

# Meeting the ACPE History Guidelines: A Quick Survey

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# History of Pharmacy

## ACPE Appendix B “Elements”

- overview of the evolution of pharmacy as a distinct profession
- moving from focus on the drug to focus on the patient and the drug, including clinical pharmaceutical care and other aspects of patient-provided pharmacist care
- major milestones and contributors in the evolution of pharmacy

# “Methodology”

- Sent out an email to deans asking them to fill out a brief survey (SurveyMonkey)
- Received 43 responses
- Asked how history content taught
  - Required or elective; small # vs. large # of lectures in required; or spread across
- Name of contact in charge of history
- A preliminary survey, of course
- ***“More Study is Needed!!”***

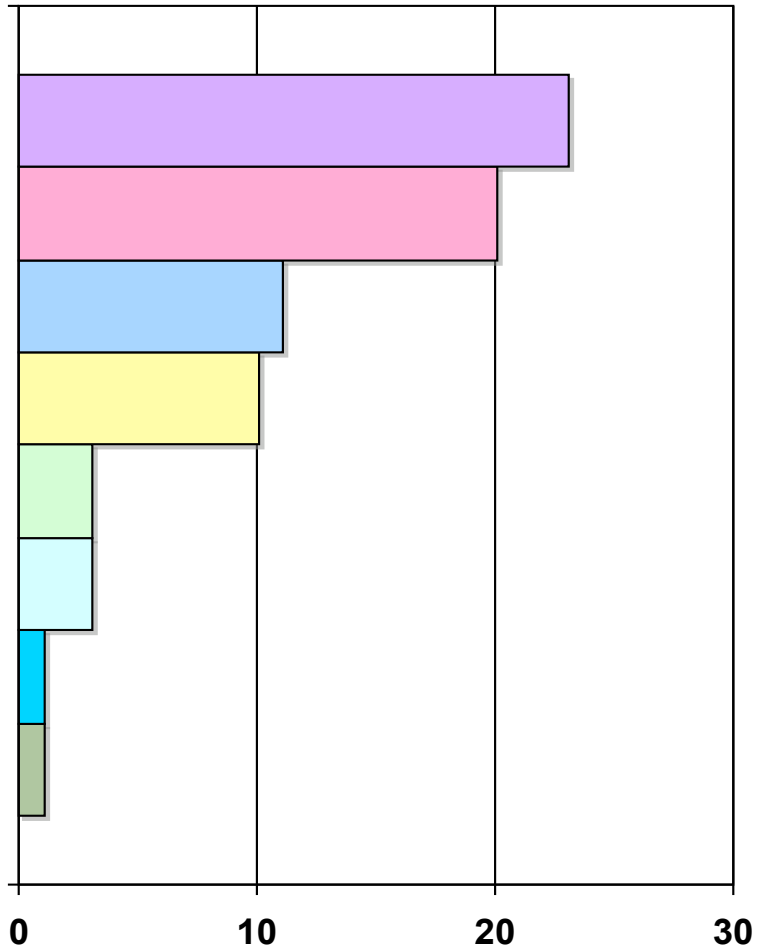
# Common Approaches

- Small number (2-5) of lectures in required course [23]
- Information spread throughout curriculum [20]
- One lecture in a required course [10]
- Elective courses [11]

# Other methods

- Preceptors [3]
- Large # of lectures in required [3]
- Invited all-School lecture [1]
- Required history course [1]
- Required history readings/web modules without lectures [?]

# Different Approaches (n=43)



Small # in a Required (23)

Spread Throughout (20)

Elective Course (11)

1 Lecture in Required (10)

Large # in Required (3)

Preceptors (3)

Required Course (1)

Invited School Lecture (1)

# Lectures in Required Course

- Three is most common number
- Usually start of Introduction/Orientation to Pharmacy
- Content focused on Profession
  - Changing Role of Pharmacist in Society
    - Broad description of health care “landscape”
  - Nature of “Professionalism”
    - Hope to inspire better behavior?
- *Significantly different story between them*

# Readings usually “Intro” works

- McCarthy & Schafermeyer, *Introduction to Health Care Delivery: A Primer for Pharmacists*, 2007.
- Posey, *Pharmacy: An Introduction to the Profession*, 2003, 2009.
- Kelly, *Pharmacy: What it Is and How it Works*, 2007.
- (Higby & Stroud, *American Pharmacy: A Collection of Historical Essays*, 2005.)



