponds</i></p>	<p>27</p>	<p>28</p>	<p>29</p>																																																																																				
<p>30</p>	<p>31</p> <p><i>1933 President Franklin Roosevelt signs the bill to create the Civilian Conservation Corps</i></p>	<p><i>After ice-out, migratory waterfowl return</i></p>																																																																																								
<p>FEBRUARY</p> <table> <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></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</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> <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>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</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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April 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
		DNR's deer and raccoon spotlight surveys typically begin Weekly trout stocking begins April Fools' Day	Running water available in campgrounds around mid-month, after threat of frost gone	Full waterfowl migration typically underway	Reserve campsites for Fourth of July weekend; 1-877-IAPARKS or iowastateparks.reserveamerica.com	Youth turkey season runs through April 13 Prairie Chicken Festival at Kellerton Bird Conservation Area, Ringgold County.
6	7	8	9	10	11	12
1982 Iowa's latest subzero temperature recorded, -9°F at Manchester	Walleye gill-netting underway	Safety education classes begin; check out www.iowadnr.gov for dates and locations	Gosling hatch begins this time of year	Turkeys on nests incubating eggs	1954 Iowa Conservation Commission launches first-in-the-nation TV show "Outdoor Shop Talk" produced by staff	
13	14	15	16	17	18	19
	2010 Wisconsin meteor lights up northern Iowa skies Watch water areas for return of shorebirds First turkey season runs through the 17th	Paddlefish season closes on the Mississippi River at end of day Reserve camp sites and cabins; iowastateparks.reserveamerica.com or 1-877-IAPARKS	Deer shed winter coats Eagle hatch begins	Light goose conservation order ends Look for fox pups in wild areas	Second turkey season runs through the 22nd	Lyrids meteor shower peaks April 22-23
20	21	22	23	24	25	26
Easter Sunday American toad begins singing	Hike southern Iowa woods for morels	1980 Iowa's earliest official 100° day recorded at Fort Dodge and Waterloo 44th Earth Day Anniversary	Third turkey season runs through April 29	Save money and reduce emissions—install compact fluorescent lightbulbs	Arbor Day Plant a shade tree on south or west side of home to reduce cooling bills	Around wetlands, look for return of garter snakes from hibernation
27	28	29	30			
	Catfish begin biting on dead fish in warm, shallow waters	Pheasants and quail begin nesting	Fourth turkey season runs through May 18 Iowa income taxes due: Support wildlife—check the Fish and Wildlife Fund box on your tax form			



