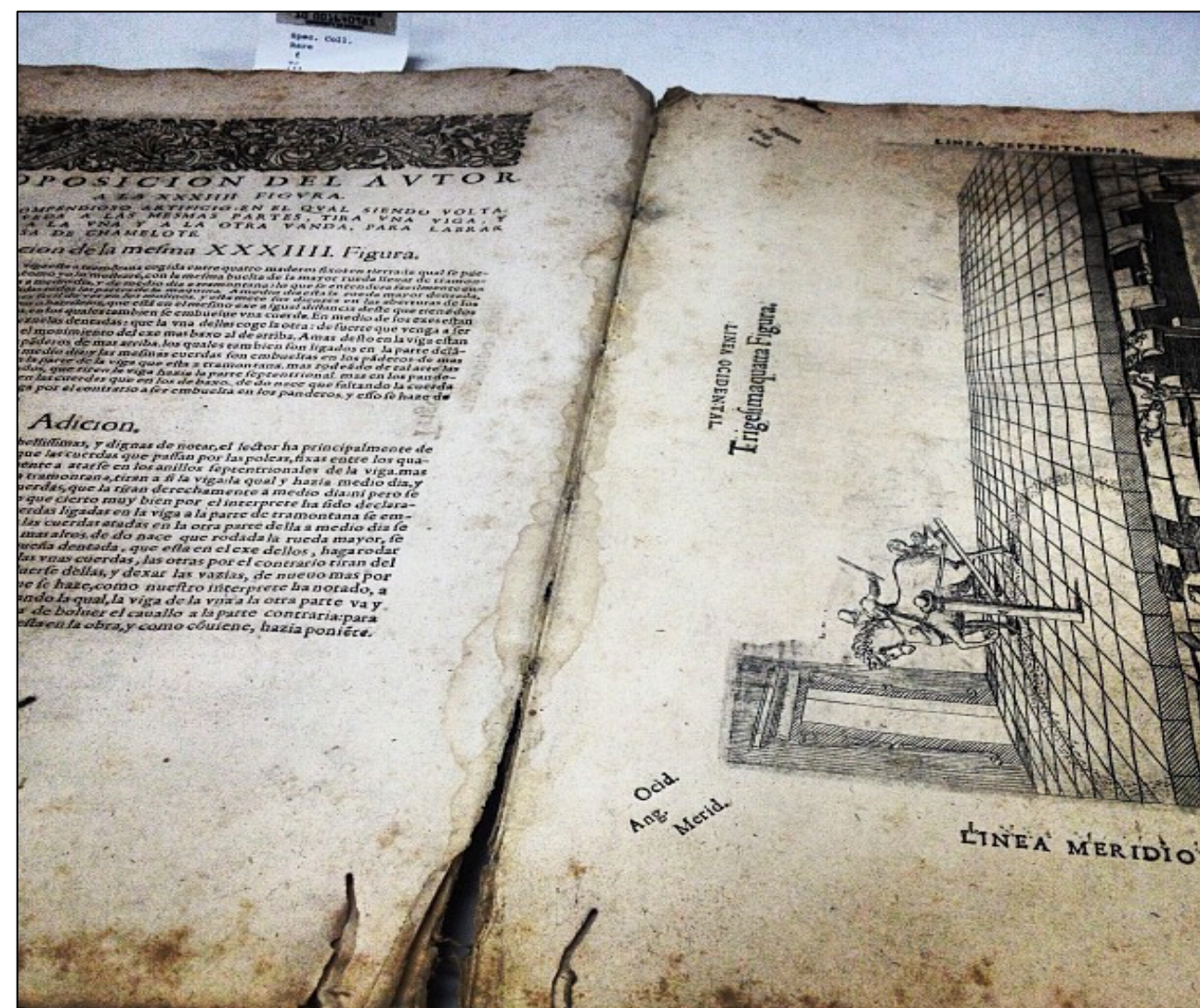


# The Challenges of Conservation & Preservation in Hawai'i

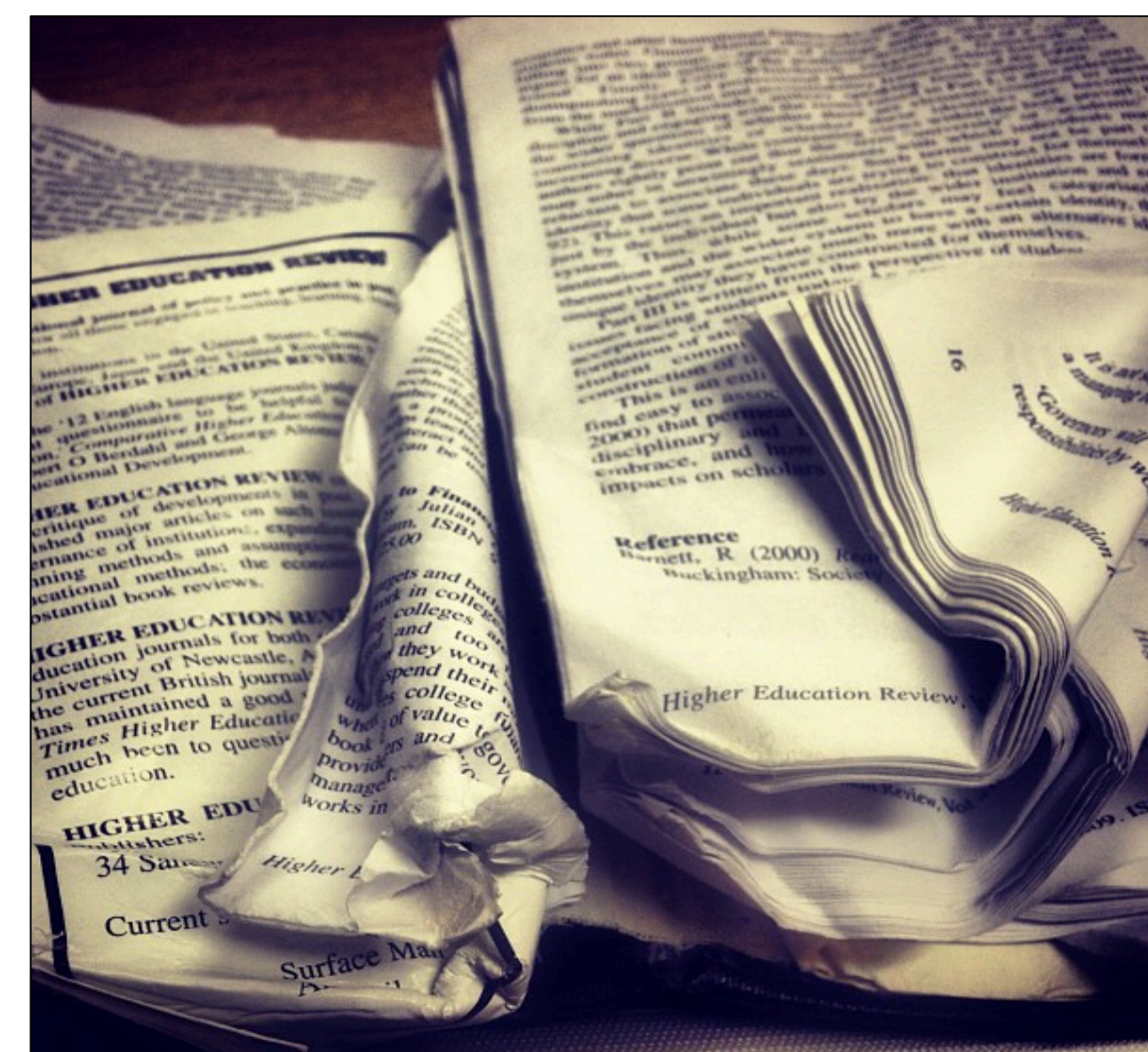
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LIS 619: Preservation Management (Fall 2012) & LIS 620: Conservation of Library & Archival Materials (Spring 2013) ❖ Professor Deborah F. Dunn



