

CURRICULUM VITAE

LAWRENCE MARVIN GETTLEMAN, B.A., D.M.D., M.S.D.

F.A.C.D., F.A.D.M., F.A.G.D., F.A.A.M.P., F.A.A.D.R., F.Σ.Σ.



INTERNET: 1° gettleman@louisville.edu 2° lawrence.gettleman@uth.tmc.edu 3° larrygettleman@gmail.com

WEB SITES: <https://louisville.edu/search?collection=uol1~sp-main&form=partial&profile=main-search&query=gettleman>
<https://linkedin.com/in/lawrence-gettleman-8b6868b/>

ACADEMIC POSITION: University of Texas Health Houston, School of Dentistry, Department of Restorative Dentistry and Prosthodontics, 7500 Cambridge Street, Suite 5350, Houston, Texas 77054.
Adjunct Associate Professor, July 29, 2024 – present.

EDUCATION: High School: Miami Beach High School, Miami Beach, Florida, 1954-1958.

Undergraduate: Rutgers College, College of Arts & Sciences, New Brunswick, New Jersey, 1958-1962.
Education Bachelor of Arts (B.A.), June 6, 1962 (Psychology). **Mentors:** Martin Agronsky (1915-1999); Dean Howard J. Crosby; (1919-1991). Pres. Mason W. Gross (1911-1977); Prof. Milton M. Schwartz, (1918-2010); Prof. Ralph DeFalco (1907-1971); Prof. John Krauskopf (1928-2016).

Pre-doctoral: Harvard School of Dental Medicine, Boston, Massachusetts, 1962-1966.
Education Doctor of Dental Medicine (D.M.D.), June 16, 1966. **Mentors:** Dean J. Howard Oaks (1930-1999); Prof. George Erickson, 1921-2009; Dr. Colin Dawes, 1935-2024 Prof. George Szabó (1921-1991); Prof. Harold Amos (1918-2003); Dean Paul Goldhaber (1924-2008); Mr. Richard L. Myerson (1921-2017); Mr. George Freedman (1921-2014); Prof. Rune Söremark (1926-); Dr. Douglas A. Atwood (1922-2010); Dr. Varaztad Kazanjian (1879-1974); Dr. Joseph H. Baron (1925-2013).

Post-doctoral: St. Louis University, School of Dentistry, Department of Crown and Bridge Prosthodontics,
Education St. Louis, Missouri, 1966-69; Graduate School, Master of Science in Dentistry (M.S.D.) degree in Crown and Bridge Prosthodontics, *Investigation and Development of Casting Gold Alloy Testing Procedures and Alloys Containing Low Levels of Addition Elements*. February 2, 1969 (N.I.D.R. Research Training Grant). Board-Eligible in Prosthodontics. **Mentors:** Prof. James D. Harrison (1925-2015), Dr. Max Kornfeld (1903-1993), Dr. Charles E. Stuart, (1900-1982).

Postgraduate Education: University of Missouri at Rolla, Graduate Engineering Center, St. Louis, Missouri.
Behavior of Metallic Materials 1967-68, **Mentor:** Prof. Anton deS. Brasunas (1919-2005).
Washington University, St. Louis, Sever Institute of Technology, Applied Polymer Science.
Mentor: Prof. Anthony T. DiBenedetto, 1968 (1931-).
American College of Dentists, Institute of Advanced Education in Dentistry, Pharmacology & Toxicology in Dental Systems. **Mentor:** Prof. John Autian, 1971 (1924-2015).
Massachusetts Institute of Technology, Cambridge, Massachusetts; Nonmetallic Materials. 1973-1973.
Mentors: Prof. Donald R. Uhlmann, (1936-); Prof. Robert M. Rose (1936-).
National Association of Corrosion Engineers, New Orleans, Louisiana; Basic Corrosion Course.
Mentor: Prof. Anton deS. Brasunas, (1919-2005).

FEDERAL SERVICE: United States Public Health Service.
Commissioned April 26, 1968 – December 31, 1970. Staff Dentist (LCDR, O-4), Senior Assistant Dental Surgeon, Service No. 31129, Division of Dental Health, BEMT, NIH, Dental Health Center, Materials & Technology Branch, Physical Testing Lab, Contract Project Officer, San Francisco, California 1968-70.
Mentors: Dr. Gunnar Ryge (1916-1991); Dr. Joseph P. Moffa, (1931-); Dr. John C. Greene (1926-2016); Dr. George M. Hollenback (1886-1973); Dr. Michael Buonocore, (1934-1996).
Inactive Reserve, January 1, 1971 - March 23, 2010. Dental Professional Advisory Committee (DePAC), *ex officio*, 2001-2019. Member, Career Development Subcommittee; Recruitment/Retention/Appointments Workgroup, 2004-2020. Co-editor of *Dental Recruitment Newsletter* 2007-2014. Dental Category Centennial Committee, 2018-2019. **Mentors:** Chief Dental Officers/RADMs Dushanka Kleinman; Christopher Halliday; Timothy Ricks.

DENTAL

Commonwealth of Massachusetts, No. 10386, 1966-1976.

LICENSURE:

State of Florida, No. 4094, 1966-2016.

State of Missouri, No. 10891, 1968-1970.

State of Louisiana, No. 3229, 1976-1990

Commonwealth of Kentucky, No. 6424, 1990-2025

PRIVATE PRACTICE:**Limited to Prosthodontics & Restorative Dentistry**

1. Harvard Group Dental Practice
Harvard School of Dental Medicine, 1971-1974.
2. 180 Beacon Street (Drs. James Sowles & Charles Trauring), Boston, Massachusetts; 1974-1976.
3. Intramural Dental Practice
LSU School of Dentistry, 1976-1980.
4. 4300 Houma Boulevard (Dr. Larry B. McMillen)
Metairie, Louisiana, 70006. 1980-1987.
5. 2825 Houma Boulevard (Dr. Ned Ganucheau),
Metairie, Louisiana, 70006. 1987-1989.
6. Faculty Private Practice (now UofL Dental Associates), 1990-2014.

ACADEMIC APPOINTMENTS:**(# Full-time appointments)**

Guest Lecturer, University of California, School of Dentistry, San Francisco, 1969-1970.

Guest Lecturer, University of the Pacific, School of Dentistry, San Francisco, 1969-1970.

Guest Lecturer, San Francisco City College, Dental Laboratory Technology, San Francisco, 1969-1970.

Instructor in Prosthetic Dentistry, Harvard School of Dental Medicine, Boston, 1971-1972, then**Assistant Professor of Prosthetic Dentistry, Harvard School of Dental Medicine, Harvard Faculty of Medicine, Boston, Massachusetts, 1972-1976. Mentor:** Douglas A. Atwood (1922-2010); Krishan K. Kapur, (1930-)Research Affiliate, Massachusetts Institute of Technology, Dept. of Materials Science and Engineering, Cambridge, Massachusetts, 1972-1976. **Mentors:** Robert M. Rose (1932-); Donald R. Uhlmann (1936-).

Affiliated Scientist, New England Regional Primate Research Center, Southborough, Massachusetts, 1973-1976.

Lecturer, Boston University School of Graduate Dentistry, Boston, Massachusetts, 1976-1978.

Associate Professor and Head, Department of Biomaterials, Louisiana State University School of Dentistry, New Orleans, Louisiana, 1976-80. Associate Clinical Professor, 1980. Tenured September 1, 1978. Mentors: Wilmer B. Eames (1914-2001); John W. McLean, OBE (1925-2009).**Senior Staff Associate, Polymer Department, Gulf South Research Institute, Lake Pontchartrain Laboratories, New Orleans, 1980-1987 (60% time). Mentors:** Paul D. May (1914-1980); Elias Klein (1924-2021). Israel Cabasso (1942-2014); H. Ralph Rawls (1935 -).

Adjunct Associate Professor, Adjunct Professor, Department of Biomedical Engineering, School of Engineering, Tulane University, New Orleans, Louisiana, 1977-1994.

Adjunct Professor, Department of Biological Materials, Northwestern University Dental School, Chicago, Illinois, 1981-87. **Mentors:** Evan H. Greener (1934 -); Eugene P. Lautenschlager (1940 - 2009).

Adjunct Assistant Professor, Department of Orthopaedics, Tulane Medical School, New Orleans, Louisiana, 1982-1993.

Adjunct Professor, Department of Mechanical Engineering, College of Engineering, University of New Orleans, New Orleans, Louisiana, 1987-94.

Professor of Prosthodontics & Biomaterials, School of Dentistry, University of Louisville, Louisville, Kentucky, 1990-2016. Tenured, January 1, 1992. Satisfactory post-tenure reviews, June 2001, June 2006, January 2011. Retired June 30, 2014. Emeritus July 1, 2016. Gratis Part-time 2014-21. Mentors: Richard L. Miller (1941-); Rowland A. Hutchinson (1932-2016); Ronald J. Doyle, (1932-2001); William J. Mansfield, Jr. (1926-2012).

School of Interdisciplinary & Graduate Studies Faculty, University of Louisville, 1990-2021.

Associate, Department of Chemical Engineering, Speed School of Engineering, University of Louisville, Louisville, Kentucky, 1992-2020.

Faculty Member, James Graham Brown Cancer Center, University of Louisville, Louisville, Kentucky 2001-2021.

OUTCOMES RESEARCH® Institute, General Member, University of Louisville, Louisville, Kentucky 2003-2008.

University of Texas Health Houston, School of Dentistry, Houston Center for Biomaterials & Biomimetics, Adjunct Senior Scientist, 2003-present.

ADMINISTRATIVE and TEACHING RESPONSIBILITIES: (* Course Director)**Harvard School of Dental Medicine, Boston, Massachusetts**

Admissions Committee.	United Way Chair.
Clinical Activities Committee.	Safety Committee.
Associate Chair, Alumni-Faculty Campaign.	TEAM Grant.
Prosthetics Lab & Clinic Supply Supervisor.	Dental Materials, 1971-1976.*
Harvard Dental Implant-Transplant Research Unit.	Fixed Prosthodontics, 1971-1976.
Group Dental Practice.	Removable Prosthodontics, 1971-1976.

Forsyth Dental Center, Boston, Massachusetts

Dental Materials Course for Dental Hygienists, 1972-1976.

Louisiana State University, School of Dentistry, New Orleans, Louisiana

Clinic Committee.	Conjoint Dental Materials Science for Freshman
<i>Ad Hoc</i> Casting Committee.	Dental Students.*
<i>Ad Hoc</i> Committee on Radiopaque Resins.	Dental Materials Science for Dental Assistants.
Faculty Council.	Dental Materials Science for Dental Laboratory
Research and Grants Committee.	Technicians. *
Animal Care Committee.	Oral Implants Elective Course.
Intramural Dental Practice Advisory Committee.	Advanced Fabrication Procedures for
Subcommittee on Disability Insurance.	Cast Gold Restorations Elective.
Dental Materials Science for Dental Hygienists.	Dental Materials Science for
Originator, Great Moments in Biomaterials	Postdoctoral Prosthodontic Students.
Lecture Series.	Advanced Dental Materials Science Elective.

Jefferson Community & Technical College, Louisville, Kentucky

Allied Dental Technology, Adult Personnel Training Programs Advisory Council, 1996-1998.

University of Louisville, School of Dentistry, Louisville, Kentucky

- Faculty Assembly; Research Committee, 1990-1995, 2001-2006, 2009-2011, 2011-2015.
- Biomaterials for Prosthodontists (**PROS 0683-950-01, 02**), 1991-1992, 1993-1994, 1995-1996, 1998-1999, 2000-2001.*
- Student Research Group Advisor, 1991-2001.
- Acting Associate Dean for Research, 1991-1992.
- Senior Selective Course in Biomaterials, 1992, 1995, 1996.
- Lecturer, Advanced Concepts in Dentistry I & II, 1993, 1994, 1995.
- Laser Education Committee, 1993-2004.
- Continuing Education Committee, 1993-1996.
- Promotions, Appointments, and Tenure Committee, 1993-1995.
- Co-director, Scientific Method in Dentistry. (**IDSC 0619-800-02**), freshman dental students 1995-96.
- Environmental Control Committee, 1994-1996.
- Southern Association of Colleges and Schools, Institutional Self-Study Committee on Organization, Administration, and Corporate Entities. Subcommittees on Institutional Advancement, and on Governing Board, 1995-1997.
- Faculty Personnel Committee, 1995-1996.
- Co-director, Scientific Method in Dentistry.
- Clinic Operations & Patient Care Committee 1997-2000.
- Informatics Committee, 1997-2001.
- Dental Materials Science, D1 students, 1997.
- Simulation Clinic Committee, 1998.
- Senator, UofL Faculty Senate, (dental school delegate) 1994-2006.
- Faculty Grievance Committee 1999-2005.
- Committee on Libraries, 2005-2013.
- The Lively Art of Opera course, School of Music, (**MUS 5420-563-22**), Lecture: "Schickele Spoofs on Opera," Novemberkornhauser 18, 1997.
- Clinician, Louisville Dixie Health Center, 1999-2002.
- Orthodontic Biomechanics, orthodontic materials, 2001.
- *Ad Hoc* Private Practice Plan Committee, 2005-2006.
- United Way Committee, 2000-2002.
- Oral Biology Seminar (**OBIO 0635-606-01**), oral biology students 1999-2000, 2005-2008.
- Biological Sciences Review course, 2003-2004.
- Intro to Oral Biology Research (**OBIO 601-01**), 2009-2016.
- Advanced Implantology for postdoctoral students, 2000-09.
- Advanced Education in General Dentistry, mentor, 2000, '02, '03.
- Fund for the Arts Unit Representative, 2003-2006.
- Southern Assoc. of Colleges and Schools, Committee on Library and Other Learning Resources, 2005-2007.
- ULSD Faculty Assembly Executive Committee, 2005-2006, 2009-2014, Secretary 2009-2011; 2013-2014.
- Representative of part-time faculty, 2015.
- Correlated Sciences (**SUHD 800-01**) MSOB students 2005-2015. D.S. Darling & D.A. Scott, directors.
- Preview to Dentistry, pre-dental students (**BIOL 390-01**) 2005-2007, (**BIOL 396-01**), 2010-11.
- Introduction to Fundamentals of Biomedical Sciences; Summer Medical & Dental Education

- Program (PHZB 215), 2006.
- Dental School Volunteer Captain, 2006-2007.
 - Medical Education Research Team, 2006-2007.
 - Research Self-Study Accreditation Committee, 2007-2008.
 - Committee for the Review of Individual Financial Interests in Research, 2008-13.
 - Sullivan University, College of Pharmacy, 'Pharmaceutical Infecta Training Program for Life Science Sciences, Experiential Education (PBS 678), 2009-2010. Innovators, 2016.
 - ULSD Conflict of Interest/Vendor Relations Committee, 2008-2013.
 - Clinical Complete Dentures
 - (DSPR 823-05; 825-05; 821-04), 2011-2016.
 - Speed School of Engineering, Chemical Engineering, Chemical Engineering Seminar (CHE 595 & 695), 2010.
 - Introduction to Indirect Restorations (DSPR 815-03 & 816-05), 2011-2012.
 - UofL Cares Committee, 2011-2013.
 - American Association of Public Health Dentistry, Louisville Student Chapter co-advisor, 2017-2020.
 - Campus Security Authority, 2021

PROFESSIONAL ORGANIZATIONS, SERVICE COMMITTEES, and OFFICES:

National Model Railroad Association, 1952-1958.

