

American Scientific Glassblowers Society

**68th Annual
Symposium**

June 23- 27, 2025

Raleigh, NC



The Southeastern Section cordially invites you to attend the 68th Annual Symposium of the American Scientific Glassblowers Society.

The Location is at the Hilton North Hills (3415 Wake Forrest Road, Raleigh, NC 27609-7330). This is a spacious location which offers free parking for attendees. The room rate is \$175.00 per night plus tax which includes breakfast for two per day. Guests can use a direct link online or can call the hotel directly at (919)-872-2323 to be transferred to Central Reservations. When guests call-in to book a reservation, it is extremely important to reference the SRP/Groupe Code of ASGS25 and specify the dates

The Hotel is located just 15 minutes from the local airport, Raleigh-Durham International Airport (RDU, <https://www.rdu.com/>). There are many rental car companies and rideshare services available. Unfortunately there is not a hotel shuttle.

One of the many opportunities that can be had this year are the Guest/Companion activities. These include a FREE Tuesday morning get together at 9am in the gathering area between the breakfast area and Starbucks. Yes, there is a Starbuck IN the hotel! This is a very informal gathering of all those who aren't in the workshops or seminars. You can find new friends or reacquaint with old friends that you see only once a year. So just have breakfast with your glassblower, send them off to do glassblower things, stick around and find new friends. Then later that afternoon enjoy another informal get together by painting with a non-alcoholic drink or an alcoholic drink in hand, your choice. Again, this is a fun and low key get together. Unfortunately, this is a limited space event and it does cost. Just think of the fun it will be! Lastly is a self-guided museum tour of the local History and Science Museums. You'll leave the hotel and arrive at the museum, have fun exploring, eat a box lunch (provided in cost), explore more, then get a ride back to the hotel in time to clean up and enjoy the Exhibitor program. These activities are hosted by Kelly Hall.

There is no way to NOT mention the wonderful Exhibitors program. This will be Tuesday and Wednesday evening sporting a cash bar, light Hors D'oeuvres and a truly unique opportunity to meet the people behind the companies!

ASGS 68th Symposium Seminars/Workshops

Seminar 1: Introduction to Glass Chemistry

Lenorah Haight-Stott

In this seminar, participants will be introduced to principles of glass chemistry including the behavior of different glass networks such as silicates, borates, and phosphates; phenomena that allow scientists to hone glass properties; and processes used to produce and shape more exotic glass compositions. The sources of color in glasses will also be discussed.

Seminar 2: Communication for Glassblowers

Erich Moraine

Your technical skills may get you the interview, but your interpersonal "soft skills" will get you hired or fired. Let's talk and share experiences about how relational skill building is essential for success as a scientific glassblower in industry, research, or for the self-employed.

Seminar 3: Dotstack and Opal Encasing with JuJu

Julia 'JuJu Glass' Straight

Synthetic opal encasement and dotstack demonstration. Combining the two for the final result of dotstack pendant with opal inclusion.

Seminar 4: Professional Writing

Lauren Aria

Writing is an essential tool to communicate ideas and information to others. With effective writing, one can publish important research in journals, receive grant awards, and have clear communication with collaborators/customers. This seminar will provide you with organizational methods to compose your writing, then cover grammar and revision tools to consolidate professional writing and publications. If you have writing you are already working on (grants, presentations, personal bios, Fusion journal articles, etc.), please bring them with you for editing and reviewing.

Seminar 5: An Introduction to Kovar Sealing

Vic Nunn

Objective: In this hands-on training session, Vic will guide participants in learning the art of Kovar sealing using Litton lathes. This comprehensive introduction will cover the essential skills and techniques required to successfully seal Kovar components.

Course Outline:

Precision metal preparation techniques for optimal sealing performance

Glass compatibility considerations for successful sealing

Sealing techniques using Litton lathes

Hands-on practice to reinforce learning

Seminar 6: Expert in a Dying Field

Danielle James

Join neon bender and historian Danielle James (DJ) from Hex Neon (Durham, NC) as she delves deeply into the fascinating history of the neon bending industry. Unearthing the often-overlooked ups and downs of neon's remarkable 115-year journey, she tackles thought-provoking questions such as: Who truly deserves the title of the "granddaddy" of neon? How did the tumultuous events of WW2 shape the vibrant explosion of neon in America? Were women really prohibited from working with neon? And how can you play a part in saving this mesmerizing art from fading away? All of this unfolds while she demonstrates the intricate patterning, bending, and "bombarding" of a clear neon skull. This seminar is to DIE for, don't miss it.