Hepatica (*Hepatica nobilis*) is an early spring bloomer.
—BY RON HUELSE



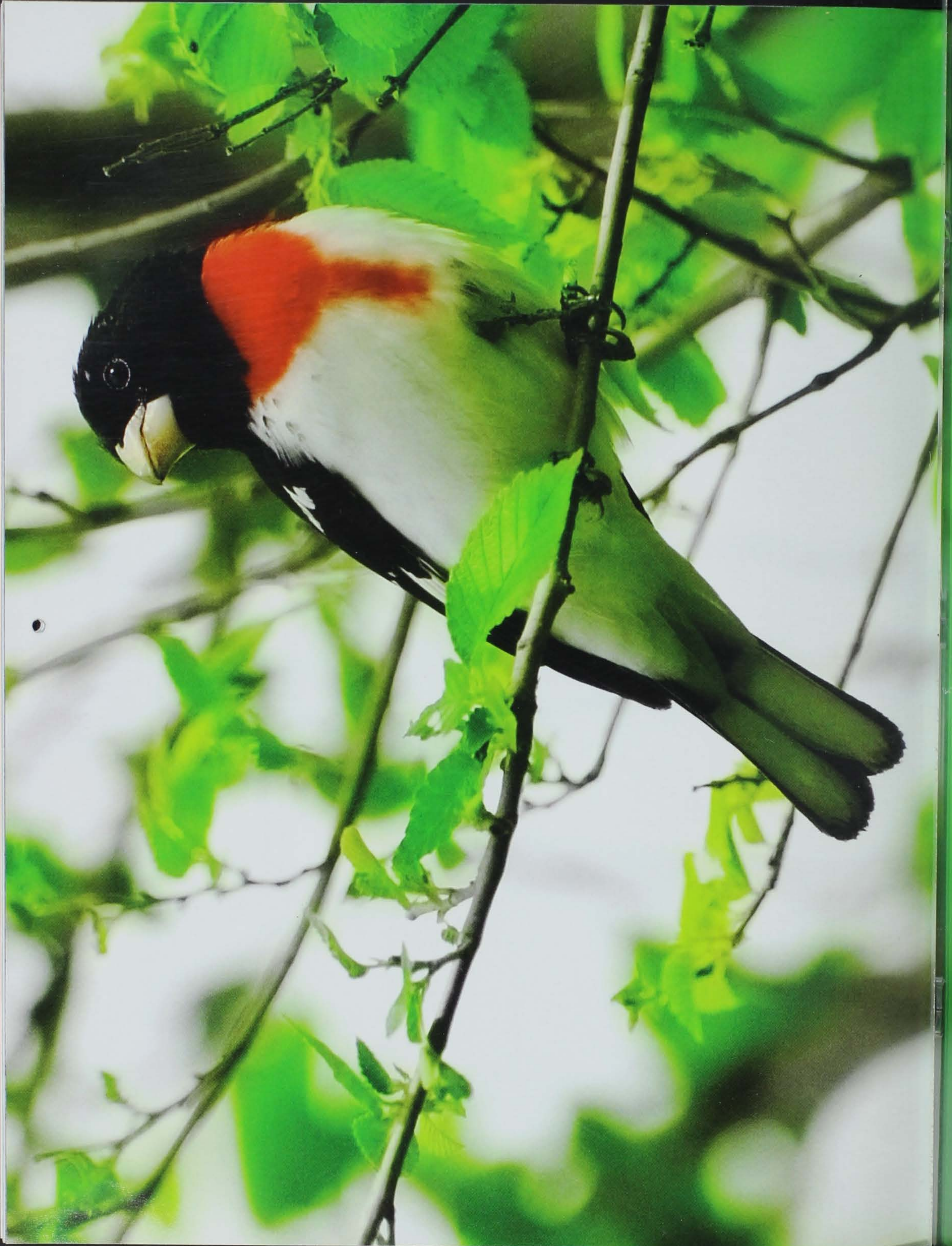
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MARCH









