



Vol. 8-1

## PGRC Pitch Meter

Spring 2017

### HAAG 3D Imaging: Mind-blowing Technology

Rob Ashley and a team from HAAG 3D Solutions donated time and equipment to create 3D laser scans of the interior and exterior of the boathouse. These scans yield high resolution photos of problem areas, making it easier to model solutions for preservation. 3D modeling is the process

of creating a three-dimensional surface of an object by using specialized software. 3D models are useful tools on projects from the design phase through the construction phase to a detailed as-built model. The model is accurate to within 1/8," so that CAD drawings can be developed directly from the 3D model.



Contact us via our website  
[Philadelphiagirlsrowingclub.org](http://Philadelphiagirlsrowingclub.org)

≈  
Like us on Facebook  
Philadelphia Girls Rowing Club

Next members' meeting  
May 4, 2017, 7:00pm

Philadelphia Girls' Rowing Club  
#14 Boathouse Row  
Kelly Drive  
Philadelphia PA 19130

# PGRC Pitch Meter

## HAAG 3D Imaging (cont.)

Rob presented to the membership on March 2, with a spellbinding description of the power of this technology. Each scan holds a billion points, and each point has  $x$ ,  $y$  and  $z$  coordinates in space. From this enormous “Point Cloud” of building data, we can create drawings, like elevations and cross-sections, of the building. If you draw a line on the image, you can get a measurement that falls within a 1/8” tolerance. For example, a cross section down the centerline along the length of the boathouse shows an existing 8” sag in the floor. From these drawings it’s possible to measure the length of a needed beam replacement, the amount of cracking in stones – or even the size of new window curtains!



James Ragonese of HAAG 3D explains, “The images represent a model of the Philadelphia Girls’ Rowing Club with Point Cloud. The lighter colors on the building are actually the model while the dark gray colors are the Point Cloud. So the light gray stones do not actually represent the stone work of the building, but the Point Cloud does. The images, I feel, have a nice blend of the two.”



# PGRC Pitch Meter

## Member Spotlight: Karen Crowley

After her friend Jean Yudin had been talking about rowing and how much fun she was having, Karen joined PGRC in 2013, in a “great novice class, coached by Mari Falco.” She says they were pushed to race from the beginning, which gave the novices a goal to work towards. Karen says, “We all enjoyed each other and still enjoy racing together.” Her background in long distance cycling helped her come to rowing with strong legs and lungs, so she didn’t need to get over the fitness hurdle that many new members face. Karen provides technical support for Unisys products, including IT services, software and technology. She serves 27 countries and travels frequently to meet with clients.

The 2013 Rookie Regatta was her first event, and she has gone on to be a steady member of PGRC’s racing team. In addition, she also sells team uniforms and most recently has agreed to serve as Treasurer for the Preservation Campaign.

“I like the way someone like me with no prior experience can start rowing in my 50s and find great companionship while getting good exercise,” Karen states. “I’m trying to make my contribution to the boathouse as I can. Preserving the boathouse is important.”



Sprint racing 2015, from left:

Lauren Malinowski, Ronnie Sanchez, Maria Mendez, Katie Mullen, Teresa Savard, Clara Lefton (kneeling), Liz Smithers, Karen Crowley, Michelle Baymor, Heather Hollis

# PGRC Pitch Meter

## State Representative's Visit

On April 13th, PGRC members were proud to host The Honorable Donna Bullock, member of the Pennsylvania House of Representatives, representing the 195<sup>th</sup> House district in Philadelphia, Pennsylvania. Donna had a tour of the boathouse and a brief review of its significant place in the history of rowing and in women's sports. She also got a close-up view of our preservation project and the work that's been accomplished so far.



Photo, left to right: Elizabeth Milroy, PGRC Historian; Blake Adams, Captain; Dona File, Chair Building Committee; Rep. Donna Bullock; Sophie Socha, PGRC President

# PGRC Pitch Meter

## From the Captain

Spring can bring tricky weather. Do you want to know if you can row – before you arrive at the club and see this?



(Photo taken April 7, 2017)

Check out the PGRC website: [PhiladelphiaGirlsRowingClub.com/News-and-Resources/Resources](http://PhiladelphiaGirlsRowingClub.com/News-and-Resources/Resources) and find the links for water quality and temperature, flow rate and height. According to the Schuylkill Navy Rules of the River, all rowing is prohibited when streamflow exceeds 18,000 cfs. (Cfs = cubic feet per second. Think about it.) Novices are cautioned not to row when streamflow exceeds 8,000 cfs. Stay safe!

If you choose to go out, stay alert for hidden snags that can lurk just under the surface. If your boat bumps something, immediately **HOLD WATER** to stop the boat hull from going all the way over it and breaking off the fin. Then back off the snag.

### PGRC Pitch Meter

Diana Post, Editor

Banner image from The Library Company of Philadelphia

#### Content from:

Blake Adams  
Cindy D'Ambrosio

Karen Crowley  
Dona File