

## **BIOGRAPHICAL INFORMATIONs**

### **PERSONAL:**

NAME: **Stephen M. Caiola, MS, FRSPH**

HOME ADDRESS: 505 Colony Woods Drive  
Chapel Hill, North Carolina 27517

WORK ADDRESS: CB# 7360, Beard Hall  
School of Pharmacy  
University of North Carolina at Chapel Hill  
Chapel Hill, NC 27599-7360  
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DATE OF BIRTH: August 30, 1943 (Akron, Ohio)

MARITAL STATUS: Married to the former Judith Ann Siracusa  
Three adult children

### **EDUCATION:**

The Ohio State University, Columbus, Ohio  
Master of Science in Pharmacy, August 1969.

Residency in Hospital Pharmacy, The Ohio State University Hospitals,  
July 1, 1966 to June 30, 1968.

Duquesne University, Pittsburgh, Pa., B.S. in Pharmacy, 1966.

### **PRESENT POSITION:**

Associate Professor; Chair, Division of Pharmacy Practice & Experiential Education, September 2007 to present; School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC

### **POSITIONS HELD:**

Associate Professor; Director, Postgraduate/Continuing Education Program, July 1998 to January 2009, and Interim Chair, Division of Pharmacy Practice & Experiential Education, June 2006 to September 2007; School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC

Associate Professor; Director, Postgraduate/Continuing Education Program, July 1998 to present, and Director, Community Pharmacy Residency Program, January 1, 2001 to June 30, 2005, School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, N.C.

Associate Professor and Vice Chairman, Division of Pharmacy Practice, and Director, Pharmacy Area Health Education Centers (AHEC) Program, School of Pharmacy, University of North Carolina, Chapel Hill, N.C.; July 1984 to June 1998.

Associate Professor and Coordinator for Ambulatory Care Pharmacy Services, School of Pharmacy, University of North Carolina, Chapel Hill, N.C.; July 1977 to June 1982, and Director of Pharmacy Services, Orange-Chatham Comprehensive Health Services, Inc., Carrboro, N.C.; July 1974 to June 1982.

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Assistant Professor and Coordinator for Ambulatory Care Pharmacy Services, Division of Pharmacy Practice, School of Pharmacy, University of North Carolina, Chapel Hill, N.C., and Director of Pharmacy Services, Orange-Chatham Comprehensive Health Services, Inc., Carrboro, N.C.; July 1, 1974 to July 1, 1977.

Assistant Professor and Director, Clinical Pharmacy Program, School of Pharmacy, University of North Carolina and Associate Director of Pharmacy Services, N.C. Memorial Hospital, Chapel Hill, N.C.; July 1, 1971 to July 1, 1974.

Instructor and Director, Clinical Pharmacy Program, School of Pharmacy, University of North Carolina and Associate Director of Pharmacy Services, N.C. Memorial Hospital, Chapel Hill, N.C.; July 1, 1969 to June 30, 1971.

Instructor, School of Pharmacy, University of North Carolina and Assistant Director of Pharmacy Services, N.C. Memorial Hospital, Chapel Hill, N.C.; January 1, 1969 to June 30, 1970.

### **UNIVERSITY AND SCHOOL OF PHARMACY ACTIVITIES:**

North Carolina Tripartite Committee on Externship/Internship, Member, September 1971 to present; Secretary, January 1971 to September 1974 and September 1985 to September 1987; Chairman, September 1979 to September 1980, September 1982 to September 1983, September 1990 to September 1991; June 2005 to present.

Curriculum Committee, July 1973 to September 1974; September 1975 to August 1981; September 1983 to August 1986.

Area Health Education Committee, September 1973 to September 1977.

Off-Campus Education Committee, Co-Chairman, August 1981 to August 1983.

Pharmacy Area Health Education Centers Program, Director, July 1984 to June, 1998.

Faculty Advisor, Student American Pharmaceutical Association - North Carolina Pharmaceutical Association, September 1970 to 1977.

Coordinator and/or participant instructor for numerous Division of Pharmacotherapy (formerly Pharmacy Practice) courses, January 1969 to 2006.

Pharmacy Faculty Member in the Interdisciplinary Health Team Project, a federally funded effort of interdisciplinary faculty that offered didactic and experiential clinical practice courses for selected students in six health science disciplines, Fall 1975 to June 30, 1979.

Faculty Advisor for undergraduate students, Fall Semester, 1977 to Spring Semester, 1985; Fall 1997 to Spring 2006.

Speaker at numerous School of Pharmacy sponsored or co-sponsored continuing education programs across the state.

Primary Promotions Committee, July 1977 to August 1981; Chairman, July 1978 to August 1981; July 1998 to 2000.

Legislative Task Group (to study and report to faculty on legislation and regulations that affect pharmacy practice), 1980 to 1982.

Information Technology Advisory Committee (formerly the Learning Resources Committee), September 1980 to August 1981; September 1989 to 2002.

Dean's Advisory Council, July 1984 to June 1998.

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- University Faculty Council Member, elected to represent School of Pharmacy, September 1981 to August, 1984; alternate, July 1, 1992 to June 30, 1993.
- Graduate Education and Research Committee, August 1981 to August 1983; Chairman, August 1982 to August 1983.
- Task Force on Goals (N.C. Memorial Hospital--School of Pharmacy), Chairman; responsible for developing a Letter of Agreement between both parties; December, 1982 through October, 1983.
- Petitions Committee, September 1983 to August 1985.
- Honors Program Advisory Committee, August 1983 to June 1986; Chairman, August 1983 to August 1984 and August 1985 to June 1986.
- Accreditation Self-Study Committee, Chairman, August 1983 to May 1985;  
Member, August 1988 to January 1992.
- Advisor to Junior Faculty for Division of Pharmacy Practice clinical faculty; 1985 to 1998.
- School of Pharmacy Administrative Board Member; 1985; 1986.
- Health Promotion/Disease Prevention Pharmacy Subcommittee, August 1986 to August 1987.
- Continuing Education/Extension Committee, August 1986 to July 1993.
- Faculty Development Committee, August 1987 to 1992; Chairman, August 1987 to August 1988 and August 1990 to August 1991.
- Task Force on the Pharm.D. as the Entry Level Degree, Member, August 1989 to August 1990.
- Practitioner-Instructor Development Committee, August 1988 to July 1993.
- Strategic Planning Committee, August 1990 to August 1991.
- Area Health Education Centers Health Sciences Liaisons Committee, January 1993 to June 1998; July 2003 to present.
- School of Pharmacy Faculty Code Revision Committee, 1993-4.
- External Professional Education Committee (formerly, the External Pharm.D. Planning Committee), January 1993 to 1998.
- Grant Awards to Pharmacy Schools Proposal Review Committee, 1993-4.
- Task Force for the Generalist Physician (Subcommittee on Curriculum and Community Education), January 1993 to June 1995
- Interdisciplinary Service-Learning Faculty Advisory Committee ("Health Professions Schools in Service to the Nation" - Pew Foundation funded project for first three years), January 1995 to July 1998.
- Interdisciplinary Training in Rural Health Committee, September 1994 to July 1998.
- Planning Committee for the 25<sup>th</sup> Anniversary Celebration of the North Carolina AHEC Program, September 1996 to September 1997.
- Board of Directors (School's representative), North Carolina Center for Pharmaceutical Care, Vice-Chairman, January 1997 to present
- Ambulatory Care Selective Focus Group for School of Medicine, November 1997

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Search committees (as chair and/or member) for numerous Pharmacy Practice Faculty, including the Chairman of Pharmacy Practice, the Director for External Professional Programs, and most AHEC-based and Community Based Practice Faculty.

Health Affairs Planning Committee for an Interdisciplinary Preceptor Workshop (School's representative), February 1998.

University Travel System Focus Group, July 1997.

Faculty Mentor for North Carolina Schweitzer Fellow (Pharmacy student Christopher Sugg), April 1998 to April 1999.

Service Learning Course Development Grants Review Committee, developed application criteria and selected award recipients, January to April 1998.

Postgraduate/Continuing Education Program, School of Pharmacy, Director; July 1998 to January 2009.

Interdisciplinary Certificate in Aging Advisory Committee (School's representative), July 1999 to July 2001.

Program on Enhancing Education Through Technology (PEET) Scholarly Group in the School of Pharmacy; September 2001 to 2004.

Chaired Self-Study for preparation & submission of application to continue ACPE accreditation for the School of Pharmacy's Postgraduate/Continuing Education Program; Spring 2001; Spring 2007.

Community Pharmacy Residency Program, Director; January 1, 2001 to June 30, 2005.

Member, School of Pharmacy Admissions Committee; 2004 to 2007.

Member, William and Ida Friday Center for Continuing Education Advisory Board, July 2005 to present.

Member, Community Pharmacy Advisory Committee, September 2004 to present.

Strategic Planning Steering Committee, Chair, March 2005 to December 2005.

Secretary of the Faculty, School of Pharmacy, July 2005 to May 2008.

Member, Committee to review Policies & Procedures Governing Appointments, Reappointments, Promotion, & Tenure for Faculty in the School of Pharmacy, July 2005 – December 2006.

Presenter, UNC School of Pharmacy Board of Visitors Meeting, November, 2005; Topic: "Formation of the Division of Pharmacy Practice & Experiential Education."

Member, School of Pharmacy Executive Committee, June 2006 to present.

Chair, Transition Team to form Division of Pharmacy Practice & Experiential Education, June – December, 2007.

Member, Search Committee for the Chair for the Division of Pharmacy Practice & Experiential Education; Fall, 2006 to August, 2007.

Presenter, UNC School of Pharmacy Board of Visitors Meeting, November 10, 2006; Topic: "Engagement Through Practice & Experiential Education."

Reviewer, UNC School of Public Health Gillings Innovation Laboratories proposal; 2007.

