

# Beverly Trina Trochessett Cannon

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## Experience

**2000- Present Highland Park High School, Dallas TX**

- Physics I Teacher
- Sponsor of the Science National Honor Society
- EOC Physics specialist

**1998-2000 Laurel School Shaker Heights, Ohio**

- Science Department Chair for grades 5-12
- Teaching Physics
- Curriculum coordinator for grades 5-12
- Guiding the implementation of technology in the science classrooms
- Providing in-service programs for the science teachers in curriculum development and coordination with the national standards.

**1995-1998 Dallas Independent School District Dallas, TX**

**Physics Teacher at Townview Magnet Center with Science and Engineering High School.**

- Teaching duties included Physics, Chemistry, Algebra II Pre-AP, Algebra II, Astronomy and Energy Systems
- District Curriculum writer for Physics and district-wide ACP Test (Assessment of Course Performance)
- Senior Class Sponsor
- Junior Class Sponsor
- Sponsored Emerging Professional Women's Club
- Academic Decathlon Team
- Magnet School Curriculum Writing Vertical Team

**1994-1995 University of Dallas Irving, TX**

**Project Disseminator for Mechanical Universe High School Adaptation**

- Conducted workshops for teachers at statewide and nation-wide professional meetings.
- Organized and conducted a two-week workshop for 21 teachers at University of Dallas Summer, 1995.
- Planned, organized and contributed to the quarterly MUHSA Newsletter.
- Maintained correspondence with MUHSA certified trainers across the country.
- Assisted in the preparation of annual reports for NSF and NDN.
- Attended National science meetings making presentations for MUHSA

**1978-1994 East Baton Rouge Parish Schools Baton Rouge, LA**

**McKinley Senior High School (1984-1994)**

- taught Physics, AP Physics (AB), Chemistry, AP Chemistry, Algebra I, Aerospace Science in the Academically Gifted Program.
- Key Club Sponsor and National Beta Club Sponsor

**McKinley Middle School (1982-84)**

- taught Physical Science, Life Science, ISCS Level II, Digital Electronics I and II
- Calligraphy Club Sponsor

**Istrouma Middle School (1980-82)**

- taught Physical Science, Earth Science, ISCS Level I.
- National Junior Beta Club Sponsor
- State Sponsor for National Junior Beta Club

**Scotlandville High School (1978-80)**

- taught Math A and Math B.

**1972–1978 Bogalusa City Schools Bogalusa, LA**

**Bogalusa High School**

- taught Chemistry, Physical Science, General Math
- National Beta Club Sponsor
- National Beta Club State Committee for preparing and conducting academic competition

**1969-1972 Gulfport City Schools Gulfport MS**

**Gulfport High School and Gulfport East High School**

- taught Chemistry and Algebra I
- Science Club Sponsor

**Education**

**2012-2013 Southern Methodist University Dallas TX**

- Master of Physics Teacher Certificate - 78 contact hours

**2011 Summer Aurora University Aurora, IL**

- 3 graduate hours Quarknet Particle Physics

**2010 – 2011 Texas A&M – Commerce Commerce ,TX**

- 15 graduate hours in Physics

**2010 Summer University of Dallas Irving,TX**

- 3 hours of graduate physics

**2004 Spring –2005 Spring Curtin University Perth Australia**

- enrolled in the doctoral program

**2004 Summer Semi-conductor Workshop at UTA and Tarrant County Community College**

**2004 Summer TI Semi Conductor Workshop in Phoenix AZ**

**2004 Summer California State University Sacramento, CA**

- Special Topics in Physics 3 graduate credit hours

**2003 Summer Edgewood College Madison, WS**

- Topics in Physics 3 graduate credit hours

**2001 Summer Arizona State University Phoenix, AZ**

- Physics for High School Teachers 3 hours credit

**1999 Spring Cleveland State University Cleveland, Ohio**

- Field Geology 3 hours graduate credit

**1999 Summer University of Central Florida Orlando, FL**

- Physics courses 5 hours graduate credit

**1982-1995 Louisiana State University Baton Rouge, LA**

- Ph.D. Student in Graduate School with major in Curriculum & Instruction and a minor in Gifted Education (164 graduate hours of credit)

