

# Curriculum Vitae

## DAVID SARVER, DMD, MS

### Birmingham, AL

#### EDUCATION

1969-1973 Auburn University, B.S. Chemistry  
1973-1977 University of Alabama, School of Dentistry, D.M.D.  
1977-1979 University of North Carolina, Certificate and M.S. in Orthodontics

#### ACADEMIC HONORS AND ACTIVITIES

Squires sophomore academic honorary, Auburn University, 1970.

Representative to Southeast Regional meeting American Association of Dental Schools, Memphis, Tennessee, 1976.

Representative to Southeast Regional meeting American Association of Dental Schools, Birmingham, Alabama, 1977.

President, Freshman class, the University of Alabama School of Dentistry, 1973-74.

Student representative to the Student Government Association-Junior class, the University of Alabama School of Dentistry, 1975-76.

President, Student Government Association, the University of Alabama School of Dentistry, 1976-77

Membership, Omicron Delta Kappa, UAB circle, 1977.

Omicron Kappa Upsilon Dental Honorary, University of Alabama School of Dentistry, 1977.

Selected by Omicron Delta Kappa (University of Alabama in Birmingham) as the Outstanding Professional Student in the University of Alabama Medical Center as well as the Outstanding Student in the School of Dentistry, 1977.

University of North Carolina Orthodontic Alumni Research Award, 1979.

Honorable mention - Harry M. Sicher award for first time research paper, American Association of Orthodontists, 1980.

Diplomate- American Board of Orthodontics received 1988.

Member of the Midwestern component of the Edward H. Angle Society of Orthodontists.  
Member of the Study Committee appointed 1992.

Fellow- International College of Dentists, inducted November, 1993.

Fellow- American College of Dentists, inducted September 27, 1996.

The Salzmann Lecture-The annual meeting of the American Association of Orthodontists, Toronto, Canada

## **RESEARCH INTERESTS**

Computerization of treatment planning and prediction-digital algorithmic imaging

Orthognathic surgical techniques

Oro-nasal respiration and its relation to influences on cranio-facial growth.

Master's thesis, university of North Carolina-"Quantitative evaluation of nasal respiration in relation to facial morphology"

## **PUBLICATIONS**

1. VIG, PS, SARVER, DM, HALL, DJ, and WARREN, DW, "Quantitative Evaluation of Mode of Respiration in Relation to Facial Morphology." AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, VOL. 79, PP. 263-272, 1981.
2. WAITE, PM, MATUKAS, VJ, SARVER, DM, "Simultaneous Rhinoplasty in Orthognathic Surgery." INT J. ORAL AND MAXILLOFACIAL SURG.; 17:298-302.1988.
3. SARVER DM, JOHNSTON MW, MATUKAS, VJ, "Video Imaging in Orthognathic Surgery." J ORAL MAXILLOFAC SURG., 46: 939-945, 1988.
4. SARVER, DM, JOHNSTON, MJ, "Skeletal Changes in Vertical and Anterior Displacement of the Maxilla with Bonded Rapid Palatal Expansion Appliances." AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, VOL. 95, PP. 462-466, JUNE 1989.
5. HERNANDEZ-ORSINI, R., JACOBSON, A., SARVER, DM, BARTOLUCCI, A., "Short-term and Long-term Soft-Tissue Profile Changes After Mandibular Advancement Using Rigid Fixation Techniques." THE INTERNATIONAL JOURNAL OF ADULT ORTHODONTICS AND ORTHOGNATHIC SURGERY, VOL. 4:4, 1989.
6. SARVER, DM, "The Jack Anderson Lecture - The Interaction of Orthodontics and Facial Plastic Surgery" ARCH. OTOLARYNG HEAD NECK SURG. Vol. 115, May 1989.
7. SARVER, DM and JOHNSTON, MJ, "Video Imaging: Techniques for Superimposition of Cephalometric Radiography and Profile Images." THE INTERNATIONAL JOURNAL OF ADULT ORTHODONTICS AND ORTHOGNATHIC SURGERY. VOL, 5, NO. 4, 1990.  
Reprinted in Quintessence International, Italian Edition as "Technche de Produzione di immagini su video per la sovrapposizione di cefalogrammi e fotografie di profilo." Aprile, Anno VII, 1991.
8. SARVER, DM and WEISSMAN, SM, "Long-term Soft-Tissue Response to Lefort I Maxillary Superior Repositioning." THE ANGLE ORTHODONTIST, Volume 61, No. 4, Winter, 1991.  
Reprinted in ORTHODONTIE UND KIEFERORTHOPADIE, Heft Nr. 3.3 Quartal. Jahrgang 24, 1992. Germany.
9. WRIGHT, JT, WAITE, PM, MUENINGHOFF, L, and SARVER, DM, "Multi-Disciplinary Dental Management of Hypomaturation Amelogenesis Imperfecta," JOURNAL OF THE AMERICAN DENTAL ASSOCIATION, March 1991.
10. SARVER, DM, WEISSMAN, SM, and MATUKAS, VJ, "Incorporation of Facial Plastic Surgery in the Planning and Treatment of Orthognathic Surgical Cases." THE INTERNATIONAL JOURNAL OF ADULT ORTHODONTICS AND ORTHOGNATHIC SURGERY. Volume 6, No. 4, 1991.