Music & Band Camp, University of Miami, Coral Gables, FL; •Bb clarinet, summers 1953, 1955. **Mentors:** Henry Fillmore (1881-1956), Resident Conductor & Composer; •Bb clarinet: Laurence Tremblay (1905-1978).

Science Camp, Florida State University, Tallahassee, FL; summer 1957. **Mentor:** Prof. Stephen S. Winters, (1920-2003).

American Dental Association, 1963-present. **Life member.**

- ADA Clinical Evaluators (ACE) Panel 2005-2015; 2017-present.
- ADA Standards Committee on Dental Products (formerly Accredited Standards Committee MD156 for Dental Materials, Instruments and Equipment). 96% voting record. **Mentors:** Marjorie L. Swartz (1924-2014); Clyde E. Ingersoll (1918-2011).
- Representative of the American Association of Dental Schools, 1983-1988, 1991-1993.
- Representative of the American College of Prosthodontists [with Kenneth L. Rudd (1916-2013)], 1998-2027.
- **Member**, Sub-TAG 1 Restorative & Orthodontic Materials; Sub-TAG 2, Prosthodontic Materials; Sub-TAG 3 Dental Terminology; Sub-TAG 8 Dental Implants. •**Observer** Sub-TAG 4 Dental Instruments.

• **Member**, Standards Working Groups for: Alloy for Dental Amalgam, ANSI/ADA Spec. No. 1 & No. 6 for Dental Mercury (WG1.2), 2003, Amalgam Recycling (WG1.59), 2005-present; Direct Filling Resins, ANSI/ADA Spec. No. 27, 1969-1976. Casting Alloys, ANSI/ADA Spec. No. 5, (WG2.13) 1970-present. Porcelain and Metal-Ceramic Systems, Standard No. 69 for Dental Ceramic; ANSI/ADA Spec. No. 38 (WG2.20), 1973-present. Non-Aqueous Impression Materials, ANSI/ADA Spec. No. 19 (WG2.10), 1975-present. Dental Implants, ANSI/ADA Spec. No. 40 & Biological Aspects of Implants (WG8.46), 1980-present. Impression Materials (WG2.10), Dental Impression Compound, Spec. No. 3, 1977-present. Rigid Dental Impression Paste, ANSI/ADA Spec. No. 16, 1979-present. Artificial Teeth, Crown and Bridge Resin ANSI/ADA Spec. Nos. 15, 45, and 53 (WG2.11) 1981-present. Tarnish-Corrosion (WG2.21), 1976-present. Biological Evaluation, ANSI/ADA Document No. 41 (JWG 1), 1987-present. Denture Base Resin and Resilient Liners, ANSI/ADA Spec. No. 75 (WG2.15), 1987-present. Barrier Products for Infection Control, ANSI/ADA Spec. No. 76, 1988-2000. Magnets and Keepers for Intraoral Retainers for Prosthetic Restorations, Chair, 1991-1998. Content of a Technical File, (WG8.48) 2000-present. ANSI/ADA Spec. No. 33 on Terminology (WG8.50), 1993-present. Subcommittee 9, WG-5, Dental Dam, 1996-2000. Spec. 7 & 32, Wires in Dentistry, 1996-2000. Endodontic Posts (WG1.6), 2003-05. Athletic Mouth Protectors (WG2.12), 1998-present. Wear Test Methods (WG2.23), 2003-present. *Ad hoc* Task Force

on Labeling & Traceability, 2003-present. Chair 2012-present. *Ad hoc* Committee on Disinfection & Sterilization of Dental Products, 2004-present. Dental Amalgam Capsules, ANSI/ADA Spec. No. 106 (WG-106), 2004-2005. Electrically Powered Dental Amalgamators ANSI/ADA Spec. No. 43, (WG 6.34), 2003-2005. Proposed ANSI/ADA Spec. No. 104 for Extraoral Maxillofacial Prosthetic Materials (WG 2.16), Chair, 2006-present. Joint SCDP/SCDI Working Group on Infection Control, 2010-present. *Ad hoc* Group Developing Performance Standards, 2011-present. Definition of New Terms, WG3.24, 2011-present. Harmonization of Dental Codes and Abbreviations, WG3.25, 2011-present. Revision of ISO 1942 Terminology and Addenda, 2011-present. Member, ADA Standard No. 2000 Systematized Nomenclature of Dentistry (SNODENT) Canvas Committee, 2015-present. WG 2.15 be changed from Denture Base Resin, Resilient Liners, Artificial Teeth and Crown and Bridge Resin to Indirect Resin and Polymer Materials, 1981-present. SC3/WG 5 Terminology for Forensic Orofacial Data, 2020-2022. *Ad Hoc* Group on Topics Related to Instructions for Use, Marking, Labeling, and Packaging, 2020-present.

ADA Standards Consensus Body No. 1, Restorative & Orthodontic Materials, Voting Member. No. 4, Dental Instruments, Voting Member. No. 6, Dental Equipment, Observer. No. 11, Dental Structure & Exchange, Voting Member. WG 4.31, Dental Rotary Instruments. WG No. 2.13 Casting Alloys, Consumer. WG No. 1.3: Polymer-

Based Restorative Materials. ISO/TC 106/SC 8/AHG 1–Gap Measurement Analysis Testing

- **Member:** ADA Standards Committee on Dental Informatics, WG 11.1, Standard Clinical Data Architecture, 2019-**present**.
- Consultant to the ADA Joint Commission on National Dental Examinations, •Test Question Committees in Operative Dentistry, 1976-1980; •Denturists (State of Maine) 1978; •Prosthodontics, 1981; •Dental Materials, 1976-1980. •Alternate test constructor on the National Board Operative Dentistry Test Construction Committee, 2012-2017.
Mentor: Dr. Roland W. Dykema (1924-2005).
- **Test constructor, American Dental Association, Joint Commission on National Dental Examinations • Integrated National Board Dental Examination (INBDE, Group G); • Dental Licensure Objective Structured Clinical Examination, (DLOSCE, Removable Prosthodontics/Implants), 2019. Active 2024 – present.**
- Consultant to the ADA Council on Scientific Affairs, 2013-2016.
- California Dental Association, 1968-1970; •San Francisco Dental Society, 1968-1970.
- Massachusetts Dental Assoc., 1971-1976; •Metropolitan District Dental Society, 1971-1976.
- Louisiana Dental Association, 1977-1989.
- New Orleans Dental Association, 1977-1989; •Delegate to Louisiana Dental Association, 1982-1989;
- New Orleans Dental Conference Committee, 1982-1984; Host, Gordon J. Christensen, 1979; •Honor Dentist Committee, 1988-1989; •Chair, Peer Review Committee, 1989.
- Evidence-Based Dentistry Champions Conference, American Dental Association, Chicago, April 2013.
- Kentucky Dental Association, Fifty-Year Member, 1990-**present**. • Town & Gown Committee, 2013–2014.
- Louisville Dental Society, 1990-**present**. • Science Fair Committee chair, 1991-2020; • State Fair cancer screening preceptor, 1991-2018. •Community Service Committee, 1993-1995. • Smile Kentucky! program, 2002-2016. • Representative to the Louisville Water Company's Customer Advisory Council, 2002-2015. • Community Service & Dental Health Committee, 2007-2021, Chair, 2013-16. • Dental Trade & Laboratory Relations Committee, 2013-2016, Chair 2013-2016. • Dental Free Smiles van treatment crew, 2016-2020.
- Texas Dental Association, • Greater Houston Dental Society, • Dental Health Committee, 2021-**2022**; Chair **2023-2024**; Concierge host, SmileCon ADA Meeting, 2022, 2024.
- International Association for Dental Research, 1966-**present**. **Fellow**, 2016.
- Nominating Committee, 2011-14; Awards Review Committee, 2016-2019.
- American Association for Dental, Oral, and Craniofacial Research, 1966-**present**. Cohort, National Affairs Committee, 1979-**present**; Legislative Advocacy Day, **2022**. Exhibits Committee, 1991-1994; Fellowships Committee, 2007-2010; Nominating Committee 2010-2013 (chair 2013). Editorial Board, *Journal of Dental Research*, 2006-2008. Constitution Committee, 2017-2019 (chair 2018); Awards Review Committee, 2016-2019. Name Strategy Focus Group, 2018-2021. Fellows Review Committee, 2019-22. Ethics in Dental Research Committee, 2020-**23** (chair 2022-2023). Mentoring an Inclusive Network for a Diverse Workforce of the Future (AADR MIND the Future) program, 2016-2021. **Mentors:** Ralph W. Philips, 1918-2001. Gert Quigley, 1927-2014.
- Boston Section 1971-1976, • President, 1976-1977.
- New Orleans Section, 1976-1990, • President, 1979-1980; Alternate Councilor, 1981-1984, 1985-1989; • Local Arrangement Committee 1979 & 1982, Science Fair Committee Chair 1986-1990.
- Louisville Section, 1990-**present**. President, 1991-2000; Student Research Group advisor, 1990-2001; Councilor, 2000-2021. Treasurer, 2010-2021.
- Dental Materials Group, I.A.D.R., 1967-**present**. Wilmer Souder Award Committee, 1973-1974; Chair, Speaker's Bureau Committee, 1973-1974; Chair, Membership Committee, 1976-1979; Chair, Local Arrangements Committee, 1978-1979, 1981-1982; Chair, Public Relations Committee, 1981-1982; Constitution and Bylaws Committee, 1982-1985, Chair, 1984. Abstract Review Committees 2001, 2005-2007. Treasurer, DMG Chapter-America, 2001-2005. DMGCA, Terminal President, 2005-2006. Interim Advisory Board, 2008-2009. Membership Chair, 2008-2009. Local Arrangements Committee, 2008-09. Group Program Chair (polymers, metals), 2009-2012.
- Prosthodontics Research Group, I.A.D.R., charter member, 1974-**present**. Director, 1980-84. Advisory Panel, 2009-13.
- Implantology Research Group, I.A.D.R., 1984-2004.
- Harvard Dental Alumni Association, 1966-**present**. • Class of '66 Agent, 1971-1972, 1981-1988, 1995-1997, 2006, 2016, 2023; • Nathan Cooley Keep Society, 2010-**present**; • 50th Reunion Committee 2016-2021.
- American Society for Metals, 1968-1974.
- American Society for Materials International, 1995-1998.
- American Society for Testing and Materials, 1968-1975. • Committee F4 on Medical & Surgical Materials and Devices, 1972-1976.
- American Association for the Advancement of Science, 1968-1972.

Yankee Dental Conference, 1st Organizing Committee, host of J.J. Pindborg, 1975.

American Dental Education Association (formerly AADS), 1971-**present**.

- Biomaterials Section; • Secretary 1997-1998, •Chair-Elect 1998-1999, • Chair 1999-2000.
- Fixed Prosthodontics Section; •Dental Laboratory Technology Section; • Removable Prosthodontics Section.
- Representative to ADA Accredited Standards Committee MD156, 1983-1988, 1991-1993.
- Career Development for Faculty Leaders Summer Program, Santa Cruz, CA, 1997.

Greater Boston Dental Society, 1972-1976.

Harvard Odontological Society, 1972-2001.

DeVry Institute of Technology, Bell & Howell Schools, VA-GI Bill courses in electronics, 1973-1975.

American College of Prosthodontists, Member, 1972-**present**. Retired Life Member, 2017.

- Committee on Color and Color Matching, 1973-1978, • Local Arrangements Committee, 1977, • Research Committee, 1980-1982, 1984-1986; • Prosthodontic Nomenclature Committee, 1984-1987. • President, Kentucky Chapter, 1997-1998.
- Representative to ADA Standards Consensus Bodies on Dental Products, 1998-**2024**.

Northeastern Prosthodontics Society (I.R. Hardy Prosthetic Conference), 1972-1976.

Federation of Prosthodontic Organizations, 1972-1986, 1990-1994.

Academy of General Dentistry, 1974-1980, **Fellow**, 1980.

Society for Biomaterials, charter member, 1974-2014. Retired/Senior member, 2014-**present**.

- Finance Committee, Chair 1977-78, •1981-1983; Liaison Committee, 1980-1981; • Membership Committee, 1980-1983;
- Standards Committee, 1981-1983; • Publications Committee, Chair, 1983-1984; • Long-Range Planning Committee, 1986-1988; • Nominating Committee, 1988-1989; • Dental/Craniofacial Biomaterials Special Interest Group, 1990-**present**.
- Career Mentoring Program, 2018-**present**.

Harvard Dental Alumni-Faculty Campaign; • Associate Chair, Second Century Fund, 1976-1983.

American Academy for Plastics Research in Dentistry, 1982-1983.