**1975-1978 University of Southern Mississippi Hattiesburg, MS**

- M.S. Science Education with a minor in Chemistry

**1965-1969 Mississippi State College for Women Columbus, MS**

- B.S. Chemistry with a minor in Math

Credit hours from University of Connecticut in Storrs, CT, University of Mississippi in Oxford, MS, Beaver College in Glenside, PA, and Southeastern Louisiana University in Hammond, LA.

**Certification**

**Louisiana Certification**

- Chemistry, Physics, Math, Biology, Physical Science, General Science
- Gifted Education

**Texas Certification.**

- Combined Sciences from ExCet test in Combined Sciences and the Professional Development Test- Passed Spring 1996
- Gifted Education
- Math ExCet Test - passed in Spring 1998.

**Professional Organizations**

National Science Teachers Association  
American Association of Physics Teachers  
Association for Supervision and Curriculum Development  
National Science Educational Leadership Association

**Recognition**

Outstanding Chemistry Teacher in Baton Rouge 1984 from American Chemical Society  
Louisiana State finalist in Presidential Award for Excellence In Science and Mathematics Teaching -1993  
Louisiana State finalist in Presidential Award for Excellence In Science and Mathematics Teaching -1994  
McKinley High School Teacher of the Year - 1994, Baton Rouge, LA  
Professional Achievement Award given by Highland School District Spring 2005  
AAPT Distinguished Service Award, Winter meeting 2010

**Professional Development and Leadership Roles**

NSTA Fall Regional Meeting, Biloxi, MS 1969  
MEA State Conventions 1969-72  
NSF Workshop for Chemistry at Beaver College Participant, Glenside, PA Summer 1972  
NSF Workshop for Physical Science Participant Spring, 1975  
LA State Committee for Academic Competition for the National Beta Club 1974-80.  
LA State Sponsor for Junior Beta Club, 1984-85  
LSTA State Meetings 1984-1994 and presenter at these meetings.  
MUHSA Workshop Leader 1991-92 and 1992-93 for 15-day workshops.  
NSTA Fall Regional Meeting Presenter, New Orleans, LA 1991  
Peer Faculty at Southwest Teachers Academy, University of Dallas, Summer 1992  
AAPT Winter Meeting Presenter, New Orleans, LA 1993

Selected as a Physics Teacher Resource Agent by AAPT to participate in professional training and conducting workshops for teachers, 1993

AAPT Section Representative for Louisiana Section of AAPT 1993-1994

AAPT Committee for Women in Physics Member, 1994-1998

AAPT Summer Meeting Presenter, Boise, ID, 1993

Fermilab National Accelerator, Batavia, IL for **Topics in Modern Physics Institute as a Participant**, July 1993

AAPT Winter Meeting Presenter, San Diego, CA, 1994

AAPT Summer Meeting Presider, South Bend, IN, Notre Dame University, 1994

AAPT Winter Meeting Presenter and Presider, Orlando, FL, 1995

C<sup>3</sup>P Workshop Participant, University of Dallas, Rome, Italy, June-July, 1996

AAPT Winter Meeting Presenter and Presider, Reno, NV Jan, 1996

NSTA National Spring Meeting Presenter, St. Louis, MO April, 1996

LOGAL Workshop Participant, Tufts University, Amherst MA, June, 1996

C<sup>3</sup>P Workshop Participant , University of Dallas, Irving, TX, July, 1996

Engineering Concepts Workshop Participant, Thayer School of Engineering, Dartmouth College, Hanover, NH, July 1996

AAPT Summer Meeting Presenter, University of Maryland, August, 1996

AAPT Winter Meeting Workshop Presenter, Phoenix, AZ 1997

SACS Steering Committee for Townview Magnet Center and Chair of the Visiting Team 3-day Site Visit

North Texas State Program for Evaluating and Critiquing Physics: The inquiry Approach for the Science Education Staff preparing Pre-service Science Teachers.

