

## Jean Fuller-Stanley PhD

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### **TO: Search Committee, Dean of the College of Science and Health**

It is with great reflection and a sense of déjà vu and enthusiasm that I submit my credentials to be considered for the position of Dean of the College of Science and Health at William Paterson University. I arrived at WPU just over six years ago with excitement and some trepidation as I embarked on a somewhat different aspect of my career. First and foremost, I was fortunate to find in my immediate work environment caring, hardworking dedicated individuals who make it a pleasure for me to come to work. As an internal candidate I have the good fortune to have worked with each member of this committee: I am confident that any potential challenges that might arise will be mitigated by the candor and forthrightness with which I have interacted with all of you as colleagues. With the installation of a new President, (Kathy Waldron) coupled with planning for a new strategic plan, WPU has been reinvigorated. I would be excited about working with S&H faculty and staff to develop a new strategic plan that would align with that of the institution. Additionally, it is important to engage S&H faculty to review the curriculum to ensure that we are providing graduates with the skills and requirements to be successful in the 21<sup>st</sup> century.

I will attempt to highlight some of my professional accomplishments and challenges that have helped to shape and guide my academic persona. My professional career has included two very different types of institutions. For twenty-one years I participated as a teacher/scholar and chairperson at Wellesley College (WC), and experienced the pleasures and challenges of a highly selective, traditional residential liberal arts institution dedicated to offering the best education possible to a small group of academically gifted young women. The individual attention paid to each student, the rigor of the curriculum, and the focus on student-faculty research all contributed significantly to shaping my educational worldview. Not content just to teach in the chemistry department, I joined faculty colleagues across the campus to be part of an interdisciplinary cluster program. The theme of the Cluster was, *Imagining the Third World*: I taught an interdisciplinary science-focused course on “Mythology, Magic and Medicine: Contributions From the Third World”. This science course was extremely successful and varied presentations about it became much in demand for my faculty visits to Wellesley Alumnae Clubs.

I have always been and remain committed to a shared governance structure and at WC was an active and committed participant on a wide variety of college committees. As a faculty member, I served on numerous committees such as foreign study and faculty grievance and co-founded and chaired the Minority Recruitment Hiring and Retention Advisory Committee. I co-

chaired a campus fundraising committee involving faculty, administrative staff and union personnel, and we were successful in raising enough funds to establish a scholarship fund. On becoming chairperson of the twenty- faculty Chemistry department, I realized that I enjoyed administrative work. One of my strengths is my willingness and ability to tackle difficult interpersonal and inter-group issues so that meaningful dialogue can transpire. As department chair, I boosted department morale and increased interpersonal communication and improved the department's curricular choices for the students.

When the opportunity came to expand and enhance my administrative experience and work with a different type of student body, I left WC in 2005 to become Associate Dean of the College of Science and Health at William Paterson University (WPU). There I have been able to work with students whose background, in many respects, is not unlike my own. My parents were non-college-educated Jamaicans who moved to England for better socio-economic mobility and greater access to educational opportunities for their children. The WPU student body is mostly urban, substantially non-residential and has a significant proportion of first-generation college students. At WPU, one of the challenges is to open new intellectual and cultural worlds to these students and to prepare them for upward social mobility.

At WPU my primary responsibilities are to assist the dean with strategic planning and fundraising, curriculum and faculty development, grant management, and all matters related to student retention and timely graduation. Moreover, when troublesome situations reached a critical point in the department of Chemistry and Physics, I was asked to serve as interim chair while continuing my responsibilities as associate dean. As interim chair I worked with the department faculty to introduce the BA in chemistry, in addition to the existing BS degree. The second chemistry major has resulted in increased course offerings and contributed to a revitalization of the chemistry department.

One of the goals of the College of Science and Health (CSH) was to increase the percentage of faculty using interactive teaching strategies. Unfortunately, despite attempts over the previous two years, most faculty remained convinced of the superiority of the "Sage on Stage" model of teaching students. My own "Socratic" style of teaching, honed over the years, coupled with the scholarly research demonstrating the benefits of actively teaching to students' engagement, students' retention and life-long learning, convinced me to plan faculty development around this crucial issue. Significant changes have been made, and more importantly, engaging students in active learning has become part of the CSH faculty conversation. At the University level, I have worked with the Associate Dean of the College of Humanities and Social Sciences and the Associate VP for Student Affairs to introduce a formal orientation for transfer students. I have been instrumental in helping to introduce administrative procedures that have led to more effective responses to students' changing needs: incorporating more technology in the registration process, more streamlined students' readmission policies, more responsive student advising and implementation of a more effective electronic course prerequisite monitoring program (work in progress).

