

## **CURRICULUM VITAE**

*Ross Edward Vanderbush*

Associate Professor  
University of Arkansas for Medical Sciences  
College of Pharmacy, Slot 522  
4301 West Markham  
Little Rock, Arkansas 72205-7122  
(501) 686-6485

### **EDUCATIONAL BACKGROUND:**

Preparatory Training: Clear Lake High School, Clear Lake,  
South Dakota.

Undergraduate Training: South Dakota State University, Brookings  
South Dakota, B.S. in Pharmacy

Doctoral Training: The University of Tennessee Center for the  
Health Sciences (UTCHS), Memphis,  
Tennessee. Doctor of Pharmacy

### **PROFESSIONAL EXPERIENCE:**

#### **CURRENT EXPERIENCE**

Associate Professor, Department of Pharmacy Practice, UAMS College of  
Pharmacy (1998 - present)

Assistant Professor, Department of Pharmacy Practice, UAMS College of  
Pharmacy (1993 - 1998)

Clinical Coordinator, Nontraditional Pharm.D. Pathway, UAMS College of  
Pharmacy (1993 - present)

Pharmacy Practice Informatics (Ph.Pr. 5862) Course Coordinator (1995 - present)

Hospital Pharmacy Administration (Ph.Pr. 5734) Course Coordinator (1996 -  
present)

Special Problems in Pharmacy (Ph.Pr. 5742) periodic students

Pharmacy Administration II (Ph.Pr. 5734) Co-coordinator (1993 - 1995)

Computerized Problem Based Learning Therapeutics (1996 - 1998) Course Ph.Pr.

Self-directed Learning: C.E. Avenues (1996-1997)

Clerkships Preceptor:

Pharmacy Informatics (1994 to present)

Drug Use Evaluation (MUI's) (1994 – 1997)

Student Mentor, UAMS (1993 - 2003)

### **PAST PRACTICAL EXPERIENCE**

19 years of experience as Director or Assistant Director of Hospital Pharmacies'. There are multiple overlapping experiences where I was simultaneously Director of one facility and Assistant Director of another facility. (1974 - 1993)

Director of Pharmacy Services, Saline Memorial Hospital (SMH) Benton, Arkansas (1982 to 1993)

Pharmacy Consultant, Timber Ridge Head Injury Rehabilitation Ranch (1992-1995)

19 years of experience as Director or Assistant Director of Hospital Pharmacies'. There are multiple overlapping experiences where I was simultaneously Director of one facility and Assistant Director of another facility. (1974 - 1993)

Pharmacokinetic Services, Nutritional Support Services, Drug Information Services, Total Unit Dose and IV Admixtures, etc. etc. UTCHS and SMH

Secretary, Pharmacy and Therapeutics Committee (P&T) 1974-1993

Hospital Pharmacy Clerkships (UTCHS, SMH & UAMS) 1974-1993

Nationwide (80 Hospitals) Beta site for GTE computer software, SMH, 1991-1993

Quorum Hospital System (405 Hospitals) Western States Pharmacy Purchasing Representative 1992-1993

Quorum Hospital System (405 Hospitals) National Pharmacy Representative 1992-1993

Volunteer Faculty, University of Arkansas College of Pharmacy at Little Rock, 1984-93

Manager IV therapy team at UTCHS Hospital and SMH Hospital (1976-1992)

To many Pharmacy and QA in-services to list

Installed three inpatient pharmacy software mainframe computer systems, SMH, 1982-1992

Installed a PC-based retail pharmacy hardware and software system, SMH, 1991

Assistant Professor, College of Pharmacy, University of Tennessee Center for the Health Sciences 1974-1982

Director of The University of Tennessee Hospital Pharmacy 1981-1982.

Assistant Director, University of Tennessee Hospital Pharmacy 1979-1980.

Director of the West Tennessee Chest Disease Hospital, Memphis, Tennessee 1975-1978.