Academy of Dental Materials, charter member, 1983-**present**. **Fellow**, 1983, Emeritus Life Member, 2020.

- Student Awards Committee, 1983-1987; • Incorporation Committee, 1984; • By-Laws Committee, 1983-1987;
- President-Elect, 1983-1984; • President, 1985-1987; • Founding Editorial Board, *Dental Materials*, 1985-1991; • Program Co-Chair, "International Conference on Oral Metallic Interactions: The Measurement and Consequences of Tarnish and Corrosion of Dental Materials", Callaway Gardens, Georgia, Oct.18-20, 1984; • Program Chair, "Color in Dentistry," • Program Chair, "CAD/CAM in Dentistry," Northwestern Univ., Chicago, 1985; • Program Co-Chair, "Adhesive Prosthodontics," June 24, 1986, Amsterdam, Netherlands. • Program Co-Chair, "Materials Research in Maxillofacial Prosthetics," Ritz-Carlton Hotel, Chicago, Feb. 14, 1992.

Comité Scientifique, Colloque European, *Corrosion et Degradation des Biomateriaux et Leurs Incidences Cliniques*, Strasbourg, 1983-1984.

Alpha Omega (AΩ) International Dental Society (formerly Fraternity), 1985-**present**. • Certificate of Merit Subcommittee, 2018.

- Louisiana Chapter, •Founder and Secretary-Treasurer, 1985-1988.
- Louisville Chapter, 1990-2021. • Vice President, 1993-1994; • President, 1994-1995; • Phi (Φ) Student Chapter founder & co-advisor, 1996-2021. • AO Handmakers at the St. James Court Art Show, 2002-2019.

President, Louisiana Research & Development, Inc. (LARD) c/o Alan Emerman, CPA, 1812 Clearview Parkway, Metairie, Louisiana 70001, (504) 455-1643, 1987-**present**.

Sigma Xi (ΣΞ), The Scientific Research Honor Society, 1986-**present**. Committee on Meetings, 2005-2007.

- New Orleans Chapter 1986-1990. • Louisville Chapter 1990-2021. • Festival of Science for Girl Scouts, 1995, 1998;
- President-elect & Program Chair, 1996-1997; • President, 1997-1998; • Treasurer, 1998-2021. • Originator & judge, Louisville Regional Science & Engineering Fair and duPont Manual High School Science Fair Sigma Xi Awards, 1995-2017. • Sigma Xi judge, International Science & Engineering Fair, 2002. **Fellow**, 2022. **Mentor**: Subrata Saha (1942-).
- Rice University/Texas Medical Center Chapter, 2022-**present**. Board member, 2023-**present**.

American College of Dentists, 1989-**present**. **Fellow**, 1989. • Life member, 2012. • Editor, *ACD Kentucky* 2014-2016.

Phi Delta (ΦΔ) Honorary Prosthodontic Society, University of Louisville, School of Dentistry, 1990-2015.

Friends of the Kornhauser Health Sciences Library, University of Louisville, 1991-2021. • Board of Directors 1996-2021.

- President 1999-2000, 2003-2004.

Southeastern Academy of Prosthodontics, 1991-2001. • Program chair & host in Louisville, 1994.

U.S. Metric Association, 1993-97, 2003-2021.

American Association of University Professors, 1995-2008.

Materials Research Society, 1993.

Academy of Laser Dentistry (Associate Member) 1998.

American Academy of Maxillofacial Prosthetics, Associate Fellow, 2001-**present**. **Fellow**, 2011.

- Materials & Devices Committee 2002-2015. • Publications Committee, 2009-2015.

Society for Clinical Trials, 2004-2008.

Academy for Sports Dentistry, ULSD faculty representative, 2008-2021.

Kentucky Academy of Science, 2012-2021.

Crimson Compass Career Networking, Harvard University, 2012-present.

Kentucky Oral Health Coalition, 2014-2016.

American Academy of Public Health Dentistry, co-advisor of ULSD student chapter, 2018-2021.

International Association of Aerospace Dentistry, 2023-present.

CONTRIBUTOR TO:

- *Oral Research Abstracts*: Abstractor for the *Journal of Biomedical Materials Research*, 1970-1978.
- Gordon Research Conference, Biomaterials, Charles Homsy, convener. Tilden Academy, N.H., July 1973.
- Consultant, Arthur D. Little Co., maxillofacial prosthetic block copolymer grant proposal, 1974.
- Task Group of the Commission on Dental Materials, Instruments, Equipment and Therapeutics, Federation Dentaire International, for the Revision of ISO Recommendation R1562, Dental Casting Gold Alloy.
- **Editorial Board (charter member), *Dental Materials*, 1983-1991.**
- Editorial Board, *Journal of Biomedical Materials Research – Part B, Applied Biomaterials*, 1992-2023.
- Editorial Board, *Journal of Dental Technology*, 1996-1999.
- Health Professionals Follow-Up Study (HPFS), Harvard T.H. Chan Sch. of Public Health, participant #17288547, 1986-present.
- Clinical Evaluator, Clinical Research Associates, Provo, Utah, 1980-1987. **Mentor**: Dr. Gordon J. Christensen (1936 -).
- Southern Biomedical Engineering Conference, Steering Committee, 1981-2000.
- Expert Testimony, Technical Advisory Service for Attorneys, Ft. Washington, Pennsylvania, 1984-present.
- Academy of Denture Prosthetics committee, "Glossary of Prosthodontic Terms," 5th ed., 1987. Jack D. Preston, chair. *J. Prosthet. Dent.* 58: 713-762, 1987.
- Expert Testimony, Medical Quality Foundation, Herndon, Virginia, 1989-present.
- Expert Testimony, Medically Dedicated Inc., Herndon, Virginia, 1990-present.
- Consultant, SBIR Study Section to the National Inst. of Child Health & Human Development, NIH, 1995.
- Expert Testimony, FDA Dental Device Panel, for the Mentholatum Company, 1996-1997.
- **NIH Special Emphasis Panels, Oral Medicine and Biology SBIR/STTR and regular Study Sections to the Center for Scientific Review, National Institute of Dental & Craniofacial Research, 1984, 1985, 1998; 1999; March 2000 (chair); July 2000; July 2001; October 2001 (chair); July 2002 (chair); August 2003; May 2005; June 2006; October 2006 (chair); April 2007; December 2007; June 2008; July 2008, December 2008, May 2009, December 2009, March 2010.**
- Editorial Board (charter member), *Dental Materials Journal* (Japan), 2001-present.
- **U.S. Public Health Service, Dental Professional Advisory Committee (DePAC), ex officio, 2001-2019;** Member, Career Development Subcommittee; Co-editor of *Dental Recruitment Newsletter* 2007-2013; Recruitment/Retention/Appointments Workgroup, 2002-2021.
- Editorial Board, *Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry*, 2003-present.
- American Dental Association Clinical Evaluator (ACE) Panel, *ADA Professional Product Report*, 2005-present.
- **Editorial Board, *Journal of Dental Research*, 2006-2008.**
- Editorial Board, *The Open Dentistry Journal*, Bentham Science Publishers, 2007-2010.
- **Remote Area Medical (RAM) Volunteer Corps**, Mobile Tactical Dentistry. Director of Prosthodontics, 2008-2013. Expeditions to: Pikeville, KY: June 2008, June 2009, June 2010; June 2012; Oneida, TN, January 2011. Somerset, KY, September 2012. Greenup County, KY, June 2013. **Mentor**: Stan Brock, 1936-2018.
- **Materials Science Technology, Inc., Scientific Advisory Board, Conroe, TX, 2008-2012.**
- Editorial Board (charter member), *International Journal of Oral Science* (Chengdu, China), 2008-present.
- Medical Reserve Corps responder, Louisville Metro Department of Public Health & Wellness, 2009-2021.
- Honorary Editorial Board, Dove Press: *Clinical Audit*, 2009-present. *Medical Devices: Evidence and Research*, 2010-present.
- Prosthodontic Research Group, Int'l. Association for Dental Research, Counseling Group, 2009-present.
- Honorary Editorial Board, *Patient Related Outcome Measures*, (Auckland, NZ), 2009-present.
- Consultant, Guidepoint Global Research Advisors, Inc., 2009-present.
- Editorial Board, *Journal of Anaplastology*, 2011-present.
- Editorial Board, *International Journal of Science and Engineering Applications*, 2012-present.
- Editorial Board, *World Journal of Stomatology* (Baishideng Publishing Group, China), 2012-2018.
- **Consultant, Kuwait University, Faculty of Dentistry and College of Graduate Studies, master's degree program in dental materials, Brian W. Darvell, 2012. • Grant referee (10), 2016, 2018, 2020, 2021, 2022, 2023, 2025.**
- Member, International Team for Implantology (ITI), 2012- 2015.
- Editorial Board, *Oral Biology and Dentistry*, 2013-2016.
- Member, National Dental Practice-Based Research Network, 2013-present.
- Editorial Board, *International Journal of Cancer Research & Diagnosis*, 2013-present.

- Speaker, MedTech Polymers Conference, Medical Devices & Diagnostic Industry, Houston, TX, “Bio-medical elastomers: clinical trials using polyphosphazenes & chlorinated polyethylene,” Oct. 15, 2013.
- Editorial Board, *Applied Scientific Reports* (Herbert, UK), 2013–present.
- Editorial Board, *Journal of Oral and Dental Research*, 2014–present.
- Editorial Board, *Journal of Oral Biology* (Avens, Berlin), 2014–present.
- Editorial Board, *Archives of Oral and Dental Research* (Vernon, Edinburgh), 2014–present.
- Editorial Board, *International Journal of Dentistry and Oral Science* (SciDoc, Lewes, DE), 2014–present.
- Editorial Board, *Journal of Dentistry and Oral Care* (Ommega, Herndon, VA), 2014–present.
- Editorial Board, *Dental Implants and Dentures: Open Access* (Foster City, CA), 2015–present.
- Editorial Board, *Journal of the International Oral Research Society* (Elazığ, Turkey), 2016–present.
- International Oral Research Society, member, 2016–present.
- Editorial Board, *Kenkyu Journal of Dental Science and Research* (Japan), 2016–present.
- Editorial Board, *Journal of Dental & Oral Health* (OPAST Group, Overland, KS) (Kenkyu), 2016–present.
- Recent reviewer for *Journal of Prosthetic Dentistry* (82); *Journal of Prosthodontics*; *Dental Materials Journal*; *Medical Devices: Evidence & Research*; *Journal of the American Dental Association*; *Journal of Dental Research*; *Oral Biology & Dentistry*; *Journal of Multidisciplinary Healthcare*; *Journal of Biomedical Materials Research* (14); *Biomaterials & Tissue Technology*; *Journal of Oral Biology, Pharmacy, Materials*; *Journal of Dentistry*, *Dentistry Journal* (3); *Journal of the California Dental Association* (6); *Journal of Esthetic & Restorative Dentistry*; *Nature Materials Reviews*; *Regenerative Engineering and Translational Medicine* (2); *Journal of Dental Education* (6); *Prosthesis* (4); *International Journal of Polymer Analysis and Characterization*; *Bioengineering*.
- **Special Emphasis Panel/Scientific Review Group, Scientific Merit Review Board, Department of Veterans Affairs, Rehabilitation Engineering & Prosthetics/Orthotics, Rehabilitation Research and Development Service, RFA/PA:RX17-001, -002, February 28, 2017; August 2, 2017.**
- Co-advisor, Louisville Student Chapter, American Association of Public Health Dentistry, 2017-2021.
- Sigma-Aldrich Global Advisors, 2017-2021.
- Editorial Board, *Journal of Medical and Dental Research*, Omics International, 2017-2020.
- Conrad Spirit of Innovation Challenge Team, Pete Conrad Foundation, judge, 2018.
- **Special Emphasis Panel, Support of Competitive Research (SCORE) SC1, SC2, & SC3, National Institute of General Medical Sciences, PAR-16-439, 2019/01 ZGM1 RCB-3 (SC), Nov. 14, 2018.**
- Multiple Myeloma Research Foundation: Research Consortium, CureCloud, SmartCure, CoMMpass, MCROWD studies.

SPECIAL HONORS and AWARDS:

Eagle Scout, March 1955. Mentors: Albert N. Coopersmith (1918-1978), Charles E. Gettleman (1914-1982).

Fourth South Florida Science Fair, 1958. First Place, Physical Sciences. “Polarographic Fluid Analyzer.”

National Science Fair finalist, Flint, Michigan, 1958. Fourth Place, Physical Sciences. No. 42, “Polarographic Fluid Analyzer,” (now liquid ellipsometry). Mentor, Lois C. Allsworth (1921-2005).

- Society for Science Blog: Alumni, Intel ISEF. <https://www.societyforscience.org/content/ssp-blog/society-alumnus-becomes-long-time-regional-science-fair-volunteer>

Soma Weiss Student Research Competition, “Studies on a New Dental Casting Gold Alloy.” Harvard Medical School, 1966.

Dr. Grace Milliken Award in Research, Harvard School of Dental Medicine, 1966.

Listed in *Who's Who in Health Care*, 1st edition, 1978.

Listed in *American Men and Women of Science*, 14th edition, 1979.

Fellow, Academy of General Dentistry, 1980.

Listed in *Directory of Biomedical Engineers*.

Listed in *Who's Who in Science and Engineering*, 1st through 6th editions (1978-2002).

Penile Implant Award, Dental Materials Group, IADR, 1982.

Fellow, Academy of Dental Materials, 1983.

Listed in *Men of Achievement*, 10th edition, 1983.

Listed in *Who's Who in Louisiana*, 1983.

Listed in *Personalities of America*, 3rd edition, 1984; 4th edition, 1985.

Cal Magazine, For Dentists Only Photo Contest, Second Place, color, 1985.

Centro de Estudio Ceramica Dental, “Orden de Bisagra,” Buenos Aires, August 5, 1986.

Metropolitan Opera Quiz winner, February 1989.

Fellow, American College of Dentists, 1989.

Listed in *Who's Who in the South and Southwest*, 23rd, 24th & 25th editions, 1993-97.

Listed in *Dictionary of International Biography*, 1993, 1994, 1995.

