

THE

# MOTHER OF ALL

Newsletter of the Arizona Desert Weavers & Spinners Guild, Inc.

May 2023

Volume 51, Issue 8

*From the President Desk*  
*Caroline Yeryomenko*

[adwsg.president@gmail.com](mailto:adwsg.president@gmail.com)

Dear Guild Members,

This has been a wonderful year. I am thankful for each of you, and for all that we have been able to learn and share. Now we can make summer plans that include crafting wherever we are. Congratulations to our education grant winner, Mary Tangen-Giger! Mary is our speaker for next April's meeting. Her summer projects will include spinning different fiber preparations on a variety of support spindles. I don't know what your plans are, Mary, but I am imagining you glancing out the window of your RV at the pine trees while spinning sparkly wool in a porcelain bowl. We can't wait to hear about your adventures and what data you find.

I would like to talk about the history of weaving and this most amazing fact: Did you know that the first machine to use binary code, essentially the first computer, was a loom? It was the Jacquard loom, developed in the early 1800's. Within a few decades the first general computer was made by Charles Babbage using the same technology as the Jacquard loom. Also, the first computer program was written by a woman, Ada Lovelace, and described in terms of weaving.

**The Jacquard Loom:** French weaver Joseph-Marie Jacquard attached a machine to the loom allowing complex and detailed patterns to be woven. His machine contained interchangeable punch cards with small holes for the patterns. Here is a photo from the Science and Industry Museum in Manchester showing a series of Jacquard punch cards:

Photo courtesy of

<https://www.scienceandindustrymuseum.org.uk/objects-and-stories/jacquard-loom>



Following is a description of the Jacquard loom from

<https://www.scienceandindustrymuseum.org.uk/objects-and-stories/jacquard-loom>

## STEP BY STEP: HOW A JACQUARD LOOM WORKS



Science Museum Group Collection, photo by permission of Garth Dawson, Accrington.

Card maker using a machine to translate a pattern onto punch cards, c. 1950.

Science Museum Group Collection, photo by permission of Garth Dawson, Accrington.

**First, a designer paints their pattern onto squared paper. A card maker then**

translates the pattern row by row onto punch cards. For each square on the paper that has not been painted in, the card maker punches a hole in the card. For each painted square, no hole is punched.

The cards, each with their own combination of punched holes corresponding to the part of the pattern they represent, are then laced together, ready to be fed one by one through the Jacquard mechanism fitted at the top of the loom.

When a card is pushed towards a matrix of pins in the Jacquard mechanism, the pins pass through the punched holes, and hooks are activated to raise their warp threads. Where there are no holes the pins press against the card, stopping the corresponding hooks from raising their threads.

A shuttle then travels across the loom, carrying the weft thread under the warp threads that have been raised and over those that have not. This repeating process causes the loom to produce the patterned cloth that the punch cards have instructed it to create.

The Jacquard language of weaving is binary, the language of 1s and 0s used by computers today! Woven textiles are created with interlocking threads. On the surface only warp and weft threads are visible, essentially a zero or a one. The punch cards of early computer programming is technology from Jacquard

weaving looms.

A few decades after Jacquard invented his loom, Charles Babbage of England developed the first computer which he called the Analytical Engine. Unfortunately, Babbage never finished developing the computer because of conflicts with his chief engineer and because the British government withdrew its funding... The computer would have to wait another century to be developed and in the United States.

English mathematician Ada Lovelace, a friend of Charles Babbage wrote the first computer program for the Analytical Engine in 1837, describing her program in terms of weaving:

***“The Analytical Engine weaves algebraic patterns, just as the Jacquard-loom weaves flowers and leaves.”***

Here is a portrait of Ada Lovelace, an accomplished woman and first computer programmer who was the daughter of the poet Lord Byron.

Photo courtesy of <https://www.computerhistory.org/babbage/adalovelace/>



At a time when women received very little education, she studied mathematics with a private tutor at her mother's insistence. Throughout her life, Ada sought out other scientists and intellectuals to collaborate. She wrote about the future of computer technology with remarkable prescience. Ada believed that computers ("Analytical Engines") would eventually manipulate symbols according to rules and that numbers could represent entities other than quantity.

Whether or not you agree with the following description of weaving, I do love its characterization of the quality behind weavers and programmers: "There's this bias toward disruptive behavior in tech bro culture." Yet the "diligence, patience, and the ability to be detail-oriented" of women is "perfect for the tedious and technical work of both weaving and coding." Weaving and coding, like so much of our lives, is something that women understand.\* There was a beautiful quote on our guild's Facebook page recently:

***“Women have always been the weavers of the world, literally and figuratively. We weave people together, we weave the experiences of life into patterns, and we weave our stories into words.” –She Walks in Beauty by Caroline Kennedy***

So, to all of us weavers: Go out and be proud of yourselves! We are coders too, the original ones.