Member, Steering Committee and Collaborative Working Group to define new collaborative relationship between the School and the UNC Hospitals Department of Pharmacy, July 2008 to present.

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### ACTIVITIES IN PROFESSIONAL ORGANIZATIONS:

#### American Pharmacists Association - Member

- Academy of Pharmacy Practice and Management - Member
- Community Pharmacy Residency Advisory Committee, 1988 to 1992.
- Professional Affairs Reference Committee member, 1991.
- Educational Affairs Policy Committee member, 1993-4.
- Educational Affairs Reference Committee member, 1994.
- Educational Affairs Policy and Reference Committees Chairman, 1994-5.
- New Business Review Committee Chairman, 1996
- NCPHA/NCAP Delegate to APhA House of Delegates, 1990 to present.
- Reviewer, APhA Community Practice Residency Guidelines, 1997.
- Reviewer, Contributed papers for APhA Annual Meeting; 2000 to present.
- Reviewer, Contributed posters awards for APhA Annual Meeting; 2007.

#### American Society of Health-System Pharmacists - Member

- Member, Advisory Panel on Pharmacy Services in Ambulatory Settings; February 1975 to April 1977.
- Member, Special interest Group (SIG): Ambulatory Care Pharmacy Practice; Chairperson, October 1975 to May 1977; member of nominations committee 1983, 1984, 1985, 1986.
- Task Force Member with American Nurses' Association to study medication administration and prepare guidelines for a position paper.
- Counter panelist for the Task Force on Advanced Residency Training and Accreditation in reviewing the "Specialty Practice and Training Analyses" for ambulatory care pharmacy practice, October 1975.
- Committee on Nominations, second alternate, April 1976 to May 1977.
- Advisory Panel on Award, ASHP Research and Education Foundation, - January 1978 to December 1979.
- Reviewer for Midyear Clinical Meeting papers and cases; 1977 to 1980.
- Reviewer of manuscripts submitted for publication in the American Journal of Health-System Pharmacy, 1982 to 1993.

#### American Association of Colleges of Pharmacy - Member

- Member, Pharmacy Practice Section, 1972 to 99; 2008 to present.
- Member, Section on Continuing Professional Education, 1999 to 2008.
  - Editor, Section newsletter, *In the News*, July 2000 to 2005.
  - Newsletter Committee, Chairman, July 2001 to 2005.
  - Special Committee on Use of the Internet, July 2001 to 2005.
  - "Working group" with ACPE to develop standards for online/distance learning and web-based statements of credit, July 2001 to June 2002.
  - Resolutions Committee, member; 2007-8
- UNC-CH School of Pharmacy Delegate to AACP House of Delegates, 1980; 1985; 1995; Alternate Delegate, 1994.
- Member, Professional Affairs Committee, 1985.
- Member, Research and Graduate Affairs Committee, 1992-1993.
- Member, GAPS Technical Advisory Panel, 1991-1992, 1992-1993.
- Member, Professional Experience Programs Special Interest Group (PEPSIG), 1987 to 1999.
  - Task Force on Community Pharmacy Clinical Clerkships, 1988-89.
  - Task Force on Preceptor Training/Development, 1989-91.

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- Task Force to develop Continuous Quality Improvement Standards for Experiential Education Programs, 1992-1994.
- Member, faculty panel to evaluate Innovations in Teaching Competition portfolios, 1993.

Rho Chi Honorary Pharmaceutical Society - Member

Phi Lambda Sigma Honorary Pharmaceutical Society - Member

N.C. Association of Pharmacists – Member 1969 to present (N.C. Pharmaceutical Association merged with the N.C. Society of Hospital Pharmacists in 2000 to form the N.C. Association of Pharmacists)

- Member, Institutional Pharmacy Committee, 1975 to 1979; Chairman, 1977.
- Member, Committee on the Delivery of Pharmaceutical Services, 1979, 1980.
- Member, Continuing Education Committee, 1983.
- Member, Public Health Committee, 1984, 1985, 1986, 1987.
- Member, Community Pharmacy Practice Committee, 1988.
- Member, Professional and Public Relations Committee, 1981, 1989, 1990 (Chairman), 1991 (Chairman).
- Member, Constitution and Bylaws Committee, 1989; Chairman, 1992-1996.
- Delegate to APhA House of Delegates, 1990 to 1999; 2001 to present.
- Member, Strategic Planning Task Force, 1993.
- Member, Editorial Advisory Board, 1995-7; Chairman, 1998.
- Ex-officio member, Board of Directors, 2005 - present
- Director, Postgraduate Education and Training, 1999 to January 2009
- Ex-Officio member, Education Council, 1999 to present
- Ex-Officio member, Pharmacotherapy Advisory Committee, 1999 to 2004
- Member, Editorial Advisory Committee, 1999 to 2004; Chairrman, 1999 to 2004
- Delegate to APhA House of Delegates, 2000, 2002 to present.
- Member (ex officio), Clinical Pharmacist Practitioner Committee, September 2001 to present.
- Member, Continuing Professional Development Task Force, June 2005 to present

N.C. Society of Health-System Pharmacists – Member (NCSHP became the Acute Care Practice Forum of NCAP, January 1, 2000)

- Executive Secretary, January 1975 to December 1978.
- Editor, NCSHP Newsletter, March 1977 to December 1978.
- Ex-Officio member of the Board of Directors, 1979 to 1980.
- Member, Pharmacy Practice Committee, 1980 (Chairman); 1986 to 1990; 1998.
- Member, Legal and Regulatory Affairs Committee, 1983.
- Member, Finance Committee, 1984, 1988 to 1992.
- Member, Nominations and Awards Committee, 1985.
- Member, Communications and Public Relations Committee, 1990, 1992, 1994 to 1999.
- Member, Program Committee, 1992 to 1999.
- Member, Planning Committee, 1998-99.

American Association of Adult and Continuing Education - Membership

## **OTHER PROFESSIONAL ACTIVITIES:**

Review Panel member for the American Pharmaceutical Association project with A-V Scientific Aids, Inc. to review scripts for patient education filmstrips; March-December, 1978.

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Member, Editorial Advisory Board, The Annals of Pharmacotherapy (formerly Drug Intelligence and Clinical Pharmacy.) January 1978 to December 1981; January 2000 to present. Involves review of manuscripts for potential publication and authoring of book reviews. Reviewer of manuscripts submitted for publication 1982 to present.

Member, Pharmacy Advisory Board for the second edition of Medication Guide for Patient Counseling by Dorothy Smith, a text of monographs for patient education, 1980.

Member, Review Panel for the Handbook of Nonprescription Drugs, published by the American Pharmaceutical Association; 1982 (7th edition); 1986 (8th edition); 1990 (9th edition; 2 chapters); 1993 (10th edition; 2 chapters); 1995 (11 edition; 2 chapters); 1998 (12<sup>th</sup> edition; 2 chapters); 2001 (13<sup>th</sup> edition; 2 chapters); 2003 (14<sup>th</sup> edition; 2 chapters); 2005 (15<sup>th</sup> edition; 2 chapters); 2007-2008 (16<sup>th</sup> edition; 2 chapters).

Selected as a participant in the Pharmaceutical Manufacturer's Association Faculty Visitation Program, Merck Sharpe and Dohme Laboratories, West Point, PA, August 17-28, 1981.

Reviewer for the American Association of Colleges of Pharmacy - Lilly Geriatric Curriculum Project in conjunction with the Health Sciences Consortium, Fall, 1983.

Reviewer, for the Pharmacist's Therapeutic Reference, published by the Consumer Health Information Corporation, 1986.

Reviewer, for Understanding Prescription Drugs, 2nd Edition, by Dorothy Smith, published by Pocket Books, a division of Simon and Schuster, 1986.

Member, Outside Review Committee for the Ohio Area Health Education Centers (AHEC) Program and Ohio AHEC Strategic Planning Task Group, 1988.

Member, Specialty Council on Nutrition Support Pharmacy Practice, Board of Pharmaceutical Specialties, 1989 to 1993.

Consultant, University of Florida College of Pharmacy to review their Experiential Education Program; February, 1991.

Reviewer, Chapter 17, "Competence for Pharmaceutical Care," in Pharmaceutical Care, published in 1996.

Reviewer, 1997 North Carolina Health Careers Manual, distributed by the North Carolina AHEC Program to the state's high schools and community colleges.

Member, Expert Reviewer Panel for Purdue University project "Development and Testing of an Instrument to Assess Behavioral Professionalism of Pharmacy Students," March 1998.

Reviewer, South Carolina Commission on Higher Education Research Initiative Grants; reviewed one grant application; November 2000.

Member, Editorial Advisory Board, Journal of the American Pharmacists Association, March 2002 to March 2005.

Reviewer, Journal of the American Pharmacists Association, 2002 to present.

Reviewer, American Journal of Pharmaceutical Education, 2003 to present.

Reviewer, continuing education provider self-study reports to the Accreditation Council for Pharmacy Education for the purpose of re-accreditation; 2003 to present.

Member, Continuing Pharmacy Education Commission, Accreditation Council for Pharmacy Education; 2007 to present.

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### **AWARDS:**

North Carolina Society of Hospital Pharmacists Achievement Award, 1979.

Dean's Special Recognition Award for noteworthy contributions to the professional development of pharmacy students at the national level, 1992.

Fellow, Royal Society of Public Health (Great Britain), 1993 to present.

Dean's Distinguished Achievement Award for accomplishments in academic pharmacy, presented on the occasion of the 70th anniversary of the founding of the Duquesne University School of Pharmacy; September 23, 1995

American Society of Parenteral and Enteral Nutrition (ASPEN) Recognition Award for service as a Founding Member of the Board of Pharmaceutical Specialties Specialty Council on Nutrition Support Pharmacy Practice, 1989-1993; Presented: December, 1995.