Listed in *Who Will Be Who in the 21st Century*, 1993, 1995.

Mercedes-Benz Club of America, Bluegrass Stars Section, Member of the Year, 1993, 1998; Officer of the Year, 2007.

Honorable Order of Kentucky Colonels, 1994-2021.

Honorary Captain, Steamship *Belle of Louisville*, 1994.

Distinguished Service Award (with Ricky), University Club, Louisville, KY, 1998.

Listed in *Who's Who in Polymers and Plastics*, 1999.

Friends of the National Institute of Dental Research, Charter Member 2000-2015.

Listed in *Who's Who of Professionals*, 2000.

Listed in *Who's Who in Executives and Business*, 2000.

Listed in *Outstanding People of the 20th Century*, 2nd edition, 2000.

Listed in *Strathmore's Who's Who*, 2003-04.

Listed in *America's Registry of Outstanding Professionals*, 2005-2007.

Listed in *Who's Who in Medicine and Healthcare*, 4th edition, 2002-03, 6th edition, 2006-2007.

Listed in *Who's Who in America*, 58th, 59th & 61st editions, 2004-2007.

Listed in *Who's Who in American Education*, 6th edition, 2004-2005.

Listed in Academic Key's *Who's Who in Dental Sciences Education*, 2005.

Golden Apple Award for Excellence in Science Fair Program Support and Promotion, by the American Dental Association on behalf of the Louisville Dental Society, 2005 and 2014.

Nominated for Provost's Award in Exemplary Advising, University of Louisville, 2005.

Forum Fellow, Louisville *Courier-Journal*, editorial board contributor, Louisville, Kentucky, 2005.

Faculty Favorites Award, A Celebration of Teaching and Learning. University of Louisville, 2005.

Louisville *Courier-Journal*, Advisory Panel, Louisville, Kentucky, 2005-2010. Roundtable member, 2011-2012.

Community Service Award, Louisville Dental Society, 2007.

Listed in *Cambridge Who's Who*, 2007-08, 2008-2009.

President's Distinguished Faculty Award & Medal for Service to the Community, Commonwealth and Region, University of Louisville, 2009.

Certificate of Merit Award, Alpha Omega International Dental Fraternity, 2009.

First Premium, Sculpture Category, Kentucky State Fair, 2010 "Ed & Louise" Steinbock.

First Premium and Ohio Valley Art League Merit Award, Sculpture Category, Kentucky State Fair, 2011, "Three feet in a yard."

Fellow, American Academy of Maxillofacial Prosthetics, 2011-present. Life Fellow, 2019-present.

Faculty/Staff Open Walls Art Exhibitor, 2011, 2013, 2014, and 2018.

Alpha Omega International Dental Fraternity, Global Oral Health Initiative Award, Phi Student Chapter, for "AO Handmakers" project, 2011, 2012, 2013. Appreciation Award, 2016.

Fellowship Award for Outstanding Contributions to Dentistry in Kentucky, Kentucky Dental Association, 2012.

Faculty Favorites Award, nominated by students to the UofL Delphi Center for Teaching and Learning, 2011-2012.

Leadership Award for Distinguished Service, Louisville Regional Science & Engineering Fair, Louisville, Kentucky 2014.

Appreciation Award, University of Kuwait, Faculty of Dentistry, 2014.

Fifty Year Member, American Dental Association, 2016.

Fellow, American Association for Dental Research, 2016 (inaugural class).

Order of the Golden Crown, Harvard School of Dental Medicine, 2016.

Distinguished Alumnus Award & Medal, Harvard School of Dental Medicine, June 3, 2016.

Distinguished Clinician Award, Louisville Dental Society, April 14, 2018.

Albert Nelson Marquis Lifetime Achievement Award, Marquis Who's Who, No. 20589199, July 19, 2018.

American Association of Public Health Dentistry, UofL Chapter, Dental Public Health Certificate, April 25, 2019.

Ryge-Mahler Award in Clinical Research, Dental Materials Group, International Association for Dental Research, 2021.

Fellow, Sigma Xi, the Scientific Research Honor Society, 2022.

Gold Standard of Optimal Aging Award, UofL Trager Institute for Optimal Aging, Louisville, Kentucky, 2025.

ENDOWMENT FUNDS and AWARDS, INITIATED or FOUNDED:

- Sigma Alpha Mu (ΣAM) Fraternity. ΣΔ Chapter, Rutgers College, New Brunswick, NJ.

- Sponsor: Schnayerson-Fish-Gettleman Award for Sophomore Spirit, 1962.

- **Convener of "Great Moments in Biomaterials" lecture series, LSU School of Dentistry, 1977-1980.**

- > Richard L. Myerson, Myerson Tooth Corp., March 18, 1977, "Properties & Geometry of Artificial Prosthetic Teeth."

- > Dennis C. Smith, University of Toronto, March 22, 1977, Problems in Bonding to Dental Tissue."

- > Kamal Asgar, University of Michigan, April 20, 1977, "New Developments in Crown & Bridge Prostheses."

- > Haruyuki Kawahara, Osaka Dental Univ., April 21, 1977, Biological Testing of Biomaterials by Means of Tissue Culture."

- > Nikhil Sarkar, American Dental Association, May 23, 1977, "Corrosion of Dental Amalgam."
- > Alistair Clemow, University of Surrey, March 8, 1978, "New Developments in CoCr Alloys for RPD."
- > Jack N. Kent, LSU School of Dentistry, May 18, 1978, "TMJ, Facial & Mandibular Implants."
- > A. Jon Goldberg, University of Connecticut, March 28, 1979, "A Clinical Evaluation of High Copper Amalgam Alloys."
- > Svein Espevik, Scandinavian Institute, Oslo, April 2, 1979, "Properties & Degradation of Dental Amalgam."
- > Mohamed Bassiouny, Temple Univ., May 31, 1979, "Studies on Visible Light Cured Composite Restorative Materials."
- > Wilmer B. Eames, Emory University, November 1, 1979, "Promising New Dental Materials."
- > Subrata Saha, LSU Med. Sch., Shreveport, Jan. 14, 1980, "Factors Affecting Mechanical Properties of Bone & Bone Cement."

- **Congregation Gates of Prayer Endowment Fund (~\$100,000), Metairie, LA, 1983.**
- Harvard Club of Louisiana, Student Scholarship Award, 1983-1990.
- Academy of Dental Materials, Outstanding Student Award, 1985-present.
- Mini-Color Checker, Macbeth Corp., 1985.
- **Charles E. Gettleman Memorial Scholarship Fund (~\$28,500, \$1000/year for "C" students), Sigma Alpha Mu (ΣAM) Fraternity to ΣΔ (Rutgers) and ΣΓ (Tulane) chapters, 1987. Awarded 2015-present.**
- Originator of the Dental Science Awards; ● Sigma Xi Awards; ● Mercedes-Benz Automotive Science Awards, and
 - U.S. Metric Association Awards at the Louisville Regional Science & Engineering Fair and the duPont Manual High School/Meyzeek Middle School Regional Science Fair, 1992-2020.
- **Alpha Omega Dental Fraternity, Louisville, Student Emergency Scholarship Fund (~\$75,000), 1995-present.**
- Hippocratic & Geneva Convention Graduation Oath, University of Louisville School of Dentistry, 1996.
- **Kentucky Science Fair Endowment, Inc. (\$358,513), Louisville, KY, 1997-present.**
- "Night with the Nobels" (six Nobel Laureates!), International Science & Engineering Fair, Louisville 1997-present.
- Louisville Public Media, "Instrumental Partners Program," (WUOL, WFPL, WFPK), Louisville, KY 2001-present.
- "AO Handmakers," fund raiser for Alpha Omega Dental Fraternity, St. James Court Art Show, 2002-2019.
- Mentor:* Sarah G. Silberman, 1911-2008.
- St. Louis University Alumni Merit Award, nominator for Dr. Norbert Burzynsky, 2012.
- Miami Beach High School Hall of Fame Award, nominator for Hon. Robert W. Gettleman, 2019.

PATENTS AWARDED:

- **U.S. Patent No. 4,432,730, *Soft and Firm Denture Liner for a Composite Denture and Method for Fabricating.*** L. Gettleman, C.L. Farris, H.R. Rawls, and R.J. LeBoeuf, Jr., awarded February 21, 1984. Assigned to Gulf South Research Institute, Baton Rouge, Louisiana. Eighteen claims.
- **U.S. Patent No. 4,543,379, *Soft and Firm Denture Liner for a Composite Denture and Method for Fabricating.*** L. Gettleman, C.L. Farris, H.R. Rawls, and R.J. LeBoeuf, Jr., awarded September 24, 1985. Assigned to Gulf South Research Institute, Baton Rouge, Louisiana. Nine claims.
- **U.S. Patent No. 4,661,065, *Soft Denture Liner.*** L. Gettleman and P.H. Gebert, awarded April 28, 1987. Assigned to Gulf South Research Institute, Baton Rouge, Louisiana. Thirty-eight claims. Patent protection in Australia, Brazil, Canada, European Patent Office (Belgium, France, Germany, Italy, Sweden, Switzerland, United Kingdom) & Japan. Marketed as Novus® by Hygenic Corp. 1989-94, MST Corp. 2011-14, White Square Chemical Co. 2014-present.

PATENT APPLICATION:

Toothbrush Handle Design that Encourages Vertical Brushing. Byung Cheol Kang & Lawrence Gettleman, 1995.

INDIVIDUAL COPYRIGHTS:

- U.S. Copyright No. TX 1-464-729, *Maxillofacial Prosthetics Study*, Nov. 16, 1984. Questionnaires first published Nov. 1, 1984.
- U.S. Copyright No. TX 1-464-730, *Permanent Soft Denture Liner Study*, Nov. 16, 1984. Questionnaires first published July 1, 1984.

GRADUATE DEGREE or CERTIFICATE SPONSOR: (* Preceptor, **Reader):

1. *Dan Nathanson, DMD. **Certificate in Advanced Restorative Dentistry**, Harvard School of Dental Medicine, 1975.
2. **Steve R. Wright, BS, *Corrosion and Casting Behavior of CuNiMn Alloys*, **Master of Science**, Metallurgy, Duke University, 1976.
3. **David K.Y. Tay, BDS. *The Measurement of In Vivo Corrosion and Tarnish*, **Master of Science**, Biological Materials, Northwestern University, Evan H. Greener, Preceptor, 1984.
4. *Ramaswami Selvaraj. *Dynamic Mechanical Analysis of Polyphosphazenes*, **Master of Science**, Speed Scientific School, Chemical Engineering, UofL, 1992.
5. **Philip C. Fitzpatrick, III. *In Vivo Corrosion Studies of Dental Alloys*, **Master of Science in Biomedical Engineering**, Biomedical Engineering, Tulane University, 1992.

6. *David Y. Chang, DDS. *Shear Bond Strength and Enamel Alteration After Repeated Bonding and Debonding of Orthodontic Brackets - In Vitro Study*, **Master of Science in Oral Biology**, Orthodontics, UofL, 1993.
7. **Arturo Flores. *Skin Reactions to Dental Alloys*, **Master of Science in Biomedical Engineering**, Tulane University, Department of Biomedical Engineering, 1993.
8. *John L. Shuler, DDS. *Torsional Force Variability of Braided Rectangular Stainless Steel Wire*, **Master of Science in Oral Biology**, Orthodontics, UofL, 1993.
9. *Farzad Shaygan. *Retention of Resilient Denture Liners in Implant-Supported Overdentures after Multiple Insertions*, **Master of Science in Oral Biology**, Prosthodontics, UofL, 1993.
10. *Stacey A. Marx. *Synthesis and Thermomechanical Analysis of Polyphosphazene Fluoroalkoxy Elastomers*, **Master of Science in Engineering**, Speed Scientific School, Chemical Engineering, UofL, 1994.
11. *Kathleen A. Salius, DDS. *Maxillofacial Extraoral Silicone Prostheses Adhesion Using a Protective Skin Dressing*, **Master of Science in Oral Biology**, Prosthodontics, UofL, 1994.
12. **William G. Christensen, DDS, **Master of Science in Oral Biology**, Prosthodontics, UofL, 1996.
13. *Jody Koford, DMD. *Comparison of Load Deflection Rates of NiTi Springs*. Orthodontics, UofL, 1996.
14. *Martin A. Segal, DMD. *Soft Denture Liners in Xerostomic Patients*, **Master of Science in Oral Biology**, Prosthodontics, UofL, 1996.
15. *Kirby Nelson, DMD. *Shear Bond Strengths of Lingual Buttons on Unerupted Enamel After 3 Rinses*. Orthodontics, UofL, 1997.
16. *Nancy Faller-Shackleton, DMD. *A Comparison of Bond Strengths Using the Plasma Arc Curing System, the Visible Light Curing System and the Argon Laser Curing System*, **Master of Science in Oral Biology**, Orthodontics, UofL, 1997.
17. *Barbara Reed, DMD. *A Comparison of Frictional Forces of Conventional Ligation and Self-Ligation Bracket Systems*, **Master of Science in Oral Biology**, Orthodontics, UofL, 1998.
18. *Amy L. David, ULSD '98, *The Effects of Disc Wear and Surface Polishing on Flexure Strength of Vita Mark II Dental Porcelain Used with the Cerec CAD/CAM System*, **Master of Science in Oral Biology**, UofL, 1998.
19. *Jack T. Mayhew, ULSD '97, *Effect of Root Canal Sealers and Irrigation Agents on Retention of Pre-formed Posts Luted with a Resin Cement*, **Master of Science in Oral Biology**, Endodontics, UofL, 1999.
20. *Sudarath Kiat-amnuay, DDS. *Effect of Skin Preparation Agents on the Adhesion of Silicone Maxillofacial Prostheses*, **Master of Science in Oral Biology**, Prosthodontics, UofL, 1999.
21. **Hiromi Kitagawa, DDS. *Subjective Image Quality. A Comparison Between Three Storage Phosphor and Two Solid State Intraoral Imaging Systems*, **Master of Science in Oral Biology**, Radiology, UofL, Allan G. Farman, Preceptor, 2000.
22. *Karen Joan Thompson, *Surface Tempering of Dental Ceramics by Internal Heating Using Microwave Energy*, **Master of Science in Engineering**, Speed Scientific School, Chemical Engineering, UofL, 2000.
23. *J. Eric Walden, BS, ULSD '02. *Shear Bond Strength of Composite Resin and Bonding Agents to Dentin After Air-Abrasion Preparation*, **Master of Science in Oral Biology**, UofL, 2001.
24. **Sutatip Limrachtomorn, DDS. *Tuned-Aperture Computed Tomography (TACT™) Array Geometry and the Assessment of Mandibular Implant Positioning*, **Master of Science in Oral Biology**, UofL, Allan G. Farman, Preceptor, 2001.
25. **Aravind Sampath, DDS. *Surface-Modified Polyurethanes: Oxidative Influences on Interfacial Properties*. **Master of Science in Biomaterials**, State University of New York at Buffalo, Robert M. Baier, Preceptor, 2002.
26. *Brett Coleman, DMD. *Scratch Resistance of Resin-Reinforced Die Stone: A Six-Part Study*. **Master of Science in Oral Biology**, UofL, 2002.
27. *David Schulte. *Annular Saw Prototype Development*. **Bachelor of Science**, Vanderbilt University, Biomedical Engineering, 2002.
28. *Christopher D. Schulten, DMD. *A Comparison of Frictional Forces Over Time in a Human Between Self-Ligating and Conventional Brackets with Stainless Steel and Elastic Ligatures*. **Master of Science in Oral Biology**, UofL Orthodontics, 2002.
29. Philipose, John T., DMD. *Frictional Forces While Sliding TMA, Ion-Implanted TMA and Stainless Steel Arch Wires Through Stainless Steel Brackets During Simulated Mastication Forces*. **Master of Science in Oral Biology**, UofL Orthodontics, 2002.
29. **Ramya Ramamurthy, BDS. *Detection of Mesio-Buccal Canals in Maxillary Molars Using Parallax Analog and Digital Images*. **Master of Science in Oral Biology**, UofL, Allan G. Farman, preceptor, 2005.
30. *Ben B. Alderdice, Jr., DMD. *Insertion and Removal of Maxillofacial Prostheses over Transcutaneous Implants*. **Master of Science in Oral Biology**, UofL, pending 2006.
31. **Sony Markose, BDS. *Effects of Formulation Variables on the Mechanical Response of Maxillofacial Prosthetic Materials under Static and Dynamic Deformation Conditions*. **Master of Science**, Medical and Dental University of New Jersey, New Jersey Dental School, 2007.
32. *Swapna Nadikuda, BDS, DMD '13. *Effect of Finger Rings on Microbial Cross-Contamination During Dental Clinical Procedures*. **Master of Science in Oral Biology**, 2010.
33. *Nausheen Banu, BDS. *Mouth Guards and Improved Upper Body Muscle Performance*. **Master of Science in Oral Biology** candidate, 2010.