In my career so far, I have demonstrated a willingness and ability to work effectively in different roles in different institutions to achieve meaningful outcomes. I am fortunate to have a personal and professional history that has prepared me to interact with people from all educational and

socio-cultural backgrounds. I have acquired relevant administrative experiences at multiple institutions, managerial training and fund-raising and grant writing experiences. As Dean of the College of Science and Health I would continue to strengthen the collaborative working relationships with the other Deans to create more opportunities for cross-disciplinary and interdisciplinary learning to equip WPU graduates to be successful in a global environment. I would continue to work across all constituencies to strength the student advisement process and increase the 5 and 6-year graduation rate. Those who have worked closely with me are aware that I am and remain a strong advocate for student-focused policies and procedures and have tried to incorporate numerous ‘National Best Practices’ in all that I espouse. I firmly endorse the notion that an institution’s alumni are the best representation of the institution’s veracity and value. With that said, I believe there are two important aspects that can contribute to a significant increase in the number of WPU graduates:

1. Faculty that are committed to active scholarship as well as engaged teaching that is current and relevant.
2. Motivated students who know and understand that a majority of the faculty are committed to their learning and have high expectations for ALL students.

These are two of the most important components to foster life-long learning, engage students and that will equip WPU graduates with the skills and knowledge to be successful global citizens.

If selected as Dean, I look forward to exploring these and many other educational ventures that will enhance the offerings of the College of Science and Health, increase student retention and timely graduation, and increase the overall stature of WPU.

Sincerely,

Jean Fuller-Stanley

11/27/11

“I was taught that the way to progress is neither swift nor easy.” *Marie Curie*

## JEAN A. FULLER-STANLEY

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### William Paterson University

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**COMPETENCY SUMMARY:** Over 25 years in higher education combining administrative, teaching, scholarly and service responsibilities.

As an administrator, involved and provided leadership in the following areas: academic, student affairs, faculty development, fundraising and community outreach.

In teaching role, engaged students in active inquiry-based learning with primary focus on developing their problem solving abilities.

As a researcher, involved undergraduates in projects that allow them to develop as independent thinkers as well as enhance their presentation skills.

In the areas of community outreach and service, engaged in formal and informal mentorship relationships with such groups as: New England Board of Higher Education (NEBHE), Biomedical Science Careers Program (BSCP) and the American Chemical Society (ACS).

Responsive, pragmatic intellectual, outgoing visionary with excellent listening skills bringing a student-focused orientation to academic problem solving.

### ***Education***

#### **University of Nebraska-Lincoln**

*Ph.D. Organic Chemistry, 1984*

*M.S. Organic Chemistry, 1980*

#### **University of London**

*B.Sc. (Hons.) Chemistry, 1976*

Lincoln, NE 68588

London, England. (UK).

### ***Leadership Programs***

Management Institute for Women in Higher Education conducted by Higher Education Resource Services (HERS), Wellesley College, MA, (2008-09).

American Chemical Society (ACS), Local Section Leadership Workshops for Section Chairs, St. Louis, MO, (2003).

American Chemical Society (ACS) Local Section Leadership Workshops for Section Chairs, Washington D.C., (2003).

Leadership workshop for New England Regional Higher Education Collaborative Department Chairs, Mount Holyoke College, MA, (2001).

Project Kaleidoscope (PKAL) Workshop for Department Chairs, *Leadership in the Reform of SMET: The Liberal Arts College Context*, Keystone, CO. (2000).

American Chemical Society (ACS), Peer Mentoring Leadership Workshop, Washington DC, (1998).

## **Professional/Academic Experiences**

### ***William Paterson University of New Jersey, 300 Pompton Road, Wayne, NJ, 07470.***

- Associate Dean, College of Science and Health, and Professor of Chemistry, (2005- ).
- Project Director, US Department of Education 5-year funded Grant to WPU; *Teachers for a Competitive Tomorrow (TCT) for Mathematics and Science Teachers (MAST)*, (2008-10).
- Project Director for WPU Garden State Louise Stokes Alliance for Minority Participation (LSAMP): NSF funded collaborative grant to Rutgers University for state-wide GS-LSAMP Program, (2009- ).
- Science Endorsement (SCEN) Program Coordinator, for K-8 Science teachers, (2007- ).
- Interim Chair, Department of Chemistry and Physics, (March 2006- August 2007).

### ***Wellesley College, 106 Central Street, Wellesley, MA (1984-2005)***

Chair, Department of Chemistry, (2000-2004).

Director, Minority Mentorship in Science (MMIS) Program, (1994-2000).

Full Professor, Department of Chemistry, (2003-2005)

Associate Professor, (with tenure), Department of Chemistry, (1991-2003).

Assistant Professor, Department of Chemistry, (1984-1991).

