

**SICU2 : An International Workshop on
Historic Scientific Instrument Collections in the University
hosted by the University of Mississippi, 21 - 24 June 2007**

SCHEDULE OF SESSIONS AND EVENTS

Thursday, 21 June 2007

Shuttle buses from Memphis Airport available at scheduled times. (Also available on 20 June.)

Workshop Registration open from 9 am until 4 pm {Yerby Conference Center}

3:00 - 3:45 pm *Optional tours of **Barnard Observatory***

Guided tours will begin at ~ 3:00 and 3:30 inside the main doors of the Observatory.

4:00 - 5:30 pm Opening Session & First Keynote Address {Barnard Observatory}

Thomas MARSHALL (Chair, SICU2 Organizing Committee) and

Richard KREMER (Chair, SICU2 Steering Committee)

First Keynote: Marta LOURENÇO (Museum of Science, University of Lisbon)

“UNIVERSITY COLLECTIONS IN EUROPE: WHERE WE HAVE COME FROM
AND WHERE WE ARE GOING”

- *A group photograph of all Workshop participants will be taken at the end of the Opening Session.*
- *Beginning at 5:45 pm, a van will be available to transport participants from The Inn at Ole Miss to Memory House, or participants may choose to walk (~ 0.7 km). Return rides will also be available.*

6:00 pm - ~ Reception & Opening Dinner {Memory House; University Museum}

After-dinner events include a visit to the “Millington-Barnard Collection” exhibit and store rooms, and a presentation about “THE BARLOW PLANETARIUM” by **Jamie Day** (Transylvania University).

Friday, 22 June 2007 {all events in Yerby Conference Center unless noted}

7:30 - 8:15 am *Optional tour of **the Lyceum***

A guided tour by Provost Emeritus Gerald Walton will begin at ~ 7:30 am in the Lyceum.

8:30 - 10:00 am Session A : Scholarly Significance of Collections

David PANTALONY (session chair and discussion leader)

A-1. The Hasselaer-Auction of 1776: The Transmission of Scientific Instruments from the Public to the Academic Sphere.

Huib J. Zuidervaart (Vrije Universiteit Amsterdam) and **Tiemen Cocquyt** (Utrecht University Museum, The Netherlands).

A-2. An Early Slit Lamp Used by Edward W. D. Norton and a Liebreich’s Ophthalmoscope at Bascom Palmer Eye Institute, Miami.

Martha L. Reiner (Miami-Dade College and Florida International University).

A-3. Strange Monkey Tricks - The Story of the Metronoscope.

Latif Nasser (Dartmouth College).

A-4. Science and its Instruments: Material Culture and the Reconstruction of Knowledge.

Yaakov Zik and **Giora Hon** (University of Haifa, Israel).

SICU2 Workshop
at the University of Mississippi, 21 - 24 June 2007
SCHEDULE, continued

A-5. The Instrument as Object: A Different Perspective.

Albert Sperath (*University Museum and Historic Houses, University of Mississippi*)

10:00 am coffee break

10:15 - 11:30 pm Session B: Scholarly Themes and Challenges

Richard KREMER (*session chair and discussion leader*)

B-1. Experiences with the Instruments Used by Ancient Mariners.

Malhão Pereira (*Portugese Navy*).

B-2. Engel's Models for the Illustration of Wave Theory and Double Refraction.

Gerard Buskes (*University of Mississippi*), and **E. Atzema** (*University of Maine*).

B-3. Soviet Scientific Instruments in North America: The Canadian Connection.

David Pantalony (*Canada Science and Technology Museum, Ottawa, Canada*).

B-4. A Challenge for University Collections: Mathematics and Science Education in the Age of Sputnik.

Peggy A. Kidwell (*Smithsonian Institution, National Museum of American History*).

11:45 - 12:45 pm Lunch & Poster Session {Butler Auditorium}

The Physics Apparatus Collection at the University of Rennes 1 (Brittany-France).

Dominique Bernard, **Alain Canard**, and **Jean-Paul Taché** (*Unités Mixtes de Recherche CNRS: Sciences Chimiques, Biodiversité, PALMS - Université de Rennes 1, France*).

The Fullest Illustration of Every Important Fact and Principle: A Snapshot of Instruction in Natural Philosophy and Astronomy in 1856.

Maribeth Stolzenburg and **Thomas Marshall** (*University of Mississippi*).

1:00 - 2:15 pm Session C : Collection Development Strategies and Successes

Maribeth STOLZENBURG (*session chair and discussion leader*)

C-1. Collections of Scientific Instruments in Brazil: Current Situation and Prospects.

Marcus Granato (*Museu de Astronomia e Ciências Afins, Rio de Janeiro, Brazil*).

C-2. Regional Science in Mexico: Scientific Instruments in the Puebla State College 1880-1930.

Elsa Hernández M., **Mónica Azcárate S.**, **Jorge D. Cortés M.**, **Carlos Contreras C.** (*Benemérita Universidad Autónoma de Puebla, Mexico*).