Assistant Director of the West Tennessee Cancer Clinic Pharmacy (1977-1981)

Material Manager for CSS, Stores, Linen Distribution and Pharmacy Services University of Tennessee Hospital 1981-1982

Part time retail experience Guthrie Drug Store Memphis, Tennessee (1974-1977)

Responsible for the establishment of a licensed outpatient Cancer Clinic Pharmacy at the University of Tennessee. (1977)

Responsible for the establishment of IV admixture services at the University of Tennessee Hospital (1977)

Responsible for operations and the coordination of the pharmacy services contract between LeBonheur Children's Hospital and the University of Tennessee College of Pharmacy (1974-1976)

Implemented an IV admixture and small volume parenteral service at LeBonheur Children's Hospital Memphis, Tennessee. (1974)

Poison Control Information Center experience at LeBonheur Children's Hospital (1974-1976)

Assistant Director, LeBonheur Children's Hospital, Memphis, Tennessee 1974-1976

Designed 3 hospital Pharmacies (LeBonheurs, UTCHS, SMH)

Pediatric Clerkships, Assistant Professor UTCHS 1982-84

Tennessee Statewide Seminars on Cardiovascular Agents (Tennessee) 1975

Intravenous Additive Clerkships (UTCHS) 1974-1982

Numerous classroom instruction experiences (UTCHS) 1974-1982

Pharmacy Internship at Hennepin County General Hospital in Minneapolis, Minnesota 1972, and at the City of Memphis Hospitals, Memphis Tennessee. (1973-74)

**PAST AND CURRENT NOTEWORTHY MEMBERSHIPS, AWARDS AND PARTICIPATION IN SOCIETIES:**

Rho Chi Honorary Society

American Society of Health System Pharmacists (1973-present)

American Association of Colleges of Pharmacy (1993-present)

Memphis Area Society of Hospital Pharmacists (1973-1982)

Tennessee Society of Hospital Pharmacists (1973-1982)

Arkansas Society of Hospital Pharmacists (1982-present)

Arkansas Pharmacist Association (1982-present)

The National Honor Society (high school)

The National Forensic League (high school)

President, Arkansas Association of Hospital Pharmacists (AAHP), (1986)

Chairman, Pharmacolegal Committee, AAHP (1989-1990)

Various other Offices, AAHP

Preceptor of the Year, Arkansas College of Pharmacy (1986) (only Hospital Pharmacist to receive this award in Arkansas up to 1994)

President, Intra fraternity Council (S.D.S.U.) (1972)

Various offices, Lambda Chi Alpha, (1968-1973)

**COMMUNITY ACTIVITIES:**

Mexico Medical Mission Trip

Trustee, First United Methodist Church, Benton AR (3 years)

Administrative Board, First United Methodist Church, Benton, AR. (3 years)

Staff Parish Relations Committee, First United Methodist Church (3 years) Chairman

Finance Committee, First United Methodist Church (FUMC), Benton, AR. (3 years)

President, Friendship Sunday School Class, FUMC (1991)

Sunday School Teacher, FUMC, 6& 7th and 8&9 grades, (2 years)

Rotating Teacher, Friendship Sunday School Class, (1983-current)

Little League Baseball Head Coach, (1991-1997)

Children's Assistant Basketball Coach, (1993-1997)

## **PUBLICATIONS:**

Kirtley J, **Vanderbush RE**, West DS. Educating Pharmacists on Ophthalmic- and Otic-Drop Administration Techniques Using Internet-based Video Clips. *J Am Pharm Assoc.* 46(2) 213-216. 2006.

**Vanderbush RE**, Kirtley J, West DS. Evaluating Internet-based Multimedia Vignettes for Teaching Ophthalmic and Otic Drug Administration Techniques. *Am J Pharm Educ.* 69(4):article 64. 2005.

Monaghan MS, Turner PD, **Vanderbush RE** and Grady AR. Traditional Student, Nontraditional Student, and Pharmacy Practitioner Attitudes Toward the use of Standardized Patients in the Assessment of Clinical Skills. *Am Journ Pharm Educ:* 64(1) 27-32. Spring 2000.

Monaghan MS, **Vanderbush RE**, McKay AB., Gardner SF, and Schneider EF. A Computerized Database Approach to Enhance Clinical Thinking. *Journ. Pharm Teaching.* 7(2) 35-50. 1999.

Monaghan MS, **Vanderbush RE**, Gardner SF, Schneider EF, Grady AR, and McKay AB. Standardized Patients: An Ability-based Outcomes Assessment for the Evaluation of Clinical Skills in Traditional and Nontraditional Education. Accepted for Publication. *Am Journ of Pharm Educ.* 61:337-344. Winter 1997.

