

ACTORS
COLLECTIVE

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PHOTOGRAPH 51

by Anna Ziegler



JANUARY 25 & 26 2019 at the MUSEUM OF SCIENCE & HISTORY



WHO IS ROSALIND FRANKLIN?

Rosalind Franklin (1920-1958) was an English x-ray crystallographer and chemist who made contributions to the understanding of the molecular structures of DNA, RNA, viruses, coal, and graphite. Although the work she did with coal and viruses was appreciated in her lifetime, her contributions to the discovery of the structure of DNA have largely been recognized posthumously.

ACTOR'S NOTE

I love science. The rush I have felt when I made a discovery is second only to the rush of stepping from backstage into the light on opening night. I can only imagine the rush Dr. Franklin must have experienced the moment she looked at Photo 51. Her work. Her discovery.

When I was in grad school for my Biology degree I learned I almost didn't get a summer internship because someone said I was "difficult" to work with. When I spoke with my advisor he said not to worry about it, he knew who it was and "he just doesn't like women." I'm not sure what bothered me more: almost losing a great opportunity solely because I was female or being told not to worry about it. Unfortunately my story is very mild relative to the experiences many women in science have. In a career where the game is publish or perish women have the extra hurdle of just getting to a position where they can have the opportunity to enter the race.

In 1968, 10 years after Franklin's death, Watson published his account of the discovery of DNA. He was not generous to Franklin to say the least and dismissed the importance of her role in the work. In his book he tells the story of himself and Crick discovering the secret to life in The Eagle Pub in Cambridge. There is a plaque on the wall commemorating the event. A few years ago someone used a marker to add "+Franklin" to the plaque.

The lack of recognition Dr. Franklin has received until recent years in no way diminishes her contribution itself. Her image of DNA is the base of modern bioscience research. Without her work, I would not have had the chance to even think about a summer internship in the biological sciences. I think I would have liked her - and have been intimidated by her intensity of purpose. I hope I can do her justice and bring a bit more of her work from backstage, into the light.

— Karen Konzen, *Rosalind Franklin in Photograph 51*

“We could see everything, really see it —
except, sometimes, what was right in front of us.”

– Rosalind Franklin, *Photograph 51*

ACTORS COLLECTIVE and the MUSEUM OF SCIENCE & HISTORY presents

PHOTOGRAPH 51

by ANNA ZIEGLER

directed by CARYL BUTTERLEY

ROSALIND FRANKLIN Karen Konzen
MAURICE WILKINS Christopher Watson
RAY GOSLING Joshua Taylor
FRANCIS CRICK Christopher P. Farrell
JAMES WATSON Rich Pintello
DON CASPAR Mitchell Wohl

~ This play will be performed without an intermission ~

PHOTOGRAPH 51 is performed by special arrangement with Dramatist Play Service. It is the winner of the 2008 STAGE International Script Competition and was developed, in part, through the University of California, Santa Barbara’s STAGE Project by the Professional Artists Lab (Nancy Kawalek, Director) and the California NanoSystems Institute. PHOTOGRAPH 51 was developed by The Ensemble Studio Theatre/Alfred P. Sloan Foundation Science and Technology Project and received its New York premiere at the Ensemble Studio Theatre on October 27, 2010. Originally commissioned and produced by Active Cultures, the Vernacular Theatre of Maryland. Opening Night on Sunday, February 10, 2008. PHOTOGRAPH 51 was developed by the Cape Cod Theatre Project.

THANK YOU

The following people and organizations helped make this performance possible: Bob & Carolyn Strong, Mark & Cheryl O’Connor, Anne Roberts, All Beaches Experimental Theatre, Apex Studio Theatre, and The 5 & Dime.