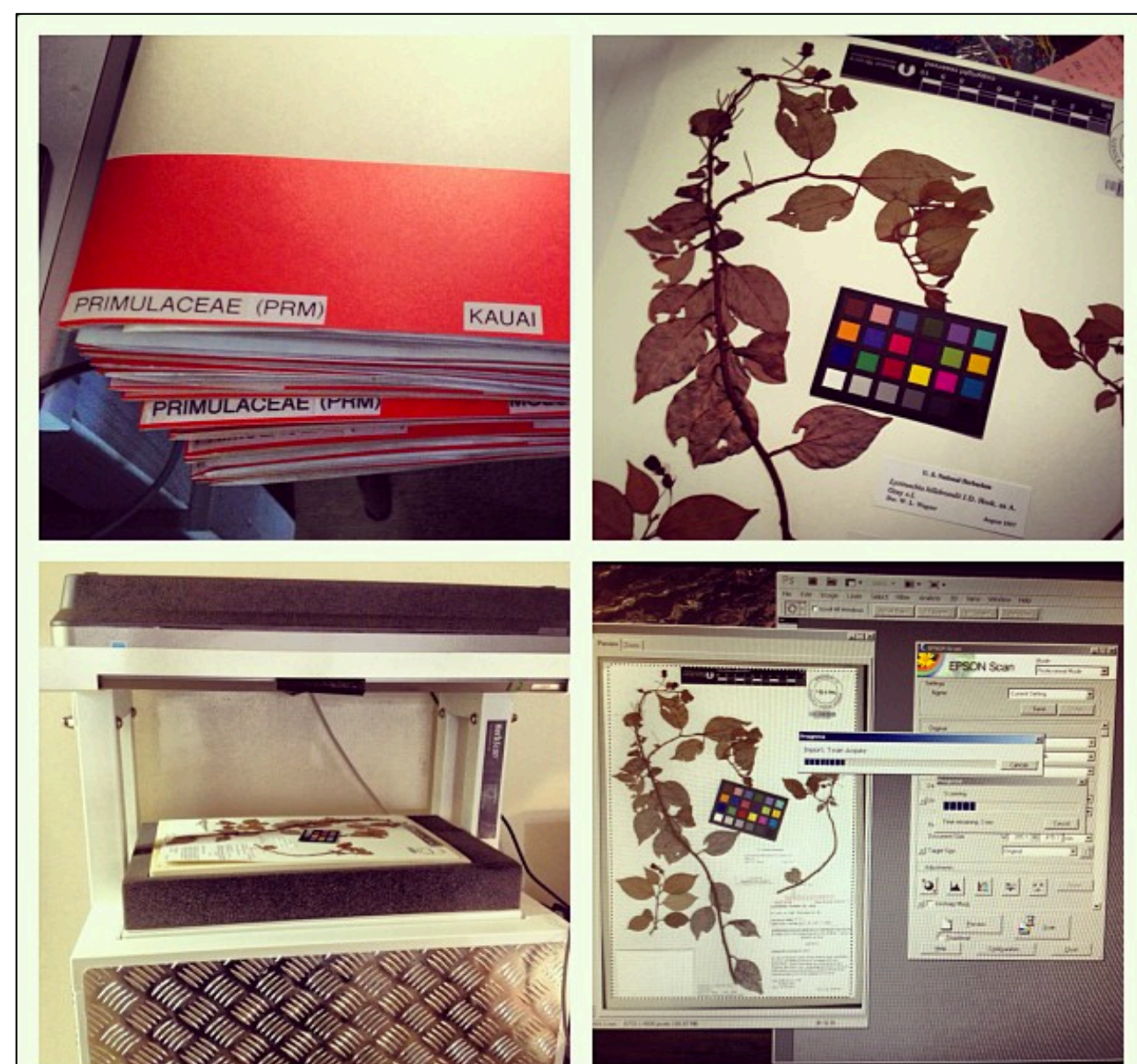
Example of mold damage (Hamilton Library, Preservation Department).



Example of water damage (Hamilton Library, Preservation Department, 2012).