Monaghan MS, Allen RM, Heard JK, Cantrell MA, **Vanderbush RE**, and Randall J, Standardized Patient Use Outside of Academic Medicine: Opportunities for Collaboration between Medicine and Pharmacy. *Teach Learn In Med.* Accepted for Publication November, 1997

Monaghan MS, Gardner SF, Hastings JK, Reinhardt GL, Knoll RK, **Vanderbush RE**, and M Cantrell. Student Attitudes Toward the Use of Standardized Patients in a Communication Course. *Amer Journ Pharm Educ.* 61:131-135. Summer 1997.

Dunn EB, **Vanderbush RE**, McCormack J, Morrison WJ. Survey Results of Nontraditional Pharm D Students at the University of Arkansas for Medical Sciences. *Hosp Pharm.* 1996; 31:955-958.

Monaghan MS, **Vanderbush RE**, McKay A. Evaluation of Clinical Skills in Pharmaceutical Education: Past, Present, and Future. *Amer J Pharm Ed.* Winter 1995; 59:354-358.

**Vanderbush RE**, Dunn E, Morrison WJ. Nontraditional Pharm.D. Program at the University of Arkansas for Medical Sciences. *Am J Health-Syst Pharm.* 1995; 52:620-623.

**Vanderbush RE**, Goad DL, Udeaja JO, Rollins S, Morrison WJ. Nontraditional Clerkships at the University of Arkansas. *Amer J Pharm Ed*. Fall 1994; 58:294-299.

Darr MS, Self TH, Ryan MR, **Vanderbush RE**, Boswell RL. Content and Retention Evaluation of an Audiovisual Patient-Education Program on Bronchodilators. *Am J Hosp Pharm*. 1981; 38:672-675.

Self TH, **Vanderbush RE**. Letter to Editor, Cost of Continuous Infusion vs. Intermittent IV Heparin. *Amer Heart Journal*. 1980; 99:816-818.

**Vanderbush RE**, Self TH, Ryan MR, Hammel K. Evaluations of a Videocassette Approach to Inservice Training for Nurses. *Hosp Pharmacy*. 1980; 11:664-670.

**Vanderbush RE**, Johnston PE, Whalen FJ. A Two-Blank System to Minimize Prescription Forgeries. *Hosp Formulary*. 1980; 15:389-395.

## INTERNET PUBLICATIONS

Southern Pharmacy Administration Conference <http://cop.uams.edu/spac>

Pharmaceutical Evaluation and Policy Internet Homepages <http://cop.uams.edu/pep>

Traditional Clerkship Homepages <http://cop.uams.edu/clerk/>

College of Pharmacy Alumni Homepages <http://cop.uams.edu/alumni/>

Alumni Discussion Boards <http://www.uams.edu/cop/alumni/forum/login.asp?target=default.asp>

Hospital Pharmacy Management <http://www.uams.edu/hpm>

Nontraditional Pharm.D. Pathway pages <http://www.uams.edu/ntpdp>

Pharmacy Informatics <http://webct.uams.edu/webct/public/home.pl>

College of Pharmacy Homepage <Http://www.uams.edu/cop>

On line Clerkships <http://www.uams.edu/nontrad/clerkship.html>

**Vanderbush RE**, Dunn E. Primer of America's Top Pharmaceutical Products. UAMS, Updated Summer 1998.

**Vanderbush RE**, College of Pharmacy, Pharmacy Informatics Clerkship Home Page.(1998). <http://www.uams.edu/pharminformatics>

**Vanderbush RE**, College of Pharmacy, Pharmacy Informatics Course Home Page.(1998).  
<http://www.uams.edu/classinformatics>

**Vanderbush RE**, College of Pharmacy, Pharmacy Informatics Clerkship discussion forum and testing Homepage.(1998). <http://academic.uams.edu/onlinecourses/>

**Vanderbush RE**, Dunn E. Primer of America's Top Pharmaceutical Products. UAMS, December 10, 1997.

**Vanderbush RE**, College of Pharmacy, Pharmacy Practice Home Page.  
<http://amanda.uams.edu/NTP/PP/Pwebpage.html> (June 1995 - 1998)

### **MINOR PUBLICATIONS:**

Publications of newsletters and departmental articles are too numerous to mention. Estimated at one hundred and fifty.

### **SCIENTIFIC EXHIBITS AND ABSTRACTS**

**Vanderbush RE**, Johnson JT, Hutchison LC, West DS. Use of an Audience Response System in Continuing Education. *Am J Pharm Educ.* 70(3) 33. 2006

Westmoreland K, Caldwell A, **Vanderbush RE**. Evaluating the Effectiveness of Pharmacy Informatics in Educating Student Pharmacists on the Proper Use of Inhalers. *J Am Pharm Assoc.* 46(2) 283. 2006.