11. SARVER, DM, "Video Imaging in Clinical Orthodontic Practice", PRACTICAL REVIEWS IN ORTHODONTICS, Volume 3, No. 2, June, 1991.
12. SARVER, DM, "Diagnosis and Treatment Planning of Hypodivergent Skeletal Pattern With Clockwise Occlusal Plane Rotation." INTERNATIONAL JOURNAL OF ADULT ORTHODONTICS AND ORTHOGNATHIC SURGERY, Volume 8, No.2, 1993.
13. SARVER DM, Videoimaging: The pros and the cons, Angle Orthodon 63:167-172,1993.
14. HAYES, RJ, SARVER, DM, and JACOBSON, AJ, "Quantification of Cervicomental Angle Changes With Mandibular Advancement", AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, Vol. 105, No. 4, April 1994.
15. SARVER, DM, " The Esthetic Impact of Orthodontics: Planning Treatment to Meet Patient's Needs." JOURNAL OF THE AMERICAN DENTAL ASSOCIATION, Vol. 124, November, 1993.
16. TWESME, DA, SARVER, DM, and MATUKAS, VJ, "Case Report-Combined Surgical and Orthodontic Treatment of an Anterior Open Bite." THE ANGLE ORTHODONTIST, Volume 62, No. 1, Spring, 1992.
17. SARVER, DM and JOHNSTON, MJ, "Orthognathic Surgery and Esthetics: Planning Treatment to Achieve Functional and Aesthetic Goals". BRITISH JOURNAL OF ORTHODONTICS. Volume 20, pages 89-96, 1993.
18. SARVER, DM and JOHNSTON, MJ, "Video Imaging Techniques- A Computer Facilitated Approach to Communication and Planning in Orthognathic Surgery." BRITISH JOURNAL OF ORTHODONTICS, Vol. 20, Pages 187-191,1993.
19. SARVER, DM, "Treatment of Congenitally Missing Teeth". Orthodontic Dialogue, American Association of Orthodontists, Volume 1, No. 1, Fall, 1992.
20. SINCLAIR, PM, KIPELAINEN, P, PHILLIPS, C, WHITE, RP, ROGERS, L, and SARVER, DM, "The Accuracy of Video Imaging in Orthognathic Surgery." AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS. Volume 107, No. 2, February, 1995
21. SARVER, DM, and WEISSMAN, SM; "Nonsurgical Treatment of Open Bite in Nongrowing Individuals." AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS, Vol. 108, No.6, December 1995.
22. SARVER, DM, "Orthodontics and Facial Esthetics" Aesthetic Surgery, Volume 14, No.1, Spring, 1994.
23. SARVER, DM; "L'impact esthetique de l'orthodontie-Strategie de traitement pour repondre aux attentes du patient." ORM NEWS, No. 10, Vol. 3, Ormodent S.A., Paris France, September, 1994.
24. SARVER, DM, "The role of orthodontics in facial esthetics" Healthscope Magazine, Birmingham Alabama November, 1994
25. SARVER, DM; "Rapid Palatal Expansion-Another Perspective" CLINICAL IMPRESSIONS, Volume 4, No. 1, March 1995.
26. SARVER, DM, "Nondiagnostic Uses for Videoimaging" CLINICAL IMPRESSIONS, Volume 4, No. 4, November 1995.
27. GEENTY JP, SARVER DM, "Case Report: A re-treatment with computer video imaging used as an aid in diagnosis and planning" Austr Orthodon J, Vol. 14 (2) 99-101, March 1996.

28. SARVER, DM, "Videocephalometric Diagnosis-a new concept in treatment planning" Am J Orthodon Dentofac Orthoped, Vol. 110, No. 2, August 1996.
29. UPTON PM, SADOWSKY PL, SARVER DM, HEAVEN TJ. Evaluation of video imaging prediction in combined maxillary and mandibular orthognathic surgery. Am J Orthod Dentofac Orthop; 112:656-665,1997.
30. WILLIAMS MD, SARVER DM, SADOWSKY PL, BRADLEY E., "Combined Rapid Maxillary Expansion and Protraction Facemask in the Treatment of Class III Malocclusions in Growing Children: A Prospective Long-term Study". Semin Orthodon , Vol. 3, No. 4 (December) 1997.
31. SARVER DM. Video-imaging and treatment presentation: medico-legal implications and patient perception. 1998; 113:360-363 (Ortho bytes)
32. ACKERMAN JL, PROFFIT WR, SARVER DM: The emerging soft tissue paradigm in orthodontic diagnosis treatment planning. Clin Orth. Res. 2, 1999; 49-52.
33. SARVER DM, SAMPLE LW, "How to avoid surgical failures" Semin Orthodon 1999; 5; 257-274.
34. SARVER, DM, ACKERMAN JL, "About Face-The re-emerging soft tissue paradigm" Am J Orthod Dentofac Orthoped, 117:575-6, 2000.
35. SARVER DM, "The face as determinant of treatment choice" Vol. 38, University of Michigan Craniofacial Growth series; pages 19-54. Ann Arbor, Michigan, 2001.
36. SARVER, DM, -"The smile arc-the importance of incisor position in the dynamic smile" Am J Orthod Dentofac Orthoped, 2001; 120:98-111.
37. DICKENS S, SARVER DM, PROFFIT WR: "The dynamics of the maxillary incisor and the upper lip: a cross-sectional study of resting and smile hard tissue characteristics." accepted for publication in the World Journal of Orthodontics.
38. JACOBSON RT, SARVER DM, The predictability of maxillary repositioning in Lefort I orthognathic surgery. Am J Orthod Dentofacial Orthop. 2002 Aug;122(2):142-54.
39. BAILEY, L , PROFFIT WR, BLAKEY GH, SARVER DM; Surgical modification of long face problems. Semin Orthodon 8:173-183, 2002
40. WESTWOOD PV ,MCNAMARA JA, BACETTI T,FRANCHI L, SARVER DM; Long term effects of Class III treatment with rapid maxillary expansion and facial mask therapy. Submitted to the Amer J Orthod Orthoped.

