



# MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS

1112 Manatee Avenue West, Suite 902  
Bradenton, FL 34205  
www.mymanatee.org/advisory\_boards

Phone: (941) 745-3700  
Fax: (941) 745-3790

## APPLICATION for ADVISORY BOARD/COMMITTEE/COMMISSION

PLEASE TYPE OR PRINT IN INK

For which Advisory Board are you applying?  
A separate application is required for each advisory board.

Name of Advisory Board:  
Health Council West Central Florida

Some advisory board positions have specific requirements for applicants. For more information please click on this link to the Manatee County website at: [www.mymanatee.org/advisory\\_boards](http://www.mymanatee.org/advisory_boards).

Please specify the seat you are interested in:  
Health care consumer

Name Charles O. Ward

Home Street Address 7130 Fairway Bend Circle

Home Mailing Address

City, State, Zip Sarasota, FL 34243

Home Phone 941-360-6407

Work Phone

Cell Phone 412-915-0439

Email address wardco42@gmail.com

Occupation (if retired, please indicate) retired hospital phartmacist

Business name

Business street address

City, State, Zip

Are you registered to vote in Manatee County?  
(This is a requirement of certain boards/commissions)

Yes

No

I reside in County Commission District # 1  2  3  4  5   
(This can be found on your Voter Registration Card or click on this link to a County Commission District Map)

Do you reside in unincorporated Manatee County? Yes  No

If No, please indicate the City Sarasota

The Board of County Commissioners strives to ensure equal access for minorities and women to serve on advisory boards/committees/commissions. Providing this information will help Manatee County compile information needed to comply with the reporting requirement in Florida State Statute 760.80.

Gender Male  Female

Race

African American

Asian American

Caucasian

Hispanic American

Native American

Other

Please list any governmental Advisory Boards/Committees/Commissions on which you currently serve.

none

Please list any Manatee County Advisory Boards/Committees/Commissions on which you have previously served (include dates of your service).

none

Why do you want to serve on this Advisory Board or Committee?

Have an impact on provision of health care to geriatrics and underserved persons in Manatee County.

Describe your education and experience that will provide a benefit to this Advisory Board.

BS,MS,PhD,PharmD in pharmacy, licensed pharmacist in PA, taught at St. John's University (associate professor), University of Pittsburgh (adjunct), over 30 publications in pharmacy and health care, licensed pharmacist for 50 years

List your professional credentials, licenses or certificates that are relevant to this Advisory Board.

Licensed pharmacist PA

List organizations and positions in which you serve in local civic or community groups.

Do you or your immediate family members have or hold any employment or contractual relationship with any business entity or agency which does business with or receives funding from Manatee County Government? Yes  No  If yes, please explain.

Do you know of any other reason that would prohibit you from serving on this board that could be deemed as a conflict of interest? Yes  No  If yes, please explain.

If you are appointed, are there any days of the week or months of the year you will be unavailable to serve due to job or travel? Yes  No  If yes, please explain.

### **IMPORTANT INFORMATION**

1. For questions regarding a specific advisory board, committee, or commission, including the duties and requirements, please contact the County staff liaison listed on that board's webpage.
  2. Certain advisory boards, committees, and commissions have specific membership requirements including a valid voter registration card, financial disclosure and/or the submission of other information.
  3. Attendance is required at advisory board meetings. Three unexcused absences may be grounds for removal.
  4. Florida State Statute 119.07 designates this application as a public document to be made available for anyone requesting to view it. If you qualify for exemption from public disclosure under the terms of this statute, please explain:
- 
5. Advisory boards, committees or commissions having the authority to make factual determinations, review permit applications, issue permits, grant variances, or impose fines exercise a part of the County's sovereign powers and members are prohibited by Florida law from holding more than one such position. If you currently hold another state, municipal or county government appointment, County staff will assist in confirming your eligibility to serve on the board for which you are applying.

### **NOTICE**

**Applications must be complete and signed to be valid.** Resumes may not be substituted for the sections on the application but you may include extra pages to provide additional information. Applications will not be processed unless each section has been completed and all supplemental information sought by County staff has been provided. Applicants will not be permitted to change information on their submitted application materials once they have been received by the County.