KAREN KONZEN (Rosalind Franklin) has a long list of stage credits including lead roles in *A Picasso* (The 5 & Dime), *On the Verge* and *Macbeth* (Atlantic Beach Experimental Theatre), *The Fox on the Fairway* and *Conversations After a Burial* (Players by the Sea), *Tea and Sympathy* (Theatre Jacksonville), and *House of Blue Leaves* (Limelight Theatre). She is also an accomplished film actress whose credits include the

lead role of Maya "Thunder" Brown in *Thunder* (official selection of the Sunscreen Film Festival), the principal role of Helen in *Cry for the Bad Man* (starring Camille Keaton), and the lead role in two of filmmaker Kendall Brunson's most recent shorts *Grab This!* and *Box* (featured in the Loft Film Festival). In addition to her acting resume, Karen has an MS in Biology from the University of Mississippi, with a background in molecular biology and genetics, and experience in both research and lab work. She currently works for Mayo Clinic in the Research Project Management Office.



CHRISTOPHER WATSON (Maurice Watkins) is excited to be doing this production of *Photograph 51!* You may have seen him in some other shows across town as Professor Cope in *The Explorer's Club* (TJ), Felix Geisle in *The Game's Afoot* (TJ), Robert Lambert in *Boeing Boeing* (TJ) or over at Player's by the Sea as Lord of the Underworld in *Eurydice* and Frederick / Phillip in *Noises Off!*.



JOSHUA TAYLOR (Ray Gosling) is a Jacksonville native who received his theatre degree from Florida School of the Arts. He most recently portrayed Joe Farkas in Theatre Jacksonville's *Last Night of Ballyhoo*. Additionally, he has brought to life the iconic Captain Hook in *Peter Pan*, and originated the role of Checkley in the world premiere of *St. George & The Dragon*, both under the direction of Jason

Woods. He has also worked with Jacksonville Beach's Players By The Sea in *Bloody Bloody Andrew Jackson*, *The Merchant of Venice*, *A Moon for the Misbegotten*, *Parade*, *Bill W. & Dr. Bob*, and *A Perfect Ganesh*, and premiered *Hair* in Amelia Island. Other past performances include roles in *Twentieth Century*, *Night of January 16th*, *Dearly Beloved* (Best Supporting Actor Award), *Our Town*, and *Romeo & Juliet* at Theatre Jacksonville. He is also a founding member and artistic board member of The 5 & Dime, A Theatre Company (www.the5anddime.org), and has appeared with them onstage in *Machinal*,

Bent, Elegies for Angels, Punks, and Raging Queens and *33 Variations*. He would like to thank his incredibly loving and supportive family and friends, as well as the tirelessly dedicated cast and crew. He dedicates this performance to his mother and father, who continue to provide daily inspiration in all areas of his life. "An actor is a sculptor who carves in snow."



CHRISTOPHER P. FARRELL (Francis Crick) has never really enjoyed writing bios for programs. Rather than listing his community engagement, he would rather invite you to discuss with others the importance of civic engagement. Independent voters now outnumber registered Democrat and Republican voters by almost half, according to recent Gallup

polls, with non-party affiliated voters making up 46% of all active voters. Membership in and satisfaction with both parties hovers in the low twenties. Well more than half of voting Americans have been disenfranchised by the two party system, with over 100 million Americans not exercising their right to vote in 2016. Mindful of that, let us seek to avoid tribalism and instead strive towards finding and strengthening the connections in our homes, neighborhoods, and communities. After all, we're all in this thing together.



RICH PINTELLO (James Watson) is an actor you may remember from 2018 stage productions such as *Noises Off* (Frederick Fellowes) by Phase Eight Theater Company, *Mamma Mia* (Harry Bright) by Theatre Jacksonville, *Venus in Fur* (Thomas Novachek) by Self Produced Theatre, *Pontypool* (Nigel Healing) by Players by the Sea, *Arsenic and Old Lace* (Mortimer Brewster) by Theatre Jacksonville, *The Crucible* (John

Proctor) by The Island Theater, and *Mass* (Bill Williams) by Phase Eight Theater Company.



MITCHELL WOHL (Don Caspar) is excited to be back at MOSH helping to bring this fantastic play to life! He was last seen in the Island Theater production of *The Crucible* as Reverend Hale. Other recent credits include *Love's Labor's Lost* (King Navarre), *City of Angels* (Stine), *The Hot I Baltimore* (Suzy's John), *Into the Woods* (Cinderella's Prince), *Godspell* (John the Baptist/Judas), *The Miracle Worker* (James Keller),

and *La Caroline* at MOSH (Jean Ribault). Immense thanks to Caryl for the opportunity!