34. *Kelsey S. Phillips, BS. *Replica Dental Implants*. **Master of Science in Oral Biology** candidate, 2015.
35. **Giang T. Vu, DDS, MS. *Factors Associated with Oral Health-Related Quality of Life in Diabetic and Nondiabetic Populations in the United States Using the Oral Health Impact Profile in the National Health and Nutrition Examination Data*. **Doctor of Philosophy in Public Health**, 2020.

APPROVED and/or FUNDED GRANTS and CONTRACTS: (funded by NIH in bold)

Student Worker, Rutgers College, *Spatial and Temporal Thresholds in Color Vision*, **funded** 1961-1962. Sponsor: Prof. John Krauskopf.

Summer Fellow, Harvard School of Dental Medicine: *Use of the Oxygen Electrode In Vivo*, **funded** 1964. Sponsor: Prof. Paul Goldhaber.

Summer Fellow, Harvard School of Dental Medicine: *Fluoride Leaching from Porous Stainless Steels*, **funded** 1965. Sponsor: Prof. Rune Söremark.

Co-investigator, Research Grant 13,690 to the Bureau of Health Services, USPHS from the NIDR: *An Evaluation of Several Porcelain Fused to Metal Systems*, funded July 1970-June 1975. Joseph P. Moffa, Principal Investigator.

Principal Investigator, Research Grant R23 DE03690 to HSDM from NIDR: *Materials Testing of Polymer Replica Dental Implants*, \$75,000, funded Jan.1, 1973-Oct. 31, 1976.

Co-investigator, Research Grant R01 DE03755 to HSDM, from NIDR: *Vitreous Carbon Tooth-Root Implants*, \$123,000, funded June 1, 1973-May 31, 1976. Leonard B. Shulman, Principal Investigator.

Co-investigator, Research Contract N01 DE32422 to HSDM, from NIDR: *Influence of Tooth Design on Implant Acceptability in Animals*, \$283,000, funded May 18, 1973-May 17, 1976. Leonard B. Shulman, Principal Investigator. Mentors: Milton Hodosh (1928-2009), Norman I. Goldberg (1924-2012).

Principal Investigator, Academic Research Enhancement Award (AREA) R01 DE03696 to HSDM, from NIDR: *Nonprecious Metal Substitutes for Dental Gold Alloys*, \$75,000, funded June 10, 1975-Oct. 31, 1976.

Recipient of Research Career Development Award, No. K01 DE00010 01A1 to HSDM, from NIDR: *Development of Improved Crown and Bridge Restorations*, \$105,000, funded July 1-Oct. 6, 1976. Mentor: Thomas M. Valega (1937-2014).

Research Projects from LSUSD Research and Grants Committee, 1977: *Corrosion Fatigue of Dental Amalgam*. Phyllis A. Levine, MIT '78; and Lisa A. Darmiento, MIT '78; *Fatigue Simulation of Dental Amalgam*, Jefferson D. Graham, LSUSD '81, **funded** from BRSR Grant No. 5 S01 RR05704.

Co-investigator, Research Grant R01 DE05126 to LSUSD, from NIDR: *Creep and Corrosion of Dental Amalgams*, \$130,000, funded February 1, 1978-January 31, 1980. Nikhil Sarkar, Principal Investigator.

Research Projects from LSUSD Research and Grants Committee, 1978: *Measurement of Metal Tarnish Using a Tristimulus Colorimeter*, Corbin T. Amman, LSUSD 1981. *Rehardening of Stainless Steel Dental Instruments*, Eric A. Renz, Tulane 1979, **funded** from BRSR Grant No. 5 S01 RR05704.

Research Projects from LSUSD Research and Grants Committee, 1979: *Characterization of Dental Wear and Abrasion*, with H.R. Rawls. *Improved Seating and Cementation for Cast Dental Crowns*, W.T. Van Nortwick, Postdoctoral Student in Prosthodontics, **funded** from BRSR Grant No. 5 S01 RR05704.

Research Projects from LSUSD Research and Grants Committee, 1980: *The Relative Toxicity of ADA-Certified Polysulfide Rubber Impression Materials*, Thomas Spranley, LSUSD '83. *An In Vivo Study of Two-Body Wear and Abrasion of Selected Restorative Materials*, Ronald Curran, Postdoctoral Student in Pediatric Dentistry. *The Chloride Corrosion of Silver-Indium Dental Casting Alloys*, Gregory Irwin, Dental Lab Technology Student, **funded** from BRSR Grant No. 5 S01 RR05704.

Principal Investigator, Research Grant No. R01 DE05816 to LSU, from NIDR: *Measures of Tarnish, Corrosion, and Toxicity In Vivo*, approved June 1980.

Principal Investigator, Research Grant No. R01 DE04814 (01-03) to GSRI, from NIDR: *New Polymers for Permanent Soft Denture Liners*, Paul D. May, late Principal Investigator, funded March 1, 1980-Feb. 28, 1983.

Co-investigator, Research Grant No. R03 DE06330 to Northwestern University Dental School, from NIDR: *Study of In Vivo Tarnish and Corrosion*, \$50,000, funded July 1, 1982 – June 30, 1985. Evan H. Greener and Lee M. Jameson, Co-principal Investigators.

Consultant, Research Grant No. R01 DE06179 from NIDR: *Radiopaque Restorative and Prosthetic Dental Resins*, \$170,000, funded April 1, 1983-March 30, 1986. SUNY at Syracuse and LSU School of Dentistry, Israel Cabasso and H. Ralph Rawls, Co-Principal Investigators

Principal Investigator, Research Grant No. R01 DE04814-(01-06) to GSRI, from NIDR: *Clinical Evaluation of PNF Permanent Soft Denture Liners*, \$420,000, funded July 1, 1983-June 30, 1987.

Principal Investigator, Research Grant No. R01 DE06409 (01-04) to GSRI, from NIDR: *Clinical Evaluation of CPE in Maxillofacial Prosthetics*, \$320,000, funded September 20, 1983-November 30, 1987. Continuation approved February 1987, and February 1988.

Travel Grant from NIDR to attend IADR meeting; Sydney, Australia, \$700, funded, May 1983.

Principal Investigator, Research Grant No. R01 FD226 83 0042 to GSRI from Food and Drug Admin., Orphan Products Development: *Clinical Evaluation of CPE in Maxillofacial Prostheses*, funded Oct. 1983.

Principal Investigator, Conference Grant No. R13 DE07039 to Academy of Dental Materials, from NIDR: *International Conference on Oral Metallic Interactions*, approved May 1984.

Principal Investigator, Small Business Innovative Research Grant No. R23 DE08105(01) to GSRI, from NIDR: *Performance Confirmation of PNF Soft Denture Liners*, approved January 1987.

Principal Investigator, Small Business Innovative Research award to GSRC from NCI, *Chlorinated Polyethylene for Breast Prostheses Matched to Patient Skin Color*, approved November 1987.

Travel grant from the NIDR to attend 3rd World Biomaterials Congress, Kyoto, Japan, \$1200, funded April, 1988.

Consultant, Research Grant No. 5 R01 DE06179 from NIDR to State University of New York, College of Environmental Science & Forestry, Syracuse, NY. *Radiopaque Restorative and Prosthetic Dental Resins*, \$320,249, funded December 1990-November 1993. Israel Cabasso, Principal Investigator.

Co-principal Investigator, Research Grant No. R01 DE08222 to Tulane University, Biomedical Engineering Department, from NIDR: *Optimizing Corrosion Testing of Dental Alloys*, approved February 1987, 1988, 1989 and 1990. Kirk J. Bundy, Principal Investigator, \$120,000 funded July 1, 1990 – June 30, 1993, at Tulane University and University of Louisville.

Principal Investigator, Academic Research Enhancement Award, No. R15 DE09865 to University of Louisville from NIDR: *Polyphosphazene Polymers for Dental and Biomedical Application*, \$105,000, funded April 5, 1991 – March 31, 1994. Mentor: Harry R. Allcock (1932-).

Co-principal Investigator, Telecommunications Grant from University of Louisville Telecommunications Research Center, *Digital Radiology*, \$11,000 funded July 1, 1991. Allan G. Farman, Principal Investigator.

Co-principal Investigator, Conference Grant No. R13 DE09977 to University of Louisville and Academy of Dental Materials, from NIDR: *Materials Research in Maxillofacial Prosthetics*, approved May 1991.

Principal Investigator, *Properties and Use of Dentatus Anchorage Posts*, from Weisman Technology (Dentatus) International, Inc., \$12,000, funded June 1990, June 1992-93.

Convener, Ohio Valley Regional Dental Research Conference, Louisville, KY. \$5000, funded by Procter & Gamble, March 3, 1992.

Co-investigator, Shared Instrumentation Grant No. S10 RR08226 to University of Louisville from National Center for Research Resources: *Anchored Cell Analysis and Sorting Cytometer*, approved February 1993. Fred J. Roisin, Principal Investigator.

Principal Investigator, Research Grant No. R01 HD31427 to University of Louisville from National Institute of Child Health & Human Development: *Good Materials & Design of Limb Prosthetic Interfaces*, approved Sept. 1993.

Research contracts from Kuraray Co., Ltd, \$3000, funded 1994-97.

Preceptor of research fellowship for Dr. Martin A. Segal from The Procter & Gamble Company, "Denture Liner Construction in Xerostomic Patients," \$5000, funded 1994-1997.

Research contract from The Hygenic Corporation, Reza Miremami, "Pilot Study to Devise Methods Measuring Upper Body Strength and Mouthguards," \$3700, funded 1996-1997.

"Second Pilot Study: Instrumentation to Study Bite Opening with Mouthguards to Improve Upper Body Physical Performance," Reza Miremami, ULSD Research Committee, \$2500, funded 1998.

Research contract from Whip Mix Corporation, Brett Coleman, "Scratch Resistance of Resin-Bonded Gypsum Die Stones," funded \$7500, 1997-1998.

Principal Investigator, Intramural Research Incentive Grant-Project Completion Grant from the UofL Vice President for Research, *Effect of Adhesive Retention of Maxillofacial Prostheses. Parts 1, 2, & 3*, with Sudarat Kiat-amnuay, \$4000, funded 1999-2002.

Preceptor for summer research for one to three dental students per year from the School of Dentistry's Research Committee, approx. \$2500 each, funded 1990-2001.

- Stereographic Digital Dental X-ray Imaging Prototype: Bradley Goldberg, A.G. Farman, 2001

Coinvestigator, "Clinical Evaluation of a Subgingival Plaque-Removal Device," Roy A. Selvidge, Regan L. Moore, Margaret Hill, coinvestigators. Pamela Goodliffe, RDH '01

Principal Investigator, Competitive Enhancement Grant from the University of Louisville's Vice President for Research, *Multicenter Trial of CPE for Maxillofacial Prosthetics*, \$14,983, funded April 15, 2002–April 14, 2003.

Principal Investigator and Study Chair cooperative agreement No. 5-U01 DE014543 from the NIDCR: *Multicenter Trial of CPE for Maxillofacial Prosthetics*, \$2,902,479, funded August 21, 2003 – May 31, 2009. ClinicalTrials.gov Identifier: NCT00123097, (University of Louisville, University of Texas Houston, School of Dentistry, UT M.D. Anderson Cancer Center, Toronto Sunnybrook Regional Cancer Centre).