# Financial Disclosure

- I am the co-editor of *American Pharmacy*
- I am the author of the history chapter in *Remington* and other pharmacy textbooks
- I have received honoraria and royalties in the **low three figures** + author's copies.
- I am *still* waiting for a couple of those author's copies.....

# History Spread Across Curriculum

- “Story” of a particular development
  - Introduction to Pharmacy Practice
  - Intro to Social & Administrative Pharmacy
  - Law &/or Ethics
    - Linear development of law
    - Importance of precedents
- Often tied to specific infrastructure
  - E.g., educational requirement or regulation

# Readings often in Textbooks

- McCarthy & Schafermeyer, *Primer*
- Rickles, et al, *Social and Behavioral Aspects of Pharmaceutical Care*, 2009.
- Law texts (e.g., Abood, *Pharmacy Practice and the Law*)
- Chapter 2 of *Remington*, “Evolution...”
- Or articles pulled from Web
- Or nothing specifically historical

# “That One Lecture in ....”

- Usually first lecture in Orientation
- Or a guest lecture inserted prn
- Quick run through professional history
- “Great Moments in Pharmacy”
  - Parke-Davis painting series
    - Available from AIHP in PowerPoint format
    - Use with Care!
    - Composed and painted in the **1950s**

# Isolation of Quinine



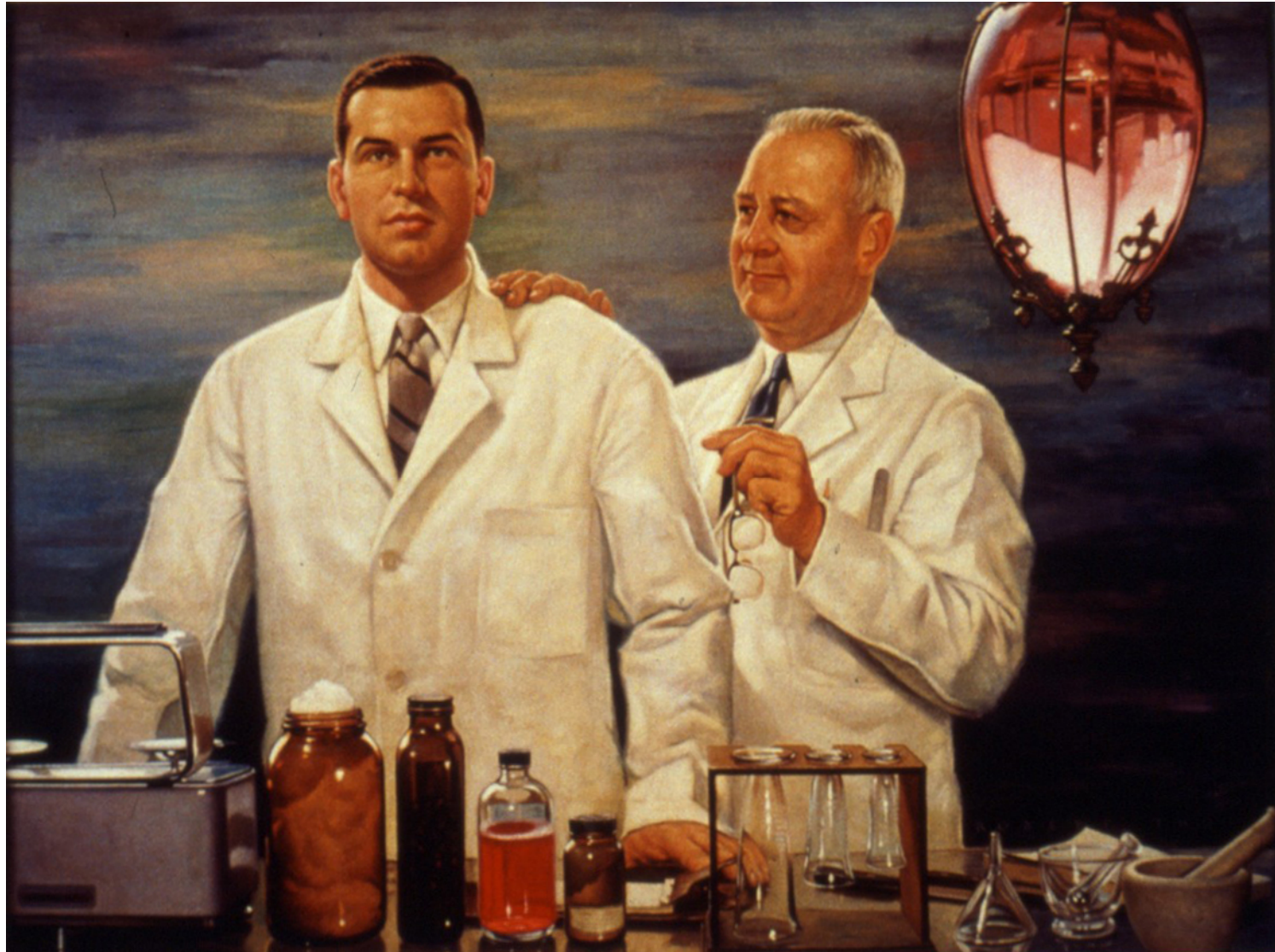
# “Before the Dawn of History”