The following advisory boards require a questionnaire that must also be completed and a current resume for the applicant to be considered for appointment. See pages 4 and 5 of this form.

**Children's Services Advisory Board – page 4  
Healthcare Advisory Board – page 5**

### **Please sign and date below**

I have reviewed the qualifications of this position and the duties of the board or commission for which I am applying and certify that I am fully able to serve. I agree to commit the necessary time to fulfill these responsibilities. I understand that I am offering my service without compensation. I agree to abide by all Manatee County Commission rules and policies either published or in effect by usage, and all regulations and laws of the State of Florida. I further hereby acknowledge that should my professional, residential or other status change subsequent to my appointment to this board or commission, I have a continuing obligation to inform the County's staff liaison of that change to the extent it may alter my eligibility to continue in service.

By typing my name and submitting this application, I confirm that the information provided in this application is true and complete, and this constitutes my signature under the Florida Electronic Signature Act.

**Electronic Signature    Type or Sign Name    Charles Ward    Date    8/23/2016**

Your application may be mailed to the address below.

Mail: Board of County Commissioners  
1112 Manatee Avenue West, Suite 902  
ATTN: Advisory Boards  
Bradenton, FL 34205

You may also fax or email your application, as follows:

Fax: 941-745-3790  
Email: Save this pdf form to your computer and then attach it to an email. Email to this address:  
advisoryboards@mymanatee.org

**The Board of County Commissioners of Manatee County, Florida does not discriminate upon the basis of any individual's disability status. This non-discrimination policy involves every aspect of the Board's functions including one's access to, participation, employment, or treatment in its programs or activities. Anyone requiring reasonable accommodation for meetings as provided for in the Americans with Disabilities Act should contact the Citizens Action Center, three days before a meeting at 742-5800; TDD ONLY 742-5802 and wait 60 seconds; or FAX 745-3790.**

# Supplemental Questions for Applicants to the Manatee County Children's Services Advisory Board

Please complete all questions with current and accurate information.

Are you affiliated with any agency that receives Children's Services dedicated millage funds from Manatee County? Affiliated means: an employee of the agency; owner of the agency; voting member on the agency's Board of Directors; contract with the agency, or indirect contract with the agency.

Yes  No

If yes, please select the agency from the list below. Check all that apply:

- |   |   |
|---|---|
| <input type="checkbox"/> Big Brothers/Big Sisters of the Sun Coast  | <input type="checkbox"/> Manatee Children's Services, Inc.          |
| <input type="checkbox"/> Boys & Girls Clubs of Manatee              | <input type="checkbox"/> Manatee Community Action Agency            |
| <input type="checkbox"/> Centerstone (formerly Manatee Glens)       | <input type="checkbox"/> Manatee County Girls Club (Just for Girls) |
| <input type="checkbox"/> Community Haven for Adults & Children      | <input type="checkbox"/> Meals on Wheels Plus of Manatee            |
| <input type="checkbox"/> D.L. Randall Foundation                    | <input type="checkbox"/> Myakka City Community Center               |
| <input type="checkbox"/> Early Learning Coalition of Manatee County | <input type="checkbox"/> Pace Center for Girls                      |
| <input type="checkbox"/> Easter Seals of SW Florida                 | <input type="checkbox"/> Palmetto Youth Center                      |
| <input type="checkbox"/> Educational Consultants Consortium         | <input type="checkbox"/> Replay Outreach                            |
| <input type="checkbox"/> Exchange Club Family Partnership Center    | <input type="checkbox"/> Sarasota Manatee Assn. for Riding Therapy  |
| <input type="checkbox"/> Family Network on Disabilities             | <input type="checkbox"/> School District of Manatee County          |
| <input type="checkbox"/> Family Resources                           | <input type="checkbox"/> Selah Freedom                              |
| <input type="checkbox"/> Foundation for Dreams                      | <input type="checkbox"/> Tallevast Community Center                 |
| <input type="checkbox"/> Hope Family Services                       | <input type="checkbox"/> The Salvation Army                         |
| <input type="checkbox"/> Insight Counseling Services                | <input type="checkbox"/> United Community Center                    |
| <input type="checkbox"/> Jewish Family & Children's Services        |   |

Please explain the affiliation you have with the above agencies:

An application to the Children's Services Advisory Board requires a current and comprehensive resume or curriculum vitae, which may be emailed along with your application to [advisoryboards@mymanatee.org](mailto:advisoryboards@mymanatee.org), or may be mailed or faxed to Manatee County at the address and fax number provided on page 3.