## **BOOK CHAPTERS**

1. SARVER, D.M., "The Interaction of Orthodontics in Facial Esthetics." THE TEEN FACE, AMERICAN ACADEMY OF FACIAL AND PLASTIC RECONSTRUCTIVE SURGERY, WASHINGTON, D.C. CHAPTER 11 ACROPOLIS PUBLISHERS, 1989.
2. SARVER, D.M., "Orthodontic Considerations in Lip Morphology,"Lip Surgery, STIENBERG, C.M., and CALHOUN, K.: CHAPTER, THIEME INC., New York, New York. Published December, 1991.
3. SARVER, D.M.," Videocephalometry", Radiographic Cephalometry: From Basics to Videoimaging, Quintessence Publishing Co. Inc., Carol Stream, Illinois.1995.

4. SARVER, D.M., "The Role of Orthodontics in the Treatment of Obstructive Sleep Apnea", ORAL AND MAXILLOFACIAL CLINICS OF NORTH AMERICA, Obstructive Sleep Apnea, W.B. Saunders, Boston, MA. 1995.
5. SARVER, D.M., "The diagnostic application of videoimaging technology in orthodontics-Videocephalometric prediction" Clark's Compendium of Clinical Dentistry, CV Mosby Co., St. Louis, Missouri. 1999
6. SARVER, D.M., "Videoimaging technology in orthognathic surgery" Orthognathic Surgery, Volume 2; ed. R Fonseca. Saunders, Inc 2000.
7. SARVER, D .M., ACKERMAN, J.P. and PROFFIT, W.R., "Diagnosis and Treatment Planning in Orthodontics-The modern soft tissue paradigm", Chapter 1 in Orthodontic Practice and Principles (3<sup>rd</sup> edition) edited by Dr. Tom Graber and Robert Vanarsdall, Harcourt, Brace, and Mosby, Inc. St. Louis. February 2000.
8. SARVER DM, ACKERMAN MB' "Visualization and quantification of the smile", Chapter to be published in The Art of the Smile" by Decker, Inc.

## **BOOKS**

ESTHETIC ORTHODONTICS AND ORTHOGNATHIC SURGERY- C.V. Mosby Co., St. Louis. MO., September 1997.

CONTEMPORARY TREATMENT of DENTOFACIAL DEFORMITY-C.V. Mosby, St. Louis. Editor and Coauthor with Dr. William R. Proffit and Dr. Raymond P. White, 2002.

## **COMPUTER SOFTWARE DEVELOPMENTS**

1. "CASES" CD-ROM developed in collaboration with Dr. Jim Hilgers, Ormco Corp. (Orange, CA) and Simstar Corp. (Tamarack, NJ) 1994.
2. "ORTHOGNATHIC SURGERY" CD-ROM developed in collaboration with Ormco Corp. (Orange CA) and Simstar Corp. (Tamarack, NJ), 1996.
3. Currently developing diagnostic, databasing and communication videoimaging software with OrthoTrac Inc., Atlanta, GA.
  - OrthoTrac Image
  - OrthoCat examination and databasing software

## **PROFESSIONAL PRESENTATIONS**

1. "APPEARANCE DRIVEN ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING" The Illinois Orthodontic Society, Chicago, Illinois, November 4, 2002.
2. "INTERDISCIPLINARY AESTHETIC CARE-THE DENTAL, ORTHODONTIC, AND SURGICAL CONNECTION" Leibnitz, Austria, October 19,2002.
3. "APPEARANCE DRIVEN ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING" The University of Graz, Graz, Austria. October 17-18, 2002.
4. "POWERPOINT PRESENTATIONS" and "PATIENT SPECIFIC ORTHODONTIC APPLIANCES" The Technology Conference, University of North Carolina, Raleigh, North Carolina, September 27-28.

