

Integrated Pest Management and the Case of What Dun It?

Chair:

James Bryant- *Curator of Natural History, Museum Department, City of Riverside, Riverside, CA*

Presenters:

Patrick Kelley,- *General Manager, Insects Limited, Westfield, IN*

Michael Schuetz- *Collections Technician, Historic New England, Collections and Conservation Center, Haverhill, MA*

This session will be broken down into five stages:

Stage 1

- Definition of IPM and how it functions in public facilities like museums.
- Introduction to the biology and ecology of pest vertebrate and insect species- referencing environmental factors, relative size and ecological occurrences, general anatomical descriptions and sign.
- General introduction to pest monitoring and mitigation measures- discussing topics like traps and treatment methods, and referencing diagrams in the handouts and presentation. Specific references to applications in historic houses.

Stage 2

- Distribution of 'real-life' scenarios to breakout groups and description of group activities: There will be three groups, each covering a specific scenario. Each group will elect a moderator and a reporter.
- The PowerPoint will show the 'order of business,' laying out the steps each group will need to take. The *Common Insect Pests* poster will serve as an identification aid.

Stage 3

- Groups go through their scenarios, noting deductions at each stage, drawing conclusions and creating a viable 'plan of action.' The moderator will lead their respective groups through the scenarios and the recorder will summarize the group's conclusions.
- Session Chair and Presenters will circulate to answer procedural questions.

Stage 4

- Reporter from each group presents findings and conclusions, with comments from the Chair and Presenters.

Stage 5

- General questions and comments.

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Power Point Overview

I. What are pests?

- Categories, Definition, Description
- Why are they there?
- Environmental conditions, Needs, Adaptability

II. What is Integrated Pest Management (IPM)?

- Definition, Description, Implementation

III. IPM Program Components-

- Housekeeping
- Isolation-Quarantine
- Monitoring & Inspection
- Identification & Documentation
- Treatment actions

IV. IPM Implementation & Accounts-

- Evaluation & Thresholds
- Education- Staff, Public
- Review & Revision- Staff, Team, Directors, Board

V. Pest Management Case Studies

- *“The Case of the Broken Bat”*
- *“The Case of the Devoured Duck”*
- *“The Case of the Holy Table”*