## Supplemental Questions for Applicants to the Manatee County Healthcare Advisory Board.

Please complete all questions with current and accurate information.

What is your field of expertise? (Please indicate all that apply)

- Healthcare
- Behavioral/Mental Healthcare
- Substance Abuse Care
- Social Services
- Higher Education
- Medically Needy Consumer of Healthcare
- Representative of the business community not listed above (please explain below)

Are you an employee, contractor for, owner or voting member on the Board of Directors of any agency that receives funding from Manatee County directly or indirectly? Yes  No   
If Yes, please explain:

Do you currently, or have you in the past 5 years, participated in any community health care initiatives or committees (e.g.: Health Care Alliance, Chamber Health Care Committee, Acute Care Committee, etc.)?

Yes  No

If yes, which ones? (include dates of service)

An application to the Healthcare Advisory Board requires a **current and comprehensive** resume or curriculum vitae, which may be emailed along with your application to [advisoryboards@mymanatee.org](mailto:advisoryboards@mymanatee.org), or may be mailed or faxed to Manatee County at the address and fax number provided on page 3.

# Charles O'Connor Ward, PhD, PharmD

7130 Fairway Bend Circle  
Sarasota, FL 34243

941-360-6407, 412-915-0439

## EDUCATION

### **Doctor of Pharmacy**

*Duquesne University, School of Pharmacy*  
Pittsburgh, Pennsylvania  
December 1997

### **Doctor of Philosophy in Pharmacology**

*Temple University, School of Pharmacy*  
Philadelphia, Pennsylvania  
June 1968

### **Master of Science in Pharmacy**

*Temple University, School of Pharmacy*  
Philadelphia, Pennsylvania  
June 1965

### **Bachelor of Science in Pharmacy (*Honor*)**

*Union University, Albany College of Pharmacy*  
Albany, New York  
June 1963

## PROFESSIONAL EXPERIENCE

### **University of Pittsburgh, School of Pharmacy, Pittsburgh, PA**

#### **Adjunct Assistant Professor of Pharmacy and Therapeutics (1999 – 2015)**

Duties: Preceptor for PharmD students in geriatric pharmacy clerkship. Lecture to University of Pittsburgh nursing students on principles of pharmaceutical care in geriatric patients. Research, presentation and publication of papers and seminars on geriatric pharmacy practice. Maintain clinical practice site in Transitional Care Unit, UPMC-Montefiore Hospital, General medicine units UPMC Magee Womens Hospital. Participate in Student Advisor Program.

## **UPMC - Presbyterian Hospital, Pittsburgh, PA**

**Clinical Pharmacist: (1996 - present).** Duties: Provide clinical pharmacy services to the both the Transitional Care Unit (MUH) and the general medicine service at UPMC Magee Women's Hospital, including drug therapy reviews, patient care conferences, training of unit staff on med pass procedures, provide drug information. Pharmacy member of UPMC Falls Task Force.

**Previously:** Part of Drug Use and Disease State Management Program. Teaching nursing and pharmacy staff about new initiatives, evaluating patients for guideline compliance, monitoring interventions by staff pharmacists, and performing targeted interventions with medical staff to improve drug therapy. Have also provided clinical and consulting services to several skilled nursing facilities in the Pittsburgh area.

**Staff Pharmacist (1989 - 1996).** Duties included: preparing and checking IV and unit dose medications, including TPNs, chemotherapy and investigational drugs; technician training; checking floor stock and narcotic orders; filling and checking outpatient prescriptions; order entry into Pharmakon 2000 computer system.

