

# Flocking together has its benefits PUBLICNOTICES



Stan  
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NATURE SMART

How does that old saying go, “birds of a feather flock together?” Well, all you need to do is look outside to see that this is true. But have you ever stopped to think about why or how birds flock? The term flocking is a general termed used to describe many reasons why birds gather in large groups. For example, some birds such as crows gather in large groups to roost at night during winter. This is certainly considered a flocking behavior. Many birds gather in large groups for migration. Snow geese are a good example of this.

Migrating in large flocks does have some major benefits when compared to migrating solo. For example a large group of birds has more individuals to help locate food. During migration the birds encounter new areas where they have never been before and they need all the help they can get to find something to eat. More eyes means more chances of finding suitable feeding stations.

Let’s not forget that there is safety in numbers. The odds of you being eaten by a predator are greatly reduced if there are hundreds or perhaps thousands of others surrounding you. In addition, with all of your flockmates on the watch for predators you



PHOTO BY STAN TEKIELA

Snow geese band together in large groups during migration.

can get the added benefit of an early warning system.

Flocking for migration also carries the benefit of the younger birds learning from older or more experienced birds. Young birds learn the locations of safe places to stop during migration along with reliable food resources. Of course it is also very helpful when it comes to learning the migratory route and the final destination.

There are also other advantages of migrating in a flock. Many waterfowl species such as geese migrate in large groups. These groups are composed of adults with youngsters. When they fly they form various patterns. The most familiar of these are the V-shape. While there is an ongoing debate about the benefits of flying in a V-formation, several things can be assumed. For example, followers in the V-formation probably derive an advantage

of the rising and swirling air currents produced by the bird’s wing beats flying to the side of them. This is called tip vortex and actually helps to keep the following bird aloft.

Models in controlled environments show that geese may save up to 20 percent of flight energy by flying in a V-formation. Recently there was a study that attached heart rate monitors to free flying geese. Heart rates in the birds that were not in the lead showed a lower heart rate than the one in the front indicating it took less physical strength to fly when in the V-formation. This was a savings of 10-20 percent in energy.

Some species, such as the cormorants, fly in a straight line directly behind their flockmates. Similar to driving a car close behind another car, the one behind is drafting. Here is how this

works. The vehicle in front continually displaces air when it’s moving forward, creating a low pressure area just behind the lead vehicle. Swirling air currents behind the lead vehicle can actually pull on the following vehicle reducing the amount of energy it takes to maintain it speed. The same happens to birds flying in a straight line thus reducing the amount of energy the bird needs to migrate.

So it would seem there are some great benefits to being part of a flock. That’s if you are a bird of a feather. Until next time...

*Stan Tekiela is an author/ naturalist and wildlife photographer from Victoria who travels the United States to study and photograph wildlife. He can be followed on facebook.com and twitter.com. He can be contacted via his web page at www.naturesmart.com.*

**Notice**  
**Disposal of found property**  
The Carver County Sheriff’s Office has the following found property that will be disposed of in accordance with state statute unless claimed by the owners:  
US Currency  
Foreign Currency  
Stamps  
Tokens  
Jewelry  
Anyone claiming ownership of any of the above listed items must be able to provide proof of ownership to the Sheriff’s Office. Anyone wishing to make a claim of ownership should send a certified letter containing a detailed description of the item and any other documentation proving ownership to:  
Carver County Sheriff’s Property Room  
606 East 4th Street  
Chaska, MN 55318  
All claims of ownership must be received by the Sheriff’s Office by October 25, 2013. Any questions, call our property room at 952-361-1130. (Published in the Chanhassen Villager on Thursday, October 3, 10, 17, 2013; No. 4864)

**CARVER COUNTY AGRICULTURE SOCIETY FAIRGROUNDS AT WACONIA**  
**501 3rd STREET WEST WACONIA, MN 55387**  
2013 Carver County Agriculture Society Annual Meeting Notice  
The Carver County Agriculture Society will hold its Annual Meeting at the Administration Building on the fairgrounds in Waconia on: Thursday October 17th, 2013 beginning at 7:30 PM  
Reports pertaining to the 2013 Carver County Fair will be presented by President, Curtis Wolter; Secretary Twyla Menth and Treasurer Lindsay Willems.  
Directors terms expiring at this time are:  
Lou Robb, Carver, MN  
Twyla Menth, Mayer, MN  
Curtis Wolter, NYA, MN  
Todd Melcher, NYA, MN  
Jim Klein, Waconia, MN  
Glenn Strube, Mayer, MN  
Six directors to be elected to serve for three years 2014-2017. The public is invited to attend.  
To vote, person must show membership cards.  
Secretary, Twyla Menth  
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**OFFICE OF THE MINNESOTA SECRETARY OF STATE CERTIFICATE OF ASSUMED NAME**  
**Minnesota Statutes Chapter 333**  
The filing of an assumed name does not provide a user with exclusive rights to that name. The filing is required for consumer protection in order to enable consumer to be able to identify the true owner of a business.  
Assumed Name: Sarah Todd Activewear  
Principal Place of Business: 7517 Bent Bow Trail, Chanhassen, MN 55317 USA  
Nameholder(s): Sarah Lois Pletts – 7517 Bent Bow Trail, Chanhassen, MN 55317  
If you submit an attachment, it will be incorporated into this document. If the attachment conflicts with the information specifically set forth in this document, this document supersedes the data referenced in the attachment.  
By typing my name, I, the undersigned, certify that I am signing this document as the person whose signature is required, or as agent of the person(s) whose signature would be required who has authorized me to sign this document on his/her behalf, or in both capacities. I further certify that I have completed all required fields, and that the information in this document is true and correct and in compliance with the applicable chapter of Minnesota Statutes. I understand that by signing this document I am subject to the penalties of perjury as set forth in Section 609.48 as if I had signed this document under oath.  
Sarah Pletts