Caldwell A, Westmoreland K, **Vanderbush RE**. Evaluating the Utility of a Student Pharmacist Designed Internet Homepage Describing the Pharmacy Profession and Life as a Student to Create Interest Among Those Considering Pharmacy as a Career. *J Am Pharm Assoc.* 46(2) 284. 2006.

**Vanderbush RE**. Honorable Mention for Innovation in Teaching with Technology Category. UAMS competition (January 2005)

**Vanderbush RE**, Relationships Between Practice Site and Career Goals to Nontraditional Clerkship Selection. AACP 2003 Annual Meeting, Minneapolis, Minnesota, July 2003. *Am J Pharm Educ.* 63 (3) 2003

**Vanderbush RE**, Hand-on Viewletbuilder3 Workshop. Pharm Educ AACP 2003 Annual Meeting, Minneapolis, Minnesota, July 2003. *Am J Pharm Educ* 2003;63 (issue 3)

**Vanderbush RE**, Palm Operating System Emulator Slice of Life for Multimedia Developers and Educators Philadelphia, PA.; 2003 <http://slice.gsm.com/2003/index.htm> (accessed 2003 June 20)

**Vanderbush RE**, Viewletbuilder 3 Slice of Life for Multimedia Developers and Educators Philadelphia, PA.; 2003 <http://slice.gsm.com/2003/index.htm> (accessed 2003 June 20)

**Vanderbush RE**, Grady AR. Standardized Participant Encounters - Student Evaluations. AACP 1998 Annual Meeting, Snowmass, Colorado, July 1998. Am J Pharm Educ 1998;62(suppl):109s.

**Vanderbush RE**, Dunn E. Primer of Americas Top Pharmaceutical Products. Pharm Educ AACP 1998 Annual Meeting, (Computer Presentation Showcase) Snowmass, Colorado, July 1998. Am J Pharm Educ 1998;62(suppl):122s.

Monaghan MS, **Vanderbush RE**, Grady AR. Traditional, Nontraditional, and Practitioner Attitudes Toward the Use of Standardized Patients in the Evaluation of Clinical Skills. AACP 1998 Annual Meeting, Snowmass, Colorado, July 1998. Am J Pharm Educ 1998;62(suppl):104s.

Grady AR, **Vanderbush RE**. Evaluation of Student Performance Feedback in Staged Scenario Encounters with Standardized Participants. AACP 1998 Annual Meeting, Snowmass, Colorado, July 1998. Am J Pharm Educ 1998;62(suppl):109s.

Grady AR, **Vanderbush RE**. Faculty Impressions Concerning Standardized Participant Encounters Program. AACP 1998 Annual Meeting, Snowmass, Colorado, July 1998. Am J Pharm Educ 1998;62(suppl):110s.

**Vanderbush RE**, McKay AB, Monaghan MS, Gardner SF, and Schneider EF. A Computerized Database Approach to Enhancing Critical Thinking. AACP 1997 Annual Meeting, Indianapolis, Indiana, July 1997. Am J Pharm Educ 1997;61(suppl):97S.

Monaghan MS, **Vanderbush RE**, Gardner SF, Schneider EF, Grady AR, McKay AB. Standardized patients: an ability-based outcomes assessment for the evaluation of clinical skills in traditional and nontraditional education. AACP 1997 Annual Meeting, Indianapolis, Indiana, July 1997. Am J Pharm Educ 1997;61(suppl):103S.

Cantrell M, Monaghan ME, **Vanderbush RE**, Heard J. A Unique Application of Standardized Patients: The Pharmaceutical Care Encounter Program. Seventh Ottawa Conference, The Netherlands, June 1996.

Hastings JK, **Vanderbush RE**, Reinhardt GR. Nontraditional Pharm.D. Students Utilize a Community Clinical Clerkship to Enhance Their Patient-oriented Practice Skills. APHA. March 1996.

**Vanderbush RE**. The Nontraditional Pharm.D. Pathway at the University of Arkansas College of Pharmacy, Round Table Discussion Leader. AAHP Annual Meeting. Hot Springs, September 1995.