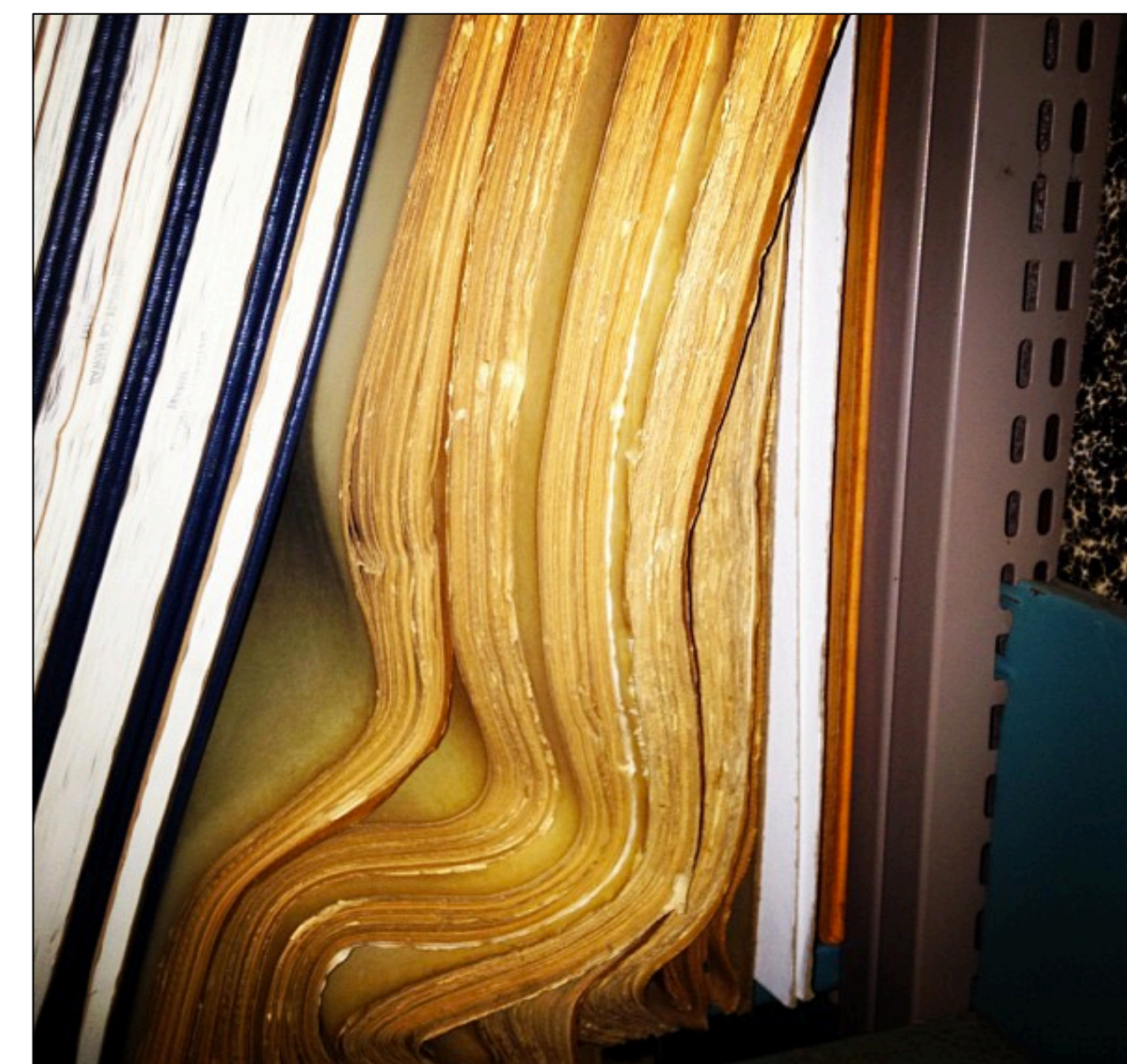
Examples of pest damage (Hamilton Library, Preservation Week 2013).