North Carolina Pharmaceutical Association Award of Excellence, in honor of serving as Chairman of the Constitution and Bylaws Committee during a period of extensive revision of the Association's governing documents; May 24, 1996.

North Carolina Association of Pharmacists' Don Blanton Award, for outstanding contributions to North Carolina pharmacy during the previous year; October, 2001.

North Carolina Association of Pharmacists Acute Care Pharmacist of the Year Award, April 24, 2007

### **CIVIC ACTIVITIES:**

Member, Board of Directors, Chapel Hill-Carrboro Chapter, American Red Cross; 1984; 1985 (Secretary and member of the Executive Committee); 1986.

Recruiter, American Red Cross University-Wide Blood Drives, 1993 to 1996.

### **RESEARCH INTERESTS:**

Development, implementation and evaluation of pharmacy experiential education models.

Development, implementation and evaluation of interdisciplinary service models and pharmacotherapy studies in ambulatory pharmacy practice.

Development, implementation and evaluation of adult education models in pharmacy.

### **GRANTS:**

Co-Investigator, HEW Training Grant, "Interdisciplinary Team Education for Primary Care," awarded July 1, 1975 to July 1, 1978 in the amount of \$418,235.

Author of pharmacy service portion (approximately \$400,000/year) of PHS-HHS Grant for the Orange-Chatham Comprehensive Health Services, Inc., a system of three community health centers, funded annually; 1975 to 1982.

Recipient (with Sandra H. Hak) of \$1,000 grant from the Bureau of Health Education of the American Hospital Association to plan and conduct a "Patient Medication Training Workshop," held April 18, 1979, in Raleigh, N.C.

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- Faculty Advisor of Suzanne Blaug, Sigma XI Undergraduate Research Award winner for the study, "Sensitivity of Five OTC Pregnancy Tests," 1980-81. Grant Award: \$70.00.
- Principal Investigator, Smith Kline Corporation Grant Award to study "The Clinical Pharmacy Faculty Member/Practitioner in the Family Practice Center"; July 1981; Grant Award: \$17,000.
- Principal Investigator, studies with the International Fertility Research Program to evaluate the sensitivities of home use pregnancy testing kits; summer, 1982. Pregnancy test kits and research supply funds valued at approximately \$8,000.
- Co-Principal Investigator, Pharmacy Foundation of North Carolina grant to study "The Effect of Increased Accessibility to Patient Specific information on Pharmacists' Interventions;" November, 1983; Grant award: \$1,500.
- Principal Investigator, studies to evaluate the sensitivities of reformulated home use pregnancy testing kits; spring 1984. Pregnancy test kits and research support funds from Ortho laboratories valued at approximately \$4,500.
- Principal Investigator, American Association of Colleges of Pharmacy Grant Awards to Pharmacy Schools program to study "A Practitioner-Instructor (Preceptor) Development Program: The Initial Phase;" July, 1987; Grant award: \$34,925.
- Principal Investigator, "Practitioner-Instructor (Preceptor) Development Program," Burroughs Wellcome Company donated time for production and editing of 23 videotape vignettes, January - April, 1988; time and professional assistance valued at \$15,000.
- Principal Investigator, University of North Carolina Lupton Opportunity Fund, "Master Preceptor Development for the Undergraduate Experiential Program" to support undergraduate teaching. October, 1987; Grant award: \$2,000. October, 1988; Grant award: \$5,000. October, 1989; Grant award: \$6,000.
- Principal Investigator, American Association of Colleges of Pharmacy Grant Awards to Pharmacy Schools Program to study "A Community Pharmacy Clinical Clerkship Model: Learning Objectives, Preceptor Selection and Education, and Evaluation of the Model;" June, 1991; Grant award: \$36,740.
- Recipient, grants from SmithKline Beecham Pharmaceuticals to support Training Pharmacy Preceptor Workshops throughout North Carolina in 1992; January, 1992, Grant award: \$3,000. July, 1992, Grant award \$2,000.
- Principal Investigator, University of North Carolina Lupton Opportunity Fund grant to support "Community Pharmacy Clinical Clerkships" projects; March, 1992; Grant award \$6,000.
- Co-investigator, NARD Foundation grant to develop "A Practical Business Plan for Implementing Pharmacist Care in a Community Pharmacy;" June 1 to September 30, 1996; Grant award: \$10,000.
- Co-Investigator, University of North Carolina at Chapel Hill grant to develop an Internet-based curriculum for the External Doctor of Pharmacy Program, January through June, 1997; Grant award: \$97,405.
- Principal Investigator, University of North Carolina Lupton Opportunity Fund grant to support development of the "Interdisciplinary Practice Experience," January to June 1998; Grant award: \$5,496.
- Principal Investigator, Institute for the Advancement of Community Pharmacy grant to support development, implementation, and evaluation of two Community Pharmacy Residencies; July 1 2001 - June 30, 2004; Total grant award: \$114,120.

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### **COMMITTEES CHAIRED FOR DIVISION OF PHARMACY PHARMACY PRACTICE GRADUATE STUDENTS:**

Clarence B. Harrell 1971	The Stability of Frozen Sodium Ampicillin Injection in Disposable Syringes
Dennis J. Chapron 1974	Acetylation Phenotyping with Sulfamethazine
Richard L. Efird 1975	A Proposed Pharmacy Patient Profile for Use in an Ambulatory Care Setting
Judith Ann Ludy 1976	The Patient-Pharmacist Interaction in Two Ambulatory Settings: Its Relationship to Patient Satisfaction and Drug Misuse
Deborah S. Wallower 1976	The Development of a Computer-Based Unit Dose Distribution System
James T. Burke 1979	The Pharmacokinetics of Intravenous Chloramphenicol Sodium Succinate in Patients with Normal and Impaired Hepatic Function
Joseph T. Hanlon 1981	The Evaluation of the Sensitivity of Five Home Pregnancy Tests to Known Concentrations of Human Chorionic Gonadotropin
Ronald A. Lyon 1982	Comparison of the Efficacy and Side Effects of Single Doses of Three Anti-Infectives in the Treatment of Acute, Uncomplicated Urinary Tract Infections in Women
Robert T. Holt 1983	Developing an Effective Process for Establishing Affiliation Agreements between Schools of Pharmacy and Affiliated University Teaching Hospitals
Elizabeth L. Allan 1985	Improvement in the Prescribing of Cimetidine and Ranitidine for Ambulatory Patients Through Pharmacist-Conducted Concurrent Drug Utilization Review
Rita K. Proctor 1985	Development, Implementation and Evaluation of an Integrated Computerized Ambulatory Care Pharmacy Medical Record
Stephen C. Dedrick 1989	Assessment of Outpatient Pharmacy Services at Duke University Medical Center
Cynthia Bishop 1991	Initial Practice Choices and Subsequent Practice Changes of University of North Carolina at Chapel Hill 1985-90 Baccalaureate Pharmacy Graduates

### **PRESENTATIONS (Speaker, Moderator, Panelist, etc.):**

Faculty Member, The Ohio State University College of Pharmacy Extension Services Seminars on Pharmaceutical Services to Nursing Homes and Extended Care Facilities, 1967-1968.

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- Speaker, Annual Meeting of the Ohio Society of Hospital Pharmacists, April 3, 1968; Topic: "The Pharmacist's Use of the Medical Record."
- Speaker, Revco D.S., Inc., Professional Seminar, June, 1970; Topic "Drug Interactions."
- Speaker, N.C. Pharmaceutical Association - UNC School of Pharmacy Fifth Annual Seminar on the "Socio-Economic Aspects of Pharmacy Practice," February 16, 1971; Topic: "Drug Interactions and the Pharmacists."
- Workshop Coordinator, UNC School of Pharmacy's "Clinical Symposium on Drug Interactions," May 13, 16, and 19, 1971.
- Speaker, Revco D.S., Inc., Professional Seminar, June 1971; Topic: "New Drugs: 1970-71."
- Speaker, N.C. Hospital Association, N.C. Society of Hospital Pharmacists - UNC School of Pharmacy Seminar on "Modernizing Drug Usage Systems," Chapel Hill, N.C., April 5, 1972; Topic: "The Clinical Pharmacist - Who is He?"
- Speaker, American Society of Hospital Pharmacists Annual Meeting, Houston, Texas, April 25, 1972; Topic: "An Integrated Pharmacist - Physician's Associate Training Program."
- Speaker, Southeastern Society of Hospital Pharmacists Annual Meeting, Atlanta, Georgia, May 10, 1972; Topic: "Goals of a Clinical Pharmacy Program."
- Faculty, American Society of Hospital Pharmacists Institute on the General Practice of Hospital Pharmacy, Boston, Massachusetts, July 16-21, 1972.
- Speaker, Sixth Annual Carolina Hospital Pharmacy Seminar, Chapel Hill, N.C., September 16-17, 1972; Topic: "Drug Therapy of Common Upper Respiratory Infections."
- Speaker, Joint Meeting of the Ohio and Kentucky Societies of Hospital Pharmacists, Cincinnati, Ohio, October 13-14, 1972; Topic: "Toward Understanding the Role of New Health Care Workers."
- Speaker, UNC School of Pharmacy Seminar on "The Role of Community and Hospital Pharmacy Practice in the School of Pharmacy Curriculum," Chapel Hill, N.C., January 31, 1973; Topic: "The Increasing Role of Pharmacy Practice in the Curriculum."
- Speaker, Southeastern Society of Hospital Pharmacists Annual meeting, Miami Beach, Florida, May 3, 1973; Topic: "Pharmacist's Role in Cardiopulmonary Resuscitation."
- Participant in the invitational National Workshop on Professional Education in High Blood Pressure (sponsored by the Task Force on Professional Education of the National High Blood Pressure Education Program), Warrenton, Virginia, May 14-15, 1973.
- Panelist, General Seminar of the American Association of Colleges of Pharmacy, Athens, Georgia, July 12, 1973; Topic: "Faculty as a Resource for Clinical Pharmacy Instruction," (Pharmacology Discussion Group).
- Speaker, "Pharmacy Seminar on Selected Subjects," Wilmington, N.C. (October 3, 1973) and Rocky Mount, N.C. (October 31, 1973); Topic: "Upper Respiratory Infections."
- Speaker, "Pharmacy Seminar on Assessing Quality of Drug Usage Systems in Health Care Facilities," Charlotte, N.C. (October 16-17, 1973), Chapel Hill, N.C. (November 6-7, 1973), Wilson, N.C. (November 13-14, 1973), and Greensboro, N.C. (April 16-17, 1974); Topic: "Health Care Committees: How to Make Them Work."
- Faculty, Baxter-Travenol Laboratory's Seminars [I.V. Admixture-I.V. Therapy Seminar (for Nurses) and Intravenous Admixture Seminar (for Pharmacists)] four to six times per year held in selected cities throughout the United States; 1973 to 1981.