Seminar 7: Bethlehem GL-100 Maintenance and Adjustments

Christopher Bock

Learn about the intricacies of the GL-100 and how to keep it running straight and smooth.

Seminar 8: Overview of Neon Bending and Processing at Lightship Neon

Jared Haworth / Lightship Neon

Visit Lightship Neon in Raleigh to learn more about the history, art and science of neon sign-making. This seminar includes a tour of our workshop and demonstrations of glass tube bending and neon sign processing. Participants will have an opportunity to get hands-on in our bending torches and create their own illuminated souvenirs that will be shipped to you after being processed.

Seminar 12: On Demand Oxygen Systems - Theory and Practice

Scott Fleishman, OxygenFrog LLC

A detailed discussion of the practical advantages and limitations of oxygen generating systems specifically designed for frameworking shops. Additionally, a brief discussion of the Pressure Swing Adsorption (PSA) technology used in oxygen concentrators to separate the oxygen from ambient air will be presented. Questions from the group will be welcomed.

Allen B. Brown Workshop

Kevin Teaford

Priority will be given to Regular Members and as such will be available only to Regular Members till April 24. If there are still openings available after that time, I will be using a registration by application process for any interested non-Regular Members similar to the model currently being used by the Junior Member Workshop. (For the Allan B. Brown Regular Member Glassblowing Seminars, in lieu of the application process, Junior members will be referred by Chris Bock annually until they formally become Regular Members.) I will sort through the applications and select the additional attendees using the application information given to determine if the candidates meet the guidelines for attending the Allan B. Brown Glassblowing Seminars. Applications of non-regular members will be accepted once registration is opened. If the Seminars are full, they will be open to members for observation only.

DAY 1

On the Bench	"250ml Solvent Distillation Head"	instructor Ron Legge
On the Lathe	"No Hold Up Still Head" (Angled Ring Seal)	Instructor Ryan Tate

DAY 2

On the Bench	"Vacuum Jacketed Short Path Head"	Instructor Phillip Legge
On the Lathe	"80mm Fritted Chromatography Column"	Instructor Kevin Teaford

Painting with a Drink

Kelly Hall

Enjoy a painting tutorial while partaking in some beverages. This is a fun no pressure way to mingle with old and new friends. This is open to all members, non-members, guests and companions

Self-Guided Museum Tour

Kelly Hall

Have a day away from the hustle and bustle of the symposium with a trip to the North Carolina Museum of Natural Sciences and The North Carolina Museum of History. A shuttle will whisk you away from the hotel and bring you back with a bag lunch provided. This is open to all members, non-members, guests and companions

Fire Extinguisher Training

North Carolina Fire Department

Learn how to use a fire extinguisher by putting out a small fire. This is a hands-on affair with real fire, real fire extinguishers, and real firemen! This is open to all members, non-members, guests and companions. Space is limited, however spectators are welcome.

Joseph S. Gregar Junior Member Workshop Seminar

Chris Bock

This is a special no fee workshop seminar only given to Juniors and Student members. Entry is by way of application. The application process is open till March 28, after that the applicants will be notified if they are enrolled. Space is limited to just 12 members and is of no cost. The accepted member will also have a ticket for the Awards Banquet on Friday night. The process of being chosen is completely luck of the draw. The names will be pulled out of a hat and a list made, then the members will be contacted to confirm their acceptance. The program this year consists of making a Buchner Funnel, glass to metal seals, sealing quartz frits on the bench, sealing quartz capillary tubing and bending, vacuuming and testing for leaks, and finally making a jacketed mug that can be taken home.

Volunteer Firewatch

As a Firewatch Volunteer you will sit in on a seminar and make sure there are no fires. There are 3 morning and afternoon shifts for Tuesday and Wednesday, and one morning one afternoon shift for Thursday. You can sign up for the whole day or half a day. This is an opportunity to make sure no accidental fires start while observing a seminar at no cost. Tuesday and Wednesday watches are: Allen Brown Regular member and Joseph Gregar Junior Workshops. Thursday volunteers are for Demos. The volunteer can do both morning and afternoon on the same day, or pick one. The opportunity to volunteer as a Firewatch will be closed as soon as the slots are filled. Contact Chris Bock (ChrisB71@comcast.net) for more information.