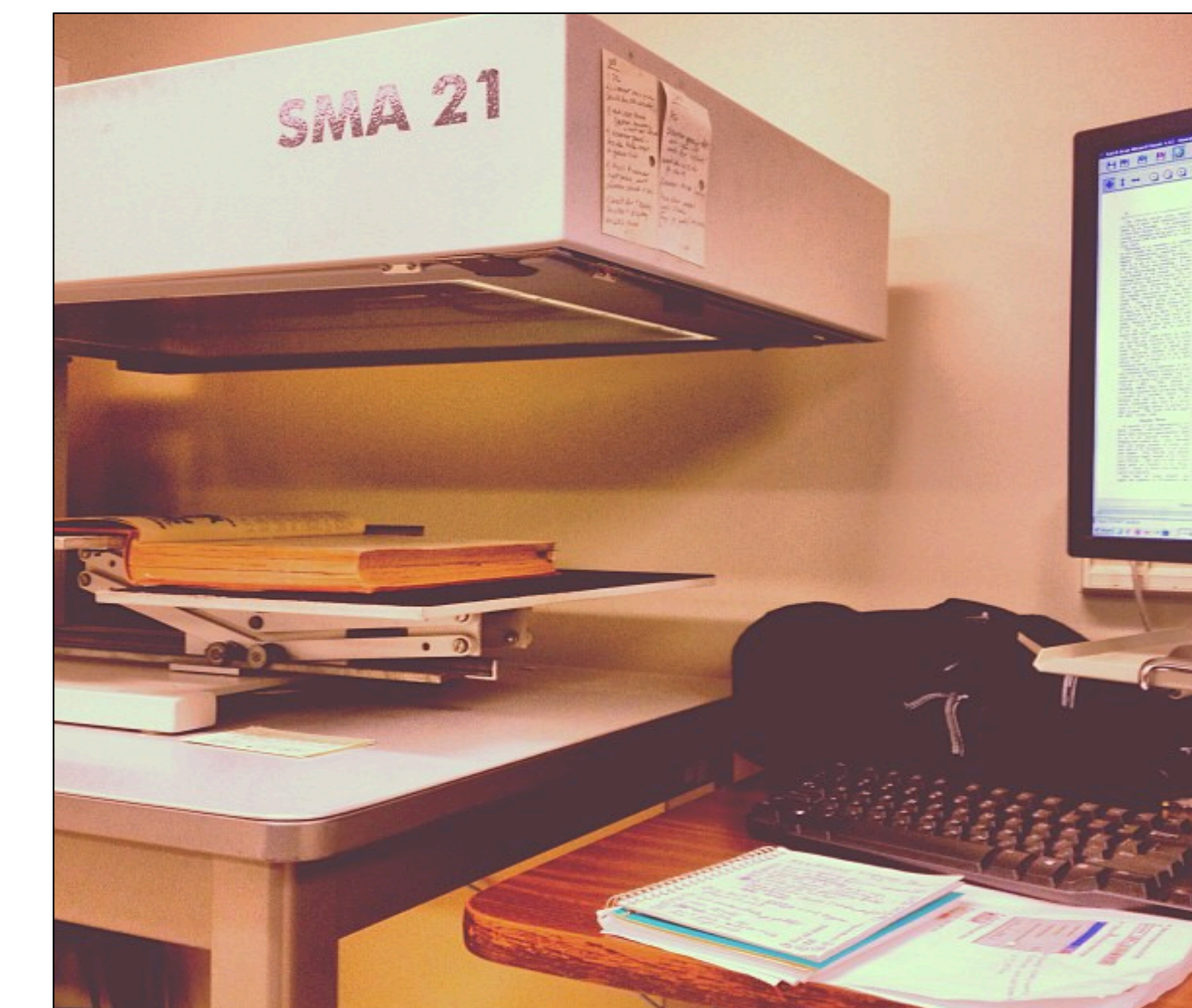
Digitization of herbarium specimen (Bishop Museum, 2013).



Stacks open to the elements with extensive rust damage to shelves (Sinclair Library, 2012).