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May 2014

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			Bike to work month— www.bikeiowa.com	Peak camping rates begin; make reservations at 1-877-IAPARKS or iowastateparks.reserveamerica.com	1890 Huge meteorite strikes 11 miles northwest of Forest City	1986 Inaugural convention of the National Rivers Hall of Fame, Dubuque Walleye season opens on Iowa Great Lakes																																																																																																		
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Peak neo-tropical bird migration—including hummingbirds, warblers and orioles—through the month	Cinco de Mayo	Yellow-headed blackbirds arrive	1897 General Assembly chooses wild rose as Iowa's official flower	Register now for Outdoor Journey for Girls at Hickory Hills near Dysart in July 515-281-5918 or iowadnr.gov	Watch water areas for beaver kits	Saturn closest to Earth. Use a medium sized telescope to see rings and moons																																																																																																		
11	12	13	14	15	16	17																																																																																																		
Mother's Day	DNR begins mourning dove surveys	Bluebirds hatch first of two broods	Mourning doves cooing and mating	REAP Conservation Education grants due	Bobolinks return from Argentina	Armed Forces Day																																																																																																		
18	19	20	21	22	23	24																																																																																																		
	Pheasant hatch begins Fawns born through first week of June		Muskie season opens on Iowa Great Lakes	1955 Goldfinch designated Iowa State Bird	Look for fireflies in central and southern Iowa	Red-tailed hawks nesting Look for return of whip-poor-wills																																																																																																		
25	26	27	28	29	30	31																																																																																																		
State Forest Nursery stops taking seedling orders May 31	Memorial Day	Frank Lloyd Wright-designed Cedar Rock house opens for season near Quasqueton	1920 Backbone dedicated as Iowa's first state park 1947 Snow falls over northwest two-thirds of state with 10 inches at Le Mars	1955 Rock Creek Lake near Newton and Green Valley Lake near Creston open to fishing; limits of bass taken in 15 minutes. Almost 5,000 anglers at Green Valley. Can reserve campsites for Labor Day weekend; 1-877-IAPARKS or iowastateparks.reserveamerica.com	Best month to fish for most species. Fish are near shore and spawning. River fishing success depends on water clarity. Fish feeder streams or canals where water is warmer.																																																																																																			
	Look for rose-breasted grosbeaks in woodlands and along forest edges. Overwintering in Central America, they nest in Iowa in the summer. —BY RON HUELSE	 		Stay at the Shore and Explore! www.clearlakeiowa.com 800-469-5253    	<table> <tr><th colspan="7">APRIL</th></tr> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table>	APRIL							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				<table> <tr><th colspan="7">JUNE</th></tr> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	JUNE							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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June 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 <i>1833 Iowa Territory opened for settlement</i>	2 <i>1860 Worst tornado in Iowa history kills 141, injures 329 from Hardin to Clinton counties</i>	3 <i>Hérons nesting Get started on REAP private cost-share grants for city and county conservation</i>	4 <i>DNR biologists begin breeding bird surveys</i>	5 <i>Listen for singing bullfrogs and tree frogs Watch urban skies for return of night hawks</i>	6 <i>Free Fishing Days through Sunday</i>	7
8 <i>Channel catfish and largemouth bass spawning; fish riprap with a ball of night crawlers for catfish</i>	9 <i>Quail and turkeys hatching</i>	10 <i>Turtles begin laying eggs</i>	11 <i>Peak of songbird nesting is June through July</i>	12 <i>Lewis and Clark Festival June 13-15 at Lewis and Clark State Park in Onawa 2008 Cedar River at Cedar Rapids shatters previous record floods in 1929 and 1851</i>	13 <i>1998 Official one-day precipitation record set with 13.18-inch rain in Atlantic</i>	14 <i>Flag Day</i>
15 <i>Father's Day</i>	16 <i>Save energy and money—have air conditioners serviced</i>	17 <i>1673 Marquette and Joliet come to the Mississippi River</i>	18 <i>Outdoor Journey for Girls at Springbrook Conservation Education Center, June 18-20 515-281-5918 or iowadnr.gov</i>	19	20	21 <i>Summer solstice—first day of summer</i>
22	23	24 <i>Canada goose banding begins through early July</i>	25 <i>Hunting and Conservation Camp for boys at Springbrook Conservation Education Center June 25-27, 641-747-8383 or iowadnr.gov</i>	26	27	28
29 <i>Ramadan begins</i>	30					



A weathered public boat dock at Clear Lake in Cerro Gordo County.
—BY BEN CURTIS



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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.