### ***Summary of Responsibilities as Associate Dean at WPUNJ: 2005-***

WPUNJ is a comprehensive regional public Masters-level University with approximately 11,000 students. Work closely with the Dean on curriculum review, new courses and programs, and activities related to accreditation and program reviews. Assist with strategic planning, institutional advancement and grant writing activities: such as alumni relations, fund-raising visits and proposal writings. Promoting undergraduate research, active learning and engaging underprepared students for the College of Science & Health (CSH). Initiate and support faculty development and program assessment activities. Coordinate the new faculty orientations in collaboration with the College of Humanities and Social Sciences. Respond to and resolve the following student-related activities: recruitment & retention, registration & advisement and appeals/complaints. Serve with other Associate Deans, on the following committees: Commencement Honors Convocation, Student of Concern (threat assessment).

### **Accomplishments (WPUNJ):**

#### *Specific Faculty Development Initiatives:*

- ◆ Organized several faculty panels on:  
Effective Strategies for Advising Unmotivated and/or Under-prepared Students  
Effective Strategies for Teaching Unmotivated and/or Under-prepared Students.
- ◆ Increase the number of faculty engaged in active teaching.
- ◆ Piloted CSH faculty/staff “Drop-in” advisement sessions that are more conducive to students schedule.
- ◆ Developed memo on: Grading Standards and Transparencies (distributed to College of Science and Health faculty)
- ◆ Co-developed with Associate Dean from Humanities and Social Sciences: orientation presentation for transfer students.
- ◆ Instrumental in the recommendation and implementation of an electronic update of course availability for students’ In-person registration.

- ◆Instrumental in orientating faculty to: effective use of the electronic *Early Alert* system for effective student advising.
- ◆Initiate and co-organized a panel presentation by our Science Advisory Board members given to the College of Science & Health faculty on “Required Soft *Skills* for Success in the Workplace”.

*Fundraising and Grant writing:*

- ◆Co-PI on Department of Education funded TCT-MAST project, approximately \$2 million over five years.
- ◆Co-PI on National Science Foundation Collaborative (nine NJ Institutions) funded project (GS-LSAMP), approximately \$200,000 to WPU over five years.
- ◆Worked with WPU Advancement Office to obtain corporate funds to supplement TCT-MAST Project: PSE&G, \$12,000 for scholarship & BAE Systems, \$20,000 for programming

*Specific Initiatives as Interim Chair of Department of Chemistry and Physics:*

- ◆Evaluate and determine the feasibility of the current faculty to be the next department chair
- ◆Plan and arrange for outside professional facilitator to work with department faculty
- ◆Instrumental in developing the process for the selection and hiring of an external department chair
- ◆Successfully transitioned and mentored the new department chair
- ◆Instrumental in developing the new BA in Chemistry major
- ◆Instrumental in reformulating the Physics minor

**Accomplishments Wellesley College: 1984-2005**

Chair of Chemistry Department, 2000-2004

- ◆Successfully re-organized chemistry preparations room to increase efficiency and averted potential legal action.
- ◆Chaired three tenure-track searches; implemented outreach strategies that increased diversity of applicants.
- ◆Tenure case denied and successfully appealed.
- ◆Boosted department morale, increased inter-personal communication and improved the department’s curricula choices for students.

Chair, Minority Faculty Recruitment, Hiring & Retention Advisory Committee (1993-95):

- ◆Initiated mentoring structure for all junior faculty.
- ◆Recommended targeted hiring of senior faculty from minority groups.
- ◆Developed structures to ameliorate feelings of isolation for all junior faculty.

Co-Chair, Campus Community Campaign (2001-2003):

- ◆Raised \$74,000 to establish a scholarship fund for WC students.
- ◆Co-PI on GTE Focus Grants for Minority Mentorship in Science, \$60,000

**UNIVERSITY/COLLEGE COMMITTEES**

***William Paterson University***

- Strategic Enrollment Management Committee, 2011 -
- Trained as University Hearing Officer: Hear and recommend corrective action on work related inconsistencies between management and union workers, (2009- present).
- WPUNJ Institutional representative to New Jersey chapter of American Council on Education (ACE), (2007-2011).
- WPUNJ representative to Planning Committee to fund and establish a New Jersey Louis Stokes Alliance for Minority Participation in Sciences (GS-LSAMP), (2006-present), [NSF funded programs to increase the number of underrepresented minorities in Science Technology Engineering & Mathematics, STEM fields], Funded 2009
- Co-Chair of the Robert Noyce Scholarship Committee; NSF Funded Scholarship program for STEM High School teachers to teach in high-needs schools, (2008 –present)