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Speaker, American Society of Hospital Pharmacists Eighth Annual Midyear Clinical Meeting, New Orleans, Louisiana, December 13, 1973; Topic: "Potential for Drug Misutilization by the clinical Pharmacist."

Moderator, Clinical Case Reviews - Drug Spotlight Program American Society of Hospital Pharmacists Eighth Annual Midyear Clinical Meeting, New Orleans, Louisiana, December 12, 1973.

Speaker, N.C.Ph.A. - UNC School of Pharmacy Eighth Annual Seminar on Socio-Economic Aspects of Pharmacy Practice, Chapel Hill, N.C., February 20, 1974; Topic: "The Role of the Preceptor in Pharmaceutical Education."

Faculty Member, American Society of Hospital Pharmacist Institute on the General Practice of Hospital Pharmacy; Orlando, Florida (March 24-29, 1974).

Speaker, N.C. Tripartite Committee 1974 Regional Preceptor - Extern/Intern Meetings, held in seven cities in North Carolina throughout the summer of 1974; Topic: "Changes in the School of Pharmacy Curriculum Pertaining to Practical Experience Training."

Faculty Participant, Continuing Education Program for Family Nurse Practitioner Preceptorship, School of Nursing, UNC-Chapel Hill; September 20, 1974, Topic: "Drug Therapy of Upper Respiratory Tract Infections"; December 5, 1974, Topic: "Antacid Therapy and Antimicrobial Therapy."

Speaker, UNC-Chapel Hill School of Dentistry's Seminar on "Oral Medicine for the Dental Auxiliary," February 1, 1975; Topic: "Drugs and Your Patient."

Workshop Leader, UNC-Chapel Hill School of Pharmacy N.C.Ph.A. and A.Ph.A. Workshop on "The Pharmacist's Role in Patient Care in the Long Term Care Facility," Chapel Hill, N.C.; March 26, 1975.

Faculty Participant, Continuing Education Program for Family Nurse Practitioner Preceptorship, School of Nursing, UNC-Chapel Hill, April 11, 1975; Topic: "Drug Therapy of Upper Respiratory Tract Infections."

Speaker, UNC-Chapel Hill School of Pharmacy "Pharmacy Seminar on Selected Subjects," Greenville, N.C., June 4, 1975; Topic: "Drug Therapy of Common Bacterial and Fungal Infections of the Skin."

Speaker, Alamance County Pharmaceutical Society, Burlington, N.C., June 25, 1975; Topic: "Drugs in the Geriatric Patient."

Workshop Leader, "Problem Solving: Pharmaceutical Services in a Large Institution - A Case Study," Florida Society of Hospital Pharmacists Meeting, Tampa, Florida, October 23, 1975.

Faculty Participant, Geriatric Nurse Practitioner Program, School of Nursing, UNC-Chapel Hill, February 4, 1976; Topic: "Drugs in the Geriatric Patient."

Faculty Participant, Continuing Education Program for Family Nurse Practitioner Preceptorship, School of Nursing, UNC-Chapel Hill, February 19, 1976; Topic: "Antibiotics."

Faculty Participant, Family Nurse Practitioner Continuing Education Program, Wake Health Services, Raleigh, N.C., March 5, 1976; Topic: "Drugs in the Geriatric Patient."

Speaker, UNC-Chapel Hill School of Dentistry Seminar on "Oral Medicine for the Dental Auxiliary," March 6, 1976; Topic: "Drugs and Your Patient."

Speaker, UNC-Chapel Hill School of Pharmacy Continuing Education Programs in various cities of North Carolina (Greensboro, March 16, 1976; Asheville, May 27, 1976; Cullowhee, May 28, 1979); Topic: "Drugs in the Geriatric Patient."

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Speaker, (with John Noble, M.D.), Department of Medicine Grand Rounds, Charlotte Memorial Hospital, Charlotte, N.C., August 17, 1976; Topic: "The Problem of Compliance to Medication Regimens."

Speaker, Kentucky Society of Hospital Pharmacists Annual Seminar, Carter Caves, Ky., September 18, 1976; Topic: "Ambulatory patient Care Pharmacy Services."

Speaker, UNC-Chapel Hill School of Pharmacy "Pharmacy Seminar on Selected Subjects," Williamston, N.C., October 27, 1976 and Winston-Salem, N.C., November 2, 1976; Topic: "Bacterial and Fungal Infections of the Skin."

Speaker, UNC-Chapel Hill School of Pharmacy "Pharmacy Seminar on Selected Subjects," Goldsboro, N.C., April 19, 1977; Topic: "Patient Education and Compliance."

Speaker, American Society of Hospital Pharmacists Special Interest Group on Ambulatory Care Pharmacy Practice Program, New York, N.Y., May 17, 1977; Topic: "Practice Protocol Case Study: Immunization and Allergy Desensitization."

Speaker, N.C. Society of Hospital Pharmacists - UNC-Chapel Hill Annual Hospital/Clinical Pharmacy Seminar, Research Triangle Park, September 25, 1977; Topic: "Ambulatory Care Pharmacy Practice."

Speaker, Eastern N.C. Society of Optometry Meeting, Raleigh, N.C., September 28, 1977; Topic: "Optometry and Pharmacy - How They Can Work Together to Better Serve Their Patients."

Guest Interviewee, "At Home with Peggy Mann" television program, WTVD, Durham, N.C., October 27, 1977; Topic: "Treatment of Coughs and Colds."

Panelist, Curbside Consultation Session, American Society of Hospital Pharmacists Affiliated State Chapter Officers Conference, Atlanta, Georgia, December 4, 1977; Topic: "Chapter Management."

Speaker, Area L AHEC Pharmacy Seminar, Wilson, N.C., March 29, 1978; Topic: "Medication Profiles - The Reasons Why."

Speaker, UNC-Chapel Hill School of Pharmacy, "Seminar on Selected Subjects," Goldsboro, N.C., April 18, 1978; Topic: "Drug Therapy of Common Bacterial and Fungal Infections of the Skin."

Speaker and Workshop Leader, American Society of Hospital Pharmacist Institute on Ambulatory Pharmacy Services, Memphis, Tennessee, June 11-14, 1978; Topics: "Developing the Elements of Quality Ambulatory Pharmacy Services" and workshop on "Patient Counseling and Education (Developing, Utilizing and Evaluating Good Patient Education Materials)."

Speaker, Charlotte AHEC Pharmacy Seminar on "Over-the-Counter medications," Charlotte, N.C., January 25, 1979; Topic: "Cough and Cold OTC Drugs."

Speaker, Greensboro AHEC Seminar for Pharmacists, Greensboro, N.C., March 1, 1979; Topic: "Upper Respiratory Infections."

Poster Presentation at the annual meeting of the American Society of Hospital Pharmacists, Anaheim, CA, April 24, 1979:

- Co-author with Jannet M. Carmichael, Sandra H. Hak, and Susan M. Edgman; Topic: "The Development of an Emergency Room Package for a Community Health Center."

Seminar Coordinator and Co-Instructor (with Dr. Raymond Jang) of one session of the UNC-Chapel Hill School of Pharmacy Seminar on "Drug Therapy of Ambulatory Patient Problems," Chapel Hill, N.C., May 8, 1979; Topic: "Communication Skills: Interviewing and Patient Counseling."

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Poster Presentation at the annual meeting of the American Association of Colleges of Pharmacy, Denver, CO, July 9, 1979:

- Co-author with Raymond Jang; Topic: "Developing the Pharmacist's Helping Skills."

Speaker, Wake County Pharmaceutical Association monthly meeting, Raleigh, N.C., September 13, 1979; Topic: "Proposals for Pharmacist Prescribing in North Carolina."

Speaker, UNC-Chapel Hill School of Pharmacy Seminar on "Drug Therapy of Ambulatory Patient Problems (II),": Chapel Hill, N.C., October 30, 1979; Topic: "Drug Therapy for Nausea and Vomiting."

Co-Instructor (with Dr. Raymond Jang), Area L AHEC Workshop for Pharmacists, Tarboro, N.C., November 14, 1979; Topic: "A Pharmacist's Credibility Workshop (Communications with Patients)."

"Curbside Consultant" at the American Society of Hospital Pharmacist Midyear Clinical Meeting, Las Vegas, NV, December 4, 1979; Topic: "Patient Counseling."

Poster Presentations at the American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, NV, December 2-6, 1979:

- Co-Author with Patsy S. Huff and Sandra H. Hak; Topic: "Immunizations for International Travel: A Pharmacy Service in Ambulatory Care."
- Co-Author with Sandra H. Hak and Patsy S. Huff; Topic: "New Format for Written Medication Information for Patients."
- Co-Author with Jannet M. Carmichael; Topic: "Use of a Patient Medication Profile as the Legal Prescription Document in an Ambulatory Care Clinic."
- Co-Author with Joni I. Berry, Charles C. Pulliam and Fred M. Eckel; Topic: "Evaluation of Pharmaceutical Services in Hospice Organizations."