TIP: Contour maps and depth finders will help locate the thermocline

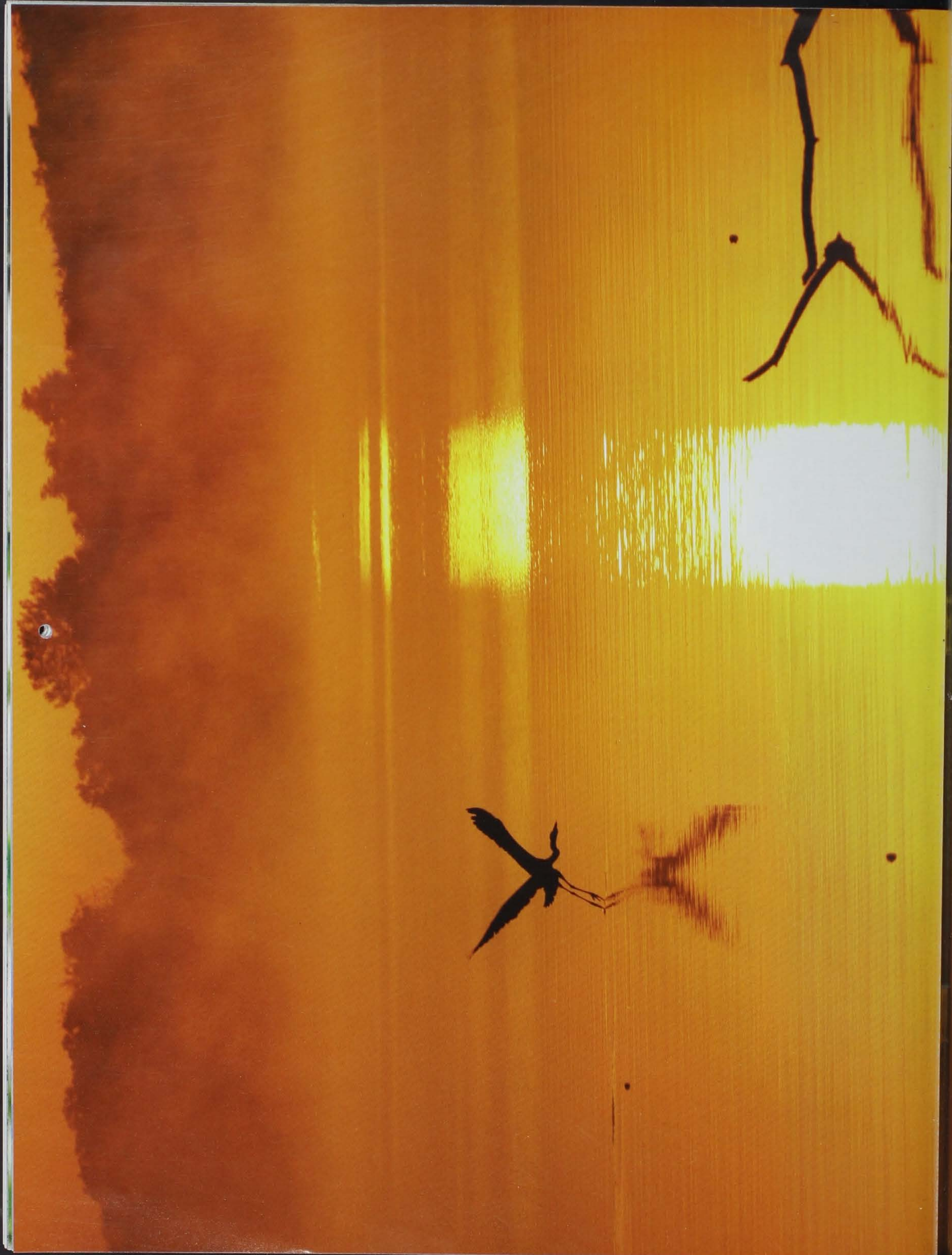
Make sure to clean boats, trailers and equipment after outings to prevent spread of aquatic nuisance species