Consultant, University of Texas Health Science Center at Houston, project M01RR002558 from the University Clinical Research Center: *Color of Human Skin - Maxillofacial Prosthetics Application: A Pilot Study*, Sudarat Kiat-amnuay, Rade Paravina, John M. Powers, and F. Imai, funded 2004-2005.

Research project, Peter S. Wulff ULSD '15, "Replica Dental Implant Proof-of-Concept Study," funded, summer 2012.

Principal Investigator with Dr. Aly Farag, “Replica Dental Implant,” University of Louisville, Coulter Translational Partnership, \$30,277, **funded** July 1, 2013 – February 3, 2014. IACUC Approval No. 13142, Feb. 12, 2014 – Feb. 12, 2017.

Leader, “Engineered, Retrofitted, Wireless, Solar-Powered Streetlight System.” Capstone Project No. ECE494, Electrical & Computer Engineering Dept., Speed School of Engineering, University of Louisville. From the South Fourth Street Association, January-April 2020, **funded** \$3000.

TABLE CLINIC PRESENTATIONS:

1. *Disposable Dispenser/Syringe for Elastic Impression Materials*. American Dental Association, Las Vegas, November 1970. Yankee Dental Congress, Boston, January 1973.
2. *Foreign Body Response to Injected Impression Materials*. Yankee Dental Congress, Boston, January 1977. American Dental Association, Miami Beach, October 1977.
3. *Measurement & Prediction of Tarnish and Corrosion*. Academy of General Dentistry Annual Meeting, June 26, 1979. LSU School of Dentistry, Faculty Retreat, October 28, 1979.
4. *Recent Research in Permanent Soft Denture Liners*. New Orleans Dental Conference, September 1981.
5. *Permanent Soft Denture Liner Materials of Variable Consistency and Radiopacity*, New Orleans Dental Conference, September 1982.
6. *The GSRI-PNF Permanent Soft Denture Liner*, New Orleans Dental Conference, September 1983.
7. *Permanent Soft Denture Liner of GSRI-PNF*, Chicago Dental Society Midwinter Meeting, February 17, 1986.
8. *Full-Arch Resin-Bonded Splints*, Chicago Dental Society Midwinter Meeting, Feb. 22, 1988.
9. *New Permanent Soft Denture Liner*, Chicago Dental Society Midwinter Meeting, Feb. 22, 1988.
10. *Full-Arch Resin-Bonded Splints for the Immobilization of Teeth*, American Dental Association Meeting, Washington, October 8, 1988.
11. *Permanent Resilient Denture Liner Made from Phosphazene Rubber*, American Dental Association Meeting, Washington, October 9, 1988.
12. *Development of Novus, a Permanent Denture Liner*, American Dental Association meeting, Honolulu, November 5, 1989.
13. *Development and Clinical Trials of Novus*, Chicago Dental Soc. Midwinter Meeting, Feb. 7, 1990.
13. *Application of Digital (Filmless) Radiology for Three-Dimensional Display*, Chicago Dental Society Midwinter Meeting (with A. G. Farman), February 17, 1991.
14. *Polyphosphazenes for Soft Denture Liners and Other Dental Uses*, American Dental Association Meeting, Seattle, October 5, 1991.
15. *Three-Dimensional Digital RadioVisioGraphy*, American Dental Association Meeting, Seattle, October 6, 1991; Chicago Dental Association Meeting, 1992 (with A.G. Farman).
16. *Fireproof Denture Identification Strips*, Kentucky Dental Association, March 29, 1992.
17. *Carriage House Construction*, Kentucky Dental Association, March 30, 1994.
18. *Aerial Photography*, Kentucky Dental Association, April 2, 1995.
19. *Plaster Anatomic Casts*, Kentucky Dental Association, April 13, 1996.
20. *Shear Bond Strengths of Lingual Buttons of Unerupted Enamel after Three Rinses*, Kentucky Dental Association (with K. Nelson and F. Regentitter), April 5, 1997.
21. *The Effect of Milling Disc Wear on the Strength of CAD/CAM Porcelain Inlays*, Academy of Operative Dentistry (with S.B. David and A.L. David), No. 36, February 20, 1998.
22. *Photoelastic Stress Analysis of Posts Constructed of Noble and Base Metal Casting Alloys*, Kentucky Dental Association (with R. Hatfield), April 4, 1998.
23. *Scratch- and Spall Resistance Tests for Gypsum Products*, Kentucky Dental Association (with B.R. Coleman and B. Knopf), April 4, 1998.
24. *Effect of Surface Polishing on Fracture Resistance of Vita Porcelain for Cerec I CAD/CAM Restorations*, Kentucky Dental Association (with A. David), April 4, 1998.
25. *Improving Scratch Resistance of Resin-Reinforced Die Stone*, Kentucky Dental Association (with B.R. Coleman and B. Knopf), April 10, 1999.
26. *Protective Skin Dressing Effects on Adhesive Retention of Maxillofacial Prostheses*, Kentucky Dental Association (with S. Kiat-amnuay, Z. Khan, and L.J. Goldsmith), April 10, 1999.
27. *Mouth Guard Prostheses and Symmetrical, Upper Body Muscle Force*, Kentucky Dental Association (with R. Miremami, K. Adams, R.L. Moore, L.J. Goldsmith, & P.M. Quesada) April 10, 1999.
28. *Shear Bond Strength of Bonding Agents and Composite Resins to Air-Abraded Dentin*, Kentucky Dental Association (with J.E. Walden and F.M. Parkins), April 1, 2000.
29. *Effect of Adhesive Retention of Maxillofacial Prostheses Over Time*, Kentucky Dental Association (with S. Kiat-amnuay, Z. Khan, and L.J. Goldstein), April 1, 2000.

30. *Polydimethylsiloxane as a Barrier to Dental Staining and Bonding*, Kentucky Dental Association (with T.K. Taylor, and C.H. Drisko), April 1, 2000.
31. *Enamel/Dentin Bonding of Self-Etch Primers after Er: YAG Laser Preparation*, Kentucky Dental Association (with J.E. Walden, C.H. Ziegler, and F.M. Parkins), April 2001.
32. *Bond Strength to Human Enamel After Er: YAG Laser Preparation*, Kentucky Dental Association (with J.E. Walden and F.M. Parkins), April 2002.
33. *Simulated Mastication and Friction of Stainless Steel and TMA Orthodontic Wires*, Kentucky Dental Association (with J.T. Philipose and B.E. Johnson), April 2002.
34. *Dynamic Mechanical Analysis of Polyphosphazene Resilient Denture Liners*. Kentucky Dental Association (with J.C. Watters and R. Selvaraj), April 2003.
35. *Design of Multicenter Phase III Clinical Trial for Maxillofacial Prosthetics*. Kentucky Dental Association (with S. Kiat-amnuay, D.A. Johnston, J.D. Anderson, and R.F. Jacob), April 3, 2004
36. *Effectiveness of 3 Different Obturation Methods in the Filling of a Simulated Lateral Defect*. R. Caicedo, R.W. Baker, L. Gettleman, S.J. Clark. Research!Louisville 2007.
37. *Multicenter Trial of Chlorinated Polyethylene for Maxillofacial Prosthetics*. S. Kiat-amnuay, M. Chambers, R. Jacobs, D. Johnston, R. Sheppard, G. Haugh, and L. Gettleman. Kentucky Dental Association, 2008.
38. *Effect of Finger Rings on Microbial Cross-Contamination During Dental Clinical Procedures*. S. Nadikuda, R. Staat, R. Carrico, D. Lorenz, and L. Gettleman. Research!Louisville 2010. J.G. Brown Cancer Center retreat, October 2011.
39. *A Comparative Evaluation of Dental Acrylic Resin Curing Techniques for Appliances used in Orthodontic and Pediatric Dentistry*. M.W. Doornbos, J.L. Painter, A.L. Greenwell, and L. Gettleman. Kentucky Dental Association, March 10, 2012.
40. *Replica Implant Proof-of-Concept Study*. P.S. Wulff, A.G. Farman, W.C. Scarf, T.J. Gornet, G.E. Graf, and L. Gettleman. Research!Louisville 2012. J.G. Brown Cancer Center retreat, October 2012. Dentsply Student Research Award winner, American Dental Association meeting, November 2, 2013. Kentucky Dental Association Meeting, March 15, 2014 (research competition 1st prize).
41. *Development of Novus[®] Denture Liner*. L. Gettleman. Greater Houston Dental Society, Tale & Ale. Aug. 25, 2022.

CONTINUING EDUCATION COURSES PRESENTED:

Dental Implants, Harvard School of Dental Medicine, May, 1974.

Dental Restorative Materials, Harvard School of Dental Medicine, October 1976.

Dental Restorative Materials, New York University, June 1977.

Dental Restorative Materials, Polk County Study Club, Macomb, MS, 1983.

Dental Materials for the Technician, Louisiana Dental Laboratory Guild, Baton Rouge, 1984.

New Topics in Restorative Dentistry: Ceramics, Alloys, Polymers, Toxicity, Implants and Color.

Dental Lasers: How and When to Use Them. Commonwealth Dental Network Continuing Education Course, Category I, II and Category III Review (contributing lecturer), June & Dec. 1993, April 1994, Feb. & Oct. 1995, April 1996, May & Nov. 1997, April & Nov. 1998, June & Nov. 1999, Nov. 2000, June 2001, June, 2002, November 2003. Fritz Parkins, course director.

A Day with Prosthodontists. American College of Prosthodontists and Whip Mix Corporation, November 8, 1996 (convener).

Soft Resilient Denture Liner: Improving Patients' Quality of Life - Webinar, (with Tony DeAngelis, CDT). Lang Dental Manufacturing Co. <http://www.dentallearning.net/soft-resilient-denture-liner-improving-patients%E2%80%99-quality-life/take-course>.

Novus[®] Resilient Denture Liner, Friendship Dental Laboratory, Baltimore, MD, March 18, 2015.

Novus[®] Resilient Denture Liner, Depot Dental Laboratory, Wood Dale, IL, March 26, 2015.

Soft Denture Liner and Maxillofacial Prosthetic Elastomer Development, with Clinical Trials, Tale & Ale General Membership Meeting, Greater Houston Dental Society, Houston, Texas, August 25, 2022.

PUBLICATIONS: (underline signifies mentor to primary author) (* refereed journals)

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Gettleman>

[https://www.researchgate.net/profile/Lawrence Gettleman/publications?sorting=recentlyAdded&page=4](https://www.researchgate.net/profile/Lawrence%20Gettleman/publications?sorting=recentlyAdded&page=4)

751.4 Research Interest Score

1,492 Citations

21 h-index

ResearchGate (August 2025): Reads 13,907; Citations 1492; Research Interest Score 751.4; h-index: 21; Recomm. 44.
Mendeley, (October 2020): Pubs: 77; Media mentions: 8; Citations: 746; Readers: 936. Views: 13,192; h-index: 15.
Scopus No. 7006347210 (December 2022): 828 citations by 684 documents, 97 coauthors, h-index: 16.