5. "POWERPOINT PRESENTATIONS" The University of Michigan, Ann Arbor, MI. September 13, 2002.
6. "APPEARANCE DRIVEN ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING" The joint meeting of the Orthodontic Alumni of the University of Kentucky and University of Louisville. Louisville, KY, August 30, 2002.
7. "ESTHETIC ORTHODONTICS-SURGICAL AND NONSURGICAL" The European Society of Lingual Orthodontists. Berlin, Germany June 21, 2002.
8. "THE SOFT TISSUE PARADIGM" AND "UTILIZATION OF COMPUTERS IN ESTHETIC ORTHODONTIC TREATMENT PLANNING" Pre-Congress course with Dr William R. Proffit. The European Society of Lingual Orthodontists. Berlin, Germany June 19, 2002.
9. "APPEARANCE DRIVEN ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING" The annual meeting of the Alabama Association of Orthodontists. Orange Beach, AL, June 14, 2002.
10. "TECHNOLOGY IN ORTHODONTIC PRACTICE – WHAT IS APPROPRIATE IN THE USE OF TECHNOLOGY IN OUR PRACTICES?" and "INCORPORATING DIGITAL INTO YOUR PRACTICE" Scientific sessions. "POWERPOINT PRESENTATIONS" and "THE AGING FACE AND ITS IMPACT ON ORTHODONTIC TREATMENT PLANNING" Staff sessions. The Annual Session of the American Association of Orthodontists; Philadelphia, PA. May 5-6, 2002.
11. "APPEARANCE DRIVEN ORTHODONTIC DIAGNOSIS AND TREATMENT PLANNING" The annual meeting of the Indiana Association of Orthodontists. Indianapolis, IN, April 18, 2002.
12. "CONDYLAR RESORPTION" The University of Indiana Department of Orthodontics. Indianapolis, IN. April 17, 2002.
13. "INTEGRATING INFORMATION TECHNOLOGY INTO ROUTINE ORTHODONTIC PRACTICE" The 29<sup>th</sup> Annual Moyer's Symposium, Ann Arbor, Michigan. February 23, 2002
14. "THE ORTHODONTIC EXPERIENCE SOUTHERN STYLE" The Gorman Institute, Orlando, FL. February 2, 2002.
15. "TREATMENT OF CLASS III MAXILLARY DEFICIENCY WITH MAXILLARY PROTRACTION-A MULTI-SITE STUDY" The annual meeting of the Midwest Component of the Edwards H. Angle Society. Scottsdale, Arizona. February 6, 2002.
16. "CONDYLAR RESORPTION" and "APPEARANCE DRIVEN ORTHODONTIC TREATMENT PLANNING", the San Diego Society for the Study of Orthodontics. San Diego, CA. January 11, 2002.
17. "CONDYLAR RESORPTION" and "APPEARANCE DRIVEN ORTHODONTIC TREATMENT PLANNING" The Greater Philadelphia Orthodontic Society, Philadelphia, PA, November 7, 2001
18. "CONDYLAR RESORPTION" and "TREATMENT OF CLASS III MALOCCLUSION IN ADOLESCENTS", The Southern Society of Orthodontists, Orlando, FL, October 12, 2001.
19. "CONTEMPORARY TREATMENT PLANNING FOR ORTHOGNATHIC SURGERY" The McCallum Society of Orthodontists, Fort Morgan, Alabama, July 16, 2001.
20. "APPEARANCE DRIVEN DIAGNOSIS AND TREATMENT PLANNING" The Australian Society of Orthodontists-New South Wales Branch. Sydney, Australia. June 7-8, 2001.
21. "APPEARANCE DRIVEN DIAGNOSIS AND TREATMENT PLANNING" The Australian Society of Orthodontists-Victoria Branch. Melbourne, Australia. June 4, 2001.

22. "CURRENT CONCEPTS IN ARCH FORM AND MECHANOTHERAPY" Auckland, New Zealand. June 1, 2001.
23. "POWER POINT PRESENTATIONS" American Association of Orthodontists, Toronto, Canada, May 6, 2001.
24. "APPEARANCE DRIVEN ORTHODONTICS-THE NW SOFT TISSUE PARADIGM" The Salzman Lecture, American Association of Orthodontists, Toronto, Canada, May 6, 2001.
25. "CONTEMPORARY ORTHODONTIC/SURGICAL INTERDISCIPLINARY CARE:AN EMPHASIS ON AVOIDING SURGICAL FAILURES" The Fourth Joint Meeting of the Midwestern and Southwestern Components of The American Association of Oral and Maxillofacial Surgeons. Phoenix, AZ, April 21,2001
26. "THE SOFT TISSUE ENVELOPE" The 18<sup>th</sup> Biennial Meeting of the New-Conn Study Club, White Plains, New York. April 19, 2001.
27. "COMPUTER ASSISTED PREDICTIONS FOR ORTHOGNATHIC AND MAXILLOFACIAL COSMETIC SURGERY" Orthognathic Surgery and Orthodontics-The Third Millennium (UNC Symposium) Atlanta, GA, April 7, 2001.
28. "FACIAL AGING, MATURATION AND AGING AND IT'S IMPACT ON ORTHODONTIC TREATMENT PLANNING" The progressive Study Club, Lake Lanier, GA, April 6, 2001.
29. "THE E-OFFICE" University of Southern California Department of Orthodontics Alumni meeting, Los Angeles, CA. March 3, 2001.
30. "APPEARANCE AND ORTHODONTICS" The Annual meeting of The Century Club (University of Texas Orthodontic Alumni) , Houston, Texas; February 16,2001.
31. "ARE YOU THERE, DAVE?" The Gorman Institute (Ormco Corporation) Las Vegas, Nevada, February 9, 2001.
32. "CONTEMPORARY ORTHODONTICS" The annual meeting of the University of Alabama School of Dentistry Alumni Association meeting, Birmingham, AL. February 2, 2001.
33. "HOW TO USE POWERPOINT" AND " THE EDUCATIONAL CRISIS IN ORTHODONTICS". The annual meeting of the Midwest Component of the Edward H. Angle Society. Naples FL, January 29, 2001.
34. "THE RE-EMERGING SOFT TISSUE PARADIGM" and "COMPUTERS FOR INFORMATION MANAGEMENT and DIAGNOSTICS" and "ESTHETIC ORTHODONTICS AND ORTHOGNATHICS" The Annual meeting of the Swiss Orthodontic Society. Luzern, Switzerland. November 9-10, 2000.
35. "THE AGING FACE" and "CONDYLAR RESORPTION-LOCALIZED AND SYSTEMIC ETIOLOGIES" The 48<sup>th</sup> annual meeting of the Middle Atlantic Society of Orthodontists. Washington, D.C. October 21-22.
36. "SOFT TISSUE MATURATION AND AGING: IMPLICATIONS IN ADOLESCENT AND ADULT TREATMENT PLANNING" The 64<sup>th</sup> annual session of the Pacific Coast Society of Orthodontists, Reno, Nevada. October 2, 2000.
37. "POWERPOINT PRESENTATIONS" The annual meeting of the Southern Association of Orthodontists. Boca Raton, Florida. September 20, 2000.
38. "CONTEMPORARY ORTHOGNATHICS" The Spokane Surgical-Orthodontic Study Club. Spokane, Washington. September 15, 2000.