## **Fairfax Hospital, Falls Church, VA**

**Dispensing Supervisor (1987 - 1989).** Duties included: administrative responsibility for day shift activities in Dispensing Area of Central Pharmacy; supervision of 20 technicians and 5 staff pharmacists; checking all drug orders and drug carts; filling over 3400 medication orders per shift; answering drug information questions; hiring and training of pharmacists and technicians; inventory control of narcotics; designed and implemented new medication distribution system for addiction treatment unit.

**Staff Pharmacist (1986 - 1987).** Duties included: supervising technicians and filling orders for IV admixtures, including chemotherapy and total parenteral nutrition (TPN); order entry into Datacare computer system; providing drug information; checking unit-dose drug orders; filling outpatient prescriptions; occasionally served as clinical pharmacist on the nursing units; provided in-service training programs for technicians.

## **Peoples Drug Stores, Inc., Alexandria, VA**

**Staff Pharmacist (1986).** Duties included: filling prescriptions (over 200 per day); counseling patients; ordering drugs and inventory control; narcotic inventory; experience with Honeywell Compass computer system.

## **ICF-Clement, Inc., Arlington, VA**

**Vice President, Toxicology (1985 - 1986).** Conducted quantitative risk assessments for toxic waste sites under the EPA REM-II, III and IV programs; provided litigation support to the Department of Justice for enforcement actions under CERCLA (*Superfund*); supervised development of hazard communications programs including Material Safety Data Sheets for private clients as well as EPA; conducted data review of toxicology studies for OSHA; headed team to audit laboratory studies for a petrochemical company; established computer databases of environmental clean-up criteria for priority pollutants in air, soil and drinking water; provided toxicology

support for toxic tort litigation by private attorneys; managed company's health and safety program.

**Gulf Oil Corporation, Medical & Health Resources Division, Pittsburgh, PA**

**Director, Toxicology Services (1978-1985).** Provided toxicology services to the various Gulf operating divisions, including: the design and coordination of toxicology research programs; liaison with corporate divisions on toxicology matters; service on various Gulf toxicology committees; and provided consultation to legal staff on toxic tort litigation. Other duties included: supervision of staff in Product Toxicology, Data Services and Quality Assurance Sections; and represented Corporation at various trade and professional associations and in meetings with regulatory agencies.

**Staff Toxicologist (1977 - 1978).** Assistant to General Manager of Toxicology Department in directing the corporate toxicology function, including: selection of outside contract laboratories, coordination of toxicology research programs, evaluation of reports, representing the corporation at various trade and professional associations and in meetings with regulatory agencies, staff recruitment, supervision of the Quality Assurance Unit, liaison with various corporate strategy centers on toxicological matters.

**Becton, Dickinson & Co., Inc. Huntingdon Research Center, New City, NY**

**Director of Toxicology (1983-1985).** Duties included: administration of an eight-acre facility and staff of 40 devoted to contract research in all aspects of toxicology, including: client contact, protocol design and pricing, report writing, compliance with FDA Good Laboratory Practices, evaluation of current federal regulatory actions, FDA, EPA, etc., general staff supervision.

**St. John's University, College of Pharmacy, Jamaica, NY**

**Associate Professor of Pharmacology (1972 - 1975).** Duties included: taught several graduate and undergraduate courses in toxicology and pharmacology to students of pharmacy, toxicology, and medical technology; supervised the research of 10-15 graduate students at M.S. and Ph.D. level; planned and administered undergraduate and graduate teaching laboratories in pharmacology; conducted independent research in areas of personal interest; wrote, verbally presented and published results of research via journals, books, and national scientific meetings; promoted the advancement of the profession of pharmacy through professional seminars and continuing education programs.

**Assistant Professor of Pharmacology (1968 - 1972).** Duties as above. *Tenured 1972.*

**MEMBERSHIPS**

*Professional:* American Society of Hospital Pharmacists  
American Society of Consultant Pharmacists  
Society of Toxicology



*Fraternal:* Kappa Psi  
*Honorary:* Society of the Sigma Xi  
Rho Chi Honor Society

## **LICENSURE**

*Registered Pharmacist:* Commonwealth of Pennsylvania

## **HONORS AND AWARDS**

*Society of Cosmetic Chemists Merit Award, 1974, for most outstanding research paper published in Journal of the Society of Cosmetic Chemists during the year.*

*Elected Vice Chairman, Academy of Pharmaceutical Services, Pharmacology and Toxicology Section, 1976-1977.*

*Outstanding Alumnus, Albany College of Pharmacy, 1983.*

## **MAJOR PRESENTATIONS**

"Teratology: An Aspect of Chronic Toxicity," Toxicology Symposium, St. John's University, June 1968.