MAY


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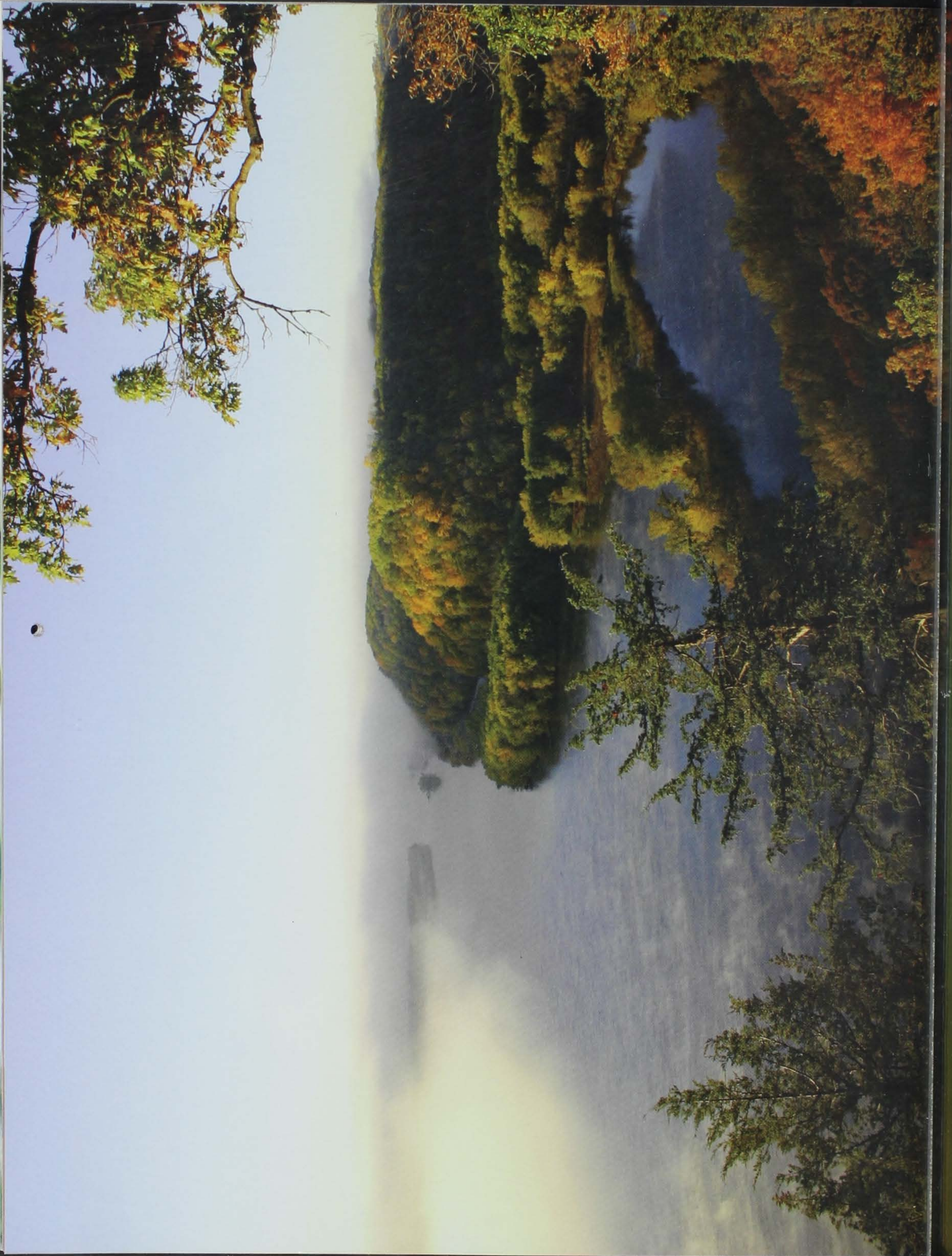
July 2014