39. "EARLY PROTRACTION HEADGEAR THERAPY AND STUDIES" 21<sup>st</sup> annual meeting of the College of Diplomates of the American Board of Orthodontics, Halifax, Nova Scotia, Canada. July 17, 2000
40. "ESTHETIC ORTHODONTICS " The 1<sup>st</sup> Brazilian International Congress, Orto Rio Premium Rio de Janeiro, Brazil. July 8-10, 2000..
41. "FUTURE TECHNOLOGIES AND ORTHODONTIC PRACTICE", The 100<sup>th</sup> Annual meeting of the American Association of Orthodontists, Chicago Illinois. April 30, 2000.
42. "ESTHETICS AND ORTHOGNATHIC SURGERY", The 100<sup>th</sup> Annual meeting of the American Association of Orthodontists, Chicago Illinois. April 30, 2000.
43. "FACIAL IMAGING-PRESENT AND FUTURE", The 100<sup>th</sup> Annual meeting of the American Association of Orthodontists, Chicago Illinois. March 1, 2000.
44. "SOFTENING THE HARD ANGLE OF DIAGNOSIS" The Gorman Institute (Ormco Corporation) Orlando, FL, February 12, 2000.
45. "FACIAL IMAGING", the joint meeting of the American Association of Orthodontists, and the American Association of Oral and Maxillofacial Surgeons. Orlando, FL, February 4, 2000
46. "THE AGING FACE" The Midwest Component of the Edward H. Angle Society of Orthodontists, St. Thomas, VI, January 16, 2000.
47. "HOW TO USE POWERPOINT" Joint presentation with Dr. James McNamara, The Midwest Component of the Edward H. Angle Society of Orthodontists, St. Thomas, VI, January 16, 2000
48. "ADVANCES IN COMPUTER IMAGING" The 77<sup>th</sup> Annual Session of the Northeastern Society of Orthodontists. Boston, Massachusetts, December 5, 1999.
49. "CONDYLAR RESORPTION-ETIOLOGIES AND TREATMENT" The 77<sup>th</sup> annual session of the Southern Association of Orthodontists, Mobile, Alabama, November 7, 1999.
50. "ESTHETIC ORTHODONTICS AND ORTHOGNATHIC SURGERY". The Cleveland Association of Advanced Dentistry. Cleveland, Ohio, October 1-2, 1999
51. "CURRENT TRENDS IN PLANNING AND TREATING ORTHOGNATHIC PATIENTS" The McCallum Society of Oral and Maxillofacial Surgeons. Orange Beach, July 16, 1999.
52. "THE FACE AS DETERMINANT OF TREATMENT CHOICE" Keynote lecture at the 75<sup>th</sup> Congress of the European Orthodontic Society, Strasbourg, France. June 23, 1999.
53. "ESTHETICS IN CONTEMPORARY ORTHODONTICS AND ORTHOGNATHIC SURGERY" Societa' Italiana Do Ortodonzia (S.I.D.O.) Capri, Italy: May 28, 1999.
54. "CONTEMPORARY ESTHETIC ORTHODONTICS AND ORTHOGNATHIC SURGERY" The 99<sup>th</sup> Annual meeting of the American Association of Orthodontists, San Diego, California: May 17, 1999.
55. "CONTEMPORARY IMAGING IN ORTHODONTIC PRACTICE" The University of North Carolina, CE course sponsored by the UNC Department of Orthodontics, Chapel Hill, N.C. April 24, 1999.
56. "GROWTH, MATURATION AND AGING OF THE FACE" The Quebec Society of Orthodontists, Montreal, Canada, March 26, 1999.

57. "COMPUTERS AND THE TOTAL OFFICE MANAGEMENT PICTURE" Orthotrac Users meeting, Atlanta, Georgia March 12, 1999.
58. "CONTEMPORARY ORTHODONTIC PRACTICE-A FOCUS ON ESTHETICS, TREATMENT PLANNING, AND INFORMATION MANAGEMENT" International Symposium celebrating the 50<sup>th</sup> anniversary of the state of Israel, sponsored by the Orthodontic Society of Israel, Eilat, Israel, November, 1998.
59. "CONTEMPORARY ORTHODONTIC PRACTICE-A FOCUS ON ESTHETICS, TREATMENT PLANNING, AND INFORMATION MANAGEMENT " The 62<sup>nd</sup> annual meeting of the Pacific Coast Society of Orthodontists, Palm Springs, CA. November 1, 1998.
60. "FACIAL ESTHETICS: THE DETERMINANT FOR TREATMENT CHOICE" Joint annual session of the Middle Atlantic Society of Orthodontists and the Great Lakes Association of Orthodontists, Bermuda, October, 1998
61. "CONTEMPORARY ORTHODONTIC PRACTICE-A FOCUS ON ESTHETICS, TREATMENT PLANNING, AND INFORMATION MANAGEMENT" The Cleveland Association of Orthodontists. Cleveland, Ohio. September 2, 1998.
62. "COMPUTER TECHNOLOGY FOR NOVICES AND NERDS" The University of Michigan, Department of Orthodontics, Ann Arbor, Michigan; September 17-18, 1998.
63. "THE CUTTING EDGE IN ORTHODONTICS-ESTHETICS" International Symposium at St. Louis University Department of Orthodontics. St. Louis, Missouri, July 25, 1998.
64. "CONDYLAR RESORPTION" and "GROWTH, MATURATION, AND AGING OF THE FACE" The annual meeting of the Baylor Orthodontic Alumni. San Antonio, Texas, June 19-20, 1998.
65. "THE NEW PATIENT PROCESS FOR THE 21<sup>ST</sup> CENTURY" and "EFFICIENCIES IN PRACTICE" The 13<sup>th</sup> Annual East Coast Meeting of Progressive Concepts. Myrtle Beach, S.C., June 12-13, 1998.
66. "EFFECTIVE PRESENTATIONS USING *PowerPoint*" The 2<sup>nd</sup> Annual Technology Conference in conjunction with the 98<sup>th</sup> Annual meeting of the American Association of Orthodontists, Dallas, Texas: May 14, 1998.
67. "THE USE OF COMPUTERS FOR IMPROVING ORTHODONTIC PRACTICE EFFICIENCIES" The 2<sup>nd</sup> Annual Technology Conference in conjunction with the 98<sup>th</sup> Annual meeting of the American Association of Orthodontists, Dallas, Texas: May 15, 1998.
68. "COMPUTERS IN STREAMLING THE ORTHODONTIC OFFICE" The 2<sup>nd</sup> annual Technology Conference of the American Association of Orthodontists. Dallas, Texas, May 14, 1998.
69. "THE DIGITAL ORTHODONTIC OFFICE" Annual Session, The New Jersey Association of Orthodontists. Woodbridge, New Jersey, March 25, 1998.
70. "IMAGING AND COMMUNICATION" The National OrthoTrac Users Meeting, Atlanta, GA, March 6, 1998.
71. "CONTEMPORARY ORTHODONTIC PRACTICE-A FOCUS ON ESTHETICS, TREATMENT PLANNING, AND INFORMATION MANAGEMENT" The 38<sup>th</sup> Annual meeting of the Florida Association of Orthodontists, Tampa, Florida. March 1-2, 1998.
72. "THE DIAGNOSTIC APPLICATIONS OF VIDEOIMAGING IN ORTHODONTIC PRACTICE" The Gorman Institute (Ormco Corporation), Orlando, Florida. February 7, 1998.