The American Scientific Glassblowers 68th Annual Symposium

Hilton North Hills, Raleigh NC, June 23-27, 2025 Registration Form

Registration Options

<p>Member Registration \$250</p> <p>Includes Exhibits, Demos, Art Auction, Papers and Posters</p> <p>Member Day Pass \$95</p> <p>Select Tuesday, Wednesday or Friday</p> <p>Banquet and Awards \$85</p> <p>Friday June 27</p>	<p>Non-Member Registration \$270</p> <p>Includes Exhibits, Demos, Art Auction, Papers and Posters</p> <p>Non-Member Day Pass \$125</p> <p>Select Tuesday, Wednesday or Friday</p> <p>Guest/Companion Pass \$50</p> <p>Access to all events included in Member Registration</p>
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ADD-ON OPTIONS

Monday, June 23

Fire Extinguisher Training
1pm to 3pm, \$30

Tuesday June 24	Wednesday, June 25
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<p>Allen B. Brown Workshop 8:00am - 5:00 pm \$175</p> <p>Introduction to Glass Chemistry 8:00am - noon \$90</p> <p>Communication for Glassblowers 8:00am - noon \$90</p> <p>Dotstack and Opal Encasing Demo with JuJu 1:00pm - 5:00pm \$90</p> <p>Professional Writing 1:00pm - 5:00pm \$90</p> <p>Neon Bending and Processing at Lightship Neon (offsite) 7:30am-noon \$225</p>	<p>Allen B. Brown Workshop 8:00am - 5:00 pm \$175</p> <p>Introduction to Kovar Sealing 8:00am - noon \$175</p> <p>Expert in a Dying Field, Neon History and Demo 1:00pm - 5:00pm \$90</p> <p>Bethlehem GL-100 Maintance and Adjustments 8:00an - noon \$90</p> <p>On Demand Oxygen Systems Theory and Practice 1:00pm - 5:00pm \$90</p>
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	Up to June 10th	After June 10th
_____ Member Registration	250	300
_____ Non-Member Registration	270	325
_____ Member Day Pass, Tuesday, Wednesday, Friday	95	115
_____ Non-Member Day Pass, Tuesday, Wednesday, Friday	125	150
_____ Companion pass	50	60
_____ Banquet	85	110
_____ Allen Brown Day 1, Participant	175	210
_____ Allen Brown Day 2, Participant	175	210
_____ Seminar 1: Professional Writing	90	110
_____ Seminar 2: Introduction to Glass Chemistry	90	110
_____ Seminar 3: Communication for Glassblowers	90	110
_____ Seminar 4: Bethlehem GL-100 Maintenance and Adjustment	90	110
_____ Seminar 5: Introduction to Kovar Sealing	175	210
_____ Seminar 6: Dotstack and Opal Encasing Demo with JuJu	90	110
_____ Seminar 7: Expert in a Dying field, Neon History and Demo	90	110
_____ Seminar 8: Overview of Neon Bending and Processing at Lightship Neon (Off site)	225	275
_____ Seminar 12: On Demand Oxygen Systems – Theory and Practice	90	110
_____ Painting with a Drink	35	40
_____ Self-Guided Museum Tour with Lunch	15	20
_____ Fire Extinguisher Training	30	40

TOTAL _____

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Name (to appear on name badge at the meeting) Affiliation

Mailing Address

City/State/Zip

Phone

Email

Name of Guest/Companion

Dietary Restrictions

Method of payment:

Check Visa MasterCard American Express

Amount: \$ _____

Card#: Exp. Date: / CVV Code:

Credit Card Billing Address, City, State, Zip

(required): Cardholder's Name:

Signature:

Email or scan form to natl-office@asgs-glass.org

American Scientific Glassblowers Society
12110 N. Pecos St., Ste. 220 Westminster,
CO 80234

Questions? Call 716-353-8062

For Office Use Only:

Method of payment: Check Credit Card Cash

Date: _____ \$Paid _____ # _____

By registering for this conference, you give ASGS full and unrestricted permission to use your likeness, and voice in images, video, or audio. Furthermore, you agree to waive any rights to inspect or approve the final product

Joseph S. Gregar Junior Member Seminar Application

Contact Information:

Full Name: _____

Address _____

City: _____ State: _____ Zip: _____

Email: _____

Phone: () _____ Cell: () _____

(**The best way to be contacted while at the symposium is: _____)

Have you attended the Junior Member Worship before: (circle one) YES / NO

If so, which year(s): _____

Please provide an explanation of why you want to be in the Seminar

What do you hope to get out of the Seminar?

Please provide a brief description of your glass working experience:

Applicant Signature:

Complete and return to:

ASGS National Office

12110 N. Pecos St. Suite #220

Westminster, Co 80234

Fax: 866-880-3216

Email: NATL-Office@asgs-glass.org

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