# “Sertuerner -- First Alkaloidal Chemist”



# Pharmacy Today & Tomorrow (c. 1955)



“Two White Guys Compounding a Prescription...”



# “That One Lecture in ....”

- Usually first lecture in Orientation
- Or a guest lecture inserted prn
- Quick run through professional history
- “Great Moments in Pharmacy”
  - Parke-Davis (P-D) painting series
- Sometimes tied with history of institution
- Reading, if any, is usually a chapter from Posey, McCarthy, or Kelly

# Electives (c. 25% schools)

- Serve several purposes
  - Fulfills minimum requirement for Guidelines
  - Meets specific curricular desires
    - Opportunity for narrative writing exercises
      - Oral History Interviews of “veteran” pharmacists
      - Term papers on expansive topics
    - Exploration of cultural diversity
    - Builds pride in Institution and its History
  - Fills scheduling need (“credits for 3rd years”)
- Faculty explore special interest/hobby

# Content of Electives

- Professional >> Scientific developments
- Strong USA focus
- Several still use *Kremers & Urdang's History of Pharmacy* (1976) alone or in combination with *American Pharmacy*
- Robert Griffith at WVU
  - Medicinal chemist
  - Teaches “History of Drug Discovery”
    - Every pharmaceutical discipline has a history!!

# What about those readings?

- Posey
  - Kelly
  - McCarthy & Schafermeyer
  - Higby & Stroud
  - *Remington* history chapter
  - Kremers & Urdang
- 
- How well do they meet the Guidelines?

# Posey' s *Pharmacy: An Introduction to the Profession*

- Chapters 2 & 3 “historical”
- About 20 pages + a little in rest of book
- Includes tables with dates and events
- Meets well the basic thrust of guidelines
  - Covers milestones of professional growth
  - Describes the shift from drug to patient focus
  - Lacks depth and broad context
- + Griffenhagen discussion of P-D series

# Kelly' s *Pharmacy: What It Is*

- Brief part of chapter 1 (6 pages) historical
- Timeline “history of pharmacy” in chap 3
- Two pages of “brief history” in Pharmaceutical Care chapter 7
- Falls short of meeting Guidelines
  - Insufficient information, scattered in book
- Solid work otherwise -- nice coverage

# McCarthy & Schafermeyer's *Health Care Delivery: A Primer*

- History chapter by Jennifer Tebbi-Grossman, trained social scientist.
- Broad overview of health care in 30+ pp.
- Alone Chap 1 does not fulfill Guidelines
- Essential historical info in other chapters
  - Ch. 3 on Profession, Ch. 6 on Hospitals, Ch. 16 on Managed Care, Ch. 20 on Reform, etc.
- Meets Guidelines if most of book read

# Higby & Stroud's *American Pharmacy*

- 18 Sesquicentennial Essays (APhA)
  - Each covers 50 years of history
    - 1852-1902, 1902-1952, 1952-2002
  - Topics
    - Practice, Science, Education, Industry, Law & Regulation, and Organizations
- Only covers period 1820-2002
  - Does not include origins of profession



# *Remington*, Chapter 2, “Evolution of Pharmacy”

- 10 pages (approx. 25 standard book pages)
- Includes “Chronology for Pharmacists”
- Includes detailed bibliography
- Meets Guidelines well (in author’s opinion)
  - From ancients to present era
  - Emphasizes professional development in US
  - Lacks graphics (photos and charts)
- [Old editions contain biographical sketches]

