

Stressed About Pests?

A panel led discussion on Integrated Pest Management

Rachael Perkins Arenstein

American Institute for Conservation 2014 Annual Meeting, Textile Specialty Group Stressed about pests? A panel led discussion on Integrated Pest Management

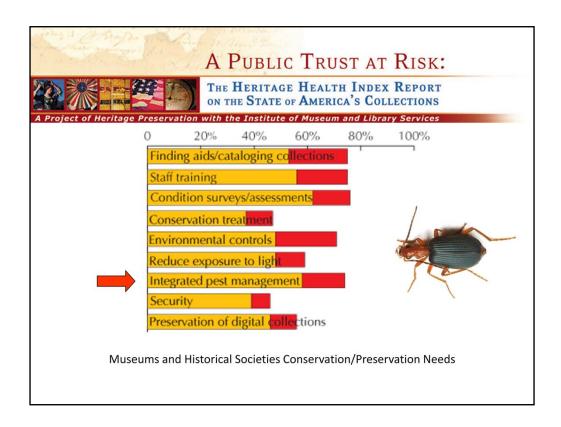
Abstract:

Integrated Pest Management (IPM) is becoming increasingly accepted by museums as a vital part of their conservation and collection care practices. IPM's comprehensive and proactive approach emphasizes pest prevention to avoid the need for drastic remedial action. The panel members will present their own diverse experiences, and then will facilitate an audience-wide discussion about the challenges presented by pests to textile and other collections.

Patty Silence, Conservator of Museum Exhibitions and Historic Interiors at the Colonial Williamsburg Foundation (CW), will discuss the challenges of implementing IPM in a large institution with historic and contemporary structures. CW's current program developed out of a one-year inter-departmental collaboration to develop a request for pricing (RFP) for a pest control contract and resulted in a Foundation-wide program, managed by a conservator and a full-time IPM technician. She will share how an all-inclusive, holistic program has saved money and time, reduced pesticide use, and most importantly improved conditions for collections, from individual items such as textiles and furniture to entire buildings.

Bernice Morris will share her experiences as IPM Coordinator at the Philadelphia Museum of Art. She will discuss the development of a written IPM policy and the challenge of making the best use of monitoring data. She will also present the systems put in place at the PMA for preventing infestations in its costume and textile collection.

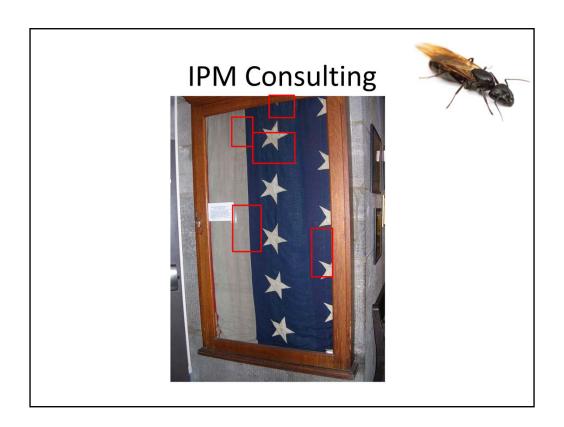
Rachael Perkins Arenstein, currently the conservator at the Bible Lands Museum Jerusalem but a former conservator in private practice at A.M. Art Conservation will speak about challenges she has seen as a consultant working with small to mid-size museums in developing pest management programs, and the resources that the IPM Working Group has developed to meet those needs.



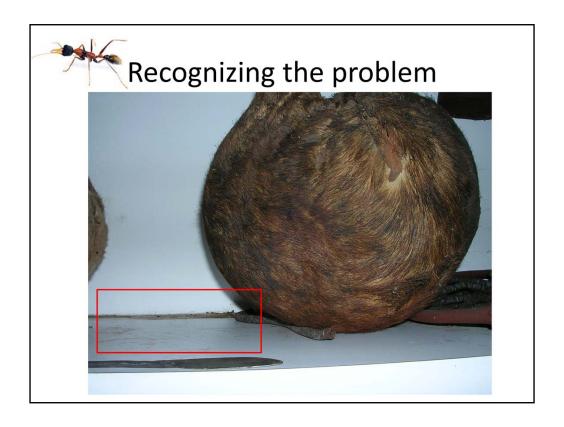
I'm sure that many of you are aware of Heritage Preservation's 2005 survey investigating the state of preservation at our nation's cultural institutions which was published in 2005 as the Heritage Health Index. The survey found that approximately 75% of the museum and historical societies across the nation lacked an integrated pest management program even though 20% considered such a plan an urgent need.