C-3. Preserving Memory with the Faculty of Science, University of Porto, Collection.

Marisa Monteiro, **L.M. Bernardo**, **J.M. Araújo** (*University of Porto, Portugal*).

C-4. How Complete is Complete? Mechanics and the Millington-Barnard Collection.

Steve Case (*University of Mississippi*).

SICU2 Workshop
at the University of Mississippi, 21 - 24 June 2007
SCHEDULE, continued

2:15 pm *coffee break*

2:30 - 3:45 pm Session D : Collection Management Issues

Steven TURNER (*session chair and discussion leader*)

D-1. A Time to Keep, and a Time to Cast Away: Thoughts on Acquisitions for University Instrument Collections.

Richard L. Kremer (*Dartmouth College*).

D-2. The Chemical Heritage Foundation Object Collection: Challenges and Solutions for the Management of a Diverse Scientific Collection.

Rosie DiVernieri (*The Chemical Heritage Foundation, Philadelphia, Pennsylvania*).

D-3. The Greenslade Collection: Preservation Challenges for the Private Collector.

Thomas B. Greenslade, Jr. (*Kenyon College*).

D-4. A Distributed Museum Linked by the Web.

Richard A. Paselk (*Robert A. Paselk Scientific Instrument Museum, Humboldt State University*).

3:45 pm *coffee break*

4:00 - 5:15 pm Session E : Collection Development Strategies and Successes

Albert SPERATH (*session chair and discussion leader*)

E-1. Lost and Found: Hearing Aids and Disability History at Kent State.

Mara Mills (*Department of the History of Science, Harvard University*).

E-2. The Instrument and Apparatus Collection of The Archives of the History of American Psychology, The University of Akron.

David B. Baker (*Archives of the History of American Psychology, The University of Akron*).

E-3. Collecting Historic Psychological Instruments - The Passau Collection.

Horst Gundlach (*Institut fuer Geschichte der Psychologie, der Universitaet Passau, Germany*).

E-4. Tipping the Scale – Christopher Becker Rediscovered.

Jan Waling Huisman (*University Museum Groningen, the Netherlands*).

7:00 pm - ~ Workshop Dinner {Johnson Commons Ballroom}

*Including a discussion on “SCIENCE EDUCATION WITH HISTORIC INSTRUMENTS: A CALL FOR ACTION” by **Thomas Marshall and Steven Turner***

8:30 - ~ pm Optional Astronomy observing and Tour of Kennon Observatory

A brief tour will be given by Professor Don Summers, followed by viewing of and through the University’s twin-equatorial telescope (made by H.S. Grubb, ca. 1890).

SICU2 Workshop
at the University of Mississippi, 21 - 24 June 2007
SCHEDULE, continued

Saturday, 23 June 2007

7:30 - 8:15 am Optional tours of the "Historical Physics Apparatus" exhibit in **Lewis Hall**

8:30 - 9:15 am Second Keynote Address

Frank WINKLER and **Kenneth Pohlman** (*Middlebury College*)

"HISTORIC INSTRUMENTS AS A RESOURCE IN UNDERGRADUATE TEACHING"

9:15 am coffee break

9:30 - 11:00 am Session F: Educational Significance of Collections

Thomas MARSHALL (*session chair and discussion leader*)

F-1. Using Historical Collections when Teaching a Broadened Science Curriculum.

Staffan Andersson (*Department of Physics, Uppsala University, Sweden*).

F-2. Experiencing the History of Medicine.

Stefanie Rookis (*Alabama Museum of the Health Sciences, UAB Lister Hill Library*).

F-3. Using Teaching Collections in History of Science Teaching.

Roland Wittje (*Department of Physics, Norwegian University of Science and Technology, Trondheim, Norway*).

F-4. Looking for the Science in Scientific Instruments: The Chemical Blowpipe.

Steven Turner (*National Museum of American History, Smithsonian Institution*).

F-5. "Hands On" Meets "Hands Off": How Science Educators View Historic Instrument Collections.

Steven Madewell (*National Science Resources Center, Smithsonian Institution/The National Academies*).

11:00 am coffee break

11:15 - 12:30 pm Session G : Collection Use Strategies

Jamie DAY (*session chair and discussion leader*)

G-1. How to Understand the Principles Invented by the Bernoulli Family.

Jan Waling Huisman (*University Museum Groningen, the Netherlands*).

G-2. Replicating Mathematical Instruments with Undergraduates.

Alistair Kwan (*Yale University*).

G-3. Explorative Activities Involving Students with Historical Instruments in a Museum.

Elizabeth Cavicchi (*Edgerton Center, Massachusetts Institute of Technology*).

G-4. Teaching with Material Culture: The University of Western Ontario Medical Artifact Collection.

Michelle A. Hamilton (*University of Guelph, Canada*).

SICU2 Workshop
at the University of Mississippi, 21 - 24 June 2007
SCHEDULE, continued

12:45 - 1:45 pm Lunch & Poster Session {Butler Auditorium}

Foucault Gyroscope and Induction-Current Apparatus in the University of Rennes Physics Collection.