- Planning Committee Member; Annual Regional Undergraduate Research Symposium held at WPUNJ, April 21, 2007 April 2008, April 2009, March 2010 & April 2011.
- Science Building Addition/Renovation Steering Committee, (2005-present)
- Faculty Senate Advisement and Registration Council, Administrative liaison (2007- 2011)
- Search Committees:  
Dean of the College of Arts and Communications, 2011-2012  
Staff Academic Advisors/Career Counselors for the Advisement-Career Center, 2011  
Dean of College of Education, 2009-2010  
Assistant Director of Sponsored Programs, 2009  
Director of Advancement, 2007;  
Director of Admissions, 2006  
Vice President for Enrollment Management, 2006  
Staff Advisors/Career Counselors for Advisement-Career Center, 2006

### ***Wellesley College***

- Academic Excellence, (2003-2004): [(faculty, administrators & students) members selected by the Dean of the College to address all issues related to mid-term accreditation].
- Faculty representative to National Development and Outreach (NDOC) (2001-2003): [Board of Trustees committee that dealt with short and long term issues related to fundraising].
- Chair, Campus Community Campaign, (2001-2003): [organized campus committee to raise funds from faculty, administration & union staff to successfully establish a scholarship fund for students].
- Elected to Faculty Grievance Committee (2003-2006, 1997-1998)
- International Studies Committee, (2001-2004)
- Financial Aid Committee, (1997-2000)
- Faculty Discussion Leader for First-Year Students Orientation, (2002)
- Co-Chair, Black task Force, (2002-2004, and 1990-1992): [Black faculty/staff on-campus advocacy].
- College Agenda/Nominating Committee: [Committee of Academic Council], (2002-2004)
- Campus Center Planning Committee, (1999-2000, 1998-1999)
- Faculty Interviewer, Senior Exit Interviews, (2002)
- First-Year Advisor, (selected by First-year Students, (1997-2000)
- Learning and Teaching Center Planning Task Force, (1991-1992)
- Chair, Minority Faculty Recruitment, Hiring & Retention Advisory Committee, (1993-1995)
- Co-founder of *The Wellesley Round Table*, (1993-1995): [An open forum at Wellesley College that promoted discussions/debates of topics deemed controversial].
- Co-founder and Advisory Committee member, Minority Mentorship in Science (MMIS), (1994-2004), Program Director, (1994-2000)
- Organized Faculty Development Workshop with focus on engaging underrepresented minority students in STEM: Presenters, Dr. Andrea Ayvazian and Dr. Beverly Tatum from Communitas. (April 27, 1996)
- Advisory committee member & consultant to Pathways for Women in Science Project (1991-97)
- Campus-wide Search Committees:
  - ◆ Associate Dean of Students, (2000);
  - ◆ Director of Harambee House, (1997)
  - ◆ Director of Learning and Teaching Center, (1992 )
  - ◆ Dean of First-Year Students, (1990)

### **EXTERNALLY-FUNDED GRANTS & AWARDS**

- ◆ Co-PI on WPUNJ Collaborative (nine NJ Institutions) NSF Garden State – Louis Stokes Alliance for Minority participation in Science (GS-LSAMP) Grant to support under-represented minority in STEM disciplines. NSF funded Collaborative Grant of \$5,000,000 to Rutgers University for nine institutions over five year: (WPUNJ awarded \$38,000) per year towards operation of our program, (2009-2014)

- ◆ Co-PI on US Department of Education grant to WPU: Teachers for a Competitive Tomorrow (TCT) for Mathematics and Science Teachers (MAST) Grant, (awarded \$1,065,888), (2008-2013)
- ◆ PI on American Chemical Society Project SEED Grant, [to supervise the mentoring of economically disadvantage students during summer 2007 at WPUNJ], (2007)
- ◆ Biomedical Science Careers Program, (BSCP) Honor Roll Mentorship Award, (1998)
- ◆ AAUW American Fellowship, \$24,500, (1995-96)
- ◆ Co-PI on NSF-ILI Grant for GC-MS, \$42,206, (1995)
- ◆ Co-PI on GTE Focus Grant for Minority Mentorship in Science Program, \$30,000, (1995)
- ◆ NECUSE Minority Mentorship in Science program, \$2400, (1996)
- ◆ Co-PI on GTE Focus Grant for Minority Mentorship in Science Program, \$30,000, (1997)
- ◆ NSF Minority Travel Grant to attend 5<sup>th</sup> National Conference of CUR, Bates College, Maine, (1994)
- ◆ Awarded Black Scholars of New England, University of Massachusetts-Boston, (1991)