I don't think this number shock you all — everyone here has probably seen how IPM can be put on the back burner in favor of more pressing problems, or tasks that can be more easily accomplished. Collections Care staff members often know that they should be doing it — but they still may be at a loss as to how and so there is still much work to be done.



In the past 10 years in private practice my business partner Eugenie Milroy and I have worked with a large number of small to mid-sized museums and we have found that virtually every one has some sort of pest issue — whether insects or rodents. What it took us some time in the beginning of our careers in private practice to realize though was that most institutions didn't even recognize the extent of their problem or how extensive the damage was. For instance the holes in the fabric of this flag were thought to be age or even light damage, not grazing from pests.



This debris here was thought just to be dust and some loose hair rather than frass and substantial hair loss from an extensive infestation.

Institutional Challenges

- Understaffed
- Elderly staff
- Under-resourced
- Overcrowded
- Grossed out





Many of these institutions share some basic challenges:

- Understaffed
- Elderly staff
- Under-resourced
- Overcrowded
- Grossed out

Let's face it, bigger institutions have the same issues but they are acute when you have a staff of three.



Basic Mistakes

- 1. Bad online information
- 2. Inappropriate products
- 3. Not considering health and safety of staff







Even the institutions that are doing OK in some basic preservation categories and know that managing pests is important are making some basic mistakes:

- 1. They are getting bad online information for instance using sprays meant for personal use on collection items
- 2. And they are using inappropriate products often thinking that natural products are safer for collections and staff
- 3. And they don't always recognize the dangers of products used in the past or why they shouldn't be using those pesticides now

Mission Statement

The mission of the Integrated Pest Management Working Group is to promote and facilitate best practices in pest management for the collections and cultural heritage communities.



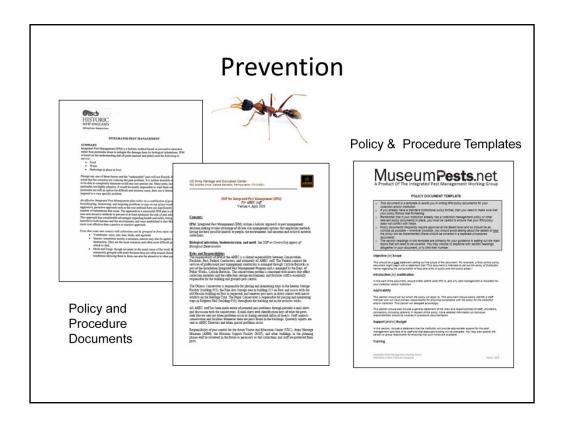
The reason I'm here on this panel today is because of my involvement in founding the Integrated Pest Management Working Group, known as the IPMWG, which is an ad hoc group of museum and pest professionals who have been meeting for the past ten years, initially to collaborate in dealing with our own institutional pest problems, and eventually evolving into creating resources to help others identify and manage their pest issues.



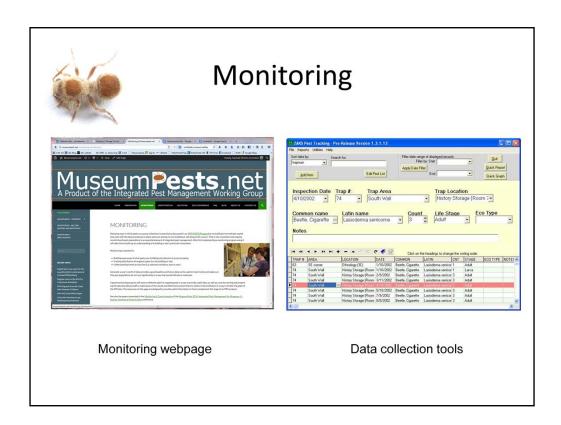
Hopefully you are familiar with our two biggest contributions: One is the PestList listserv which allows for communication on IPM concerns between 600 museum staff, entomologists and pest management professionals.



