

NORTHERN FLIGHTS



Official newsletter of the Minnesota Ninety Nines Women Pilots

June 2015

Summer is under way and we have been busy! As you will see from Melissa's columns in the Waypoint and 99s News our chapter members have already accomplished a lot! We've had our Chapter booth at the Great Minnesota Aviation Gathering (GMAG), Discover Aviation Days (DAD) and the Girls Aviation Day (GAD) and we're not done yet! A group of our members will be volunteering at the Mankato Air Spectacular (MAS) June 27th and 28th and we will be representing the International Ninety-Nines at the AOPA Fly In on August 22nd.

Besides all that we will be doing an airmarking at the Grand Rapids Airport (KGPZ) on July 11th and 12th and of course the biggie – hosting the fall North Central Section meeting September 24th through the 27th at the Anoka-Blaine Airport (KANE)! Is that enough acronyms for you? After all that I'm going to take a nice long nap! I can't thank all the volunteers enough. Without this great group of individuals none of this would get done! I hope to see many of you at the Section meeting. It's a great way to meet members from other chapters and enjoy all

the activities that we will be offering. The registration form and activity highlights will be in the next Waypoint and on the NCS website www.ncs99s.org.

Elaine has just finished setting up our new website <http://minnesota.ncs99s.org>. This has been a combined effort in the North Central Section to organize all the websites in the section in a similar fashion and will give us more flexibility in the future. Check it out!

And last but not least, I want to thank Karen Workman for her help over the past few years as Vice Chair. Due to increased work responsibilities and family matters Karen is stepping down from that position. And I would especially like to thank Cheryl Daml for filling that role until we can hold a formal election next year.

As always, I wish you enjoy the gift of flight!

Patti





Chapter Chair

Patti Sandusky
pilotpatti@hotmail.com

Vice-Chair

Cheryl Daml
cdaml@msn.com

Treasurer

Tracy Davenport
tdavenport99@aim.com

Secretary

Melissa Aho
mkahoo@yahoo.com

Membership Chair

Kjersti Kittelson
kjerstiliv@gmail.com

Activities Chair

Kjersti Kittelson
kjerstiliv@gmail.com

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contact our Membership Chair:

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FLYING ACTIVITIES

Jan. 31, Business Meeting Anoka/Blaine (ANE),
Key Air, 9877 North Airport Rd NE Minneapolis,
MN 55449 RSVP to Patti Sandusky.

March 21 - business meeting (location TBD)

April 17-18 - NCS meeting in Columbus, OH

May 2 - Girls Aviation Day @ LVN

May 30 & 31, Discover Aviation Days, (ANE)

June 9-10 - Mankato Air Spectacular

June 13 - business meeting (location TBD)

July 11-12 - Grand Rapids airmarking (GPZ)

August 22, AOPA Fly-In Anoka/Blaine (ANE)

August 29 - business meeting Anoka/Blaine (ANE)

Sept. 25 & 26, North Central Section Fall 2015
meeting, Anoka/Blaine (ANE)

Dec. 5 - Tree of Hope at MGG

Dec. 12, 11:00 am MN Chapter Holiday/
Business Meeting , Location - TBD



WASP Homecoming 2015

Submitted by Elaine Morrow



Glen and Elaine Morrow drove through severe storms and flooded roads, missing a few tornadoes in Oklahoma and Texas, to volunteer again at the Annual WASP Homecoming over Memorial weekend in Sweetwater, Texas, featuring and honoring the women who served their country in World War II. Of the original 1,074 graduates, only 121 are left, as 80 died since the last Homecoming in 2014. You may have met our Minnesota WASP, Elizabeth Betty Wall Strohfus – we can't get enough of her stories – but to be with 23 of them was awesome. In the picture they are sitting around the wishing well where they threw a WASP when she graduated. The statue in the center was created by a WASP.

The 99s of the Brazos River Chapter live on an airpark at the Pecan Plantation in Granbury, TX, and host as many WASP as they can before and after the events in Sweetwater, so the ladies have a chance to visit without having to sign autographs, be on a panel, etc. How amazing to hear their stories in person about towing targets so ground artillery could practice shooting live ammunition at them, strafing a jeep of soldiers while on a training flight with the Hell-diver so the men took off their t-shirts to wave in surrender, and to hear the thrill yet in her voice of the radio communicator stationed in Main who welcomed back the first wave of pilots flying back from the war via



Newfoundland and Canada—they were so excited to hear an American woman's voice that they all got on the radio at once and had to be shut down.