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		<i>July is peak nesting time for goldfinch, the state bird</i>	<i>Cut cooling bills—close curtains on sunny sides of house</i>	<i>Aphelion—Earth at farthest distance from Sun</i>	<i>Turkey brood survey begins through August</i> Independence Day	<i>Project AWARE river clean-up; dates and location TBA; iowaprojectaware.com; 515-205-8587</i>																																																																																											
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	<i>American Wilderness Leadership School, Springbrook Conservation Education Center, July 7-11 641-747-8383 or iowadnr.gov</i>		<i>Save fuel by checking vehicle tire pressure</i>			<i>Christmas in July at Backbone State Park in Delaware County</i>																																																																																											
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<i>Take kids hiking to look for fawns</i>			<i>Dogs allowed back on state-owned game management areas</i>		<i>Check out what's going on at Mines of Spain State Recreation Area, 563-556-0620</i>	<i>Christmas in July at Ledges State Park in Boone County</i>																																																																																											
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	<i>Eighty percent of game fish can be found in 20 percent of a stream; move often to find fish</i>		<i>Hunting and Conservation Camp for Boys, Springbrook Conservation Education Center, July 23-25, 641-747-8383 or iowadnr.gov</i>	<i>2010 Lake Delhi Dam fails on Maquoketa River after 10-13 inch rainfall within 24 hours</i>	<i>1936 State record high temperature set in Atlantic and Logan at 117° F.</i>	<i>Take kids streamwalking</i>																																																																																											
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<i>Ramadan ends</i>	<i>Search prairies for blazing stars in bloom</i>		<i>Low stream flows; catfishing easiest in streams using cheese baits</i>																																																																																														
	<i>Splendid sunrise at Lake McBride State Park in Johnson County. -BY DICK HINES</i>				<p>JUNE</p> <table> <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>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></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						<p>AUGUST</p> <table> <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>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></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	31						
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August 2014

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 <p>Buckeye butterflies benefit from large eye-spots on the wings that confuse potential predators -BY RON HUELSE</p>					1	2																																																																																				
<p>Watch skies for swallows in large flocks</p>		<p>Watch for muskrats building huts and storing food</p>	<p>State Forest Nursery begins accepting seedling orders for spring planting</p>	<p>REAP city, county and private grants due Aug. 15, www.iowareap.com</p>	<p>August roadside survey begins Dove and duck banding begins</p>	<p>Shorebirds begin migrating south</p>																																																																																				
<p>Closest and largest appearing full moon of the year</p>			<p>Outdoor Journey for Girls at Springbrook Conservation Education Center Aug. 6-8, 515-281-5918 or iowadnr.gov</p>	<p>Waterfowl seasons presented to Iowa Natural Resource Commission Iowa State Fair begins</p>	<p>1915 Last log raft used by the lumber industry seen in Dubuque</p>	<p>Renew your magazine subscription at the DNR Building during the state fair Aug. 7-17 and receive a free t-shirt</p>																																																																																				
		<p>Perseid meteor shower peaks Aug. 12-13</p>	<p>1867 Hordes of grasshoppers reported in western Iowa</p>	<p>Deer tags on sale tomorrow</p>	<p>1963 Dutch Elm disease blamed for the deaths of thousands of trees in Iowa</p>	<p>Deer start to shed antler velvet; fawns start to lose spots</p>																																																																																				
<p>Iowa State Fair ends</p>			<p>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</p>	<p>Blue-winged teal and doves congregating for migration</p>																																																																																						
	<p>1916 National Park Service established by U.S. Congress</p>	<p>Pelican migration begins. Watch for flocks on reservoirs and large lakes</p>																																																																																								
					<p>Locust songs peak during August</p>	<p>Rabbit and squirrel seasons open</p>																																																																																				
					<p>JULY</p> <table> <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>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</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	31			<p>SEPTEMBER</p> <table> <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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September 2014

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	Dove season opens Labor Day	REAP education grants due Nov. 1, www.iowareap.com Squirrels start cutting acorns from trees		1890 The Morrison Electric auto introduced to Iowans in a parade in Des Moines		Take a family outing to view monarchs as they congregate for migration to Mexico
7	8	9	10	11	12	13
1953 Old Oscar, the 5-foot, 100-plus pound giant lake sturgeon always on display at the Iowa State Fair, dies		Take a child to the woods to watch squirrels, bluejays and chipmunks caching acorns	Plant conifers Sept. 10-30	Patriot Day	Fall colors begin in northern Iowa	
14	15	16	17	18	19	20
Regional REAP Assemblies start Neotropical birds start to head south through end of month	Fall colors begin in southern Iowa	Wood duck migration begins 1881 Earliest measurable snowfall set with 6-inch snowfall in western Iowa	1950 Ding Darling, famed cartoonist and conservationist, helps open Lake Darling State Park near Washington	1926 Unofficial one-day precipitation record set with 21.70-inch rain in Boyden	Becoming an Outdoors Woman at Springbrook Conservation Education Center through Sunday, iowadnr.gov or 515-281-6159	Youth/disabled hunter season for deer begins
21	22	23	24	25	26	27
	Autumnal equinox - first day of autumn			First killing frost averages this date in extreme northern Iowa		1909 Earthquake felt in eastern Iowa Clad your kids in buckskin and head to the Fort Atkinson Rendezvous held through Sunday in Winneshiek County
28	29	30				
1953 Iowa's latest official 100°F temperature day with 103°F at Glenwood		Peak season camping fees end				