"Physiology of Steroid Hormones," Continuing Education Program on Corticosteroids and Oral Contraceptives, St. John's University, October 1968.

"Anatomy and Physiology of the Central Nervous System," Symposium on Drugs Affecting Mood and Behavior, St. John's University, November 1969.

"Diuretics and Renal Physiology," New York City Chapter of the American Pharmaceutical Association, February 1970.

"Drug Therapy of Cardiovascular Disease," New York City Chapter of the American Pharmaceutical Association, March 1970.

"Cardiovascular Effects of Angiotensin-II in Turtles," Annual Meeting, Academy of Pharmaceutical Sciences, Washington, DC, April 1970.

"Recent Advances in Antibiotic Therapy," Mercy Hospital Refresher Course for Nurses, October 1970.

"Pharmacology of Non-narcotic Analgesics," Symposium on Drugs and Pain, Continuing Education Program, St. John's University, November 1970.

"A Pharmacologist Looks at OTC Medications," St. John's University, Pharmacy Congress, March 1971.

"Ocular Side Effects of Systemic Drugs," Symposium on Effect of Drugs on the Eye, New York State College of Optometry, New York City, December 1971.

"Therapeutic Uses of Medicinal Aerosols," Long Island Society of Hospital Pharmacists Meeting, January 1972.

"Pharmacology of Alcohol and Caffeine," Community Pharmacy Section, Pharmacy Congress, St. John's University, March 1972.

"Use of Telemetry in Evaluating Toxicity of Cosmetic Aerosols," Academy of Pharmaceutical Sciences, Annual Meeting, San Diego, California, May 1974.

"Current Perspectives in Aerosol Toxicity," Society of Cosmetic Chemists, Annual Meeting, Cincinnati, Ohio, 1974.

Connecticut State Society of Optometry, conducted seminar on "Antibiotic Chemotherapy," May 1975.

"Effect of Dietary Amino Acid Supplementation on Ethanol Toxicity in Rats," Academy of Pharmaceutical Sciences, Annual Meeting, Atlanta, Georgia, November 1975.

"Effect of Lysine and Diethanolamine on Blood Levels, Withdrawal Reactions and Acute Toxicity of Ethanol in Mice," Academy of Pharmaceutical Sciences, Annual Meeting, Atlanta, Georgia, November 1975.

Organization and presentation of "A Short Course in Immunology for Health Professionals" at St. John's University and other sites in metropolitan New York area, autumn 1975.

"Amino Acid Intake and Alcohol Toxicity," International Symposium, Nutrition and Drug Interrelations, Iowa State University, August 1976.

"Evaluation of Spray-on Bandages in Rabbits," Academy of Pharmaceutical Sciences, Annual Meeting, Orlando, Florida, November 1976.

"Toxicology and the Law," Women in Science Program, Chatham College, Pittsburgh, Pennsylvania, 1978, 1980, 1982.

"A Review of the Toxicological Testing Requirements of the Federal Insecticide, Fungicide and Rodenticide Act," Toxicology Roundtable, Owego, New York, October 1978.

"Toxicology Studies on Solvent Refined Coal Materials," Solvent Refined Coal Workshop, sponsored by Battelle Pacific Northwest Laboratory, Seattle, Washington, May 1979.

"Subchronic Inhalation Toxicity of Benzene in Rodents," API Symposium on the Toxicology of Petroleum Hydrocarbons, Washington, DC, May 1982.

"Comparative Toxicity of Benzene, Toluene and Xylene," Symposium on the Toxicity of Solvents, sponsored by the Midwest Regional Chapter of the Society of Toxicology, Chicago, Illinois, May 1983.