And if you remember the picture of the four WASP in their leather jackets with the bomber in the back with the nose art "Pistol Packing Mama," their names are Frances Green, Margaret Kirchner, Ann Waldner, and Blanche Osborn. But did you know there was a fifth WASP on the right? Her name is Dawn Seymour, who flew left seat

and completed her training at Lackland AFB, Columbus, Ohio. We met and visited with her at the WASP Homecoming the last three years. She said they cropped the right side so she just missed being part of that historical picture.

What an incredible group of ladies, and how privileged

we felt to be volunteers and have several all to ourselves transporting them to and from the Dallas-Fort Worth airport. Learn more at their web site: <http://waspmuseum.org/>. The Texas Women's University has many of their archives that can be researched at http://www.twu.edu/library/wasp_listing.asp.

Forest of friendship

Submitted by Nadine Sugden



It will soon be time for the 2015 Forest of Friendship in Atchison, KS. June 19-20 and I would like to encourage everyone to go to this wonderful event. The days of this celebration last year remain clear and treasured as the time when George and I were inducted and I want to thank the Minnesota Chapter again for giving us this honor and for Elaine Morrow for the gift of our registration.

This event started by our beloved 99s charter member, Faye Gills Wells and continued by her son Linton takes place in a lovely, serene park dotted by trees from each state of the union. Engraved stones along curved pathways contain

the names of pioneers in aviation – astronauts, test pilots and other notables who have contributed in their fields to aviation, as well as less famous people, like ourselves. Dr. Sandra Magnus, an astronaut who has made 4 space shuttle flights and spent time on the space station, spoke at the luncheon with everyone transfixed by her stories—we were all so impressed! Our stones joined some who are well known in our Chapter: Mary Jane Rice, Clara and Arnie Johanson, Glen and Elaine Morrow, LaJean and John Firminhac, Rita Orr and Liz Strohfus. Having Glen, Elaine and Renee Burger Bowman with us that day made it extra special.

As if the Forest of Friendship isn't enough, I also give my heartfelt thanks to the Chapter for my nomination for the Ninety-Nines Award of Achievement which was given to me at the July International convention in New Orleans. Because of George's health I wasn't able to attend the conference but was glad that Elaine accepted for me and then presented the handsome plaque to me at the birthday party for Liz Strohfus in November of 2014.

It was an unbelievable, wonderful year for me! I can't thank the Chapter enough.

Nadine Sugden

FLYING TIPS

Courtesy Flying Magazine



Fly a Simulator

Some instructors say that flying can't be taught in the cockpit. And while we have to fly a certain number of hours in an actual aircraft in order to earn the various levels of pilot certificates, there is some validity to this argument. In the cockpit, there are many distractions from the teaching process: traffic, ATC calls, weather, turbulence and simply flying the airplane. All that goes away in the simulator, making it an excellent tool for primary and recurrent training.

Not only are there no distractions in a simulator, but also when something happens during a training scenario in a sim you can pause the flight at any moment to discuss what may have gone wrong and why, or what was good about the most recent flight segment. You can also stop the simulator to discuss what will happen next. For example, if a student gets behind while setting up for an instrument approach, the simulation can be paused allowing the student to catch up. There is no way you can do that in an airplane with real air traffic controllers providing guidance. And best of all, no matter how badly you mess up, you, your passenger and the sim will remain unharmed.

With a simulator there is no wasted time flying to a practice area or doing extended patterns in busy airspace during takeoff and landing practice. And the hourly cost is lower too. Modern simulators such as the Redbird full-motion simulator, which is now available at many flight training facilities around the country, generally rent for about half the cost of an airplane. And, while the numbers vary from rating to rating, several hours spent in the simulator can generally be applied toward the total hourly requirement for the certificate as long as you've been flying with an instructor at your side.