#### **PROFESSIONAL SOCIETIES/ORGANIZATIONS:**

- Member of the NJ chapter American Council on Education (ACE) Network Board, (2008- present).
  - ◆ Elected NJACE-Net Treasurer, 2011.
- American Chemical Society (ACS) 1981- present
  - ◆ Elected Chair of the Northeastern Section of the American Chemical Society (NESACS), 2004
  - ◆ Elected Chair-elect of NESACS, 2003
  - ◆ Elected NESACS Councilor 2005-2008
  - ◆ Elected NESACS Alternate Councilor 1999-2002
  - ◆ Co-Chair of NESACS Peer Mentoring Program, 1998-2001
- Royal Society of Chemistry (RSC) 1975 – present
  - ◆ North America Liaison, 1987-1990, 1992-94
- Council on Undergraduate Research (CUR) 1986- present
  - ◆ Elected Councilor 1994-97, 1997-2000
  - ◆ CUR Speaker's Bureau Coordinator 1996-98
  - ◆ CUR Chemistry Scholar Committee, 1995-97
  - ◆ CUR Consultants Committee, 1995-2000, Chair 1999-2000
- Sigma Xi & American Association of University Women (AAUW)

#### **Courses Developed and Taught:**

- Design Physical Science II (an inquiry-based chemistry) course for WPUNJ Science Endorsement program for (K-8) teachers
- Co-developed & co-taught Senior Seminar course for Liberal Studies: Integrated Math/Science majors at WPUNJ
- General & Introductory Chemistry I & II, Organic Chemistry I & II
- Advanced Qualitative & Quantitative Organic Analysis
- Designed and taught One and Two Dimensional NMR Spectroscopy
- Designed and taught Multi-nuclear and Multidimensional NMR Spectroscopy
- Design and taught The Chemistry of Herbal Medicine, Chemistry of Natural Products
- Design and taught Interdisciplinary course: Mythology, Magic & Medicine as part of Wellesley College's First Year Students Cluster
- Taught Math/Science to incoming First-Year Students in Wellesley College's Summer Enrichment Program (SEP), (1988-93 & 1998-2000)
- Taught general and organic chemistry to Minority Pre-Med Students in Health Careers Program, Division of Biology & Medicine, Brown University, Providence, RI, summers (1986 & 1987)
- Design & taught course: *Jamaican Realities, Social, Political, Cultural and Historic Context*. Roxbury Community College, Boston, MA, (January - May, 1997)
- Design & taught course, *Concepts and Methods in Science: From Imhotep to McNair*. McNair Scholars Program Summer Institute, Salem State College, Salem, MA, summer (1993)



## PUBLICATIONS:

- Fuller-Stanley, J. Gershman, R.\* Flesco, L.\* and Medeiros, L.\* “*Si-29 NMR, FTIR and Computational Studies of Di-*t*-butylsilyl and Diisopropylsilyl Triflate, Trifluoroacetate and Chloride*”. (Manuscript under revision)
- Fuller-Stanley, Jean. *Earth's Atmosphere and Beyond. How the northeastern section of the American Chemical Society (NESACS) combined National Chemistry Week (NCW) activities with a tour of Wellesley College's greenhouses to excite young minds about science.* Wellesley College Friends of Horticulture, (Spring 2004) News.
- Fuller-Stanley, J. “*Make New Friends and Keep the Old: Linking past, present and future NESACS members.*” The Nucleus, Vol. LXXXI, No. 7 p.6, (March 2003).
- Fuller-Stanley, J. “*Retaining Minority Students in Science Departments: A Research-Centered Approach.*” AAAS, Minority Scientists Network, (September 2002). Website: <http://nextwave.sciencemag.org/cgi/content/full/2002/09/8?template=msp>
- Fuller-Stanley, J. Loehlin, J. Bolin, K.\* Fairbrother, G.\* and Nazaire, F.\* *NMR and X-ray Crystallographic Studies of the Conformation of a 3,4,6-Triphenyl--Lactone.* J. Org. Chem., 67, 27-31, (2002).
- Fuller-Stanley, Jean. Hamm, Patrica, *Mentoring Your Peers: Be Part of This New Paradigm.* The Nucleus, Vol. LXXVII, No.6 p. 6, (1999).
- Stanley, J. Dakin, S.\* Szabo, L.\* Posaw, L.\* Lee, C.\* and Hou, W.M.\* *A Convenient Preparation of Trans-3,4-Diphenyl and All Trans-2,3,4-Triphenylvalerolactone.* Org. Prep. & Procedures Int., 23: 193, (1991).
- Stanley, J. Matallana, A. and Kingsbury, C. *Correlation of Molecular Mechanics and NMR Data Conformation and Configuration of the Meerwein Lactones.* J. Physical Org. Chem., 3: 419, (1990).
- Stanley, J and Kingsbury, C. *Spectra of Isomeric Enols.* J. Org. Chem. 51: 2539, (1986).
- Peake, D. Stanley, J. Kingsbury, C. and Gross, M. *Collisional Activation of Keto-Enol Isomers.* Org. Mass. Spectrom. 21: 565, (1986).