CARYL BUTTERLEY (Director) was a working producer, director, and actor in New York City for over 20 years before relocating to Jacksonville. While in New York, she spent a season with the Manhattan Theatre Club as assistant production manager, working on the Broadway production of *A Small Family Business*, as well as the Off-Broadway productions of *Lips Together Teeth Apart*, *Sight Unseen*, *The Extra Man*, and more. Her NY directing credits include *Loves and Other Losses*, *Fall River Tragedy*, *Dr. Jekyll and Mr. Hyde*, *When Michael Died*, and a concert performance of the new musical *Fallen Angel* at Bay Street Theatre, featuring the legendary Phoebe Snow. She also served as Artistic Director on the symphonic recording of the new musical *Eagle Song*, and produced and directed the cabaret series *Downtime* at Eighty-Eights. Caryl studied theatre at the University of Minnesota, acting with Sandy Dennis at HB Studio, musical performance with Betty Buckley, and is a former fellow with the Eugene O'Neill Theater Center. Since moving to Jacksonville, Caryl's work with the local theatre community has included directing *The Sugar Bean Sisters*, *Once On This Island*, *Love, Loss, and What I Wore*, and *On The Verge* at All Beaches Experimental Theatre, and *Fahrenheit 451* and *A Picasso* with The 5 & Dime, of which she is a founding member.

DIRECTOR'S NOTE

When I was a kid, I loved science. I got a microscope one Christmas and proceeded to ask everyone I knew to prick their fingers and would spend hours peering at blood samples. I adored looking at the night sky, memorized all the constellations, and imagined what it would be like to explore the galaxy. I spent a whole summer going to my neighborhood creek, taking water samples and "analyzing" them for... well who knows what.

I have no idea why that interest went away. Maybe it was simply replaced by my growing fascination with the arts, or maybe, just maybe, it was because my science teacher only tasked the boys with doing the cool experiments and none of the scientists I heard about or saw in movies and television looked like me.

I'm thrilled there is a new generation of kids who have begun to hear about ALL those who made and continue to make contributions to the sciences. Representation matters and the stories we choose to tell send a message as to who and what is important in our community.

So I offer this story today as a gift to all of us who were kids who liked to ask "why", and to honor those who persevered and changed history.

— Caryl Butterley, *Director of Photograph 51*



Actors Collective is the brainchild of Caryl Butterley. Our mission is to partner with local organizations in presenting theatrical storytelling that compliments their missions and areas of focus while creating opportunities for actors to be compensated for their work. Photograph 51 is our debut performance.

Due to the generosity of a local theatre patron, the modest production costs of this performance have been covered. Money made from ticket sales goes directly to the cast and creative team.

To find out about our upcoming projects, sign up for our mailing list ...

www.actorscollective.com

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BACKYARD ADVENTURES TRAVELING EXHIBITION

January 19 – May 12 | Step into a garden of wonders to experience the fascinating science that's literally in our own backyard in our newest traveling exhibition, *Backyard Adventures!* Guests will discover the outdoors from the perspective of a bee, take a walk through a digital garden to see plants growing in super time and investigate the creatures that only come out at night!

MOSH AFTER DARK

Join us on the last Thursday of each month from 6 to 9p.m. and experience the wonders of a Museum after-hours! MOSH After Dark presents the latest topics in science, technology and history through hands-on workshops and programming that includes enlightening conversations, Museum exploration, food and drinks. This program is 21+.

JAX AQUAFEST 2019

February 2 | 10a.m. – 4p.m. | Learn different ways you can support our community efforts to safeguard our water and the animals and plants that call the St. Johns River home. Special programming, exhibitors and activities are available throughout the day. Free Museum Admission sponsored by the City of Jacksonville's Environmental Protection Board.

JACKSONVILLE MINI MAKER FAIRE

February 16 | 10a.m. – 5p.m. | A one-day family friendly event to MAKE, build, hack, sew, learn, write, see, swap, connect, craft, play, invent, think and be inspired. For more information, visit jacksonville.makerfaire.com

— For all upcoming programming, visit themosh.org —