"Subchronic Inhalation Toxicity of Benzene in Rats & Mice," Collegium Ramazzini Conference on Benzene, New York City, November 3, 1983.

"Toxicology of Unleaded Gasoline," Grand Rounds, University of Pittsburgh, Graduate School of Public Health, Pittsburgh, Pennsylvania, February 16, 1984.

"Over The Counter Drugs," retired United Steel Workers of America monthly meeting, West Mifflin, PA, September 1997

"Nutritional Aspects of Acute and Chronic Pancreatitis," Research Seminar, St. Francis Hospital, Pittsburgh, PA, November 1996.

Presented poster entitled "Clinical Pharmacy Services in a Hospital-Based Transitional Care Unit" at the ASHP Annual Meeting , Reno NV, June 1999.

Made presentation at April 20, 2000 meeting of the Institute for Performance Improvement at UPMC-Presbyterian Hospital, entitled "Optimizing Drug Utilization in a Hospital-based Transitional Care Unit"

Made presentation to UPMC Health System Quality Improvement Fair on May 22 , 2000 entitled "Optimizing Drug Utilization in a Hospital-based Transitional Care Unit"

Made presentation to UPMC Health System Long Term Care Committee on April 26, 2000 entitled "Optimizing Drug Utilization in a Hospital based Transitional Care Unit"

Made 4 presentations to University of Pittsburgh School of Nursing students on "Pharmaceutical Care of the Geriatric Patient" as part of their LTC rotation in the UPMC-Montefiore Hospital Transitional Care Unit. 1999-2000.

Poster Presentation at ASHP Midyear Clinical Meeting, Las Vegas, NV, Dec. 2000 entitled "Optimizing Drug Usage in the Transitional Care Unit".

Poster Presentation at 12<sup>th</sup> Annual Forum on Quality Improvement in Health Care, sponsored by the Institute for Healthcare Improvement, San Francisco, Dec. 2000 entitled "Optimizing Drug Usage in the Transitional Care Unit".

"Geriatric Drug Therapy", presented at Clinical Concepts 2003. Special Problems in Pharmacology, DuBois, PA, September 2003.

Poster Presentation at ASHP Midyear Clinical Meeting, New Orleans, LA, Dec. 2003 entitled: "Evolving from Student to Clinician: The Interdisciplinary Role of a PharmD Student Intern in a Drug Use and Disease State Management Program". Susan J. Skledar, Charles O. Ward, Carla M. McAteer, Colleen M. Culley, and Kelly C. Ervin (IMP-6).

Poster Presentation at ASHP Midyear Clinical Meeting, Orlando, FL. Dec.2004 entitled: "Implementation of a Pharmacist Medication Review Program and its Impact on the Prevention of Delirium in the Elderly". McCann ML, Ward CO, Sheth H, Towers A. Skledar SJ.

Poster Presentation at ASHP Midyear Clinical Meeting, Orlando, FL. Dec.2004 entitled: "A Hospital Wide Effort to Reduce Dangerous Drugs in the Elderly". Coldren M, Tortorici M, Ward CO, Sheth H, Towers A. Skledar SJ.

"Geriatric Drug Therapy Review – 2005", Magee Woman's Hospital, Pittsburgh, June 2005.

"Drug Interactions for Clinicians", 2005 Pharmacology Update for Nurses", University of Pittsburgh School of Nursing, Pittsburgh,, August 2005.

"Drug Therapy Review for Rehab Clinicians", South Hills Health System, Pittsburgh, September 2005.

"Renal Dosing Review" presented at Pharmacy Grand Rounds, UPMC Presbyterian Shadyside Hospital, January 2006.

"Drug Therapy of Hypothyroidism", UPMC Presbyterian Hospital Patient Education Program for Thyroid Cancer Survivors, January 2008.

"Drug Therapy in Geriatric Patients", Carlow University Nursing Students, March 2008.

## **MISCELLANEOUS PROFESSIONAL ACTIVITIES**

Contributing Editor, International Pharmaceutical Abstracts, 1969-1970.

Staff Reviewer, Science Books, quarterly publication of the American Association for the Advancement of Science, 1968-1980.

Consultant: Drug Information Center, Mercy Hospital, Rockville Centre, New York, 1970-1976.