NSTA National Spring Meeting in New Orleans, LA Presenter, April 1997

C<sup>3</sup>P Workshop participant, University of Dallas, Irving, TX July 1997

Presented TI-83 graphing Calculator workshop for teachers, July, 1997

CAMT Meeting for Math Teachers, Houston, TX, July, 1997

AAPT Summer Meeting Presenter and Presider at Denver, CO, 1997

Jason Project Workshop participant at The Science Place, Dallas, TX November, 1997

Presented at the AAPT Northeast Section Meeting at Yale University November 1998

Modeling Workshop for Physics, University of Central Florida, summer 1999

Presented at the AAPT Northeast Section Meeting at the University of Pennsylvania  
November 1999

Proposed and Presided at a Invited Paper session, AAPT, Orlando, January 2000

Honorable Mention for Radioshack National Teacher Awards Program –1997 and 2000

NSTA Committee for High School Science Teaching, 3-year term, June 2000 to May  
2003 appointed by Arthur Eisenkraft, NSTA President-Elect.

Presenting three papers at NSTA, Orlando Florida, April 2000

AAPT Video Contest Chair – appointed 2000- currently serving in that capacity

Presenter and Presider at the 2001 AAPT Summer meeting, Rochester NY

Presenter and Presider at the 2002 AAPT Winter meeting, Philadelphia PA

Presenter and Presider at the 2003 AAPT Winter meeting in Austin TX

Appointed to Toyota Tapestry Awards Committee to judge entries (3-year term)

Appointed to Toshiba ExploraVision Awards Committee to judge entries 2005

Appointed to the AAPT Examinations Board Committee for 3-year term (Jan 2005-Dec  
2007)

Presented at CAST (TX State Science Teachers meeting) October 2001, October  
2002, October 2003

Attended CAST meeting October 2004

Attended NSTA in St. Louis, MO, April 2007

Participated Quark Net at SMU Summer 2007

Presented C3P workshop (1 week) at University of Dallas Summer 2007- 15  
participants

Attended AAPT Meeting in Baltimore MD, January 2008

Attended Modern Physics Insitute at Perimeter Insitute in Waterloo, Ontario CA June  
2008

Attended AApt meeting in Edmunton, Alberta CA.July 2008

Participated Quark Net at SMU Summer 2008

Attended AAPT meeting is Chicago IL, January 2009

Attended AAPT meeting in Ann Arbor MI, July 2009

Attended Physics of the Atomic Nucleus workshop at Michigan State University in East Lansing, MI, August 2009

Appointed Chair of the AAPT Minorities Committee Term Jan 2010-Jan 2011

Appointed to AAPT Committee for Space and Astronomy Education (Jan 2012-Jan 2015)

Presented at the TX Section of AAPT, TX A & M – Commerce, Commerce TX 3 workshops on Modern physics October 2011

Presented at the Texas Regional Collaborative meeting for Physics by Instrumentation in Austin TX a workshop on Energy February 12-13, 2012

Presented at the Two-Year Community College Teachers Association meeting in Frisco, March 2, 2012 on Physics of the 21<sup>st</sup> Century

Presented at the TX Section of AAPT meeting in San Angelo, TX, 3 workshops-Energy, Physics of the 21<sup>st</sup> Century, and Rockets, March 2012

Attended NSTA in San Antonio, April 2013

Judged the Modern Physics projects at the International Science and Engineering Fair in Phoenix AZ, May 2013

Physics Research in electronics lab at SMU summer 2013 as part of a Quark Net Grant : supervising 8 high School Students.