Workshop Leader, North Carolina Society of Hospital Pharmacists, "1980 Planning Workshop," Boone, N.C., February 8, 1980.

Co-Instructor (with Dr. William R. Marshall), Greensboro AHEC Workshop for Pharmacists and Nurses, Greensboro, N.C., March 19, 1980; Topic: "Patient Communication and Motivation."

Speaker, UNC-Chapel Hill School of Pharmacy Seminar on "Drug Therapy of Ambulatory Patient Problems (III)," Chapel Hill, N.C., May 27, 1980; Topic: "Drug Therapy of Seizure Disorders."

Speaker, Ohio Society of Hospital Pharmacists Annual Meeting, Mohican State Park, Perrysville, Ohio, June 14, 1980; Topic: "Ambulatory Pharmacy Services: Unique Professional Services in a Rural Setting."

Speaker, South Carolina Pharmaceutical Association Annual Meeting, Kiawah Island, S.C., June 16, 1980; Topic: "Overview of Clinical Pharmacy Services in Ambulatory Care Settings."

Poster Presentation at the Annual Meeting of the American Associates of Colleges of Pharmacy, Boston, MA, July 23, 1980:

- Co-author with Celeste M. Lindley, Sandra H. Hak and Patsy S. Huff; Topic: "Ambulatory Care Pharmacy Practice-A Professional Elective."

Poster Presentations at the American Society of Hospital Pharmacists Midyear Clinical Meeting, San Francisco, CA, December 7-11, 1980:

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- Co-Author with Susan R. Higgins, Betty H. Dennis, Suzanne Blaug, and James R. Dingfelder; Topic: "Sensitivity, Specificity and Ease of Use of Five OTC Pregnancy Tests."
- Co-Author with Celeste M. Lindley, Steve N. Almond, Helen Deere-Powell, Sandra H. Hak, and Patsy S. Huff; Topic: "Drug Use Review of Nonsteroidal Anti-Inflammatory Agents."
- Co-Author with Steve N. Almond and Patsy S. Huff; Topic: "A Pharmacist-managed Allergy Desensitization Program."

"Curbside Consult" at the American Society of Hospital Pharmacists Midyear Clinical Meeting, San Francisco, CA, December 11, 1980; Topic: "Ambulatory Pharmacy Services."

Poster Presentation at the American Society of Hospital Pharmacists Midyear Clinical Meeting, New Orleans, LA, December 6-10, 1981:

- Co-Author with Celeste Lindley, Helen Deere-Powell and Steven Kotter; Topic: "Drug Utilization Review of Potassium Supplementation during Diuretic Therapy."

Workshop Leader (with L. Peter Bast), Annual Convention of the American Pharmaceutical Association, Las Vegas, NV, April 25-29, 1982; workshop co-sponsored by APhA and Roche laboratories and conducted six times; Topic: "Patient Education in Action."

Speaker (with Joseph T. Hanlon), UNC-Chapel Hill School of Pharmacy Seminar on "Pharmaceutical Care for the Female Patient," Chapel Hill, N.C., May 11, 1982; Topic: "Fertility Drugs and Pregnancy Testing."

Speaker (with Fred M. Eckel) at the 42nd Congress of the International Pharmaceutical Federation, Hospital Pharmacists' Section, Copenhagen, Denmark, September 10, 1982; Topic: "The Future of Hospital Pharmacy in the United States in Light of Developments in Primary Health Care."

Workshop leader, Northwest AHEC, Boone, N.C., October 20, 1982 and Winston-Salem, N.C., October 21, 1982; Topic: "Patient Education in Action."

Workshop Co-Leader (with Bruce R. Canaday), Student A.Ph.A. Region III Midyear Meeting, Chapel Hill, N.C., November 6, 1982; Topic: "Patient Education in Action."

Speaker, Triad Nurses Association, Seminar on "Drugs Used by the Walking Public," Greensboro, N.C., January 11, 1983; Topic: "Coughs, Colds and Acute Viral Illness."

Workshop Co-Leader (with Bruce R. Canaday), N.C.Ph.A.-University of North Carolina at Chapel Hill - School of Pharmacy Seminar on the Socio-Economic Aspects of Pharmacy Practice, Chapel Hill, N.C., February 16, 1983; Topic: "Patient Education in Action."

Speaker, Charlotte AHEC, Charlotte, N.C., February 6, 1983 and Concord, N.C., March 8, 1983; Topic: "OTC Cough and Cold Medications."

Guest Interviewee, "Health Chats" television program, Village Cable Channel 14, Chapel Hill, N.C., May 19, 1983; Topic: "Management of Allergy."

Speaker, University of North Carolina at Chapel Hill - School of Pharmacy Practitioner-Instructor Seminars, Kinston, N.C., May 12, 1983, Research Triangle Park, N.C., May 26, 1983 and Hickory, N.C., June 2, 1983; Topic: "Role of the Pharmacy Practitioner in Patient Counseling."

Speaker, University of North Carolina at Chapel Hill, School of Pharmacy Seminar on "Nonprescription Drugs: The ABC's of OTC's," Chapel Hill, N.C., September 13, 1983; Topic: "Treating Your Cold Wisely."

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Speaker, Area L AHEC, Rocky Mount, N.C., October 5, 1983; Topic: "Product Selection and Interpretation of Bioavailability Data."

Speaker, Eastern AHEC, Pharmacy Fall Seminar on Selected Topics, Elizabeth City, N.C., October 24, 1983; Topic: "Patient Counseling."

Speaker, Wilmington AHEC and University of North Carolina at Chapel Hill School of Pharmacy Seminar on "Selected Subjects in Pharmacy Practice," Wilmington, N.C., March 20, 1984; Topic: "Drug Therapy of Allergy and Upper Respiratory Infections."

Speaker, Eastern AHEC and University of North Carolina at Chapel Hill School of Pharmacy "Spring Seminar on Selected Topics,": Goldsboro, N.C., April 3, 1984 and Williamston, N.C., April 25, 1984; Topic: "Patient Counseling."

Poster Presentation at the American Pharmaceutical Association Annual meeting, Montreal, Quebec (Canada), May 5-10, 1984.

- Co-author with Timothy J. Ives and Michael F. Fleming; Topic: "A Computerized Duplicate Prescription Monitoring Program: An Educational Strategy in a Family Medicine Residency Program."

Speaker (with Bruce R. Canaday), Piedmont Pharmaceutical Society Meeting, Concord, N.C., May 9, 1984; Topic: "Patient Education and Counseling."

Guest Interviewee, Joe Graedon Show, WUNC Radio, Chapel Hill, N.C., October 13, 1984; Topic: "N.C. Pharmacy Week."

Speaker (with Bruce R. Canaday), Mecklenberg Pharmaceutical society Meeting, Charlotte, N.C., November 15, 1984; Topic: "Nonprescription Drug Services."

Speaker, "Pharmacy Update '84," Mountain AHEC Pharmacy Seminar, Asheville, N.C., November 15, 1984; Topic: "Nonprescription drug Services."

Poster Presentation at the American Society of Hospital Pharmacists Midyear Clinical Meeting, Dallas, Texas, December 2-6, 1984.

- Co-author with Allison L. Moore, Allen Rosman, Frances Gualtieri and Marion Danis; Topic: "Study on the Information and Practice Gap Between Inpatient and Outpatient Hospital Pharmacy Services."

Speaker, South Carolina Pharmacy AHEC Council, Beaufort, S.C., April 18, 1985; Topic: "The N.C. AHEC System and the Pharmacy AHEC Program."

Speaker (with Fred. M. Eckel), Low Country Pharmacy AHEC Program, Beaufort, S.C.,; April 18, 1985; Topic: "Pharmacist's Prescribing."

Speaker, Northwest AHEC and Catawba County Pharmaceutical Society Program, Hickory, N.C., April 21, 1985; Topic: "Cough and Cold Drug Products."

Workshop Leader, National AHEC Conference, Columbus, Ohio, May 30 - June 2, 1985; Topic: "Pharmacists' Roles in health Promotion and Disease Prevention."

Speaker, North Carolina Health Promotion Wellness Institute, Raleigh N.C., June 25, 1985; Topic: "Selection and Use of Over-the Counter Drugs."

Speaker, IBM - Wake Medical Center "Self and Family Care" class, Raleigh N.C., November 13, 1985; Topic: "Selection of Cough and Cold Practice."

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Poster Presentations at the American Society of Hospital Pharmacists Midyear Clinical Meeting, New Orleans, Louisiana, December 8-12, 1986.

- Co-author with Celeste M. Lindley, Dennis M. Williams, Debra G. Aycock, Lydia M. Daugherty and W. Steven Godfrey; Topic: "The Effect of Increased Accessibility to Patient-Specific Information on Pharmacists' Interventions."
- Co-author with Kathleen D'Achilli, John Mackowiak and Betty Dennis; Topic: "An Assessment of the Continuing Education Needs of Hospital Pharmacists: A Descriptive Report."

Workshop Leader, Wake AHEC, University of North Carolina at Chapel Hill School of Pharmacy and Wake County Pharmaceutical Association Pharmacy Series Seminar, Raleigh, N.C., February 20, 1986; Topic: "Patient Education in Action."

Speaker, Piedmont Pharmaceutical Society and Charlotte AHEC Seminar, Concord, N.C. March 12, 1986; Topic: "Over-the-Counter Cough, Cold and Allergy Drug Products."

Speaker, Charlotte-Mecklenberg County Pharmaceutical Association and Charlotte AHEC Seminar, Charlotte, N.C., March 13, 1986; Topic: "Over-the-Counter Cough, Cold and Allergy Drug Products."