Consultant: Various pharmaceutical and cosmetic companies, including: Vision Packaging Co.; the Purdue Frederick Co.; Bard-Parker Co.; Natcon Chemical Co.; Hynson, Wescott and Dunning Co.

Member of the Publications Committee, Journal of the Society of Cosmetic Chemists, 1975-1980.

Contributing Editor, Journal of Pharmaceutical Sciences, 1971-1982.

Adjunct Professor of Pharmacology and Toxicology, St. John's University, College of Pharmacy and Allied Health Professions, Jamaica, New York, 1976-1977.

Adjunct Associate Professor of Toxicology, University of Pittsburgh, School of Pharmacy, Pittsburgh, Pennsylvania, 1982-1985.

Toxicology Consultant, O'Hara Township Emergency Management Agency, Pittsburgh, Pennsylvania, 1984-1985.

Participated in a Health Fair, US Steel Clairton Coke Works, Clairton, PA, October 1997.

Manned an "Ask the Pharmacist" table at a Senior Citizens Health Fair, Beltzhoover, PA, October 1997. University of Pittsburgh, School of Pharmacy, assisted in PHARM 5317 Gastroenterology and Nutrition – 8 laboratory sessions

Won first place in *UPMC-Presbyterian Hospital's Quality Improvement Fair* with paper entitled "Optimizing Drug Utilization in a Hospital based Transitional Care Unit" January 2000.

Won first place in *UPMC Health System Quality Improvement Fair* with paper entitled "Optimizing Drug Utilization in a Hospital based Transitional Care Unit" May 22, 2000

Presentation on drugs and falls to UPMC Falls Task Force February 2013. Presentation on benzodiazepines and dementia October 2014.

## PUBLICATIONS

"Effect of Certain Drugs on Perfused Human Placenta VI. Serotonin Antagonists," Charles O. Ward and Ronald F. Gautieri, J. Pharm. Sci., 55:474, 1966.

"Effect of Certain Drugs on Perfused Human Placenta VIII. Angiotensin Antagonists," Charles O. Ward and Ronald F. Gautieri, J. Pharm. Sci., 58:592, 1968.

"Role of the Placenta in Teratogenesis," Charles O. Ward, New England Journal of Medicine, 279:720, 1968.

"Topics in Biochemistry," Charles O. Ward, St. John's University Press, 1968.

"Screening Methods in Teratology," Charles O. Ward, Drug Intelligence, 2:324, 1968.

"Thyrocalcitonin," Charles O. Ward, Amer. J. Pharm., 140:1, 1968.

"Prostaglandins - A New Class of Hormones," Charles O. Ward, J. Amer. Pharm. Assoc., 9:127, 1969.

Experimental Methods in Pharmacology, Charles O. Ward, St. John's University Press, October 1969.

"Teratogenic Evaluation of Drugs: A Student Project," Charles O. Ward, Amer. J. Pharm. Education, 33:229, 1969.

"Effect of Certain Drugs on Perfused Human Placenta IX. Mode of Action of Angiotensin," Charles O. Ward and Ronald F. Gautieri, J. Pharm. Sci., 58:592, 1969.

"Effect of Angiotensin on the Heart Rate of the Turtle," Charles O. Ward, Nick Albanese and Michael A. Barletta, Amer. J. Pharm., 140:91, 1969.

"A Review of Oral Contraceptives," Charles O. Ward, Pharmacy Times, January 1970.

"Spectrophotometric Analysis of Acetylcholine Levels in Plasma," Michael A. Barletta and Charles O. Ward, J. Pharm. Sci., 59:879, 1970.

"Toxicologic Evaluation of Cosmetics," Charles O. Ward, Drug Intelligence, 4:49, 1970.

"The Practice of Clinical Pharmacy in Pediatrics," Charles O. Ward, Zachary I. Hanan and Jane Marie Durgin, Hospital Pharmacy, 5:15, 1970.

"Teratogenic Effects of Audiogenic Stress in Albino Mice," Charles O. Ward, Michael A. Barletta and Tanis Kaye, J. Pharm. Sci., 59:1661, 1970.