## SELECTED CHEMISTRY RESEARCH PRESENTATIONS:

- Fuller-Stanley, J. Liu, M.\* Wang, J.\* & Molleur, H.\* *2-Methyl-2-di-*t*-butylsilyl and 2-Methyl-2-isopropylsilyl-1,3-Dithiane: <sup>13</sup>C, <sup>1</sup>H, <sup>29</sup>Si NMR and Computational Studies.* RSC 16<sup>th</sup> International Meeting; NMR Spectroscopy, University of Cambridge, UK, June 2003.
- Fuller-Stanley, J. *Bonding Models in Organosilicon Compounds: Revelations from Si-29, C-13 and H-1 NMR Spectroscopy of Isopropyl & *t*-Butyl Dithianes & Chlorides.* University of the West Indies-Mona Campus, Kingston, Jamaica, July 2002.
- Fuller-Stanley, J. Sinclair, N.\* and Dakin, S.\* *Formation of a Tetraphenyleyano -Lactam Via an unusual Michael Addition.* ACS National Meeting, San Francisco, CA, March 2000
- Fuller-Stanley, J. Adelowo, A.\* and Smith, B.\* *Computational Chemistry as a Vehicle for Minority Mentoring.* CUR 7<sup>th</sup> National Conference, Occidental College, CA, June 1998.
- Fuller-Stanley, J. *A Tale of two Alkyls: *T*-Butyl and Isopropylsilanes Relayed by NMR Spectroscopy.* College of the Holy Cross, Worcester, MA, January 1998.
- Stanley, J. O'Loughlin, J.\* Koren, A.\* McLeod, S.\* and Proctor, S.\* *<sup>29</sup>Si and <sup>1</sup>H NMR and IR Evidence in Support of Hydrogen Successfully Suppressing The Alkyl Groups' Hyperconjugative Ability in Dialkylsilanes.* 28<sup>th</sup> Organosilicon Symposium, Gainesville, FL, April 1995
- Stanley, J. Koren, A.\* and McLeod, S.\* *"The Use of Si-29 NMR and IR Spectroscopy in the Study of Bonding in DialkylBenzoylsilanes"*. 27<sup>th</sup> Organosilicon Symposium, R.P.I. Troy, NY, March 1994.
- Stanley, J. Bolin, K.\* Stewart, L.\* and Montali, J.\* *The Use of Si-29 NMR in the Study of (*d-p*) Bonding in Organosilicon Compounds.* X<sup>th</sup> International Symposium on Organosilicon Chemistry, Poznan, Poland, August 1993.