Poster Presentation at the American Pharmaceutical Association Annual Meeting, San Francisco, CA, March 19, 1986.

- Co-author with John Mackowiak, Kathleen D'Achille and Betty Dennis; Topic: "Administrative Science Continuing Education Needs of Pharmacists."

Speaker, Lincoln County Pharmaceutical Association monthly C.E. meeting, Lincolnton, N.C., April 27, 1986; Topic: "Drug Therapy of Peptic Ulcer Disease."

Speaker, Greensboro AHEC seminar series in Burlington, N.C., November 12, 1986; Topic: "Patient Counseling."

Speaker, Charlotte AHEC seminar series in Rutherfordton, N.C., March 8, 1987; Topic: "Patient Counseling and Compliance."

Speaker, AHEC National Workshop in Tucson, Arizona, June 8, 1987; Topic: "Process Evaluation in Student Experiential Education."

Poster Presentations at the American Association of Colleges of Pharmacy Annual Meeting, Charleston, SC, July 12-15, 1987.

- Co-author with Michael Thorn and Robert L. Smith; Topic: "A Computerized, Experiential Site Selection Program: Administrative Uses."
- Co-author with Kathleen D'Achille, Betty Dennis and Fred Eckel; Topic: "Pharmacist Impairment: Risks, Management and Prevention."
- Co-author with Michael Thorn, Robert Smith and William Sawyer; Topic: "Student Use of a Computerized, Experiential Site Selection Program."

Speaker, Continuing Education Seminar, Lumberton, N.C. December 2, 1987; Topic: "Patient Counseling and Compliance."

Speaker, Continuing Education Seminar, Mountain AHEC, Asheville, N.C., March 10, 1988; Topic: "Over The Counter Drugs."

Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, Chicago, IL, August 2, 1988.

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- Co-author with Jacqueline Beza, Frank Stritter, Michael Thorn, Robert Smith, June McDermott, and Robert Schollard; Topic: "Training Pharmacy Preceptors: A Master-Teacher Development Program."

Speaker, Northwest AHEC Continuing Education Programs in Hickory, N.C., October 11, 1988, and in North Wilkesboro, N.C., October 20, 1988; Topic: "OTC Review: Drug Product Selection."

Speaker, Eastern AHEC First Annual Beach Seminar, Kill Devil Hills, N.C., October 16, 1988; Topic: "Cough and Cold Products."

Poster Presentations at the Annual Meeting of the American Pharmaceutical Association, Anaheim, CA, April 9, 1989.

- Co-author with Jacqueline Beza, Frank Stritter, Michael Thorn, Robert Smith, June McDermott, and Robert Schollard; Topic: "A Study of Preceptor Teaching in the Internship Setting."
- Co-author with Jacqueline Beza, Frank Stritter, Michael Thorn, Robert Smith, June McDermott, and Robert Schollard; Topic: "Differences in Preceptor-Intern Assessment of Internship Instruction."

Poster Presentation at the Annual Meeting of the American Association of Colleges of Pharmacy Annual Meeting, Portland, OR, July 9-12, 1989.

- Co-author with Jacqueline Beza, Frank Stritter, Michael Thorn, Robert Smith, June McDermott, and Robert Schollard; Topic: "Training Pharmacy Preceptors: A Master-Teacher Development Program."

Speaker, Fayetteville AHEC Continuing Education Seminar, Fayetteville, NC, November 29, 1989; Topic: "Treatment of Coughs, Colds, and Upper Respiratory Tract Allergy Symptoms."

Speaker, Person County Pharmaceutical Society, Roxboro, NC, January 7, 1990; Topic: "Treatment of Coughs, Colds, and Upper Respiratory Tract Allergy Symptoms."

Workshop Leader with June McDermott, Ferris State University, University of Michigan, and Wayne State University Colleges/Schools of Pharmacy Preceptor Training Workshop (for selected faculty and preceptors), Detroit, MI, February ??, 1990; Topic: "Training Pharmacy Preceptors."

Speaker, with Jacqueline Beza, American Pharmaceutical Association Annual Meeting, Washington, DC, March 10, 1990; Topic: "The Impact of a Faculty Development Program on Preceptor Teaching."

Workshop Presentation with Frank Stritter, American Pharmaceutical Association Annual Meeting, Washington, DC, March 12, 1990; Topic: "Training Pharmacy Preceptors."

Poster Presentation with Jacqueline Beza and Frank Stritter, Meeting of the Southern Group Educational Affairs, Chapel Hill, NC, March 30, 1990; Topic: "A Faculty Development Program for Preceptor Teaching."

Workshop Leader with Barbara Rudnicki, University of Toledo College of Pharmacy Preceptor's Conference, Toledo, OH, May 30-31, 1990; Topic: "Training Pharmacy Preceptors."

Speaker, Professional Experience Programs Special Interest Group, American Association of Colleges of Pharmacy Annual Meeting, Salt Lake City, UT, July 9, 1990; Topic: "The 'Training Pharmacy Preceptors' Educational Program."

Speaker, Section of Teacher's of Pharmacy Practice, American Association of Colleges of Pharmacy Annual Meeting, Salt Lake City, UT, July 11, 1990; Topic: "Development of Adjunct Faculty."

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Workshop Leader, University of Wisconsin School of Pharmacy Preceptor Workshop, Madison, WI, August 29, 1990; Topic: "Training Pharmacy Preceptors."

Speaker, Kerr Drug Stores Pharmacists Seminar, Raleigh, NC, September 11-12, 1990; Topic: "OTC Drugs Used to Treat Coughs, Colds, and Upper Respiratory Tract Allergy Symptoms."

Speaker and Workshop Leader, NC Pharmaceutical Association Seminar, "Topics in Community Pharmacy Practice," Wilmington, NC, September 16, 1990; Topic: "Pregnancy Tests and Ovulation Prediction Kits."

Workshop Leader with June McDermott, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Greensboro, NC, September 25, 1990; Topic: "Training Pharmacy Preceptors."

Workshop Leader with June McDermott, Medical College of Virginia School of Pharmacy Preceptor Training Workshop (for selected faculty and preceptors), Richmond, VA, October 12, 1990; Topic: "Training Pharmacy Preceptors."

Speaker, Greensboro Area Health Education Center Pharmacy Continuing Education Series; Greensboro, NC, October 14, 1990; Burlington, NC, October 24, 1990; Eden, NC, November 18, 1990; Topic: "OTCs Used to Treat Coughs, Colds, and Upper Respiratory Tract Allergy Symptoms."

Speaker, Charlotte Area Health Education Center Seminar for the Piedmont Pharmaceutical Society, Concord, NC, January 9, 1991; Topic: "OTCs Used to Treat Coughs, Colds, and Upper Respiratory Tract Allergy Symptoms."

Speaker, Fayetteville Area Health Education Center Seminar, Rockingham, NC, January 16, 1991; Topic: "Patient Education and Compliance."

Workshop Leader with Gerald Cable, Ohio State University College of Pharmacy Preceptor Training Workshop, Columbus, OH, January 19, 1991; Topic: "Training Pharmacy Preceptors."

Speaker, Eastern Area Health Education Center Seminar for the Crystal Coast Pharmaceutical Society, Moorehead City, NC, February 17, 1991; Topic: "OTCs Used to Treat Coughs, Colds, and Upper Respiratory Tract Symptoms."

Speaker, Alabama Society of Hospital Pharmacists Preceptor's Conference, Birmingham, AL, March 1, 1991; Topic: "Effective Experiential Education."

Speaker, Non-Affiliated AHEC Seminar Series for the Person County Pharmaceutical Association, Roxboro, NC, May 19, 1991; Topic: "Patient Education and Compliance."

Workshop Leader with June McDermott, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Winston-Salem, NC, May 22, 1991; Topic: "Training Pharmacy Preceptors."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Winston-Salem, NC, May 23, 1991; Topic: "Review of Over-the-Counter Products."

Speaker, Kaiser Permanente Pharmacy Seminar, Research Triangle Park, NC, January 13, 1992; Topic: "Patient Counseling and Compliance."

Poster Presentation at the American Pharmaceutical Association Annual Meeting, San Diego, CA, March 14-18, 1992:

- Co-author with June McDermott, Frank Stritter, and Kathryn Kuhn; Topic: "Using the Delphi Technique to Determine Guidelines for Developing a Community Pharmacy Clinical Clerkship Model."

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Workshop Presentation with Diane Beck, Nancy Kawahara, and Paul Jungnickel at the American Pharmaceutical Association Annual Meeting, San Diego, CA, March 15, 1992; Topic: "Becoming a Better Preceptor: Setting Expectations."

Workshop Presentation with Stephan Foster, Linda Nelson, and Keith Campbell at the American Pharmaceutical Association Annual Meeting, San Diego, CA, March 16 & 17, 1992; Topic: "Value Added Services: Developing Your Patient Assessment Skills - Home Diagnostic Tests to Monitor Drug Therapy."

Workshop Leader with Roy Pleasants, Non-Affiliated AHEC Region Practitioner-Instructors, Chapel Hill, NC, March 24 & 26, 1992; Topic: "Training Pharmacy Preceptors."

Workshop Leader with Thomas Thutt, Medical University of South Carolina and University of South Carolina Colleges of Pharmacy Preceptor Workshop, Charleston, SC, March 28, 1992; Topic: "Training Pharmacy Preceptors."

Speaker, Mountain Area Health Education Center Department of Pharmacy Spring Seminar Series, Asheville, NC, April 9, 1992; Topic: "Home Diagnostic Tests."

Speaker, University of Florida College of Pharmacy Tampa Area Clerkship Faculty Retreat, Tampa, FL, April 24, 1992; Topic: "Preceptor Development and Basic Elements of Good Preceptorship."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Pinehurst, NC, May 23, 1992; Topic: "Review of Over-the-Counter Products."