"Drug Interactions and Anticoagulant Therapy - A Clinical Study," Laureen Ku, Jane Marie Durgin and Charles O. Ward, Drug Intelligence, 4:300, 1970.

"Medication Errors in the Seventies," J. Durgin, Z. Hanan and C. Ward, Amer. J. Hosp. Pharmacy, 28:58, 1971.

"Effect of Tryptophan on Toxicity of Ethanol and Barbiturates in Rats," Charles Jarowski and Charles O. Ward, Toxicol. Appl. Pharmacol., 18:603, 1971.

Manual for Pharmacy Technicians, Edited by J. Durgin, Z. Hanan and Charles O. Ward, C.V. Mosby Co., St. Louis, Missouri, July 1972; Second Edition, 1977.

"Action and Uses of Drugs," Charles O. Ward, in Manual for Pharmacy Technicians, Edited by J. Durgin, Charles O. Ward and Z. Hanan, C.V. Mosby Co., July 1972.

"Effect of Lysine on Toxicity and Depressant Effects of Ethanol in Rats," Charles O. Ward, C. Lau Cam, A. Tang, R. Breglia and C. Jarowski, Toxicol. Appl. Pharmacol., 22:1-5, 1972.

"These Nine Drugs Can Pose Special Problems for Elderly," Charles O. Ward and Z. Hanan, Modern Nursing Home, January 1972.

"Interviewing Patients to Obtain Data for Outpatient Pharmacy Clinic Files," F. Gordon, Charles O. Ward and J. Durgin, Hospital Topics, 50:52, 1972.

"Adverse Effects of Drugs on the Developing Fetus," T. Twomey, J. Durgin and Charles O. Ward, Hospital Pharmacy, 7:385, 1972.

"Effect of Selected Amino Acids on Ethanol Toxicity in Rats," R. Breglia, C. Jarowski and Charles O. Ward, J. Pharm. Sci., 62:49, 1973.

"Pharmacology and Toxicology of Medicinal Aerosols," Charles O. Ward, in Aerosol Technology, Edited by J. Sciarra and L. Stroller, J. Wiley and Sons, Inc., January 1974.

- "Current Perspectives in Aerosol Toxicity," Charles O. Ward, J. Soc. Cosmetic Chem., 25:271, 1974.
- "Use of Telemetry in Evaluating Toxicity of Cosmetic Aerosols," M. Dorato, J. Sciarra and Charles O. Ward, J. Pharm. Sci., 63:1892, 1974.
- "Effect of Spray-On Bandages Containing Antibiotics on Healing of Contaminated Wounds in Guinea Pigs," M. Luongo, J. Sciarra and Charles O. Ward, J. Pharm. Sci., 63:1376, 1974.
- "Current Perspectives on Aerosol Toxicity," Charles O. Ward, Freon Product Information Bulletin No. A-80, E.I. DuPont DeNemours & Co., 1975.
- "An Animal Model for Estimating the Relative Sting Potential of Shampoos," R. Shanahan and Charles O. Ward, J. Soc. Cosmetic Chem., 26:581, 1975.
- "Effect of Lysine and Diethanolamine on Blood Levels, Withdrawal Reaction and Acute Toxicity of Ethanol in Mice," M. Dorato, V. Lynch and Charles O. Ward, J. Pharm. Sci., 66:35, 1977.
- Contributing Author, The Right Drug to the Right Patient, American Pharmaceutical Association, February 1977.
- "Effect of Selected Aerosol Cosmetic Constituents on the Isolated Guinea Pig Lung," A. Clair, Charles O. Ward and M. Barletta, Federation Proceedings, 36:945, 1977.
- "Chronic Inhalation Exposure of Rats and Rabbits to Nitromethane and 2-Nitropropane," C. Ulrich, M. Dorato, A. Ledbetter, B. Marold and C. Ward, HEW/NIOSH Project No. 210-75-0039, 1977.
- "Effect of Amino Acid Intake on Ethanol Toxicity," Charles O. Ward and M. Dorato, in Nutrition and Drug Interrelations, Edited by J. Hathcock and J. Coon, Academic Press, 1978.
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