73. "THE CHANGING PRACTICE ENVIRONMENT-DO WE JOIN, CHANGE, OR REMAIN THE SAME?" 8<sup>th</sup> International State of the Art Symposium, The Future of the Orthodontic Delivery System, University of Connecticut, Hartford, CN. January 30, 1998.
74. "ORTHODONTICS IN SLEEP APNEA", "TREATMENT OF CLASS III IN ADOLESCENTS", "CONDYLAR RESORPTION" "OPEN BITE TREATMENT" Southern Ontario Surgical Orthodontic Group, Windsor, Ontario, Canada. November 7-8, 1997.
75. "THE FACE: INTERDISCIPLINARY APPROACHES TO TREATMENT AND PLANNING" University of North Carolina Orthodontic Alumni sponsored meeting 2002. Research Triangle, North Carolina. October 11, 1997.
76. "CONDYLAR RESORPTION-LOCALIZED AND SYSTEMIC ETIOLOGIES" The 32<sup>nd</sup> Biennial Meeting of the Edward H. Angle Society of Orthodontists, Williamsburg, VA. September 23, 1997
77. "THE DIGITAL OFFICE" The Graduate Orthodontic Residents Program (GORP). Ohio State University, Columbus, Ohio. August 9, 1997.
78. "THE DIGITAL OFFICE" The University of Washington (Seattle) Alumni Meeting, Seattle, WA, July 27, 1997
79. "ESTHETIC ORTHODONTICS AND ORTHOGNATHICS" University of Indiana, Indianapolis, IN, June 27, 1997
80. "ESTHETIC ORTHODONTICS AND ORTHOGNATHICS" The 13<sup>th</sup> Annual Jarabak Lecture, The University of Michigan, Ann Arbor, MI, May 30, 1997
81. "COMPUTERS IN ORTHODONTICS-THE CLINICAL AND BUSINESS CONNECTIONS" 97<sup>th</sup> Annual meeting of the American Association of Orthodontists, Philadelphia, PA. May 1, 1997
82. "THE FACE AS THE DETERMINANT OF TREATMENT CHOICE" 97<sup>th</sup> Annual meeting of the American Association of Orthodontists, Philadelphia, PA. May 5, 1997
83. "WHAT SHOULD WE EXPECT AS OUR ORTHOGNATHIC CASES CONTINUE TO AGE?" 16<sup>th</sup> Biennial Growth Seminar, New-Conn Study Club, White Plains, New York. April 11, 1997
84. "IMAGING TECHNIQUES FOR DIAGNOSIS AND TREATMENT PLANNING OF PATIENTS WITH CRANIOFACIAL DEFORMITIES: USES AND LIMITATIONS" 54<sup>th</sup> Annual meeting of the American Cleft Palate and Craniofacial Association. New Orleans, LA. April 9, 1997.
85. "ORTHODONTICS AND ESTHETICS" The Toronto Orthodontic Club, Toronto, Canada. April 4, 1997.
86. "CONDYLAR RESORPTION-LOCAL AND SYSTEMIC ETIOLOGIES AND TREATMENT", The Midwest Component of The Edward H. Angle Society, Naples, Florida. February 12, 1997.
87. "DECISION 97-POSITIONING YOUR PRACTICE" The Gorman Institute, Ormco Corporation Symposium on practice development and management. Phoenix, Arizona. February 6, 1997.
88. "VIDEOPLANNING IN ESTHETIC ORTHODONTICS" Annual meeting of the Columbia Orthodontic Alumni Association. New York, New York. January 25, 1997.
89. "ORTHODONTICS AND ESTHETICS" Annual meeting of the Southern California Component of the Edward H. Angle Society, Pasadena, California. January 13, 1997.
90. "ORTHODONTICS AND ESTHETICS" Annual meeting of the Minnesota Association of Orthodontists, Minneapolis, Minnesota. January 10-11, 1997.