- 1.*Söremark, R., Freedman, G., Goldin, J., and Gettleman, L.: Structure and Microdistribution of Components of Gold Alloys. *J. Dent. Res.* 45(6) 1723-35, 1966.
- 2.*Gettleman, L., Freedman, G., Shaw, B., Goldin, J., and Söremark R.: Studies on a New Dental Casting Gold Alloy. *J. Dent. Res.* 46:595-601, 1967.
3. Gettleman, L.: *Investigation and Development of Casting Gold Alloy Testing Procedures and Alloys Containing Low Levels of Addition Elements*. Master of Science in Dentistry thesis, St. Louis University, School of Dentistry and the Graduate School, 1969.
- 4.*Gettleman, L., and Harrison, J.D.: Improved Tensile Specimen for Dental Casting Gold Alloys. *J. Dent. Res.* 48:278-281, 1969.
- 5.*Gettleman, L., and Ryge, G.: Accuracy of Stone, Metal and Plastic Die Materials, *J. Calif. Dent. Assoc.* 46: 28-31, 1970.
- 6.*Gettleman, L., Harrison, J.D., and Brasunas, A. deS.: Hypoeutectic Gold Cobalt Alloys for Dental Prostheses. *J. Biomed. Mater. Res.* 6:25-32, 1972.
- 7.*Herzberg, T., Gettleman, L., Webber, R.L., and Moffa, J.P.: Effect of Metal Surface Treatment on Masking Power of Opaque Porcelain. *J. Dent. Res.* 51:468-72, 1972.
- 8.*Gettleman, L., Webber, R.L., Potter, W.R., and Moffa, J.P.: Shot Impact Test for Dental Amalgam. *J. Dent. Res.* 51:519-25, 1972.
- 9.*Moffa, J.P., Going, R.E., and Gettleman, L.: Silver Pins: Their Influence on the Strength and Adaptation of Amalgam. *J. Prosthet. Dent.* 28:491-99, 1972.
- 10.*Moffa, J.P., Lugassy, A.A., Guckes, A.D., and Gettleman, L.: An Evaluation of Nonprecious Alloys for Use with Porcelain Veneers. Part I, Physical Properties. *J. Prosthet. Dent.* 30:424-31, Oct. 1973.
- 11.*Stepnick, R.J., and Gettleman, L.: Microhardness of Human Apical Cementum Related to Fluoride Exposure and Age. *J. Dent. Res.* 54:905, 1975.
- 12.*Gettleman, L., Nathanson, D., Myerson, R.L., & Hodosh, M.: Porous, Heat-Cured Poly-(Methyl Methacrylate) for Dental Implants. *J. Biomed. Mater. Res.* Symposium #6, 9:243-49, 1975.
- 13.*Gettleman, L. & Agranat, B.J.: Polysulfide Rubber Foreign Body: Report of a Case. *Quintessence Int.* 7:21-24, 1976.
- 14.*Gettleman, L., Nathanson, D., and Myerson, R.L.: Effect of Rapid Curing Procedures on Polymer Implant Materials. *J. Prosthet. Dent.* 37:74-82, 1977.
15. Gettleman, L., Herzberg, T.W., Webber, R.L., and Moffa, J.P.: The Effect of Metal Surface Treatment on the Masking Power of Opaque Porcelain. In *Dental Porcelain: The State of the Art -1977*. Henry N. Yamada & Penelope B. Grenoble, ed., University of Southern California School of Dentistry, 1977, pp. 161-65, 1977.
16. Gettleman, L.: More on ZOE-EBA Cements. Letter to the editor. *J. Amer. Dent. Assoc.* 95(4): 671, 1977.
- 17.*Hodosh, M., Gettleman, L., Shklar, G., and Povar, M.: Surface Texture and Strength of Vitreous Carbon-Poly(Methyl Methacrylate) Dental Implant Materials. *J. Biomed. Mater. Res.* 12:167-79, 1978.
- 18.*Gettleman, L., Nathanson, D., Shklar, G., Brathwaite, W.J., Jr., Darmiento, L., Levine, P., and Judes, H.: A Preliminary Evaluation of the Histotoxicity and Radiopacity of Lead-Containing Elastic Impression Materials. *J. Amer. Dent. Assn.* 96:987-93, 1978.
- 19.*Gettleman, L.: Evaluation of a Viscosity-Reducing Agent for Composite Resins. *J. Prosthet. Dent.* 40:4:475, 1978.
- 20.*Gettleman, L., Kalis, P., Schnitman, P.A., Feingold, R.M., Nathanson, D., Shklar, G.S., Woolfson, M., and Shulman, L.B.: Clinical Evaluation Criteria of Tooth Implant Success. *Oral Implantology.* 8:1:12-28, 1978.
- 21.*Nathanson, D., Gettleman, L., Schnitman, P., and Shklar, G.: Histologic Response to Porous PMMA Implant Materials. *J. Biomed. Mater. Res.* 12:13-33, 1978.
- 22.*Gettleman, L.: The Problem of Corrosion and Tarnish of Dental Restorative & Implant Metals. Proceedings of the International Symposium on Biomaterials in Dentistry & Medicine. *Biomater. Med. Dev., Artif. Organs* 7:2:191-97, 1979.
- 23.*Hodosh, M., Shklar, G., Gettleman, L., & Povar, M.: Strength and Biocompatibility of Poly-methacrylate-Silica Composite Dental Implant Materials. *J. Prosthet. Dent.* 43:197-203, 1980.
- 24.*Wright, S.R., Cocks, F.H., Pearsall, G.W., and Gettleman, L.: An Ultrasonic Abrasion Simulation Corrosion Test Method Applied to Dental Alloy Evaluation. *Corrosion* 36:101-103, 1980.
- 25.*Gettleman, L.: Council on Dental Materials, Instruments and Equipment: Status Report on Low Gold-Content Alloys for Fixed Prostheses. *J. Amer. Dent. Assn.* 100:237-40, 1980.
- 26.*Gettleman, L., and Nathanson, D.: Confirmation of Bone Ingrowth into Porous PMMA Materials. *J. Dent. Res.* 59:139, 1980.
- 27.*Gettleman, L., Cocks, F.H., Darmiento, L.A., Levine, P.A., Wright, S., and Nathanson, D.: Measurement of *In Vivo* Corrosion Rates in Baboons, and Correlation with *In Vitro* Tests. *J. Dent. Res.* 59:689-707, 1980.
- 28.*Schnitman, P.A., Woolfson, M., Feingold, R.M., Gettleman, L., Freedman, H.M., Kalis, P.J., Buchanan, W., & Shulman, L.B.: Vitreous Carbon Implants: A Five-Year Study in Baboons. *J. Prosthet. Dent.* 44:190-200, 1980.
- 29.*Gettleman, L., and Renz, E.: Hardness Profiles of Steel Instruments, and Possible Rehardening Methods, *Quintessence International* 12:223-30, 1981.
- 30.*Gettleman, L.: Predicting Wear and Abrasion of Restorative Materials. *Compend. Contin. Ed. in Dent.* 1:6:416-420, 1980.

- 31.*Gettleman, L., Carr, R.F., and Herschaft, E.E.: Foreign Body Identification Using Energy Dispersion X-Ray Analysis. *J. Forensic Sciences*. 26:58-63, 1981.
- 32.*Gettleman, L., Farris, C.L., LeBoeuf, R.J., Rawls, H.R., and Dillingham, E.O.: Improvement of Experimental Elastomers for Permanent Soft Denture Liners: Physical and Biologic Properties. *Biomater., Med. Dev., Art. Org.*, 9:345-347, 1981.
- 33.*Van Nortwick, W.T., and Gettleman, L.: Effect of Internal Relief, Vibration, and Venting on the Vertical Seating of Cemented Crowns, *J. Prosthet. Dent.* 45:395-399, 1981.
- 34.*Gettleman, L.: Use of Primates for Wear Testing of Dental Restorative Materials. *Am. J. Primatol.*, 1:457-464, 1981.
35. Gettleman, L., Farris, C., LeBoeuf, R., Rawls, H.R., and Dillingham, E.O.: Improvement of Experimental Elastomers for Permanent Soft Denture Liners: Physical and Biologic Properties. In *Biomedical Engineering I, Recent Developments*, S. Saha, ed. New York: Pergamon, pp. 307-09, 1982.
- 36.*Kasten, F.H., Felder, S.M., Gettleman, L., and Alchediak, T.: A Model Culture System with Human Gingival Fibroblasts for Evaluating the Cytotoxicity of Dental Materials. *In Vitro*, 18:650-660, 1982.
- 37.*Gettleman, L., Haik, P.L., Jr., Lapeze, J.P., and Matthews, R.J.: Acid-Etched Splints for Mobile Teeth. *J. Louisiana Dent. Assoc.* 40:3:8-12, 1982.
- 38.*Spranley, T.J., Gettleman, L., and Zimmerman, K.: Acute Tissue Irritation of Polysulfide Rubber Impression Materials, *J. Dent. Res.* 62:548-551, 1983.
- 39.* Gettleman, L., Fischer, D.L., and Farris, C.: Self-Sanitizing Soft Denture Liners: Paradoxical Results, *J. Biomed. Mater. Res.* 17:731-734, 1983.
- 40.*Sonis, A., Curran, R., Gettleman, L., and Rawls, H.R.: Changes in Surface Roughness of Restorative Resins in a Bruxing Primate. *Quintessence International* 15:245-251, 1984.
- 41.*Kinnebrew, M., Gettleman, L., Carr, R.F., and Beazley, R.M.: Squamous Cell Carcinoma of the Tongue in a Young Woman. Report of a Case with Etiologic Considerations. *Oral Surg., Oral Med., Oral Path.*, 58:696-698, 1984.
- 42.Bundy, K.J., and Gettleman, L.: AC Electrochemical Impedance Studies of the Corrosion Behavior of Dental Amalgam. *Biomedical Engineering. IV, Recent Developments*, B. Sauer, ed. New York: Pergamon, pp. 112-115, 1985.
43. Gettleman, L., Ross-Bertrand, L., Gebert, P.H., and Guerra, L.R.: Novel Elastomers for Denture and Maxillofacial Prostheses. *Biomedical Engineering IV, Recent Developments*, B. Sauer, ed. New York: Pergamon, pp. 141-144, 1985.
- 44.*Gettleman, L.: What Can We Do About the Mercurophobes? *Operative Dent.* 11:78-80, 1986. (Editorial Opinion).
- 45.*Gettleman, L., Vargo, J.M., Gebert, P.H. and Rawls, H.R.: Thermoplastic Chlorinated Polyethylene for Maxillofacial Prostheses. In *Advances in Biomedical Polymers*, Polymer Science and Technology Series, Vol. 35, C.G. Gebelein, editor. New York: Plenum, pp.31-40, 1987.
- 46.*Gettleman, L., Vargo, J.M., Gebert, P.H. Farris, C.L., LeBoeuf, R.J., Jr., and Rawls, H.R.: Polyphosphazene Fluoroelastomer (PNF) as a Permanent Soft Liner for Removable Dentures. In *Advances in Biomedical Polymers*, Polymer Science & Technology Series, Vol. 35, C.G. Gebelein, editor. New York: Plenum, pp. 55-61, 1987.
47. Gettleman, L.: Resin-Bonded Fixed Partial Dentures for the Immobilization of Teeth, pp. 109-117, 1987. In *Adhesive Prosthodontics*. L. Gettleman, M.M.A. Vrijhoef, and Y. Uchiyama, editors. Chicago: Academy of Dental Materials, 1987.
48. Gettleman, L., Goist, K.C., Vargo, J.M., Guerra, L.R., Mendez, A.T., and Larson, H.D.: Processing and Clinical Testing of a Thermoplastic Material for Maxillofacial Prosthetics. In *Oral Implantology and Biomaterials*, H. Kawahara, editor, Amsterdam: Elsevier. Progress in Biomedical Engineering Series. Vol. 7, pp. 7-13, 1989.
49. Gettleman, L., Vargo, J.M., Goist, K.C., Jameson, L.M., Salib, M.M., Agarwal, A.K., Guerra, L.R., Finger, I.M. and McDonald, G.T.: Laboratory and Clinical Testing of a Polyphosphazene Resilient Denture Liner vs. a Silicone Rubber Liner. In *Oral Implantology and Biomaterials*, H. Kawahara, ed. Amsterdam: Elsevier. Progress in Biomedical Engineering Series, Vol. 7, pp. 15-20, 1989.
50. Gettleman, L.: Resin-Bonded Splints Offer Alternative to Surgery. *Soft Tissue Care for GPs*. 2:3:1, 1990.
- 51.*Goshima, T., Gettleman, L., Goshima, Y., and Yamamoto, A.: Evaluation of a Radiopaque Denture Liner. *Oral Surg., Oral Med., Oral Path.*, 74:379-82, 1992.
- 52.*Gettleman, L.: Development of Radiopaque Acrylic Resins for Prostheses. *J. Prosthet. Dent.* 68(1):206, 1992.
53. Gettleman, L.: Chlorinated Polyethylene and Polyphosphazenes. In "Materials Research in Maxillofacial Prosthetics". L. Gettleman and Z. Khan, Co-chairs; J. Setcos, Editor. *Trans. Acad. of Dental Mater.* 5(1):156-172, 1992.
54. Gettleman, L.: The AADS's memorandum of December 11, 1992, on the Use of Extracted Teeth in Dental Education Settings. *J. Dental Ed.* 57 (6) 406, 1993.
55. Gettleman, L.: Foreign Body Aspiration. Letter to the editor. *J. Amer. Dent. Assoc.* 127:1698-99, 1996.
56. Yamamoto, K., Kuroyanagi, K., Webber, R., Horton, R., Scarfe, W., Gettleman, L., and Farman, A.: Technical Note: Rationale and Proposed Methodology for the Empirical Assessment of the Depth-Determining Accuracy of Tuned Aperture Computed Tomography (TACT). *Proc. 11th Cong. Int. Assoc. Dentomaxillofacial Radiology*, June 21-27, 1997.
- 57.*Kiat-amnuay, S., Khan, Z., and Gettleman, L.: Overdenture Retention of Four Resilient Liners Over an Implant Bar. *J. Prosthet. Dent.* 81:568-73, 1999.
- 58.*Kiat-amnuay, S., Mekayararajanonth, T., Khan, Z., and Gettleman, L.: Simplified Methods for Fabricating Tissue-Supported Implant-Retained Overdentures with Retention from a Resilient Liner. *J. Prosthet. Dent.* 82:242-45, 1999.

59. Gettleman, L.: Polyphosphazene Fluoroelastomer for Denture Liners and Facial Prosthetics. *Phosphorus, Sulfur, and Silicon*, 144-146: 205-08, 1999.
60. *Mayhew, J.T., Windchay, A., Goldsmith, L.J., and Gettleman, L.: Effect of Sealant Cements and Irrigation Agents on Retention of Preformed Posts Luted with a Resin Cement. *J. Endodont.* 26:341-44, 2000.
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155. Vu, G.T., Little, B.B., Esterhay, R., Jennings, J., Creel, L., and Gettleman, L.: Links between Oral Health-related Quality of Life in US Adults and Type 2 Diabetes: SEM Analysis. National Oral Health Conference, April 2021.
156. Gettleman, L. Taking the High Road: My Ethical Career Conflicts and Their Professional Consequences. Tenth International Conference on Ethics in Biology, Engineering, and Medicine. November 13-14, 2021.
157. Gettleman, L., Kiat-amnuay, S., and Anderson, J.D.: Design and Results of a Randomized Controlled Phase III Clinical Trial for Maxillofacial Prosthetic Devices. 37th Southern Biomedical Engineering Conference, New Orleans, No. 9-2, Dec.3-5, 2021.
158. Gettleman, L.: Ethical Considerations in Clinical Trials? The High Road Taken: My Ethical Career Conflicts and Their Professional Consequences. AADOCR Annual Meeting., Symposium 24: AADOCR Code of Ethics, No. 0254, March 24, 2022.
159. Gettleman, L.: 11th International Conference on Ethics in Biology, Engineering and Medicine, Seattle, WA. Bioethics, III, Examples of Unethical Behavior in Academia. April 30, 2023.
160. Gettleman, L., and Kiat-amnuay, S.: A Clinical Trial for Facial Prosthetics. Session 10, Medical Devices & Implants 1. Southern Biomedical Engineering Conference, Sept. 9, 2023.
161. Gettleman, L.: Aging and BMI. *Scientific American*. 330:5:9, 2024.
162. Kiat-amnuay, S. Chambers, M.S., Jacob, R.F., Anderson, J.D., Johnston, D.A., Sheppard, R.A., Haugh, G.S., and Gettleman, L.: Multicenter Trial of Chlorinated Polyethylene for Maxillofacial Prosthetics. Society for Biomaterials Southwest Regional Conference, Austin, TX, No. 16. Sept. 19, 2024.