**Vanderbush RE**. Nontraditional Clerkships. Innovations in Pharmacy  
Vanderbush, RE

Competition, Honorable Mention. AACP Annual Meeting, Philadelphia, Pennsylvania, July 1995. *Am J Pharm Educ.* 1995; 59 (suppl):105S.

**Vanderbush RE**, McKay A, Enderlin G, Johnson D. Pharmacy Informatics. AACP Annual Meeting, Philadelphia, Pennsylvania, July 1995; *Am J Pharm Educ.* 1995; 59 (Suppl): 87S.

**Vanderbush RE**. A Nontraditional Plan of Study, AACP Annual Meeting, Philadelphia, Pennsylvania, July 1995. *Am J Pharm Educ.* 1995; 59 (Suppl):

**Vanderbush RE**, Skelton D, Monaghan MS, Hastings J. Measurement of Nontraditional Clerkship Outcomes. AACP Annual Meeting, Philadelphia, Pennsylvania, July 1995. *Am J Pharm Educ.* 1995; 59 (Suppl): 83S.

Gardner SF, Monaghan MS, McIntyre WJ, Hudson TJ, Marx MA, **Vanderbush RE**. Development of an Adult Medicine Clerkship for a Nontraditional Pharm.D. Program. AACP Annual Meeting, Albuquerque, New Mexico, July 1994. *Am J Pharm Educ.* 1994; 58 (Suppl):101.

Schneider EF, Udejaja JO, **Vanderbush RE**. Development and Implementation of an Ambulatory Care Rotation for Students Enrolled in a Nontraditional Doctor of Pharmacy Program, AACP Annual Meeting, Albuquerque, New Mexico, July 1994. *Am J Pharm Educ.* 1994; 58 (Suppl): 124.

Gannaway JD, Monaghan M, **Vanderbush RE**. A Drug Information Rotation for a Nontraditional Pharm.D. Program, AACP Annual Meeting, Albuquerque, New Mexico, July 1994. *Am J Pharm Educ.* 1994; 58 (Suppl):124S.

**Vanderbush RE**, Morrison WJ. The Nontraditional Pathway, University of Arkansas for Medical Sciences, AACP Annual Meeting, Albuquerque, New Mexico, July 1994. *Am J Pharm Educ.* 1994; 58 (Suppl):124S.

**Vanderbush RE**, Lincourt M. The Nontraditional Pharm.D. Pathway at the University of Arkansas College of Pharmacy, Poster Presentation APA Annual Meeting, May 1994.

## GRANTS AND CONTRACTS

Public Health Trust's "Pharmaceutical Marketing and Evidence Based Medicine Education Program" Submitted October, 2005. Requested \$394,528 over 2 years.

Martin BC, Mays G, West D, Hong SH, Vanderbush R, Hudson T, Borders T. "The University of Arkansas for Medical Sciences Pharmaceutical Policy Research Center.". Merck Foundation. Submitted September 2005, (\$600,000 over 3 years, not funded).

Owen R, et al. "UAMS-CERT: Increasing the Safety and Effectiveness of Psychotropic Drugs." (Co-Investigator) AHRQ-CERT (RFA HS 05014), submitted March 2005, (\$3,984,015 over 5 years, not funded).

The Use of Standardized Patients for the Assessment of Clinical Skills in Pharmaceutical  
Vanderbush RE

Education. Grant Awards for Pharmacy Schools (GAPS), April 1994, \$48,292.00, co-investigator.

The Structure and Assessment of Clinical Knowledge. Arkansas Department of Higher Education, May 1994, \$100,000. Assumed investigators position when primary investigator moved.

Development of Critical Problem-solving Skills in Nontraditional Learners Through Creation of Virtual Classroom. Grant Awards for Pharmacy Schools (GAPS), January 1995, \$89,161. submitted co-investigator

Halberg DL, Dunn E, **Vanderbush RE**, Wolfe J., Fund for the Improvement of Postsecondary Education (FIPSE). Preventing Medication Errors: Using Computer Assisted Instruction to Improve Awareness, Detection, and Reporting, 1998 (Not funded \$294,411)

### **SPECIAL NATIONAL PRESENTATIONS, AWARDS and WORKSHOPS**

Honorable Mention, UAMS Innovations in Teaching, 2005

Honorable Mention, American Association of Colleges of Pharmacy (AACP) Innovations in Teaching Award, 1995.

Invited Speaker, New Models for Nontraditional Experiential Education, Center for Advancement of Pharmaceutical Educations (CAPE), Reno, Nevada. July 13, 1996.