## **SELECTIONS OF OTHER PROFESSIONAL ACTIVITIES:**

- ◆ *Networking for Personal & Professional Development: The Role of Professional Societies*. Panelist; The Compact for Faculty Diversity, 18<sup>th</sup> Annual Institute on Teaching and Mentoring, hosted by Southern Regional Education Board (SREB), held in Atlanta, GA, October 2011.
- ◆ NSF Experimental Program to Stimulate Competitive Research (EPSCoR), 2 Reverse Site Visit Review Panels, Arlington, VA, August 11-12, 2011 & August 15-16, 2011.
- ◆ *Networking for Personal & Professional Development: The Role of Professional Societies*. Panelist; The Compact for Faculty Diversity, 17<sup>th</sup> Annual Institute on Teaching and Mentoring, hosted by Southern Regional Education Board (SREB), held in Tampa, FL, October 2010.
- ◆ *Academic Advisement: Confronting the Challenges and Exploring Alternative Models*; Organized and Chaired panel, at the Council of College of Arts & Sciences 44<sup>th</sup> Annual Meeting, Baltimore, MD, Nov. 2009.
- ◆ *Networking for Personal & Professional Development: The Role of Professional Societies*. Panelist; The Compact for Faculty Diversity, 16<sup>th</sup> Annual Institute on Teaching and Mentoring, hosted by SREB, held in Arlington, VA, Oct. 2009. (Presenter on this topic since 2003).
- ◆ NSF Experimental Program to Stimulate Competitive Research (EPSCoR), 2 Reverse Site Visit Review Panels, Arlington, VA, Sept. 9-10, 2009 & Sept. 17-18, 2009.
- ◆ *Supporting Student's Success through College-Level Advisement Initiatives at William Paterson University*. Co-Presenter, 16<sup>th</sup> Annual New Jersey NACADA Conference, WPUNJ, NJ, May 2008.
- ◆ *Constructing Your Career Agenda*. Panelist, Biomedical Science Careers Program (BSCP) Biannual Student Conference, Boston Park Plaza Hotel, Boston, MA. April 2008. (Panel Chair & Presenter on this topic since 1990.)
- ◆ NSF EPSCoR, Review panel, Washington DC, Feb. 2008.
- ◆ *Transitioning from Faculty to Administration*. Panelist; The Compact for Faculty Diversity, 14<sup>th</sup> Annual Institute on Teaching & Mentoring. Miami, FL, Oct. 2007.
- ◆ NIH Department of Health and Human Services, Center for Scientific Review, Special Emphasis Proposal Review Panels. Washington DC. Sept. 2007.
- ◆ Member of the Board: New Jersey Chapter of American Council on Education Network (NJ ACE NETWORK). June 2007-
- ◆ Served as Reviewer of NSF Proposal on, *Substituents and Solvents Effects on Amino-pyrrol*. April 2007.
- ◆ *Transitioning from Faculty to Administration*. Panelist; The Compact for Faculty Diversity, 13<sup>th</sup> Annual Institute on Teaching & Mentoring. Miami, FL, Oct. 2006.
- ◆ *Succeeding in High School & Preparing for College*. New England Board of Higher Education (NEBHE), Science Meeting, MIT, Cambridge, MA, Nov. 2005 & 2006. {Panelist and moderator since 1990}
- ◆ Served as Reviewer of NSF Proposal on *The Role and/or Effect of Solvents in Conformation of Molecular Systems by NMR and Computational Methods*. Sept. 2005.
- ◆ *Interactive Teaching & Collaborative Learning in the Chemistry Classroom*. Department of Chemistry, University of the West Indies-Mona Campus, Kingston, Jamaica. Jan. 2005.
- ◆ *The Role of Professional Societies in Student and Faculty Development*. The Compact for Faculty Diversity's 10<sup>th</sup> Annual Institute on Teaching & Mentoring, Southern Regional Education Board (SREB). New Radisson Hotel, Miami, FL. Oct. 2003.
- ◆ NIH Department of Health and Human Services, Center for Scientific Review, Special Emphasis Proposal Review Panels. Washington DC. March 2002, March 2001, March 2000 & March 1999.
- ◆ *The Leadership of Today & Tomorrow: Prominent Minority Professional Mentors in the Sciences*. Harvard Society of Black Scientists & Engineers, Cambridge, MA, Oct. 2001
- ◆ *Increasing Your Career Options*. McNair Scholars Program Fall 2000 Forum. Brandeis University, Waltham, MA, Oct. 2000.

- ◆NSF Chemical Research Instruments and Facilities (CRIF) Program, 400 MHz NMR Instrument Proposal Review. March 2000.
- ◆*Advancing Women and Minorities In Science, Engineering and Mathematics: Attracting and Keeping Young Women in the Sciences*. Harvard's Foundation 5<sup>th</sup> Annual Science Conference. ARCO Forum of Public Affairs, Harvard University, MA. March 1998.
- ◆*Mentoring Minority Students at Majority Institutions: A Research Centered Approach*. PKAL Women in Science Workshop, DePauw University, Greencastle, IN. Oct. 1998.
- ◆*Mentoring Minority Women in the Sciences at Wellesley College*. CUR 7<sup>th</sup> National Conference, Occidental College, Los Angeles, CA. June 1998.
- ◆*American Minorities in Science, Engineering and Mathematics in the Twenty First Century*. Harvard's Foundation 4<sup>th</sup> Annual Science Conference. ARCO Forum of Public Affairs, Harvard University, Cambridge, MA. April 1997.
- ◆*Retention of Minority Women in the Sciences Through Research and Mentorship*. CUR 6<sup>th</sup> National Conference, North Carolina Central University, Durham, NC, June 1996.
- ◆CUR Consultant member on Chemistry Department Visiting Committee, Sienna College, NY. March 1996.
- ◆*Wellesley College's Minority Mentoring in The Sciences Program as Retention Mechanism*. New England Regional Conference on the Retention of Minorities in Science. Smith College, Northampton, MA, January 1995.
- ◆*"Herbal Remedies from the Caribbean: Superstition or Fact."* Panelist; Alternative Medicinal Practices Among Caribbean People. Conference on The Caribbean, Eastern Connecticut State University, Willimantic, CT. October 1994.
- ◆*How to Succeed as a Black Woman Scientist*. Science and Engineering Roundtable. Black Women in the Academy: Defending Our Name 1894-1994 Conference, MIT, Cambridge, MA. January 1994.
- ◆Member, Advisory Board New England School of Optometry for the Optometry Careers Access Program. Beacon Street, Boston, MA, 1993-96.
- ◆Massachusetts Teacher Tests Validation
  - Chemistry Review Panel, March 1998
  - Massachusetts Teacher Tests Qualifying Score Conference, May 1998
  - Massachusetts Educator Certification Tests, Chemistry Scorer, January 1999
- ◆Participant in two Faculty Development Workshops at Wellesley College, led by Professor Michael Salemi, University of North Carolina: (1999)
  - "Promoting Critical Thinking in Classroom Discussion: Asking the Right Kinds of Questions."
  - "Classroom Discussion and Technical Material: Asking Students to Think like Scientists."
- ◆"Mentoring Through Research: The Minority Mentorship in Science Program at Wellesley College." Presentation given to Wellesley College Business Leadership Council, (1998)
- ◆"Diversity Initiatives at Wellesley College." Panel Presentation at Spring Open House, (1998)
- ◆Organized Faculty Panel Presentation for students on: Successful Strategies in the Study of Science, (1998)
- ◆Attended Freshman Experience Conference as part of Wellesley College First-Year Advising Team, Columbia, NC, 1998
- ◆Visiting Research Associate (Early Leave): Developed skills in tuning and optimizing conditions for the acquisition of Si-29 NMR spectroscopy experiments on organosilicon compounds. Department of Chemistry, Brown University, Providence, RI. 1988-1989.