Read more at <http://www.flyingmag.com/technique/tip-week/fly-simulator#FeDRWgIjrhSHageD.99>

FLYING TIPS



Create Your Own Sunsets

“When on a cross country trip, and you see a restricted area that you missed in your planning, what’s the best way to find out whether to go thru or not?”

The Aeronautical Information Manual (AIM) Chapter 3-4-3 will get us started on our answer:

- a. Restricted areas contain airspace identified by an area on the surface of the earth within which the flight of an aircraft, while not wholly prohibited, is subject to restrictions. Activities within these areas must be confined because of their nature or limitations imposed upon aircraft operations that are not a part of those activities or both.

Restricted areas denote the existence of unusual, often invisible, hazards to aircraft such as artillery firing, aerial gunnery, or guided missiles. Penetration of restricted areas without authorization from the using or controlling agency may be extremely hazardous to the aircraft and its occupants.

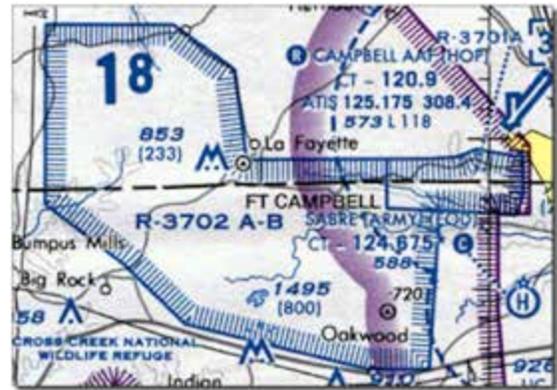
- b. ATC facilities apply the following procedures when aircraft are operating on an IFR clearance (including those cleared by ATC to maintain VFR-on-top) via a route which lies within joint-use restricted airspace.

1. If the restricted area is not active and has been released to the controlling agency (FAA), the ATC facility will allow the aircraft to operate in the restricted airspace without issuing specific clearance for it to do so.
2. If the restricted area is active and has not been released to the controlling agency (FAA), the ATC facility will issue a clearance which will ensure the aircraft avoids the restricted airspace unless it is on an approved altitude reservation mission or has obtained its own permission to operate in the airspace and so informs the controlling facility.

The above apply only to joint-use restricted airspace and not to prohibited and nonjoint-use airspace.

- c. Restricted airspace is depicted on the en route chart appropriate for use at the altitude or flight level being flown. For joint-use restricted areas, the name of the controlling agency is shown on these charts.

Having reviewed the AIM, I have two recommendations that will keep you covered. Obviously if you are on an instrument flight, ATC will keep you out of trouble. But even if VFR, using flight following will allow ATC to help keep you out of trouble. In all cases, restricted area information is available on the bottom legend of your sectional chart and will provide all relevant information on the restricted airspace including radio frequencies.”



Unless otherwise noted altitudes are MSL and in feet, time is local. Consult nearest FSS for information. *Other time by NOTAM stated FSS.

The word "TO" in altitude means "To and including". "THRU" indicates "thru to the Friday".
 H - Flight level
 NO A/G - No or to ground communications

NUMBER	LOCATION	ALTITUDE	TIME OF USE	CONTROLLING AGENCY**
R-3401 A	ATTERBURY RESERVE FORCE TRAINING AREA, IN	TO 40,000	CONTINUOUS MAY 1 THRU SEP 30 0600-2000 TUE-SAT OCT 1 THRU APR 30†	DD CHR
R-3401 B	ATTERBURY RESERVE FORCE TRAINING AREA, IN	1200 AGL TO 14,000	CONTINUOUS MAY 1 THRU SEP 30 0600-2000 TUE-SAT OCT 1 THRU APR 30†	DD CHR
R-3403 A	STIFFINGTON PROVING GROUND, IN	TO 43,000	0630 TO 2400	DD CHR
R-3403 B	STIFFINGTON PROVING GROUND, IN	1200 AGL TO 11,180	0600 TO 2300	DD CHR
R-3404	CRANE, IN	TO 2500	0635 MAY 1 THRU NOV 1 1200 HR IN ADVANCE	STATE HAUTE CON TWR
R-3701 A	FORT CAMPBELL, KY	TO 3000	BY NOTAM 24 HRS IN ADVANCE	FT CAMPBELL
R-3702 A	FORT CAMPBELL, KY	TO 8000	BY NOTAM 24 HRS IN ADVANCE	DHE CHR
R-3702 B	FORT CAMPBELL, KY	4000 TO FL 220	BY NOTAM 24 HRS IN ADVANCE	DHE CHR