Speaker, The Use of Standardized Patients in Pharmaceutical Education, AACP Annual Meeting. July 17, 1996.

The Nontraditional Pharm.D. Pathway at the University of Arkansas for Medical Sciences, Center for Advancement of Pharmaceutical Education (CAPE), Washington D.C. May, 1994. (recognized by the Executive Director of AACP through a call to the Dean 5-4-94 and followed up by letter, as making a significant contribution in a platform presentation)

Nontraditional Programs: Presented an afternoon workshop for "Key Issues in Contemporary Programs" for ACPE's 6th Invitational Conference on Continuing Education, Key West, Florida May 19, 1995.

Nontraditional Clerkship Development: Presented an afternoon workshop for "Development of Nontraditional Clerkships" for CAPE's annual meeting, preceding AACP's annual meeting, Philadelphia, Pennsylvania, July 7, 1995.

### **SPECIAL PROJECTS UAMS COLLEGE OF PHARMACY**

Speaker, CAI-PBL Friday at Noons, November 7, 1997.

Speaker, College of Pharmacy Faculty Retreat Program, October 3, 1997.

Primary Author of the Informatics Clerkship Course 6693 for Nontraditional Students, UAMS 1994

Primary Author of the Drug Use Evaluation Course 6693 for Nontraditional Students, UAMS 1994

Coordinated and spearheaded the development of the Hospital Practice Clerkship 6673 for Nontraditional Students, UAMS 1993

Coordinated and spearheaded the development of the Adult Medicine Clerkship 6613 for Nontraditional Students, UAMS 1993

Coordinated and spearheaded the development of the Home Infusion Clerkship 6693 for Nontraditional Students, UAMS 1993

Coordinated and spearheaded the development of the Ambulatory Care/Family Practice Clerkship for Nontraditional Students, UAMS 1993

## **REVIEWER**

American Journal Pharmaceutical Education (1993 – 2001)

Idaho Department of Higher Education (1996)

Electronic-Based Instructional Resources (EBIR) AACP (1997 – current)

## **COMMITTEE PARTICIPATION**

### **NATIONAL COMMITTEE PARTICIPATION (AACP)**

Center for the Advancement of Pharmaceutical Education (CAPE)(1994 - 2000)

Selected Member of the CAPE Nontraditional Education Group for the National Clerkship/Preceptor/Training Site Clearinghouse (1995)

Member, AACP Council of Faculties - Computer Technologies Committee. (1996 - present)

### **UAMS COMMITTEE PARTICIPATION**

North Central Accreditation (NCA), Criteria One member, 2006

Chairman, Ad hoc committee evaluating On-line CE E-commerce

College of Pharmacy's representative, UAMS's Information Technology Committee (2000 – current)

Chair, North Central Accreditation Committee (NCA) Criterion One Committee 1996.

UAMS Information Technology (IT) Committee, Strategic Planning (1998).

College of Pharmacy's representative, UAMS Library Committee (1997 - present)

College of Pharmacy's representative, UAMS's Telemedicine Distance Learning Committee (TDLC), (1995 - 2000)

College of Pharmacy's representative, UAMS's House of Delegates Off-Campus Committee (1995 – current)

Project Mercury, Readiness Assessment Task Force, College of Pharmacy representative, 2000-2001

## **COLLEGE OF PHARMACY COMMITTEE PARTICIPATION**

ACPE Accreditation Self-Study Committee, 2006

College of Pharmacy Faculty Bylaws revision committee, 1999.

ACPE Interim Report Committee member of the University of Arkansas for Medical Sciences College of Pharmacy, 1997

ACPE Accreditation Self-Study Committee 1994 Faculty and Staff

ACPE Accreditation Self-Study Committee 1994 Evaluation and Outcome

Department of Pharmacy Practice Evaluation and Outcome Committee, 1993

Chairman, College of Pharmacy Computer Utilization Committee (1995 - present)

Department of Pharmacy Practice, Curriculum Evaluation Committee, Summer, 1997

Department of Pharmacy Practice, Curriculum Immunization Committee, Winter, 1997

Chairman, ACPE Accreditation Self-Study Committee 1994 Assessment and Outcome, 2000

## **STATE AND LOCAL PROFESSIONAL PRACTICE COMMITTEE PARTICIPATION**

College representative, Central Arkansas Hospital Directors of Pharmacy. Meets monthly (1993 - present).

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