91. "SOFT TISSUE GROWTH AND ITS' CLINICAL IMPACT ON ADOLESCENT TREATMENT", The Joe D. Peak Memorial Lecture. "CONTEMPORARY ORTHODONTIC TREATMENT PLANNING" the 76th Annual session of the Southwest Association of Orthodontists, Austin, Texas. November 1-2, 1996
92. "THE SURGICAL CD-ROM" Insiders Meeting, Ormco Corporation, Cancun, Mexico. September 9,1996
93. "ORTHODONTICS AND ESTHETICS" 35th Annual Meeting of the Virginia Association of Orthodontists, Virginia Beach, VA, June 30-July 1, 1996
94. "THE FACE AND INTERDISCIPLINARY TREATMENT" American Association of Orthodontics, 96th Annual Session, Denver, CO. May 13, 1996
95. "CONTEMPORARY ORTHOGNATHIC AND ORTHODONTIC TREATMENT" Joint meeting of the Georgia Association of Orthodontists and Georgia Association of Oral and Maxillofacial Surgery, Chateau' Elan, GA. April 19, 1996.
96. "SYSTEMATIC DENTOFACIAL EVALUATION AND TREATMENT PLANNING IN ORTHOGNATHIC SURGERY" University of Michigan Symposium on Orthognathic Surgery, Ann Arbor, Michigan. April 11-12, 1996.
97. "CONDYLAR RESORPTION" Alabama Dental Association Meeting, Park City, Utah. March 26, 1996.
98. "CONDYLAR RESORPTION" AND "ORTHODONTICS FOR THE SURGICAL TREATMENT OF SLEEP APNEA" *FACES* seminar, Beaver Creek, CO.
99. "SYSTEMATIC FACIAL ANALYSIS IN ORTHODONTICS" University of Southern California, 2 day Symposium, Los Angeles, CA. February 9-10, 1996.
100. "COORDINATION OF COMPUTERIZED DATABASING PROGRAMS AND VIDEOIMAGING IN ORTHODONTICS" Post-conference symposium in Maui, Hawaii. February 13-14, 1996.
101. "ORTHODONTICS AND ESTHETICS" Colorado Association of Orthodontists meeting in conjunction with the Denver Midwinter meeting, Denver, CO. December 13, 1996.
102. "TRENDS IN COMPUTERIZED ORTHOGNATHIC PLANNING" The Annual Meeting of the McCallum Society of Oral Surgeons, Perdido Beach, Alabama. August 12,1995.
103. "CONTEMPORARY ORTHODONTIC TREATMENT PLANNING" 2-day course sponsored by Ormodent France; Paris, France. June 4 and 5, 1995.
104. "AN ORTHODONTIST LOOKS AT FACIAL ESTHETICS IN ORTHOGNATHIC CASES" 95th American Association of Orthodontists Annual Session and 4th International Orthodontic Congress. San Francisco, California. May 17, 1995.
105. "DATABASING PROGRAM AND CLINICAL EXAMS: INTEGRATION INTO FLOW CHARTS FOR DOCUMENTATION AND STREAMLINED TREATMENT PLANNING" 95th American Association of Orthodontists Annual Session and 4th International Orthodontic Congress. San Francisco, California. May 16th, 1995.
106. "LONG TERM RESPONSES TO ORTHOGNATHIC AND SOFT TISSUE SURGERY" 15th Biennial Growth Seminar, New-Conn Orthodontic Study Group, White Plains, New York. April 28, 1994.
107. "MAXILLOFACIAL REALIGNMENT' and "ORTHOGNATHIC INDICATIONS AND CONTRAINDICATIONS IN THE AGING PATIENT" Interdisciplinary Symposium on Rejuvenative Plastic Surgery of the Face, Neck, Scalp, and Nose, Birmingham, Alabama. April 2, 1995.

