

**Society for Industrial Archeology - Industrial Heritage Preservation Grant  
Grant Application Cover Sheet**

Date of application:	1. 02/20/2013	Title of Grant:	2. Ready, Aim, Restore!
3. David Clark		4. 843-881-5985	5. dclark@patriotspoint.org

*Name of Principal Researcher (Send PDF of CV with this application)*      *Phone*      *E-mail*

6. 40 Patriots Point Road	7. Mt. Pleasant, SC 29464
---------------------------	---------------------------

*Address*      *City, State, Zip*

8. Patriots Point Naval & Maritime Museum Fdn, Marcy Wynn	9. 843-881-5920	10. mwynn@patriotspoint.org
---	-----------------	-----------------------------

*Name of Project Sponsor (Organization and contact name)*      *Phone*      *E-mail*  
*(Send PDF of letters of sponsorship or collaboration)*

11. 40 Patriots Point Road	12. Mt. Pleasant, SC 29464	13. 51-0195240	14. Public, 501(c)3
----------------------------	----------------------------	----------------	---------------------

*Address*      *City, State, Zip*      *Tax ID*      *Type of Tax Status*

15. N/A	16.	17.
---------	-----	-----

*Name of Project Co-Sponsor (s)*      *Phone*      *E-mail*  
*(Send PDF of letters of sponsorship or collaboration)*

18. N/A	19.	20.	21.
---------	-----	-----	-----

*Address*      *City, State, Zip*      *Tax ID*      *Type of Tax Status*

22. Patriots Point Naval & Maritime Museum Foundation	23. 843-766-0400	24. bnewton@lbhccpas.com
---	------------------	--------------------------

*Name of person or organization receiving the check*      *Phone*      *E-mail*

25. P.O. Box 309	26. Mt. Pleasant, SC 29465
------------------	----------------------------



*Address*      *City, State, Zip*

27. Brief Description of Project (Send full project summary & application narrative in PDF) The Patriots Point Naval and Maritime Museum Foundation is requesting \$3,000 in grant funding to preserve three MK 56 Gun Directors aboard the USS Yorktown. Due to old age and weather conditions, the gun directors are on the verge of deterioration. Funding would be used to repair corrosion, cracked or broken glass in viewing ports, entrance ladders, inspection panels, and add a new coat of mastic primer and paint.
---

28. Project start date:	07/01/2013	29. Project end date:	06/30/2014
-------------------------	------------	-----------------------	------------

30. Is this a new proposal ?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
31. Is this a resubmitted proposal ?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
32. Are you a previous SIA Grant Awardee ?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
33. Is this grant your only funding source ?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

34. Total dollar amount requested: <i>(send PDF of full budget)</i>	\$ 3,000.00
35. Total matching funds:	\$ 3,000.00
36. Total project budget:	\$ 6,000.00

37. Print Name of Principal Researcher:	David Clark
38. Signature (Please fax or scan/send PDF)	
39. Print Name of Sponsoring Org. Official	Ben Newton
40. Signature (Please fax or scan/send PDF)	

# Ready, Aim, Restore!

*Restoring MK 56 Gun Directors aboard the USS Yorktown*



Marcy R. Wynn  
Grants Coordinator  
Patriots Point Naval & Maritime Museum  
[mwynn@patriotspoint.org](mailto:mwynn@patriotspoint.org)  
(843) 881-5920

Society for Industrial Archeology  
Industrial Heritage Preservation Grant Proposal

---

**Project Summary**

Near the end of World War II, US Navy fleets had to respond to an increasing amount of Japanese kamikaze attacks. Gun fire-control systems (GFCS) were installed on aircraft carriers to fend off the air attacks; capable of using multiple caliber weapons on the same target. The USS Yorktown was among the aircraft carriers to receive GFCS.

In 1951, when the USS Yorktown underwent modification, MK 56 Gun Directors were added. She originally had four, but when her armament was reduced to four single 5"/38 caliber gun mounts, the number of gun directors was reduced to three. They included early analog computers for target calculation, which was important in a post-World War II environment where attacking aircraft flew faster and higher. A two man operating crew manned the left side, the inside contained tracking controls, and the right side contained watertight compartments housing a gyro and MK 35 radar.