Sunrise view of the Upper
Mississippi River from Fire Point
at Effigy Mounds National
Monument, Clayton County.
-BY KEN BLOCK



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Kayaker's Headlamp & Lighting System

AUGUST


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OCTOBER

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October 2014

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Campgrounds start shutting off water for the season			Fall deer and turkey archery season begins Bowhunter observation survey begins		1838 Chief Black Hawk dies at his home in Davis County	Ruffed grouse season opens Fly-fishing class Oct. 4-5 at Springbrook Conservation Education Center, 641-747-8383																																																																																											
5	6	7	8	9	10	11																																																																																											
Youth/disabled deer season ends		Quail form into coveys		Save money and energy—use programmable thermostats	Fall colors peak Oct. 10-20	Early muzzleloader deer season begins Lacey Keosauqua State Park Scenic Drive Festival this weekend, 319-293-3502																																																																																											
12	13	14	15	16	17	18																																																																																											
Plant broadleaf trees mid-October until the ground freezes	Fall turkey gun/bow season begins Columbus Day		Compost instead of burning leaves			Youth pheasant season Oct. 18-19																																																																																											
19	20	21	22	23	24	25																																																																																											
Early muzzleloader deer season closes	First killing frost averages this date in extreme southeast Iowa	Squirrels begin building leaf nests				1949 Effigy Mounds National Monument designated by President Truman Pheasant and quail seasons begin																																																																																											
26	27	28	29	30	31																																																																																												
		1925 Earliest subzero temperature with -5°F at Little Sioux			Halloween 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.																																																																																												
	White Pine Hollow State Preserve, Dubuque County. -BY TY SMEDES				<p>SEPTEMBER</p> <table> <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					<p>NOVEMBER</p> <table> <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></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td></td><td></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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November 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
 <p>Canada geese take flight over a perched red-winged blackbird at Sweet Marsh, Bremer County. -BY T. J. SCHNOEBELEN</p>						1 Furbearer hunting and trapping seasons begin All Saints' Day																																																																																				
2 Daylight saving time ends	3 Peak of the deer rut begins	4 Election Day	5 Peak flights of duck migration	6 ●	7	8																																																																																				
9 Dove season closes	10	11 Veterans Day 1940 Armistice Day blizzard kills duck hunters along Mississippi River, totaling 160 lives across the Midwest	12 Turn in poachers to TIP Hotline: 1-800-532-2020 or iowadnr.gov	13 ●	14	15 Save energy by replacing furnace filter																																																																																				
16	17 Leonid meteor shower peaks Nov. 17-18	18	19	20	21 ●	22																																																																																				
23	24	25	26	27	28 Mentored Outdoor Experience deer hunt, Springbrook Conservation Education Center, Nov. 21-23	29 Take a family outing to watch eagles along rivers																																																																																				
30 Give Iowa Outdoors as a holiday gift; order at 1-800-361-8072				Thanksgiving Day																																																																																						
					<p>OCTOBER</p> <table> <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>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</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	31		<p>DECEMBER</p> <table> <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>31</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	31			
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December 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 <i>Muskie season closed on Iowa Great Lakes</i>	2 <i>Give Iowa Outdoors as a holiday gift—order at 1-800-361-8072.</i>	3	4	5 <i>Fall turkey gun/bow season closes Archery only turkey and deer seasons close</i>	6 <i>First shotgun deer season opens</i>
7 <i>Pearl Harbor Remembrance Day</i>	8	9	10 <i>First shotgun deer season closes</i>	11	12 <i>Geminid meteor shower peaks Dec. 13-14 with up to 120 meteors per hour</i>	13 <i>Second shotgun deer season begins</i>
14 <i>Christmas Bird Count through Jan. 5; audubon.org</i>	15 <i>2015 hunting and fishing licenses go on sale</i>	16	17 <i>First day of Hanukkah</i>	18	19	20
21 <i>Winter solstice—first day of winter Second shotgun deer season closes</i>	22 <i>Late split deer and fall turkey bow season reopens Late muzzleloader deer season begins</i>	23	24 <i>Last day of Hanukkah Nonresident antlerless deer holiday season, Dec. 24 – Jan. 2.</i>	25 <i>Christmas</i>	26	27
28 	29 <i>A red-breasted nuthatch takes pause on an icy twig. —BY STAN BUMAN</i>	30	31 <i>New Year's Eve Ring in the New Year at Honey Creek Resort. For event details call 877-677-3344.</i>			