FINANCIALS

Submitted by Tracy Davenport



MN 99's Treasurer's Report - June 6, 2015

Checking Balance as of 5/31/2015	\$ 5,158.58
Savings Account Balance as of 5/31/2015	\$ 4,253.95
Total cash as of May 31, 2015	\$ 9,412.53 ***

*** Designated for scholarships	\$ 1,727.99
Designated for Waypoint	\$ -
Designated for name badge	\$ -
Designated for Forest of Friendship Nominations	\$ -
Designated for Girls Aviation Day scholarship	\$ 761.42
Designated for section meeting	\$ 1,558.81
General fund	\$ 5,364.31
Total cash as of May 31, 2015	\$ 9,412.53

Income/expenses since last treasurer report:

Income - 02/01/15-05/31/15

Dues	\$ 50.00	
Donation - GMAG booth	\$ 50.00	
Scholarship-book sale	10.00	
Interest income	0.52	
NCS meeting - from NCS	350.00	
Girls Aviation days scholarship proceeds	761.42	
Waypoint	20.00	
Name badges	15.00	
Total income	\$ 1,256.94	\$ 1,256.94

Expenses - 02/01/15-05/31/15

Section meeting-caterer/GW museum	\$ 653.70	
Service Charge for cash deposited	0.08	
Waypoint	20.00	
GMAG Booth space	100.00	
Name badges	16.00	
DAD Booth (75) and refundable deposit (\$100)	175.00	
Total expenses	\$ 964.78	964.78

Net Income 2/01/15-05/31/15 **\$ 292.16**

Fiscal year to date income/expenses - June 1, 2014 - May 31, 2015

Income - 6/1/14 - 5/31/15

Dues	\$ 655.00	
Interest on cd's/savings	1.27	
Donations-girls aviation day	761.42	
Paper Waypoint	40.00	
GMAG Booth space donations	50.00	
NCS meeting from NCS	350.00	
Donations-scholarship	100.00	
Scholarship-silent auction	-	
Scholarship-Liz book sales	10.00	
Scholarship tshirt sales	-	
Scholarship - sales items at MKT	-	
Name badges	30.00	
Total income	\$ 1,997.69	\$ 1,997.69

Expenses - 6/1/14 - 5/31/15

NCS Section Meeting	\$ 653.70	
name badges	31.00	
Paper Waypoint	40.00	
Scholarships	500.00	
Service charge for cash deposited	0.10	
DAD Booth/refundable deposit	175.00	
GMAG Booth	100.00	
Girls Aviation day expenses	-	
Total expenses	\$ 1,499.80	1,499.80

Net Income (loss) 6/1/14 - 05/31/15 **\$ 497.89**

Fiscal year to date cash change - June 1, 2014 - May 31, 2015:

Cash - May 31, 2014	\$ 8,914.64
Income 6/1/14-5/31/15	497.89
Cash - May 31, 2015	\$ 9,412.53

Aviation photo highlights



**Great MN Aviation Gathering
Altitude Chamber
Melissa Aho, Carly, and Deb Thompson**



**Discover Aviation Days, Anoka
Tracy Lovness, Robyn Stoller and Cheryl Daml**



**Girls Aviation Day
Liz Strohfus and future aviatrix's**



**Girls Aviation Day, Faribault
Aviation volunteers and organizers.
Kjersti Kittleson, organizer**

PILOT RESOURCES

We have talented flight instructors willing to provide their services. Please feel free to reach out to any of the ladies below to tap into their aviation experience.

Cheryl Daml

CFI ratings: Private, Instrument, Commercial, CFI, CFII
612-272-9717
cdaml@msn.com
Airport: Anoka, MN

Marcy Drescher

CFI ratings: Single and Multi engine Instrument, Glider
507-265-3488, cell 507-473-0167.
65560 180th St., Alden, MN 56009.
marcyd@wctatel.net.
Airport: Wells, MN.