*From the President Desk (continued)*

*Caroline Yeryomenko*

[adwsg.president@gmail.com](mailto:adwsg.president@gmail.com)

**P.S. Don't forget our gift exchange on May 6! I am working on a handmade item or two. Bring along something small and wrapped—we would love to have you participate at the end of the guild meeting.**

*Sincerely,  
Caroline, President*

P.S.S. Here are a few photos of beautiful jacquard fabrics I wanted to share with you:

<https://fabricviva.com/products/coach-jacquard-fabric-denim-blue>



<https://schumacher.com/blog/history-of-jacquard-fabric/>



[https://www.etsy.com/listing/1444612164/floral-jacquard-fabric-3d-flower?click\\_key=77a5471dfb](https://www.etsy.com/listing/1444612164/floral-jacquard-fabric-3d-flower?click_key=77a5471dfb)



[4a01f339048f19dcc06a4797545b5c%3A1444612164&click\\_sum=b9f6b56a&ref=hp\\_rv-3](https://www.etsy.com/listing/1444612164/floral-jacquard-fabric-3d-flower?click_key=77a5471dfb)

\*Quotations from <https://www.fastcompany.com/90425067/weaving-coding-and-the-secret-history-of-womens-work>

**MAY 6th Guild Meeting**  
**Will Be In Person And on ZOOM**  
**SPECIAL INTEREST GROUPS PRESENT THEIR ACCOMPLISHMENTS**

**2023-24**  
**Election for Board Officers**

Our online election of officers closed on April 11, 2023. Fifty-one percent of eligible voters participated in the election and voted unanimously for all four candidates.

Our Elected Board Officer positions for next year:

President: Caroline Yeryomenko

VP of Programs: Sue Garber

VP of Workshops: OPEN

Secretary: Roxanne Eklund

Treasurer: Sue Carneal

Thank you to all who voted and participated in the election process.

**We still need a VP for Workshops. There are 3 past Workshop VPs ready to help whoever is willing to step up and learn how to do this important Job for our guild. If you can find it in your heart to help the guild by taking on this role, please let President Caroline know. Maybe 2 of our members might want to share the job.**

**A great big thank you to our nominating committee and all the members who were willing to serve as your board members. You are what makes this guild so great!**

Virginia Glenn - [vmatglenn@me.com](mailto:vmatglenn@me.com)

Sara Jenkins - [jenkins37@aol.com](mailto:jenkins37@aol.com)

Trish Boone - [trishyann@hotmail.com](mailto:trishyann@hotmail.com)

Brittany Burback - [brittanyburback@gmail.com](mailto:brittanyburback@gmail.com)

Maria Conti - [mariaconti@cox.net](mailto:mariaconti@cox.net)

Sue Garber - [sue.garber@cox.net](mailto:sue.garber@cox.net)

## 75<sup>th</sup> ANNIVERSARY

Sue Carneal

[adwsg.anniversary@gmail.com](mailto:adwsg.anniversary@gmail.com)



Our Guild will be celebrating its 75th anniversary at the October 7th meeting. There will be a slide show covering the history of Guild activities, a project display featuring the diversity of our creative members, favors and much more. A luncheon and cake will be provided.

As the event draws near an “Evite” will be sent out by email. Please RSVP to this so we can have a close count for luncheon attendance.

This is an important milestone and a tribute to the strength of our organization. Thank you all for being members of ADWSG.

We hope to see you October 7th!

Sue & Trish

## WAYS & MEANS

Christine Hunt

[adwsg.waysandmeans@gmail.com](mailto:adwsg.waysandmeans@gmail.com)

A warm welcome to the 2023-24 Ways and Means committee - Chair Mary Tangen-Giger, assisted by Lauren Goldfish and Sue Garber. Thank you!

Every month our raffle table offers something of interest. Tickets are \$1 each, or 6 for \$5. Larger items the guild has for sale are listed on the guild website. <https://adwsg.org/rentals-and-sales> We continue to accept donations of equipment, fiber, etc. for future fundraising events. Please get in touch to arrange drop off at a meeting, the guild storage unit or a pick up at your house.

\*\*\*Please note: We're unable to accept donations that have been stored with mothballs. Thank you for thinking of us!