NOVEMBER

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JANUARY 2015

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2014 CALENDAR



DECEMBER 2013



JANUARY



FEBRUARY



MARCH



APRIL



MAY



JUNE



JULY



SEPTEMBER



OCTOBER



August 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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NOVEMBER



DECEMBER

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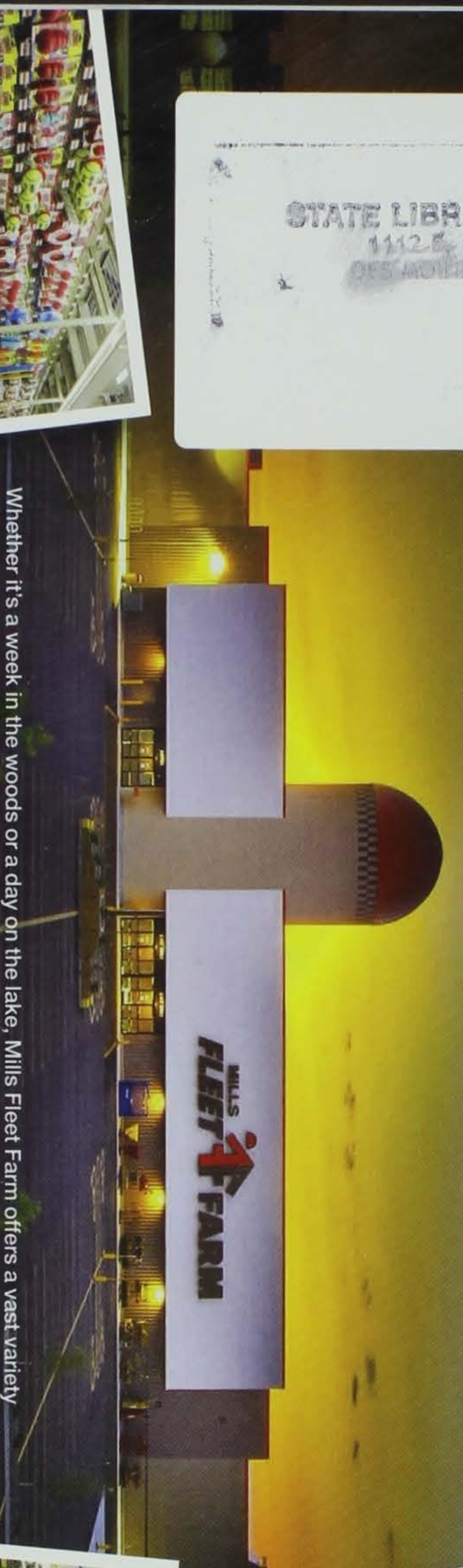
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