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**The Public Notice deadline for the Chanhassen Villager is at 4 p.m. Thursday for the following week's issue.**

**Faxes are not accepted.**

Shakopee Chamber of Commerce

# WINE VOYAGE

Your Passport to Fun

**Sip, Sample and Socialize!**  
Join us for an all access pass to taste and sample some of the greatest wines, beers & local bites. Tantalize your taste buds as you make your way through a sea of dishes & flavors from regions all over the world.

Participate in a live & silent auction, enjoy live entertainment, an interactive photo booth, mingle with local celebrities & more. Guests will receive discounts of up to 20% on all wine & beer ordered that night!

*All proceeds from the Wine Event will help fund Chamber programs and events throughout the year. The Chamber is committed to helping create and sustain a thriving business community in Shakopee by providing Access, Advocacy, Visibility and Resources to our members.*

**November 15 • 7:00-10:30pm**  
*the wilds golf club*  
*3151 wilds ridge, prior lake*

**Tickets on Sale NOW!**

**Special appearance by**  
**Emily Engberg**  
*from*  
**Twin Cities Live**

Buy tickets at [www.Shakopee.org](http://www.Shakopee.org) or CALL 952.445.1660

\$40 in advance OR \$45 at the door

**Hosted by:**  
Chamber & Visitors Bureau  
Shakopee - Minnesota  
Shakopee Wine Collars  
The Wilds Resort to Relax and Rejuvenate

**Sponsors:**  
The Pearl Room  
savvy MAGAZINE  
Southwest NEWSPAPERS  
BMO Harris Bank | Pullman Club | Voyager Bank

## A HOLIDAY AFFAIR

### AT THE ARBORETUM

**Come Enjoy The Ultimate Shopping Experience Of The Season**

**Thursday, December 5 • 6 p.m. - 9 p.m.**  
**\$15 plus fees**

**To Purchase Tickets Go To Savvy.mn And Click On Events.**

**MN Landscape Arboretum,**  
**3675 Arboretum Dr., Chaska, MN**

*Get in the spirit of the holidays through dazzling boughs of holly, surrounded in beautifully decorated greenery at the Arboretum!*

- ★ Swag Bags For The 1<sup>st</sup> 300 Guests (Full Of Incredible Offers And Goodies!)
- ★ Bring Along A New Toy In Support Of
- ★ Fabulous Door Prizes
- ★ Enjoy Music By Jazziblu
- ★ Wine Tastings From Local Wineries
- ★ Tablescape Displays Of Seasonal Decor Ideas
- ★ Enjoy Holiday Treats, Arboretum Cafe Is Also Open.
- ★ Cash Bar
- ★ Coat And Bag Check Provided.

**Participating Twin Cities Boutiques:**

Whispering Oaks Alpacas, Waconia Fair Trade Gift Shop, The Comfort Seeker, Tazzie Baby & Child, Sweet Bean Candles, Sugar Lake Designs, Silhouette Jewelry, Sheets Galore, Sassyfras, Sheek & Lavish Lifestyles, Sassyfras Boutique, Red Note Botanica LLC, Princess House, The Top of the Mill at The Chaska Mill, The Pampered Chef, Origami Owl, Oops-A-Daisy Stationery, Once Upon A Child of Shakopee, Oak Valley Creations, Nerium, Mary Kay Cosmetics, Lia Sophia, LaBelle Boutique, Kokoon.net, Kettle Creek Kitchen, Jockey Person to Person, Jan Barrett Designs, It Works! Initials Inc, Hub Hobby Center Inc, Healthsource Chiropractic - Chaska, Grace Adele, Garden Art & Things, Funky Town, Fashionologie Boutique, Embellish by Jackie, Discover Chiropractic - Chaska, Daisy Blue Naturals, Dazzle Me Jewels, Corset Styling & Fashion Boutique, Cookie Lee Jewelry, Comfort Seeker, Body Bliss Store, Beyond Beauty Aesthetic Clinic, AnnMade in Minnesota, American Dame, A Lil Bit of Everything, 2fers.com, 2 B Inspired.

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**Minnesota Landscape ARBORETUM**