Workshop Leader with June McDermott, University of Georgia School of Pharmacy Preceptor Training Workshop (for selected faculty and preceptors), Athens, GA, July 18, 1992; Topic: "Training Pharmacy Preceptors."

Panelist, American Association of Colleges of Pharmacy Annual Meeting, Washington, DC, July 14, 1992; Topic: "Improving Your GAPS Success."

Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Washington, DC, July 14, 1992.

- Co-authored with June McDermott and Kathryn Kuhn; Topic: "A Community Pharmacy Clinical Clerkship Model."

Workshop Presentation with Wayne Pittman, Rinaldo Brusadin, and William Felkey; Syracuse, NY, February 24, 1993; Topic: "Developing Your Patient Assessment Skills - Home Diagnostic Tests to Monitor Drug Therapy."

Speaker, Alabama Society of Hospital Pharmacists Preceptor's Conference Program, February 26, 1993, Birmingham, AL; Topic: "Being a Better Preceptor."

Poster presentation at the American Pharmaceutical Association Annual Meeting, Dallas, TX, March 21, 1993.

- Co-authored with June McDermott, and Kathryn Kuhn; Topic: "A Community Pharmacy Clinical Clerkship Model."

Panelist, American Pharmaceutical Association Annual Meeting, Dallas, TX, March 22, 1993; Topic: "Becoming a Better Preceptor."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Atlantic Beach, NC, May 24, 1993; Topic: "Review of Over-the-Counter Products."

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Panelist, American Council on Pharmaceutical Education Accreditation Forum, San Diego, CA, July 10, 1993; Topic: "Self-Study Organization and Initial Arrangements for the On-Site Evaluation."

Poster presentations at the American Association of Colleges of Pharmacy Annual Meeting, San Diego, CA, July 13, 1993.

- Co-authored with June McDermott, Frank Stritter, and Kathryn Kuhn; Topic: "Developing a Community Pharmacy Clinical Clerkship."
- Co-authored with Robert Schollard, Bruce Canaday, Thomas Hughes, David Bailey, and Dai John; Topic: "Evaluation of an International Pharmacy Student Exchange Program."

Speaker, Eastern Area Health Education Center Regional CE Program, Ahoskie, NC, September 28, 1993; Topic: "Review of OTC Medications for Cough, Cold & Allergy Symptoms."

Speaker, North Carolina Area Health Education Center Statewide Conference, Black Mountain, NC, October 7, 1993; Topic: "Preceptorship Models: Preparing to Precept."

Speaker, Area L Area Health Education Center Fall Seminar Series for Pharmacists, Rocky Mount, NC, October 13, 1993; Topic: "Home Diagnostic Testing Products."

Speaker, Eastern Area Health Education Center Seminar Series for the Crystal Coast Pharmaceutical Society, Morehead City, NC, February 20, 1994; Topic: "Home Diagnostic Testing Products."

Speaker, University of Illinois at Chicago College of Pharmacy Preceptor Conference, Oak Brook, IL, March 16, 1994; Topic: "First Rule of Good Precepting: Setting Expectations for and with Your Student."

Speaker, Eastern Area Health Education Center Seminar for the Wayne County Pharmaceutical Society, Goldsboro, NC, April 10, 1994; Topic: "Home Diagnostic Testing Products."

Speaker, Preceptor Training Workshop, College of Pharmacy, Medical University of South Carolina, Charleston, SC, May 11, 1994; Topics: "Motivation" and "Precepting Practice."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Atlantic Beach, NC, May 22, 1994; Topic: "Review of Over-the-Counter Products."

Poster presentation at the International Pharmaceutical Federation Annual Meeting, Lisbon, Portugal; September 8, 1994.

- Co-authored with Robert Schollard, Dai John, Bruce Canaday, Thomas Hughes and David Bailey; Topic: "Follow-up Evaluation of an International Pharmacy Student Exchange."

Speaker, University of North Carolina School of Medicine Program on Aging's seminar, "Challenges in Geriatric Practice," Chapel Hill, NC, January 19, 1995; Topic: "Building Effective Interdisciplinary Teams."

Facilitator/Discussion Leader, American Pharmaceutical Association Annual Meeting session on "Pharmacy Education and Associations: Partners for Success in Pharmaceutical Care," Orlando, FL, March 21, 1995; Topic: "Non-Traditional Pharm.D. Programs."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Asheville, NC, May 20, 1995; Topic: "Review of Over-the-Counter Products."

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Speaker, American Society of Health-System Pharmacists Annual Meeting session on "Assuring Continuity of Pharmaceutical Care," Philadelphia, PA, June 5, 1995; Topic: "Legal and Ethical Issues in Providing Pharmaceutical Care."

Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Philadelphia, PA July 8-12, 1995.

- Co-authored with Robert Schollard, Christy Whitley, and Doyle Cummings; Topic: "Development of pharmacy student clinical clerkships in underserved rural areas of North Carolina."

Speaker, Greensboro Area Health Education Center Seminar Series, Burlington, NC, August 23, 1995; Topic: "Review of OTC Drugs Used to Treat Upper Respiratory Track Infections."

Speaker at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," Nashville, TN, March 9, 1996; Topic: "Over-the-Counter Products."

Speaker, Campbell University School of Pharmacy/North Carolina Pharmaceutical Association Board of Pharmacy Exam Review, Asheville, NC, May 25, 1996; Topic: "Review of Over-the-Counter Products."

Speaker, Mountain AHEC "Respiratory Disorders" seminar, Asheville, NC, October 13, 1996; Topic: "OTC Cough, Cold, and Allergy Products."

Speaker at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," Los Angeles, CA, March 7, 1997; Topic: "Over-the-Counter Products."

Panel discussion member, North Carolina Pharmaceutical Association/UNC-CH School of Pharmacy co-sponsored "Socioeconomic Aspects of Pharmacy Practice" seminar; Greensboro, NC, March 19, 1997; Topic: "Moving to Pharmaceutical Care: A Model Business Plan."

Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, Indianapolis, IN, July 15, 1997.

- Co-authored with Robert J. Schollard; Topic: "Implementation of an Information Management System for Experiential Education."

Curbside Consult Presentation, PEPSIG session, American Association of Colleges of Pharmacy Annual Meeting, Indianapolis, IN, July 15, 1997; Topic: "Clerkship Students as Resources (Not Liabilities)."

Panelist, UNC Health Affairs Interdisciplinary Faculty Forum, December 4, 1997, "Preceptor Development: What are we doing well and what could we do better?"

Speaker at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," Miami Beach, FL, March 20, 1998; Topic: "Over-the-Counter Products"

Speaker, UNC-CH School of Pharmacy "Training Pharmacy Preceptors" workshop to ~25 Professional Experience Program preceptors, Greensboro, NC, October 6, 1998

Speaker, NC Office of Research, Demonstrations and Rural Health workshop to farmworker helpers, Camp New Hope, NC, May 7, 1999; Topic: "Farmworker Self-Diagnosis and Treatment: How to Facilitate the Appropriate Use of Over-the-Counter Medications"

Speaker, North Carolina Association of Pharmacists Seminar on "Preparing for the Pharmacy Licensure Examination" for recent Campbell and UNC-CH pharmacy graduates, Atlantic Beach, NC, May 20, 1999; Topic: "Over-the-Counter Products"

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Speaker, at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," Washington, DC, March 10, 2000; Topic: "Over-the-Counter Products"

Speaker, at the District III meeting of the National Association of Boards of Pharmacy and the American Association of Boards of Pharmacy, Asheville, NC, August 6, 2000; Topic: "Preparing Pharmacists to Provide Care: The CPRC Experience"

Poster presentation at the American Society of Health-System Pharmacists Midyear Clinical Meeting, Las Vegas, NV, December 5, 2000.

- Co-authored with Steven Moore; Topic: "Pharmacy services for underserved populations - lessons learned."

Speaker, at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," San Francisco, CA, March 16, 2001; Topic: "Over-the-Counter Products"

Speaker, ACPE's 9<sup>th</sup> Invitational Conference on Continuing Pharmaceutical Education, *Working Together to Create the Future*, November 1-4, 2001, Phoenix, AZ; session on "Certificate Programs: Sharing of Experiences," November 3; Topic: "Certificate Programs: the North Carolina Experience."

Speaker, Mountain AHEC Fall 2001 Seminar Series, Asheville, NC, October 18, 2001; Topic: "OTC Cough, Cold and Allergy Preparations."

Speaker, Eastern AHEC Fall 2001 Seminar Series, Greenville, NC, November 17, 2001; Topic: "OTC Cough, Cold and Allergy Preparations."

Speaker, at the American Pharmaceutical Association Annual Meeting Academy of Students of Pharmacy session on "Preparing for the Pharmacist Licensure Exam," Philadelphia, PA, March 15, 2002; Topic: "Over-the-Counter Products"

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, February 20, 2004; Topic: "Training Pharmacy Preceptors."

Speaker, Update on North Carolina Pharmacy Seminar Series, Greensboro, NC, May 3, 2005; Topic: "Update on Pharmacy Education in North Carolina."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, September 17, 2004; Topic: "Training Pharmacy Preceptors."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, November 18, 2005; Topic: "Training Pharmacy Preceptors."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, September 15, 2006; Topic: "Training Pharmacy Preceptors."

Panel moderator & presenter, NC Pharmacy Leaders' Forum, Greensboro, NC, February 9, 2007; Topic: "Continuing Professional Development & Continuing Education: Update & Future Directions."

Speaker, Greensboro AHEC Preceptor Dinner, Greensboro, NC, April 19, 2007; Topic: "CPD Overview" (20-minute presentation as part of a 2-hr program on "Learning the Continuing Professional Development Portfolio Process").