# Kremers & Urdang's *History of Pharmacy*

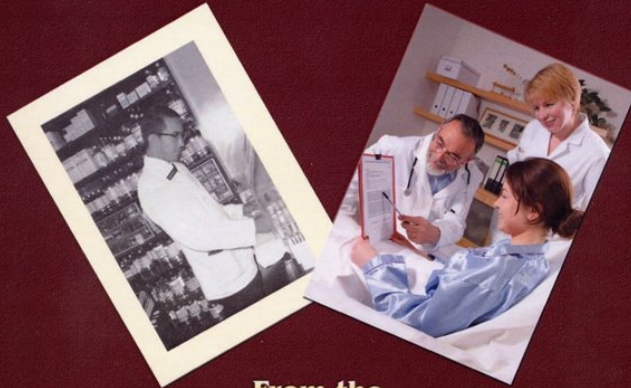
- Classic text (over 500 pages)
- Covers period from ancients to 1975
- Meets Guidelines (to 1975)
- Great depth in most areas
- Used most commonly in courses with large historical component (6 or more lectures)

# New Historical Works of Note

- Elenbaas & Worthen, *Clinical Pharmacy in the United States: Transformation of a Profession* (ACCP, 2009), 200 pp.
- *Annals of Pharmacotherapy, Evolution of Clinical Pharmacy* (Harvey Whitney Books, 2009), 413 pp.
- “Recent Trends in American Pharmacy,” *Pharmacy in History*, #3, 2009, 48 pp.

# Evolution of Clinical Pharmacy

40 Years of Progress



From the  
Publisher of

THE ANNALS OF  
PHARMACOTHERAPY

HARVEY WHITNEY BOOKS

Over 400 pages of reprinted articles from *Drug Intelligence* and *Annals of Pharmacotherapy* that document the progress of “clinical pharmacy practice” in USA from 1967 to 2007. \$29.95 from Harvey Whitney Books.

Recent Trends in American Pharmacy

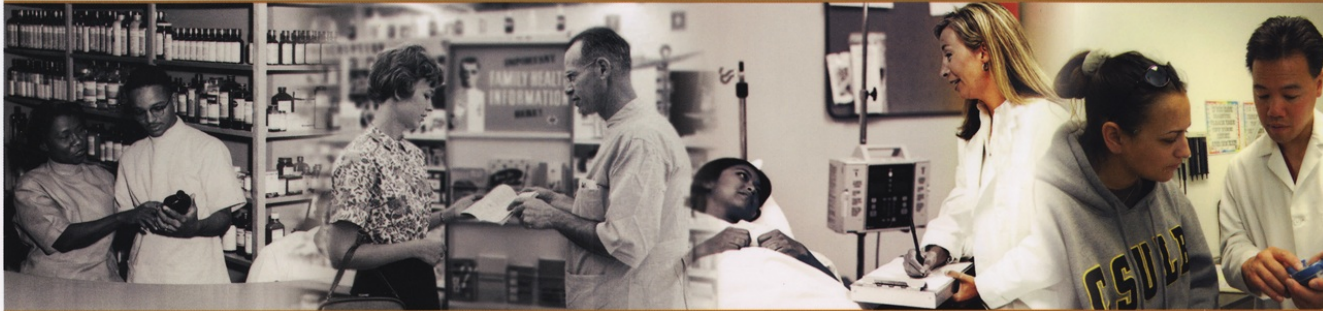


PHARMACY  
IN HISTORY

Volume 51 No. 3, 2009 Pages 89-148 • SPECIAL ISSUE

Special issue of AIHP's quarterly *Pharmacy in History* that contains proceedings of 2009 APhA symposium on recent history of pharmacy. Authors include David Brushwood, Calvin Knowlton, Stephen Schondelmeyer, and William Zellmer. \$4 from AIHP.

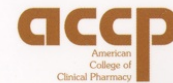
# Clinical Pharmacy in the United States



Transformation of a Profession

Robert M. Elenbaas, Pharm.D., FCCP

Dennis B. Worthen, Ph.D.



Heavily illustrated work on evolution of 20th-century American pharmacy practice in societal context.  
Available from ACCP for \$59.95 (\$39.95 for members).

2009 Presenters in Boston on meeting the  
History Guidelines --  
Feel Free to Contact Them

- Prof. Robert Buerki,  
[buerki@pharmacy.ohio-state.edu](mailto:buerki@pharmacy.ohio-state.edu)
- Prof. James Culhane,  
[JCulhane@ndm.edu](mailto:JCulhane@ndm.edu)
- Dean David Hawkins,  
[dhawkins@calpharm.org](mailto:dhawkins@calpharm.org)

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# Thanks for Listening!



William Procter, “Father of American Pharmacy” by Robert Thom