The MK 56 Gun Directors served an invaluable purpose to protect sailors aboard the USS Yorktown and we want to preserve them in order to enhance the public's understanding of their significance to naval and maritime history and industrial heritage. Like the Society for Industrial Archeology, we understand the importance of preserving physical survivals of industrial development thus we are requesting \$3,000 for preservation efforts. Grant funding would go toward the cost of repairing corrosion, replacing cracked/broken glass in viewing ports, repairing entrance ladders, replacing missing bolts in inspection panels, and coating with mastic primer and a new coat of paint.

Key personnel that will be involved in this project are David Clark, Director of Museum Services, and Melissa Buchanan, Curator of Collections; both are highly qualified to oversee this project and will assure all bases are covered before, during, and after the project's completion. Please join us in our journey to preserve this special piece of America's early industry, important to both the integrity of preservation and the history of this incredible maritime facility.

## Application Narrative

**1. Documentation of need for the project: What is the proposed project's significance to industrial heritage? Explain how the project will contribute to historical industrial resources or to a broader public understanding of industrial heritage preservation.**

The USS Yorktown is an incredible piece of industrial heritage; physical evidence of early industry and significant in its involvement in war. Gun directors were installed on the ship in the 1940s and upgraded in 1951 to the MK 56 model. Due to their old age and inclement weather, they are on the verge of deterioration. By preserving the three MK 56 Gun Directors, the project will contribute to historical industrial resources. We will also place a sign by all three gun directors upon completion of the project that indicates the Society for Industrial Archeology's contribution to preservation efforts, thus broadening public understanding of industrial heritage preservation.

**2. What research methods will you employ? Explain how research or other activities will be conducted. Cover methods, objectives, tools, and a timetable.**

Research for conducting this project is within arms' reach onboard the ship. A research and technical library are onboard as well as access to the ship's original engineering log and technical drawings. Thus we are very familiar with the MK 56 Gun Directors and their history on the USS Yorktown.

To conduct this project, we will first do corrosion repairs on the needle gun base of the director and the electric wire brush. We will also perform light sanding of other areas. Next we will repair the entrance ladders by replacing their steps and rails; re-welding will be performed. Next we will replace missing bolts in the inspection panels and replace the cracked/broken glass in the viewing ports. Lastly, we will add a new coat of mastic primer and new coat of haze gray paint.

**3. Who is responsible for your project? Name key personnel and describe their qualifications and project responsibilities. Attach resumes and letters as specified under "Support Materials."**

Key personnel that will be involved in this project are David Clark, Director of Museum Services, and Melissa Buchanan, Curator of Collections. We are confident in their ability to assume responsibility and assure the project is completed in an efficient, timely, and professional manner. Resumes for both Mr. Clark and Ms. Buchanan are attached.

**4. What tangible products do you expect to produce with this project? Please be specific about materials you plan to create in connection with the project; i.e. publications, photographs, videos, drawings, archival materials, reports, and digital format. Explain how such materials will be circulated, stored, and distributed.**

The public will be informed of preservation efforts through several outlets of communication; i.e. social media, newsletters, etc. Our social media outlets are used daily and our newsletters are distributed on a quarterly basis. The preservation plan for this project will be stored in the museum archives and be available as a planning tool for any future preservations or restorations. If funded, the Society for Industrial Archeology will also be recognized for its contribution to this preservation project.