Mikaela Mahoney

CFI ratings: Private
10461 4th St NE
Hanover MN 55341-4050
C (612) 816-1439
mikaelamahoney@gmail.com

Kjersti Kittelson

CFI/CFII ratings: Private, Instrument, Commercial ASEL and ASES
Multi-instructor
651.769.7093
kjerstiliv@gmail.com
Airport: Airlake or lower metro airports.

Deb Thompson

CFI, CFII, MEI
Former Ground instructor for Northwest/Delta Airlines for Boeing 747-400, and 200. Flight Engineer Certificate and Second-In-Command rating for Boeing 747-200
612-889-4464
612-889-4464

Feel free to send any additional resources/websites you would like to be seen here in the future to Thuy at aviatrix99@mac.com

WEBSITES



THE NINETY-NINES, INC.
International Organization of Women Pilots



<http://minnesota.ncs99s.org>

<http://www.mnpilots.org/>

<http://www.ninety-nines.org>

<http://avmedmn.com>

<http://www.aopa.org/asf/publications/flashcards/>

<http://www.faa.gov>

Safety seminars <https://www.faasafety.gov/spans/events/EventList.aspx?statecd=MN>

<http://www.dot.state.mn.us/aero/avoffice/aviationaz.html>
Click on Aeronautical chart

<http://www.eaa.org>

http://www.nxtbook.com/nxtbooks/aopa/flashcards_201310/

RECIPE

Summer garden pasta

Courtesy of Food Network - Ina Garten

Ingredients

4 pints cherry tomatoes, halved
Good olive oil
2 tablespoons minced garlic (6 cloves)
18 large basil leaves, julienned, plus extra for serving
1/2 teaspoon crushed red pepper flakes
Kosher salt
1/2 teaspoon freshly ground black pepper
1 pound dried angel hair pasta
1 1/2 cups freshly grated Parmesan cheese,
plus extra for serving



Directions

Combine the cherry tomatoes, 1/2 cup olive oil, garlic, basil leaves, red pepper flakes, 1 teaspoon salt, and the pepper in a large bowl. Cover with plastic wrap, and set aside at room temperature for about 4 hours.

Just before you're ready to serve, bring a large pot of water with a splash of olive oil and 2 tablespoons salt to a boil and add the pasta. Cook al dente according to the directions on the package (be careful - it only takes 2 to 3 minutes!). Drain the pasta well and add to the bowl with the cherry tomatoes. Add the cheese and some extra fresh basil leaves and toss well. Serve in big bowls with extra cheese on each serving.

Read more at: <http://www.foodnetwork.com/recipes/ina-garten/summer-garden-pasta-recipe.html?oc=linkback>

NCS 2015 Fall Meeting Schedule
September 25 – 27, 2015
Minnesota Chapter
Anoka, MN



Thursday, September 24, 2015 (Option for those who want to arrive early)

4:30 pm – Northstar Rail to Target Field for 7:10 pm MN Twins vs. Cleveland Indians baseball game.

Friday, September 25, 2015

Noon – 9:00 pm Registration
Noon – 6:00 pm Fly Market Open
3:00 – 6:00 pm Hospitality Room Open
4:00 – 5:00 pm Board Meeting
6:00 – 8:00 pm Curling Club history, demonstration, and hands on curling (option)
Dinner on own or at Gabe’s Rink Side Bar & Grill (at curling club)

Saturday, September 26, 2015

8:00 – 9:00 am Registration
7:00 – 9:00 am Buffet breakfast (included with hotel room)
7:30 – 8:30 am Chapter Chair breakfast
9:00 – 11:00 am Business Meeting
9:00 – 11:00 am 49 ½ Seminar at EAA 237 Hangar
11:00 – 11:45 am Hospitality Room & Fly Market Open
12:00 pm Gather in hotel lobby for transportation to Segway tour
1:30 – 4:30 pm Segway Tour of historic Minneapolis (option 1) – bag lunch with snack stop on tour
1:00 – 5:00 pm Airplane review at Anoka Airport plus tower tour (option 2) – bag lunch
6:30 – 9:30 pm Dinner banquet, program & trivia contest at Golden Wings Museum (includes guided tour of Museum)
9:30 – 11:00 pm Hospitality Room Open