Available For Rental:

Loom- Baby Wolf 4H, 6T - 10, 12 dent reed

Spinning Wheels - Ashford Traditional single treadle,

Louet S-10 single treadle

Drum Carder - Fricke/Strauch



## NEWS FROM THE GUILD LIBRARY

Beki Welsch

[adwsg.librarian@gmail.com](mailto:adwsg.librarian@gmail.com)

For those taking the marbling workshop this month, I recently purchased *The Ultimate Marbling Handbook* by Diane Maurer-Mathison. It should be available to check out at the May meeting. Books checked out in May can be kept over the summer. Think about what you might like to work on from May to October and check the online library catalog to see if we have titles to help you. <https://www.librarything.com/catalog/adwsg> or the link from the Guild website.

This month I will have a selection of older weaving related books to sell, plus quite a few spinning magazines and Shuttlecraft. I will also have some more current titles, including:

*This is How I Go When I Go Like This: Weaving and Spinning as Metaphor* by Linda Ligon

*Learning to Weave* by Deborah Chandler

*Finishing Touches for the Handweaver* by Virginia West

*Yarns to Dye For: Creating Self-Patterning Yarns for Knitting* by Kathleen Taylor

*Grau-Garriga* by Anrnau Puig (sculptural wall hangings)

Let me know if you have suggestions for titles for me to purchase for the Guild library.

## Demonstrations

Jody Dozer

[adwsg.demonstrations@gmail.com](mailto:adwsg.demonstrations@gmail.com)

Thank You to all the wonderful demonstrators. The Guild and I personally Thank You for your time and energy reaching out to the public, teaching many about fibers and sharing the friendliness of ADWGS. THANK YOU!

Jody

## FEDERATION

Lauren Goldfish

[adwsg.federation@gmail.com](mailto:adwsg.federation@gmail.com)

Federation website: <https://www.azfed.org>

Notes from the Federation's April 15th meeting:

- The Federation sponsors an Education Grant annually. The deadline for grant applications will be this September 1st for 2024 activity.
- The Federation needs someone to step in as Vice President for the year remaining to the term. Interested in helping out? Please contact Federation President-to-be Mary Humme at [maryhumme@gmail.com](mailto:maryhumme@gmail.com)
- The planning continues for the Fiber Festival in Camp Verde, tentatively scheduled for early April, 2024. Sizable interest in the event was expressed, details to come.
- The Federation's current goal is to sponsor the following activities during alternate years: one year, a fiber festival, the next year, a traveling teacher.
- The Twisted Threads Guild is looking to bring Patti Barker back to AZ for another class. Does our guild have enough interest to bring Patti back to Phoenix? Let's talk about this at the May guild meeting.

A super big thanks to Helene Couture-Hall for representing ADWSG at Federation meetings this coming term! And please thank and congratulate Ruth Greenspan for all she's done as Federation President the past two years.

## MEMBERSHIP

Trish Boone

[adwsg.membership@gmail.com](mailto:adwsg.membership@gmail.com)

Continuing at the May meeting, we will be collecting early dues renewal for the June 1, 2023-May 31, 2024 year. We do this every year before we break for the summer. Your dues help pay Guild expenses as we prepare for the next year.

There are 3 ways to renew this year: in person at meetings, by mail and online!

In-person: Membership renewal forms are available at the meeting. Please complete the form and submit along with your cash or check payment. I will be at the table to the right as you first come into the meeting.

By mail: Please print and complete the membership renewal form located on our website ( <https://adwsg.org/guild-forms> ) and mail to me, along with your payment at the address on the form.

ONLINE! New this year! Thank you, Anna Akridge for setting this up!

You can complete the membership renewal form online and pay by PayPal! (there is a small processing fee to cover cc/PP charges) Go to <https://adwsg.org/guild-forms> , complete the form and indicate your payment method. The PayPal button for payment is right below the membership form entry boxes. Individual membership is \$25 and Family Membership is \$30. Plus fee.

Whatever way you choose to renew, completing the membership dues renewal form is required to keep our member information up to date. Please let me know if you have any questions, or if I can help you in any way with this process.