INTERESTS:

Professional: • Fundamentals and problem solving in dental biomaterials; • New product development in prosthodontics and restorative dentistry; • Clinical trials; • *In vivo/in vitro* correlation of clinical performance; • Metals & ceramics; • Tarnish and corrosion of metals; • Polymer substitutes for metals and ceramics; • Polymers & elastomers; • Resilient denture liners, mouth guards, and facial prosthetic materials; • Wear and abrasion; • Toxic responses of materials; • Scientific ethics; • Aerospace dentistry.

Non-Professional: • Opera, chamber, and symphonic classical music; • Construction and repair in wood, metal, stone, electronics, and machinery; • Jaguar, Mercedes-Benz, and Cessna maintenance, repair, and restoration; • Clarinet music; • Skiing (solid and liquid H₂O); • Gardening and green housing; • Flying and repairing general aviation aircraft; • Sculpture; • Photography; • Volunteer for historic, community and cultural activities; • Middle & high school science fair activities.

CIVIC and COMMUNITY PARTICIPATION:

- > Rutgers Sports Car Club, founding president, 1960-1962.
- > American Red Cross, blood donor, 1963-1990; • Apheresis donor, 1991–2011.

- > Boys Clubs of Boston, Staff Dentist, Boston, MA, 1965-1966.
- > Operation Head Start Dental Clinic, St. Louis University School of Dentistry, St. Louis, MO, 1966-1968.
- > Rutgers Alumni Association. • St. Louis, 1966-1968, • Francisco Bay Area, 1968-1970. • The Old Guard of Rutgers, 2012-**present**.
- > Harvard Club of San Francisco, 1968-1970.
- > Greenbrae (California) Greenbrae Civic Association, 1969-1970.
- > Temple Shalom, Newton, MA, 1973-1976.
- > St. Louis Symphony Orchestra, St. Louis Univ. Fundraiser, 1967-1968. **Mentor:** Eleazar Carvalho (1912-1996).
- > Public Television Station WGBH, Boston, MA, *Zoom* Volunteer, 1974-1976.
- > Opera Company of Boston, Recruiting Committee, 1971-1976. **Mentor:** Sarah Caldwell (1924-2006).
- > Sigma Alpha Mu (ΣAM) Fraternity. • Sigma Delta (ΣΔ) Chapter, Rutgers College, New Brunswick, NJ, House Manager; Historian/photographer 1959-1962. • Sigma Gamma (ΣΓ) Chapter, Tulane University, New Orleans, LA; • Founder and Chapter Co-Advisor, 1985-1990; • Housing Corporation Board Member, 1988-1989.
- Mu Delta (ΜΔ) Colony, University of Louisville, Louisville, Founder and Colony Advisor, 1990-1993.
- > Eastern Jaguar Group (E-Jag), Louisiana Consumer Coordinator, 1976-1981.
- > Public Radio Station WWNO-FM, New Orleans, LA 1976-1989. • Steering Committee, 1976-1978; • Advisory Board, 1981-1989; • Program Committee, 1981-1989; • Broadcast Engineering Committee, 1982-1989, Chair, 1987-1989; • National Public Radio Liaison Committee, 1982-1986; • Publicity Committee, 1983-1986; • Nominating Committee Chair, 1987-1989.
- > Pontchartrain Shores Civic Association, Metairie, Louisiana, 1976-1989. • Board of Governors, 1976-1989; • Education Committee, Chair, 1978-1980; • Sidewalk Committee, Chair, 1981-1987; • Highway Access Comm. Chair, 1982-1983; • Vice President, 1983; • President, 1984-1986; • Program Comm., Chair, 1988-1989.
- > Harvard Club of Louisiana, 1977-1989 • Scholarship Award Committee, 1983-1990; • Schools Committee, 1981-1989; • Secretary-Treasurer, 1986-1988; • Vice President, 1988-1989.
- > New Orleans Opera Association, 1977-1989; • New Orleans Opera Club, 1978-1987; Men's Club Special Projects Co-Chair, 1983.
- > New Orleans Symphony Orchestra, • Metairie Fundraiser, 1987-1989. **Mentors:** Bob Gross (1938-); Maxim Shostakovich (1938-).
- > Harold M. Keller School Parent-Teachers Group, 1977-1981. • Bylaws Committee, 1978-1979.
- > Jefferson Performing Arts Society, 1977-1989. • Board of Directors, 1986-1989; • Nominating Committee Chair, 1986-1989; • Artistic Endeavors Committee, 1987-1989; • Long-Range Planning Committee, 1987-1989.
- > Congregation Gates of Prayer, Metairie, LA, 1977-1990. • Board of Trustees, 1980-1986; • Founder, trustee and chair, Endowment Trust, 1980-1986; • House Committee, 1980-1981, 1984-1989; • Treasurer, 1982-1984; • Brotherhood Board, 1984-1986; 1988-1989. • Adult Education, Chair, 1984-89; • Chair, Publicity Committee, 1989.
- > Jefferson Committee for Better Schools, 1978-1982. • Chair, Personnel Policies Committee, 1978-1980; • Nominating Committee, 1981.
- > Americans United for Separation of Church and State, 1978-**present**. • National Advisory Council, 2004-2012. • Louisville Chapter, treasurer, 2007-2017.
- > Public Television Station WYES-TV, New Orleans, LA. • Showboat Auction Table Director, 1980-1989.
- > Jaguar Clubs of North America, 1982-**present**. • Jaguar Associates Group, San Francisco, 1969-1970. • E-Jag, New England, 1972-1977; • Jaguar Club of New Orleans 1981-1989; • Parliamentarian, 1981-1982; • Vice President & Editor, 1982-1983; • Social Chair, 1987-88; • Jaguar Drivers' Club, Area 51, Louisville 1990-2021. • Club Technician, 1993-2002; • Nominating Committee, 2012-2014. • Jaguar Club of Houston, 2021-**present**.
- > The Planetary Society, Charter Member, 1981-**present**.
- > New Orleans Jazz Club, 1981-2021. • Bb clarinet.
- > Metairie Park Country Day School. • Science Committee, 1982-1987; • Grade Captain, 1982-1983; • Parents Fund Co-Chair, 1983-1984.
- > Aircraft Owners and Pilots Association, Member No. 804,306; 1982-**present**.
<https://www.avweb.com/eletter/archives/102/2837-full.html?ET=avweb:e2837:298365a:&st=email#222184>
- > Airman, Private Pilot License, Airplane, Single Engine Land, May 28, 1983. • FAA WINGS Program, Stage 16.
 • Air Force ROTC–Rutgers. **Mentors:** Michael Y. Brill (1937-2017); Judy Jeanne Harris Cooper Maggiori Redshaw (1934-).
<https://www.avweb.com/eletter/archives/102/2837-full.html?ET=avweb:e2837:298365a:&st=email#222184>
- > Greater New Orleans Science and Engineering Fair, • Board of Directors, Region IX of Louisiana, 1983-1996; • Polymer Science & Applications, and Dental Science Awards. • Vice President, 1986-89; • President, 1989-1990.
- > Louisiana Science Centre, 1985-1989; Advisory Council, 1986-1990.
- > Mercedes-Benz Club of America. • New Orleans Section, 1983-89; • Rallymaster, 1989; • Board of Directors, 1985-86, 1987-89. • Bluegrass Stars Section, 1990-2021. • Treasurer & membership chair, 1994-2019. • Houston Section, 2021-**present**.
- > Louisville Regional Science & Engineering Fair, Inc. • Board of Directors, 1990-2021; • Printed program editor & publisher, 1992-2013; • Chair, committee to invite and host the International Science & Engineering Fair, 1994-96; 2018-2021; • First

- vice president, 2000-2012; • Student Relations Committee 2012-2014; • Marketing, Public Relations & Communications Systems Committee, 2012-2021. • Scientific Review & Safety Committee, 2015-2021; • Special Awards judge for the Dental Science Award, Automotive Science Award, Sigma Xi Award, and U.S. Metric Association Award, 1992-2021. • Committee Attract ISEF to Louisville, chair, 2019-2023. • Emeritus board member, 2021-**present**.
- > duPont Manual High School Regional Science Fair; • Board of Advisors, 2003. • Special Awards judge for the Dental Science Award, Automotive Science Award, and Sigma Xi Award, 2003-2020.
 - > SEF Kentucky, Inc. (International Science & Engineering Fair 1997 host committee). • Founding President, 1995-96; • Chair, Host Committee, 1995-1996; • Nobel Laureate Recruiter, 1997.
 - > Kentucky Science Fair Endowment, Inc. • Co-founder. • Board Member and Grants Committee, 1998-**present**; • Secretary, 2001-**present**.
 - > Society for Science (& the Public), Inc. (formerly Science Service, Inc.), Washington, DC; • ISEF Advisory Committee *ex officio*, 1995-1996. **Mentor:** Dudley Herschbach, (1932-). • Society for Science, 2011-**present**.
• Blog: <https://www.societyforscience.org/blog/society-alumnus-becomes-long-time-regional-science-fair-volunteer/>
 - > Louisville Public Media (Formerly Public Radio Partnership) (WFPL-WFPK-WUOL). • Fund Drive • Volunteer Pledge Producer, 1990-2008. • WUOL Community Advisory Board, 1999-2003; • Community Advisory Board, 2001-2008; Chair 2003-2007. • Originator of “Instrumental Partners Program.”
 - > Harvard Club of Louisville, 1990-2021; • School Committee, 1990-2021; • Harvard Book Award Committee, 1990-2021; • Program Committee, 1994-2021; • Treasurer, 2001-2017.
 - > South Fourth Street Association, 1990-**present** • Street Light project 1995 • History Committee chair, 2008-2021; • Fountain Court Design Competition Committee, 2011-2019. • “Engineered, Retrofitted, Wireless, Solar-Powered Streetlight System” Capstone Project No. ECE494, Electrical & Computer Engineering Dept., Speed School of Engineering, University of Louisville, 2019-20.
 - > Temple Shalom, 1991-2021. • Men’s Club, 1991-2021; • Endowment Committee, 2007-2011.
 - > Old Louisville Neighborhood Council; • Zoning & Land Use Committee, 1995-2021. • Property Improvement Committee 2000-2021.
 - > University Club of Louisville, 1990-2021. • Founding member. • Membership/Program Committee, 1993- 2012. • Gallery photo exhibitor 2002-2003.
 - > British Sports Car Club, Louisville 1992-2021.
 - > The Filson Club (Kentucky Historical Society), 1993-2003, 2010-2021.
 - > Kentucky Opera Association, 1990-2021. • Board of Directors, 1994-2001; 2013-2019; • Long Range Planning & Development; Entertainment; Finance; • Car Raffle Committee (1994-2004); • Special Events Committee, 2013-14; • Kentucky Opera Guild, Airport Committee, 1990-2015; • Car Raffle Co-chair 2015-16; • Executive Committee, 2015-16; • Education Committee 2018-2021. **Mentor:** Thomson Smalley (1942-2014).
 - > Friends of the School of Dentistry, University of Louisville, 1990-2002.
 - > Jewish Family & Vocational Service, • Board of Directors, 1993-1994.
 - > Preservation Louisville; • Preservation Kentucky, 1993-2021.
 - > National Trust for Historic Preservation, 1993-2022.
 - > Friends of the School of Music, University of Louisville, 1994-2021.
 - > Louisville Automobile Museum, 1995-97, • Museum Advisory Council, 1996-1997.
 - > Louisville Water Company, • Customer Advisory Council (Louisville Dental Society representative), 2002-2015.
 - > Kentucky Shakespeare Festival, • Board of Directors, 2002-2011, • Executive Committee, Member-at-Large, 2004-06; • Co-chair, Events Planning/Encouragement Committee, 2004-2007. • Stratford Society, 2015.
 - > U.S. Marine Hospital Committee, Louisville, 2003-**present**. • Charter member, Friends of Marine Hospital; Medical Heritage Discussion Group, 2004-2013. • Board member, Marine Hospital Foundation, 2013-2021; • Business Planning Committee 2014-2021. • National Historic Landmarks of Louisville Liaison, 2015-2021.
 - > Crane House, The Asia Institute, Louisville, 1991-1999, 2007-2014.
 - > 1798 Society, University of Louisville, 2008-2012.
 - > Italian Cultural Institute, Louisville, KY 2008-2014.
 - > Kentucky Medical Reserve Corps, Louisville Metro Department of Public Health & Wellness, 2010-2023.
 - > Louisville *Musica Toscana*, 2010-2012.
 - > Louisville Artisans Guild, juried member, 2011-2021.
 - > National Historic Landmarks of Louisville, representing the U.S. Marine Hospital, 2015-2021.
 - > Cessna Owner Organization, 2015-**present**.
 - > University of Louisville Association of Retired Personnel, 2016-**present**.
 - > OPERA America, 2017-**present**.
 - > Kentucky Science Center, Louisville Youth Sciences Summit, 2017-2021.
 - > Center for Neighborhoods, Louisville, 2018-2021.

- > Olmsted Parks Conservancy, Louisville, 2018-2021.
- > Experimental Aircraft Association, 2019-**present**.
- > Kentucky Science & Engineering Fair, • Virtual Judge, Biomedical Engineering, March 28, 2020.
- > Harvard Medical School / Harvard School of Dental Medicine 55th & 58th Reunion Committee, 2020-**present**.
- > Harvard University Club of Houston. • Schools & Scholarship Committee, • College Fair Committee, 2021-**present**.
- > The American Legion, U.S. Public Health Service and U.S. Coast Guard, 2022-**present**.
- > Houston *Chronicle* Media Group, Rampanel surveyor, (41 surveys), 2022-**present**.
- > Grand Lakes Community Association, 2021-**present**. • Architectural Control Committee, 2022-2023.
- > Science & Engineering Fair of Houston, • Biomedical Engineering lead judge, 2023-24, • Sigma Xi award judge, • Dental science award judge, 2024-**present**.
- > Opera in the Heights (Oh!) Houston, Texas. Board of Directors, 2023-**present**. Secretary, 2025-**present**.
- > Veterans History Project, U.S. Public Health Service, Library of Congress, American Folklife Center,
Sponsor: Congressman Troy E. Nehls, 2024.