**Talks given to Wellesley College Alumnae Clubs:**

- ◆ **March 1999.** *Myth, Magic and Medicine: The Chemistry of Herbal Remedies from the Caribbean*. Wellesley Alumnae Club, Southern California CA. & Wellesley Alumnae Club in Miami, FL.
- ◆ **March 1995.** *"Medical Practices and Remedies from the Third World."* **Wholeness and Healing: Connecting the Mind and Body Across Disciplines and Cultures**. Wellesley College Alumnae Association 3<sup>rd</sup> Annual Winter Symposium.

- ◆ **March 1995.** *Myth, Magic or Medicine: Scientific Contributions from The Third World.* Wellesley College Alumnae Club, Cincinnati, OH. & Cleveland Council on World Affairs, Cleveland, OH. & Wellesley College Alumnae Club, Columbus, OH.
- ◆ **September 1994.** "Herbal Remedies from the Jamaica: Superstition or fact?" Wellesley College Alumnae Club, New Canaan, CT.
- ◆ **June 1994.** *Myth, Magic or Medicine: Medicinal Practices and Remedies from the Third World. The Healing Arts: Medicine in Historical, Cultural and Political Perspective.* Wellesley College Alumnae Association Summer Symposium.
- ◆ **March 1994.** *The Shapes of -Lactones of Medicinal Interests.* High School Honors Seminar in Science, Dallas, TX.
- ◆ **November 1993.** *Myth, Magic or Medicine: Scientific Contributions from the Third World.* Wellesley College Alumnae Club, The Berkshires, MA. & Wellesley College Alumnae Club, Princeton, NJ.

#### **Sample Research Presentations by Students:**

- ◆ Soodoo, Natasha\*; Fuller-Stanley, Jean. *Computational Studies at the Semi-empirical Level on Dimethyl Silanes and the Carbon Analogues.* 6th Annual Northeast Student Conference, Boston University, Boston, MA, April 2004.
- ◆ Cable, Morgan L\*; Holm, Terese A\*; Fuller-Stanley, Jean. *NMR and Computational Studies of the Conformational Preferences of Silyl Dithianes.* ACS National Meeting, Anaheim, CA, March 2004.
- ◆ Hlatshwayo, Sikhululekile\*; Fuller-Stanley, Jean, *Extraction and Isolation of Capsaicinoids.* Wellesley College Summer Research Symposium, August 2003.
- ◆ Jardim, M.\* Duncan, K.\* Fuller-Stanley, J. *Molecular Modeling and The Investigation of the Shapes of Triphenyl-Delta-Lactones.* Ruhlman Conference, Wellesley College, MA, April 1999.
- ◆ Gershman, R.\* and Fuller-Stanley, J. *Si-29 and C-13 NMR Studies of Some Diisopropylsilanes.* ACS National Meeting, Anaheim, CA, March 1999.
- ◆ de Flesco, L.\* and Fuller-Stanley, J. *A Comparison of Si-29 and C-13 NMR .Studies with Theoretical Calculations for selected Di-tert-butylsilane.* ACS National Meeting, Anaheim, CA, March 1999.
- ◆ Liu, M.\* and Fuller-Stanley, J. *Si-29, C-13 and H-1 NMR of Some Di-tert-Butylsilanes.* ACS National Meeting, Dallas, TX, March 1998.
- ◆ Molleur, H.\* and Fuller-Stanley, J. *Silicon-29 NMR and Theoretical Studies of Diisopropylsilanes.* ACS National Meeting, San Francisco, CA, March 1997.

\* Undergraduates at time of research.

Mentored over 60 undergraduates through research from 1984 to 2005 while a faculty member at Wellesley College.