Dominique Bernard (*Sciences Chimiques de Rennes, Equipe Verres & Céramiques- Université de Rennes 1 – CNRS, France*) and **William Tobin** (*Vannes, France*).

Replicas of Historic Instruments and Their Many Possibilities.

Thomas Marshall (*University of Mississippi*).

1:45 - 3:15 pm Session H : Educating the Public with Collections

Steven TURNER (*session chair and discussion leader*)

H-1. Using Instrumentation to Tell the Human Story of the Chemical and Molecular Sciences.

Jennifer S. Landry (*Chemical Heritage Foundation, Philadelphia, Pennsylvania*).

H-2. Charming Tools of a Demanding Trade: The Heritage of Nineteenth Century Astrometry at the Astronomical Observatory of Lisbon.

Pedro Raposo (*University of Oxford, and Centre for the History of Science, University of Lisbon, Portugal*).

H-3. The French Astronomical Heritage Inventory and Public Outreach.

Françoise Le Guet Tully (*Observatoire de la Côte d'Azur, France*).

H-4. History and Future of the Historical Collection of the Marseille Observatory (University of Provence).

James Caplan (*Observatoire Astronomique de Marseille-Provence, Université de Provence, France*).

H-5. Living With Dinosaurs : The Yale Collection of Historical Scientific Instruments and the Peabody Museum of Natural History.

Shae Trewin (*Peabody Museum of Natural History, Yale University*).

3:15 pm coffee break

3:30 - 4:15 pm Third Keynote Address

Paolo BRENNI (*Fondazione Scienza e Tecnica, & Istituto e Museo di Storia della Scienza*)

“DUSTY RELICS OR SPEAKING WITNESSES OF THE PAST? THE POSSIBLE USES OF UNIVERSITY COLLECTIONS”

4:30 - 5:00 pm ‘Next-Steps’ Discussion

David PANTALONY, discussion leader

WHAT IS THE FUTURE FOR THE SICU COMMUNITY?

- Beginning at 6:15 pm, a van will be available to transport participants from The Inn at Ole Miss to Rowan Oak (~ 1.5 km). After the Closing Dinner, return rides will also be available.

SICU2 Workshop
at the University of Mississippi, 21 - 24 June 2007
SCHEDULE, continued

6:30 - 7 pm *Optional tours of the interior and grounds of **Rowan Oak**.*

7:00 pm - ~ **Closing Dinner** {**Rowan Oak**}

Sunday, 24 June 2007

Shuttle buses from the Inn at Ole Miss to Memphis Airport at scheduled times.

9:00 am - 5:30 pm *Optional Sunday Excursion to the [RiverPark Museum in Tunica, Mississippi](#) (Part 1) and to [The Cotton Museum](#) and [The Memphis Rock 'N Soul Museum in downtown Memphis, Tennessee](#) (Part 2). The Sunday Excursion ends at the Memphis International Airport.*

The Sunday Excursion will depart The Inn at Ole Miss at 9:00 a.m.

By this time, all Excursion participants (except those returning to The Inn on Sunday night) should have checked out of their room, settled their account with the Inn, and loaded all their luggage onto the Tour Bus. The Tour Bus will be marked *Callahan* and will arrive for loading at ~ 8:30 a.m.

Excursion Participants will pay for all attractions and food on their own.

PART 1: Tunica, Mississippi *(Estimated cost is \$20, plus the cost of lunch at ~ \$10.)*

~ 10:30 – 12:30 pm. Participants will visit the [Tunica RiverPark Museum](#), which introduces the history and culture of Mississippi's "Delta Region" and the Mississippi River. There is also the opportunity for a short walk on a nature trail along the river.

~ 12:30 – 2:00 pm. Participants will ride the [Tunica Queen](#) river boat on the Mississippi River, for an hour of sight-seeing and a casual lunch.

PART 2: Downtown Memphis, Tennessee *(Estimated cost is \$20.)*

Group A) ~ 3:30 – 5:00 pm. Participants will have a brief tour of the Memphis wharf and river landing, then visit the [Cotton Museum at the Memphis Cotton Exchange](#).

Group B) ~ 3:30 – 5:00 pm. Participants will ride down Beale Street, then visit the [Memphis Rock 'N Soul Museum](#), which introduces the musical history and traditions of the region.

Excursion participants may take **PART 1 only**, then be taken to the Memphis airport to arrive by ~ 2:30 pm. **Space for PART 1 is limited to 40 people.** Flight departure time must be after 3:45 p.m.

OR

Excursion participants may choose to do **both PART 1 and PART 2**. After Part 1, PART 2 participants will be taken to the Memphis airport and will check in for their flight and check their luggage by ~ 3 pm. Two Groups will then travel separately downtown, and arrive back at the airport by ~ 5:30 pm in time for their flight. **Space for PART 2 is limited to 18 people**, with priority given to those who expressed interest by 5 June.