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Speaker with Stephen Eckel, 37<sup>th</sup> Annual Southeastern Pharmacy Officers Conference, Durham, NC, August 11, 2007; Topic: "CPD, The North Carolina Experience"

Workshop Leader, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, September 14, 2007; Topic: "Training Pharmacy Preceptors."

Moderator, panel discussion at the North Carolina Pharmacy Leaders' Forum; Greensboro, NC; February 9, 2007; Topic: "Continuing Professional Development and Continuing Education: Update and Future Directions."

Speaker, Pharmacy Preceptor Dinner; Greensboro, NC; April 19, 2007; Topic: "CPD – An Overview."

Speaker, with Stephen Eckel, 37<sup>th</sup> Annual Southeastern Pharmacy Officers Conference; Durham, NC; August 10, 2007; Topic: "CPD – The North Carolina Experience."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, September 14, 2007; Topic: "Training Pharmacy Preceptors."

Speaker, Accreditation Council on Pharmacy Education 12<sup>th</sup> Conference on Continuing Pharmacy Education, *Pharmacy CE: Exploring New Heights*; Denver, CO; October 6, 2007; Topic: "ACPE's Levels of Continuing Education: : Level 3."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, March 7, 2008; Topic: "Training Pharmacy Preceptors."

Speaker, American Pharmacists Association Annual Meeting, APhA Academy of Pharmacy Practice and Management Clinical/Pharmacotherapeutic Section Open Forum; March 16, 2008; Topic: "Strategies for Recruiting Community Pharmacy Faculty."

Speaker, North Carolina Association of Pharmacy Annual Update on Pharmacy Practice; Raleigh, NC; April 29, 2008; Williamston, NC, May 14, 2008; Topic: "Update on Pharmacy Education."

Workshop Leader with Steve Wilson, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Chapel Hill, NC, September 12, 2008; Topic: "Training Pharmacy Preceptors."

Workshop Leader with Debbie Westbrook, University of North Carolina at Chapel Hill School of Pharmacy Preceptor Workshop, Concord, NC, March 24, 2009; Topic: "Training Pharmacy Preceptors."

## **EXECUTIVE MANAGEMENT PRESENTATIONS:**

"Creating a Culture for High Performance"

- American Society of Hospital (Health-System) Pharmacists/University of North Carolina Executive Management Program (ASHP's ACCRUE Level III), Chapel Hill, NC; May 26, 1988; May 10, 1989; May 9, 1990.
- Central Region Veterans Administration Chiefs of Pharmacy Executive Management Seminar, Minneapolis, MN; March 13, 1991.

"Conflict Management"

- American Society of Hospital (Health-System) Pharmacists/University of North Carolina Executive Management Program (ASHP's ACCRUE Level III), Chapel Hill, NC; May 9, 1990.

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- Central Region Veterans Administration Chiefs of Pharmacy Executive Management Seminar, Minneapolis, MN, March 13, 1991.

### "Empowering Others"

- American Society of Hospital (Health-System) Pharmacists/University of North Carolina Executive Management Program (ASHP's ACCRUE Level III), Chapel Hill, NC; May 7, 1991, May 7, 1992, May 6, 1993; May 5, 1994; May 4, 1995; May 4, 1996; May 1, 1997.
- American Society of Health-System Pharmacists/University of North Carolina Leadership Development Institute, Chapel Hill, NC; April 30 1998.

### "Leading Others to Lead Themselves"

- Glaxo Inc./University of North Carolina Pharmacy Executive Management Series; invited presentation in various locations throughout the U.S; 1992-1996.

### "Quality Leadership for Quality Improvement"

- Glaxo Inc./University of North Carolina Pharmacy Executive Management Series; invited presentation in various locations throughout the U.S; 1992-1996.

### "Developing Effective Pharmacy Teams"

- Glaxo Inc./University of North Carolina Pharmacy Executive Management Series; invited presentation in various locations throughout the U.S; 1994-1996.

## **PUBLICATIONS:**

### **Refereed Articles**

Notari, RE and Caiola, SM: Catalysis of Streptovitacin A Dehydration: Kinetics and Mechanisms. J Pharm Sci 1969; 58:1203-1208.

Gebhardt, MC, Caiola, SM and Eckel, FM: A Hospital Pharmacy Ostomy Patient Care Program. Drug Intell & Clin Pharm 1972; 6:374-379.

Ludy, JA, Gagnon, JP and Caiola, SM: The Patient-Pharmacist Interaction in Two Ambulatory Settings--It's Relationship to Patient Satisfaction and Drug Misuse. Drug Intell & Clin Pharm 1977; 11:81-89.

Carmichael, JM, Hak, SH, Edgman, SM and Caiola, SM: Emergency Room Services for a Community Health Center. Amer J Hosp Pharm 1981; 38:79-83.

Berry, JI, Pulliam, CC, Caiola, SM and Eckel, FM: Pharmaceutical Services in Hospices. Amer J Hosp Pharm 1981; 38:1010-1014.

Huff, PS, Hak, SH and Caiola, SM: Immunizations for International Travel as a Pharmaceutical Service. Amer J Hosp Pharm 1982; 39:90-93.

Almond, SN, Caiola, SM and Huff, PS: Pharmacist-Managed Allergy Desensitization Program. Amer J Hosp Pharm 1982; 39:284-288.

Ciaccio, E, Jang, R, Caiola, SM, Pffiferling, JH and Eckel, FM: Well-Being: A North Carolina Study. Amer Pharm 1982; NS22 (May):244-246.

Hanlon, JT, Caiola, SM, Muhlbaier, LH, Dennis, BH, Edelman, DA and Dingfelder, JR: An Evaluation of the Sensitivity of Five Home Pregnancy Tests to Known Concentrations of Human Chorionic Gonadotropin. Am J Obstet Gynecol (December 1) 1982; 144:778-782.

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- Beza J, Caiola SM, McDermott JH, Stritter F, Thorn MD. The Effect of a Preceptor Development Program. Am J Pharm Ed 1992; 56:44-47.
- Gunnarsson PS, Sawyer WT, Montague D, Williams ML, Dupuis RE, Caiola SM. Appropriate Use of Heparin: Empiric vs Nomogram-Based Dosing. Arch Intern Med Mar 12, 1995; 155:526-532.
- Schollard RS, John DN, Caiola SM, Canaday BR, Bailey DH, Hughes TF. Evaluation of an international pharmacy student exchange programme. International Pharm J. 1995; 9:206-9.
- McDermott JH, Caiola SM, Kuhn KF, Stritter FT, Beza J. A delphi survey to identify the components of a community pharmacy clerkship. Am J Pharm Educ. 1995; 59:334-41.
- Holcombe BJ, Thorn DB, Strausburg KM, Ponto JA, Caiola SM, Powers T, Bertino JS, Leitinger EA, Robinson LA. Analysis of the practice of nutrition support pharmacy specialists. Pharmacotherapy. 1995; 15:806-13.
- Supernaw RB, Caiola, SM. Chair Report of theCOD/COF Joint Committee on EliminatingBarriers to Teaching Excellencej. AJPE. 1966; 60:29-31.
- Norwood GJ, Sleath BL, Caiola SM, Lien T. Costs of implementing pharmaceutical care in community pharmacies. JAPhA. 1998; 38:755-61.
- Kirk JK, Krick S, Futrell DP, Devora T, Caiola SM, Mason E, Sawyer WT, Gal P. Connecting pharmacy and literacy: the North Carolina Medication Information Literacy Project. Am J Pharm Educ. 2000; 64:277-83.
- Welch AC, Ferreri SP, Blalock SJ, Caiola SM. North Carolina family practice physicians' perceptions of pharmacists as vaccinators. JAPhA. 2005. 45:486-491.

### Other Articles

- Caiola, SM: Drug Therapy Problems. Carolina J Pharm 1969; 58:1203-1208.
- Pittman, AW and Caiola, SM: Pharmacy Classes Being Held in Many Areas of State. Script (Winter) 1975.
- Abstracts of selected pharmaceutical literature in International Pharmaceutical Abstracts and "Drug Therapy Abstracts" in Hospital Formulary Management; 1966 to 1968.
- Caiola, SM: An Integrated Pharmacist - Physician's Associate Training Program. Voices 12/60 (A cassette tape publication of the American Society of Hospital Pharmacists) 1972; 2:7.
- Caiola, SM: The Role of the Preceptor in Pharmaceutical Education. Proceedings of the Eighth Annual Seminar on Socio-Economic Aspects of Pharmacy Practice, February 20, 1974; 29-36.

### Book Reviews

- Caiola, SM: Applied Therapeutics for the Clinical Pharmacists. Amer J Hosp Pharm 1975; 32:949.
- Caiola, SM: Self Assessment of Current Knowledge in Clinical Pharmacy. 2nd Edition. Drug Intell & Clin Pharm 1979; 13:530-531.
- Caiola, SM and Smith, RL: Systematic Medication Profile Review: A Self-Study Guide for the Pharmacist. 3rd Edition. Amer J Hosp Pharm 1992; 49:1578-9.

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Co-Contributor to "Drug Evaluation Data," a regular feature of Drug Intelligence & Clinical Pharmacy; January, 1971 to February, 1972.

### Book Chapters

Eckel, FM and Caiola, SM. Managing stress for the employee. In Noel, MW and Bootman, JL (eds.), Human Resource Management in Pharmacy Practice. Aspen Systems Corporation; Rockville, MD. 1986. pp.229-49.

### Manuals

Stritter, FM, Beza, JB, McDermott, JH, Caiola, SM, Smith, RL, Schollard, RJ, and Thorn, MD. Training Pharmacy Preceptors: educational program including a teacher's manual, participant's manual, and trigger videotape vignettes. American Association of Colleges of Pharmacy; Alexandria, VA, 1990.