## OFFICERS FOR 2022-2023

President	Caroline Yeryomenko	<a href="mailto:adwsg.president@gmail.com">adwsg.president@gmail.com</a>
Vice President Programs	Vacant	<a href="mailto:adwsg.programs@gmail.com">adwsg.programs@gmail.com</a>
Vice President Workshops	Devorah Green	<a href="mailto:adwsg.workshops@gmail.com">adwsg.workshops@gmail.com</a>
Treasurer	Sue Carneal	<a href="mailto:adwsg.treasurer@gmail.com">adwsg.treasurer@gmail.com</a>
Secretary	Roxanne Eklund	<a href="mailto:adwsg.secretary@gmail.com">adwsg.secretary@gmail.com</a>

## COMMITTEE CHAIRS FOR 2022-2023

Demonstrations/Publicity	Jody Dozer	<a href="mailto:adwsg.demonstrations@gmail.com">adwsg.demonstrations@gmail.com</a>
Federation Representative	Lauren Goldfish	<a href="mailto:adwsg.federation@gmail.com">adwsg.federation@gmail.com</a>
Historian	Lisa Takata	<a href="mailto:adwsg.historian@gmail.com">adwsg.historian@gmail.com</a>
Hospitality	Julie Cattaneo	<a href="mailto:adwsg.hospitality@gmail.com">adwsg.hospitality@gmail.com</a>
Interest Groups		
Spinning/Fiber Group	Paula Rudnick	<a href="mailto:adwsg.fibergroup@gmail.com">adwsg.fibergroup@gmail.com</a>
Wonderful Weavers	Ann Ormiston	<a href="mailto:adwsg.weavinggroup@gmail.com">adwsg.weavinggroup@gmail.com</a>
In Person Spinning Group	Nancy Moore	<a href="mailto:rayandnancy@comcast.net">rayandnancy@comcast.net</a>
Librarian	Beki Welsch	<a href="mailto:adwsg.librarian@gmail.com">adwsg.librarian@gmail.com</a>
Membership	Trish Boone	<a href="mailto:adwsg.membership@gmail.com">adwsg.membership@gmail.com</a>
Membership Assistant	Elaine Rowles	
Newsletter Editor	Ann Ormiston	<a href="mailto:adwsg.editor@gmail.com">adwsg.editor@gmail.com</a>
75 <sup>TH</sup> Anniversary	Sue Carneal	<a href="mailto:adwsg.anniversary@gmail.com">adwsg.anniversary@gmail.com</a>
Ways & Means	Christine Hunt	<a href="mailto:adwsg.waysandmeans@gmail.com">adwsg.waysandmeans@gmail.com</a>
Web Site	Anna Akridge	<a href="mailto:adwsg.webmaster@gmail.com">adwsg.webmaster@gmail.com</a>

### Next Meeting:

May 6th will be in person and on Zoom  
At  
Northtown Community Center  
Meeting starts at 10 am

### MOA Submission Deadline

The 15<sup>th</sup> of each month  
September through May  
[adwsg.editor@gmail.com](mailto:adwsg.editor@gmail.com)

## INTEREST GROUPS

### SPINNING/FIBER GROUP

Meets the third Wednesday of the month (all year long). FOR THE PRESENT TIME WE ARE MEETING ON ZOOM-(please be sure you are on the group email list so you get the email invite) We love to chat, learn what events are happening online, see what everyone is working on, and exchange ideas and get help with questions or problems we might be having with our projects. Our Zoom starts at 9:30---so join us and start chatting.

The group chair is **Paula Rudnick** - [adwsg.fibergroup@gmail.com](mailto:adwsg.fibergroup@gmail.com)

### WONDERFUL WEAVERS STUDY GROUP

Currently Meeting as a ZOOM Group - Meets the Third Sunday of each month, all year long. Currently we are meeting from 1:30 pm to 3:30 pm as a Zoom Group. We discuss Hand Weaving structures, ideas, problems, and solutions and enjoy our show and tell. Come and join our group. The group chair is **Ann Ormiston** [adwsg.weavinggroup@gmail.com](mailto:adwsg.weavinggroup@gmail.com)

### IN PERSON SPINNING GROUP

A new spinning group based in the West Valley. Anyone with an interest in spinning may join in, even if you are currently working on something else. Please contact me if you want to receive future email announcements. The group chair is Nancy Ryan [rayandnancy@comcast.net](mailto:rayandnancy@comcast.net)

### ADWSG WEBSITE

<http://www.adwsg.org>

Follow us on

[FACEBOOK](#)

Join Us for Our Monthly Meetings:

**10 am In Person and ZOOM MEETING**  
Northtown Community Center 2202 E.  
Waltann Lane,

Phoenix, AZ

Doors Open at 9 am

Come Early and Mingle!

MARK YOUR CALENDARS

**May 6th, 2023**

October 7, 2023  
November 4, 2023  
December 2, 2023  
January 6, 2024  
February 3, 2024  
March 2, 2024  
April 6, 2024  
May 4, 2024

BRING YOUR OWN CUP

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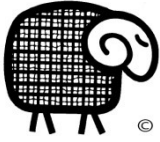


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c/o Ann Ormiston

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**FIRST CLASS**