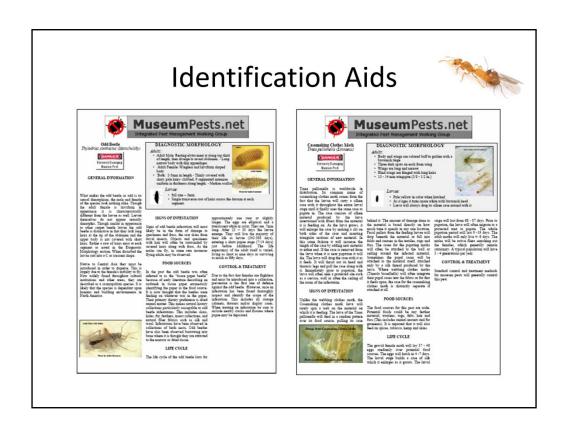
And secondly, the MuseumPests.net website where we have resources for each element of a sound IPM program including:



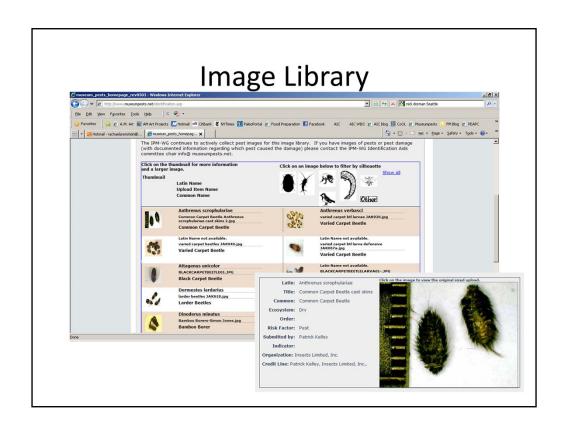
Information on prevention techniques – both physical and procedural



Tips for monitoring including trap selection, use of pheromones and aids for collecting and analyzing your data.



Identification aids such as our pest fact sheets



And an image library



And we have information on choosing and carrying out remedial treatments when they are necessary.



In addition to our online activities, we've made some forays into the physical world teaching a workshop at AIC's 2013 annual meeting in Indianapolis.



The IPMWG annual two day meetings are designed as working sessions where we create and update the material on the website. They are not training sessions in IPM but every year people contact us asking to come – which indicated that there is a real need for training that is not being met merely with online resources.



So, to celebrate our ten year anniversary this past March we worked with Patty and her preservation team at Colonial Williamburg to hold a conference and workshop. We had over 80 attendees including some of the leading researchers and practitioners in North America and Europe.



Almost all the papers and posters are now available online



Despite the work we've done and the information we've put out the needs remain great and it is frustrating to combat great need and millions of pests. But we can't just chuck it all. We have to collect ourselves and keep moving forward.

What You Can Do

- 1. Educate yourself on IPM
- Offer remedial treatment services
- 3. Develop relationships with pest management professionals
- 4. Understand the health and safety concerns
- 5. And...



Here's a few things we believe that any conservator can and should do...

- 1. Educate yourself on the proper implementation of IPM
- Offer remedial treatment services to sister institutions or as part of your client services. If you have a freezer or a bubble you can let nearby institutions use space in your units. Or invest in the materials and learn how to do safe anoxic treatments
- 3. Develop relationships with pest management professionals. There are some who use IPM as a buzzword but don't actually practice it and others who know their stuff. We have resources going up soon on the website to help educate PMPs on why working in museums and with collections is a different ballgame
- 4. Educate yourself on the health hazards of pesticides and the ways to protect yourself if you are working with contaminated collections.
- 5. And, last but not least...



Join us! We are always looking for new ideas on what people need to understand and implement IPM as well as new participants to help us create these resources. I hope if you have questions or ideas that you will contact me so we can continue to spread the gospel of IPM for collection care professionals.

THANK YOU

- Participants in the Integrated Pest Management Working Group and their institutions
- Leon Zak, Zak Software
- Pest images courtesy of Alex Wild <u>www.myrmecos.net</u>