**Additional  
Professional  
Accomplishments**

Certified Trainer of Teachers for **Mechanical Universe High School Adaptation** Physics Curriculum

Certified Trainer for Teachers for **PRISMS** Physics Curriculum

Authored Curriculum Guides for Physics in the Gifted Program and Advanced Placement Physics in Gifted Program for East Baton Rouge Parish Schools, Baton Rouge, LA

Mentor for the **Comprehensive Conceptual Curriculum for Physics (C<sup>3</sup>P)**, an NSF funded project.

Reviewer for **Active Physics** , an NSF funded project. (1995-1997), Arthur Eisenkraft, Principal Author.

Physics Teachers Job-Alike Workshop Presenter for DISD Jan, 1995 and August, 1996

Co-author of **Physics Core Curriculum** for DISD, Dallas TX (1995-96)

Reviewer for materials in **C<sup>3</sup>P Project** (1996-1997)

Curriculum writer for **Science & Engineering Magnet School** and course developer (1996-97)

Reviewer and question developer for **Assessment of Course Performance in Physics** for DISD (ACP Test - 1996)

Executive Producer of 30-minute informational/recruitment video for Science & Engineering Magnet High School (1996)

Presenter of Physics Workshops through Region 10 Service Center, Richardson TX 1996-97.

Co-author a workshop curriculum on the Physics of Music with Clarence Bakken, Palo Alto, CA and Chris Chiaverina in Winnetka, IL. The workshop was first presented at the AAPT meeting in July 1998 at Lincoln NE.

Reviewer of Physics Materials for Brooks-Cole Publishing Co., 1997

Participant in the Modeling Workshop in conjunction with the C3P workshop at Gunnison, CO during July, 1998

Workshop Presenter for C3P Project at University of Dallas, June 1998.

Workshop Presenter for USI PTR A in Cleveland, February, 1999, *The Physics of Music*

Workshop Presenter for USI PTR A in Boston MA, March, 1999, *Kinematics*

Modeling Workshop Participant at University of Central Florida, June-July, 1999

Authoring the **Physics of Music** manual for the PTR A program, which is part of the AAPT. Deadline June 2000.

Contracted with Casio to write Lab Activities book for the Casio Graphing Calculator and the Vernier interfaces and probes. Deadline May 2000

Manuscript reviewer for *The Science Teacher* published by NSTA (Curently)

Writer of instructional and informational papers for new physics equipment made by Steiner industries, Indianapolis, IN

Reviewer of Physics Materials for Brooks-Cole Publishing Co., 2009 - 2010



**Summer  
Employment**

LSYOU Summer Program for at risk students - Math Teacher and tutor 1987

EBRP Summer School Program - Physics and Chemistry, 1989

Christian Life Fellowship Academy Summer School Program - Algebra II Teacher, 1990

LSU Summer Academy for Gifted Students - Physical Science Teacher, 1991, 1992

Southwest Academy for Physics Teachers at the University of Dallas, Instructor, 1992

EBRP Summer School - Environmental Science, 1994

Richland College 2009 – Summer Engineering program

**Personal and  
Professional  
References**

Dr. Ken Fox, Assistant Principal, Highland Park High School, 4220 Emerson St. HPISD, Dallas, TX (214)780-3700

David Williams, Assistant Principal, Highland Park High School, 4220 Emerson St. HPISD, Dallas, TX (214)780-3700

Greg Rico, Counselor at Highland Park High School, 4220 Emerson St. HPISD, Dallas, TX (214)780-3700

Dianna Hutchison, Special Education Teacher, Highland Park High School, 4220 Emerson St. HPISD, Dallas, TX (214)780-3700

Dr. Richard P Olenick, Chairman of Physics Department, University of Dallas, Irving TX, (972) 721-5313

Elizabeth Peterson, Chemistry Episcopal School of Dallas, 4220 Emerson St. HPISD, Dallas, TX (214)780-3700

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Paul Hewitt, Professor of Physics, City College of San Francisco and author of Conceptual Physics. e-mail: [pghewitt@aol.com](mailto:pghewitt@aol.com)

Lawrence Krauss, Physics Department, University of Arizona