## Preservation of MK 56 Gun Directors Budget

Description	Party Responsible	Cost Estimate	Estimated Time
Corrosion Repairs	Museum Staff	\$2,500	168 hours
Glass Replacement for Viewing Ports	Museum Staff	\$750	120 hours
Entrance Ladder Repairs	Museum Staff	\$1,000	120 hours
Missing Bolts in Inspection Panels	Museum Staff	\$250	48 hours
Mastic Primer and Paint	Museum Staff	\$1,500	120 hours
		<b>TOTAL \$6,000</b>	

\*Other Contributions: N/A

\*Travel/Mileage: N/A

**Melissa Buchanan**  
Patriots Point Naval and Maritime Museum  
40 Patriots Point Road  
Mt. Pleasant, South Carolina 29464

---

## **Curriculum Vitae**

### **Education**

- 2008 Master of Arts in History with a concentration in Public History**  
University of West Georgia, Carrollton, Georgia 30117
- 2003 Bachelor of Arts in History**  
College of Charleston, Charleston, South Carolina 29424

### **Experience**

**Curator of Collections** June 2009-Present  
**Patriots Point Naval and Maritime Museum**  
**Mt. Pleasant, South Carolina**

- Responsibilities include: inventorying and cataloguing of approximately 100,000 artifacts related to naval and maritime and naval aviation. Oversee the archival material and records management for the museum. Developed Veteran's Oral History program for use in the ship's tour routes and for research purposes. Exhibit text writer for Ships Named Yorktown and Women in the Navy.

**Assistant Collections Manager** 2007-June 2009  
**Patriots Point Naval and Maritime Museum**  
**Mt. Pleasant, South Carolina**

- Responsibilities included: Assist with archiving and cataloguing of artifacts.

**Project Director, West Georgia Textile Mills, Center for Public History** 2006-2007  
**University of West Georgia**  
**Carrollton, Georgia**

- Responsibilities include: Conducting and transcribing oral interviews, researching local, state and federal documents, Sanborn maps and planning exhibits, archiving textile materials such as documents, ledgers and fabric samples. Supervise graduate and undergraduate research assistants in the archiving of textile mill materials. Further duties include writing, selecting photographs and artifacts for an exhibit on textile mills in the West Georgia area.

**Library of Congress Veteran's History Project** 2006 Intern  
**Atlanta History Center**  
**Atlanta, Georgia**

- Responsibilities included: reviewing and preparing the oral history transcripts for archiving at the Library of Congress as well as the Kenan Research Center. Prepared an Excel based searchable database for all the veterans interviews was the final task. In addition, the de-installation of *V for Victory: Georgia*

*Remembers World War II* afforded the opportunity to learn how to install and de-install cases, handle mannequins with period clothing, remove artifacts and store them. Condition reports were also completed.

**Project Co-Director, West Georgia Textile Mills** 2005-2006  
**Center for Public History**  
**University of West Georgia**  
**Carrollton, Georgia**

- Responsibilities include: conducting and transcribing oral interviews, researching local, state and federal documents, Sanborn maps and planning exhibits. Further responsibilities included archiving textile mill materials such as documents, ledgers and fabric samples.

**Intern** 2003-2005  
**Greenville County**  
**SC Historical Society**

- Responsibilities included: archiving and arranging photograph records of Greenville County, SC and surrounding areas, using Past Perfect software program.

#### **Publications**

Fall 2005, Introduction to Public History class project: Team Leader, responsibilities included supervising undergraduate research, illustration and photograph selection and design, research was used to design: "From Rural Roots to Global Impact," University of West Georgia 2006-2007 Centennial Calendar.

#### **Affiliations**

Charleston Archives Libraries and Museums (CALM)  
South Carolina Federation of Museums  
American Association of Museums

#### **Organizations**

2006 Phi Alpha Theta



# David Clark

40 Patriots Point Road – Mount Pleasant, SC  
dclark@patriotspoint.org  
843-881-5985

---

## EDUCATION

**College of Charleston, 1986-88**  
Continuing Education Program

## EXPERIENCE

**Patriots Point Naval & Maritime Museum**  
USS Yorktown, Mount Pleasant, SC

1978 - Present

- Director of Museum Services, 2009 – Present
- Exhibits/Aircraft Curator, 1999 – 2009
- Aircraft Curator, 1994 – 1999
- Exhibits Curator, 1989 – 1994
- Interim Curator, 1984 -1989
- Graphic Artist/Assistant Curator, 1979 – 1984
- Aircraft Maintenance Assistant, 1978 – 1979