Sunday, September 27, 2015

7:00 – 9:30 am Buffet breakfast (included with hotel room)
7:00 – 10:00 am Hospitality Room Open
8:00 – 11:00 am Transportation to MSP or ANE

Questions: Patti Sandusky, pilotpatti@hotmail.com, (612) 308-4291
Tracy Davenport, tdavenport99@aol.com, (651) 335-6867

ACTIVITY DETAILS

MN TWINS VS. CLEVELAND INDIANS:

If you'd like to arrive in our beautiful State on Thursday and are looking for something to do you can go to a Twins vs. Indians baseball game in the No. 1 rated stadium in the country! Target Field received the 2010 Ballpark of the Year award from **Ballpark Digest**. We will be purchasing tickets as a group by August 25th so if you would like to go, let us know ASAP. We will take the Northstar Rail line down to Target Field. This is a beautiful train that ends at Target Field and returns 30 minutes after the last out of the game. Also, the Country Inn has agreed to offer registrants the same room rate of \$89 for Thursday night.



CURLING:

Four Seasons Curling Club is located approximately 1.3 nm on a heading of 260 from the ANE tower. FSCC is part of a facility that includes two hockey rinks and a full service restaurant. The activity will include an off ice presentation about the game of curling and include instruction on the game and how it is played. On the ice will include a demonstration, practice with the assistance of an instructor, and the opportunity to play a short game. There is also onsite restaurant (Gabe's) for dinner night for the participants. For more information about the facility and the game of curling visit www.fourseasonscurlingclub.com



SEGWAY TOUR:

See Minneapolis from a Segway! Our Magical History Tours take you on a thrilling journey through the past, telling you the tales and seeing the sights of the Minneapolis riverfront while you zip around on a high-tech modern day chariot! We'll cruise over the Stone Arch Bridge and around the Mills District and Nicollet Island, where Minneapolis began and where stories and legends abound.

Things to remember

1. Wear flat, comfortable shoes
2. Weather appropriate clothing
3. Lockers are available to store purses and valuables during the tour
4. Helmets and training provided





REGISTRATION FORM

MN Ninety-Nines Chapter
 NCS Fall Meeting
 September 25-27, 2015

Country Inn and Suites, Shoreview, MN
 (651) 784-6000

Name(s): _____ Guest: _____

Email: _____

Address (street, city, state): _____ Zip: _____

Phone: _____ Cell: _____ Chapter: _____

First-time attendee: _____ Student Pilot Member: _____ AE Scholarship recipient: _____ Year: _____

Current Officer(s)/Committee(s):
 Chapter: _____
 Section: _____
 International: _____

Past Officer(s)/Committee(s):
 Chapter: _____
 Section: _____
 International: _____

REGISTRATION

	Prices:	Quantity:	Total:
* Full registration (postmarked by August 25, 2015)	\$99	_____	_____
* Late registration (postmarked after August 25, 2015)	\$119	_____	_____

Ala Carte options:

Thursday: MN Twins vs Cleveland Indians		_____	_____
Friday: Curling -	FREE	_____	_____
Saturday: Segway tour -	\$95.00	_____	_____
Static airplane displays and Anoka Tower tour	FREE	_____	_____

Saturday Banquet food choices:

Chicken Supreme	_____
Baked Cod	_____
Veggie Lover's Lasagna	_____

PAYMENT: Make checks payable to - Minnesota 99s Mail to: Tracy Davenport, 12119 Kentucky Circle Street, Champlin, MN 55316

HOTEL: Country Inn & Suites, 5995 Rice Creek Parkway, Shoreview, MN 55126. Call hotel to reserve room at (651) 784-6000 - refer to room block 99s Fall Section Mtg. for the special room rate of \$89/night. Reservations must be made by August 24, 2015.

FLY IN: Commercial: Minneapolis airport, MN (MSP) ETA: _____ Flight: _____ Airline: _____
 Private: Anoka/Blaine airport, MN (ANE) Day: _____ ETA: _____ N: _____ #passengers _____

For airport pick-up please call: Chris Kocinski, 612-578-2277

QUESTIONS: Patti Sandusky - pilotpatti@hotmail.com, 612-308-4291 or
 Tracy Davenport - tdavenport99@aim.com , 651-335-6867