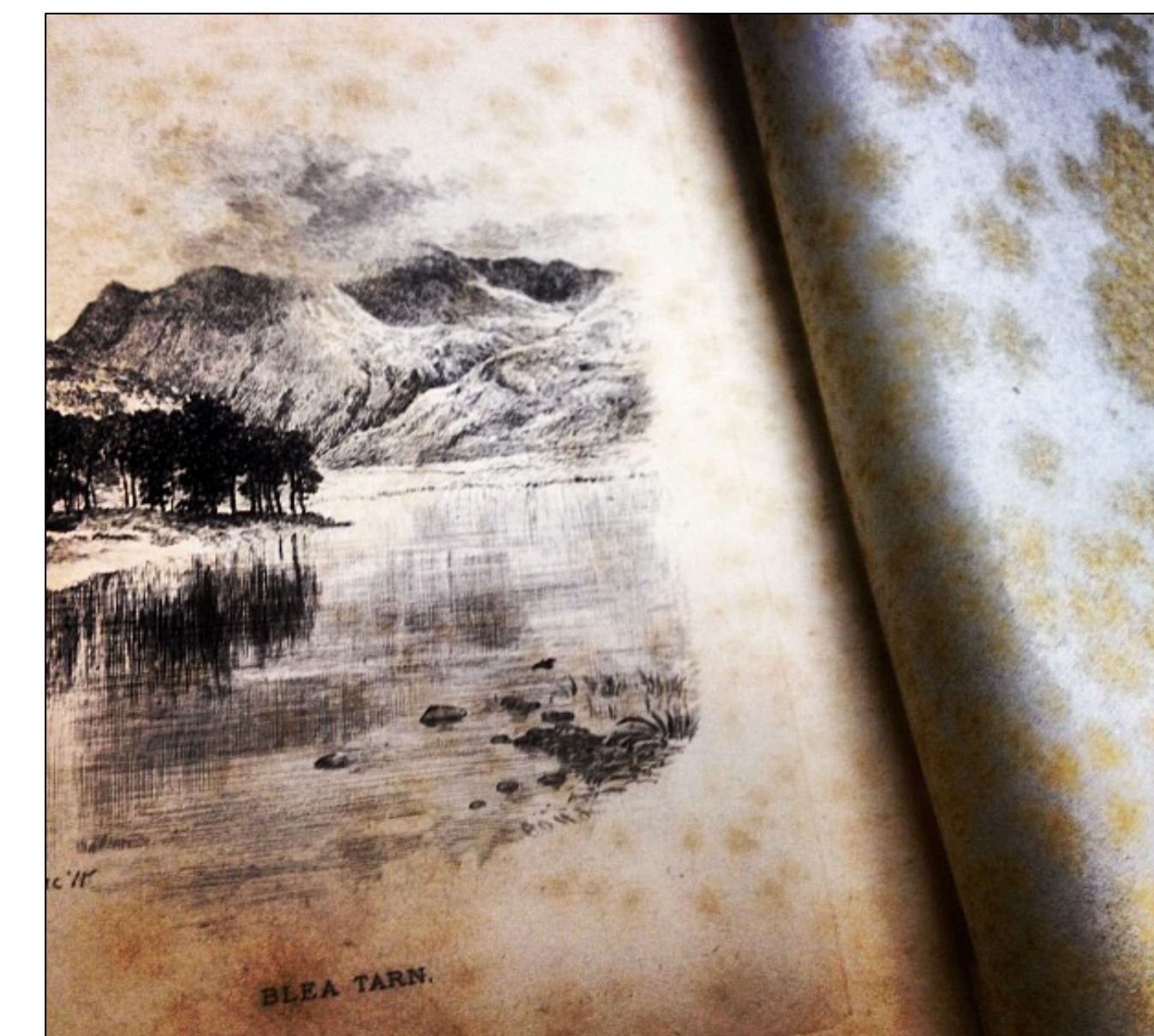
Incorrect storage of oversized item on shelf (Sinclair Library, 2012).



Digitization of Hawai'i Yearbook collection (Hamilton Library, 2012).



Rusted staples removed from Dr. Geoffrey White Pearl Harbor and Solomon Islands' research collection (UHM, Dept. of Anthropology, 2012).

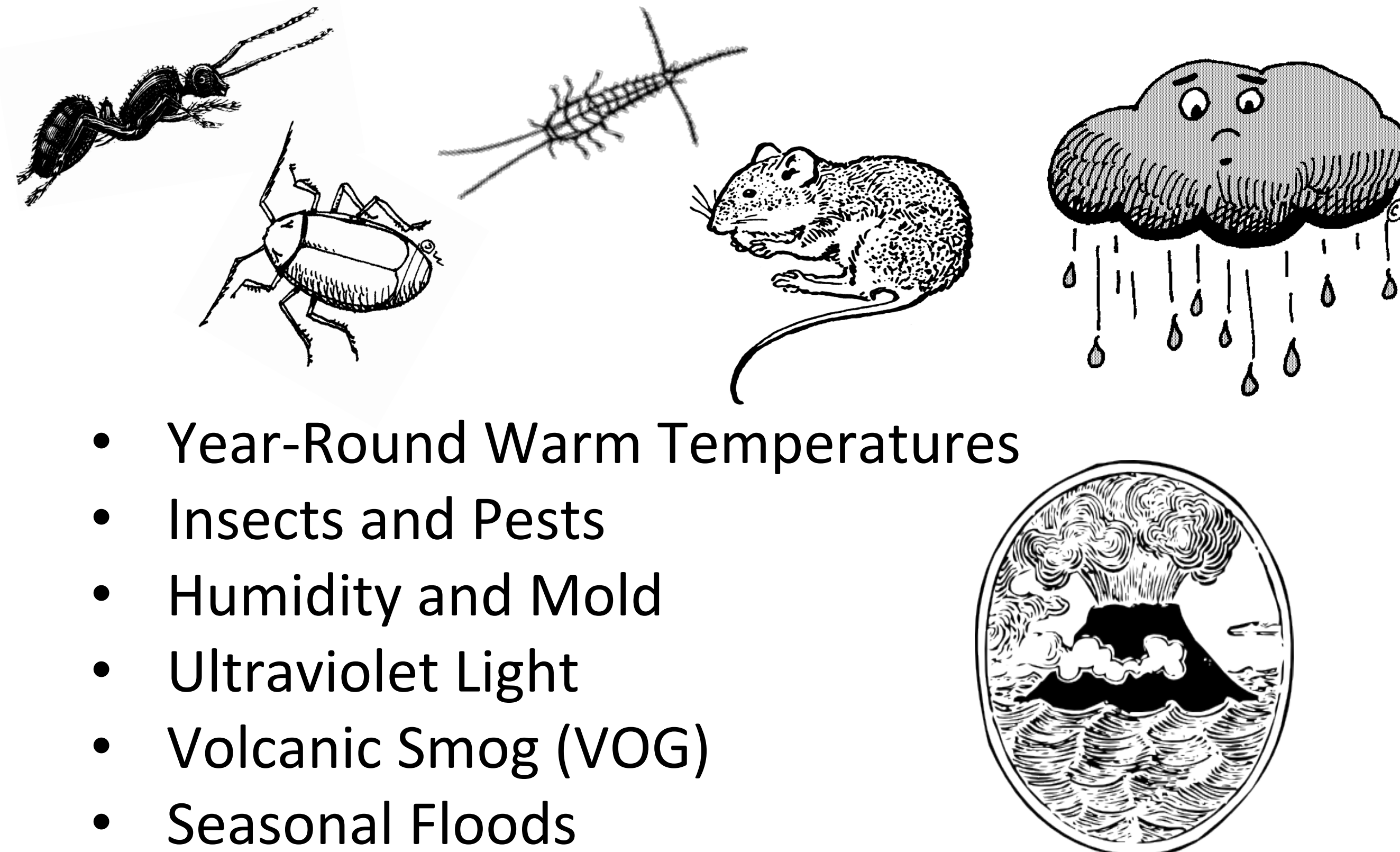


Acid discoloration & foxing (Hamilton Library, Preservation Department, 2012).

## Introduction

The environmental climate of Hawai'i offers specific challenges for the preservation and conservation of library and archival materials. This poster identifies those challenges, makes recommendations for prevention of damage and discusses the importance of ethical responsibility when digitizing indigenous collections in libraries and archives.

## Environmental Factors



- Year-Round Warm Temperatures
- Insects and Pests
- Humidity and Mold
- Ultraviolet Light
- Volcanic Smog (VOG)
- Seasonal Floods

## Human Factors

- Poor handling & carelessness (pets/food/liquids/markings)
- Shelving (Placement and shelf material)
- Adhesives (Tape/Glue)
- Library Architectural Design

## Recommendations

- Maintain an ideal temperature of 70F in archive/library.
- Reduce humidity to 50-55% by using dehumidifiers.
- Freeze all incoming materials to rid items of insects and pests.
- Cover windows and fluorescent light tubes with UV filtering film or install UV filtering Plexiglas.
- Workshops/flyers/YouTube videos aimed at incoming students/patrons on proper handling of materials.
- Preservation Week participation.
- Design with good air circulation, but not open to the elements (i.e. Sinclair Library).
- Store in archival acid-free boxes only.
- Digitization of special collections to limit handling.

## References

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