108. "FACES FOR BRACES" and "CONTEMPORARY ORTHOGNATHICS AND ORTHODONTICS-COORDINATION OF TREATMENT PLANNING, Alabama Dental Association, Breckinridge, Colorado, March 29, 1995.
109. "DIAGNOSIS AND TREATMENT PLANNING FOR ORTHOGNATHIC SURGICAL PATIENTS, ILLUSTRATING THE USE OF VIDEO IMAGING" and " TREATMENT OF LONG FACED PATIENTS, INCLUDING THE CORRECTION OF NASAL DEFORMITY", The Second Singapore International Orthodontic Congress, Singapore, Singapore, March 24, 1995.
110. "ORTHODONTICS AND ESTHETICS" Ohio State University Orthodontic Alumni Meeting, Columbus, Ohio, March 3-4, 1995
111. "WHY DID WE BECOME ORTHODONTISTS ANYWAY?" The Gorman Institute (Ormco Corporation), Palm Springs, California. January 31, 1995.
112. "ORTHODONTICS AND FACIAL ESTHETICS IN THE GROWING PATIENT" and "VIDEOCEPHALOMETRIC DIAGNOSIS AND TREATMENT PLANNING" Northeastern Society of Orthodontics Meeting 73rd Annual Meeting, New York City, New York. December 2-3, 1994.
113. "NAVIGATING THE GRAY ZONE" Two Day Symposium, University of Minnesota, Minneapolis, Minnesota. November 18 and 19, 1994.
114. "ORTHODONTICS WITH A CLINICAL EMPHASIS" Illinois Orthodontic Society, Chicago, Illinois. November 14, 1994.
115. "THE FACE AND INTERDISCIPLINARY TREATMENT" 73rd Annual Session of the Southern Association of Orthodontists. Charleston, South Carolina. November 7, 1994.
116. "BRACES AND FACES-HOW DO YOU GET TO THE RIGHT PLACES?" 73rd Annual Session of the Southern Association of Orthodontists. Spouses and Staff Session. Charleston, SC. November 7, 1994.
117. THE DONALD SPRING MEMORIAL LECTURE, Australian Society of Orthodontists Foundation, 2-day lecture and 2-day hands-on course on computerized video imaging. Sydney, Australia. October 8-11, 1994
118. "VIDEOIMAGING IN CLINICAL ORTHODONTIC PRACTICE" 26th Annual Meeting of the Louisiana Orthodontic Association, New Orleans, LA. August 27, 1994.
119. "VIDEOIMAGING IN ORTHODONTICS AND THE 1990'S "Sixteenth annual meeting of The College of Diplomates of the American Board of Orthodontics, Lake Sagamore, New York. July 20, 1994.
120. "ORTHODONTICS AND FACIAL ESTHETICS" 9th Annual Thomas J. Zwemer Lecture, Medical College of Georgia Orthodontic Alumni Meeting. Augusta, Georgia. June 24 and 25, 1994.
121. "VIDEOIMAGING IN ORTHOGNATHIC SURGERY" University of North Carolina Residents Conference, Chapel Hill, NC. May 19, 1994.
122. "ORTHODONTICS AND FACIAL ESTHETICS" "RAPID PALATAL EXPANSION-WHAT'S NEW?" One and a half day course, Marquette University, Milwaukee, Wisconsin. May 16-17, 1994.
123. "VIDEOIMAGING IN ORTHOGNATHIC SURGERY" University of North Carolina Joint Conference for Orthodontic and Oral and Maxillofacial Residents. Chapel Hill, NC. May 21, 1994.
124. "ORTHODONTICS AND FACIAL ESTHETICS" One-day hands-on course, 94th Annual Session of the American Association of Orthodontists, Orlando, Florida. April 29-30, 1994.

125. "MAXIMIZING ESTHETICS IN ORTHOGNATHIC SURGERY "Joint meeting of Washington Orthodontists and Oral Surgeons, Falls Church, VA. February 18, 1994.
126. VIDEOIMAGING-IS IT FOR MY PRACTICE?" The Gorman Institute (Ormco Corporation) Palm Springs, California. January 31, 1994.
127. "VIDEOIMAGING-CAN TREATMENT RESULTS BE PREDICTED?" University of California San Francisco, The Wendell Wylie Lecture, San Francisco, CA. January 21, 1994.
128. "COMPUTERIZED VIDEO IMAGING IN ORTHODONTICS AND ORTHOGNATHICS" Emory School of Medicine 3-day course "Changing Facial Esthetics" Atlanta, Georgia. December 4, 1993.
129. "TRENDS AND RESEARCH IN VIDEOIMAGING" Biennial Meeting of the Edward H. Angle Society of Orthodontists, Asheville, North Carolina. October 23, 1993.
130. "ORTHODONTICS AND FACIAL COSMETIC SURGERY" 75TH Annual Meeting of the American Association of Oral and Maxillofacial Surgeons, Orlando, Florida. September 30, 1993.
131. "CONTEMPORARY ORTHOGNATHIC SURGERY" Ormco Insiders Meeting, Sedona, New Mexico. September 15, 1993.
132. "ORTHODONTIC AND FACIAL ESTHETICS" 57th Annual Session of the Pacific Coast Society of Orthodontists. San Francisco, California. September 7, 1993.
133. "ORTHODONTICS AND FACIAL ESTHETICS" One-day hands-on course, 93rd Annual Session of the American Association of Orthodontists, Toronto, Canada. May 15, 1993.
134. "ORTHODONTICS AND FACIAL ESTHETICS" Essayist, 93rd Annual Session of the American Association of Orthodontists, Toronto, Canada. May 17, 1993.
135. "ORTHODONTICS, ORTHOGNATHICS AND ESTHETICS" One and a half day course, Temple Orthodontic Alumni Association, Philadelphia, Pennsylvania. March 5, 1993
136. "VIDEO IMAGING-ARTS & SCIENCE" University of North Carolina CE course, multiple speakers, Chapel Hill, NC. February 26 and 27, 1993.
137. "THRIVE OR SURVIVE-PRACTICE IN THE 1990's. THE USE OF VIDEO TECHNOLOGY IN THE ORTHODONTIC PRACTICE" AAO's Practice Management Conference, Philadelphia, Pennsylvania. February 7, 1993.
138. "ORTHODONTICS, ORTHOGNATHICS AND ESTHETICS" One day course, 52nd Annual Convention of the Puerto Rican College of Dentists, San Juan, Puerto Rico. January 23, 1993.
139. "BONDED RAPID PALATAL EXPANSION" Enrichment Seminar Series, University of North Carolina, Dept. of Orthodontics, Chapel Hill, North Carolina. November 18, 1992.
140. "ORTHODONTICS AND ESTHETICS" Birmingham District Dental Society, Birmingham, Alabama. November 3, 1992.
141. "RHINOPLASTY AND ORTHOGNATHIC SURGERY" American Academy of Facial Plastic and Reconstructive Surgery Meeting- RHINOPLASTY '92. Birmingham, Alabama. October 24, 1992.
142. "ORTHODONTICS WITH A CLINICAL EMPHASIS" Annual Meeting of the Greater Philadelphia Orthodontic Society, Philadelphia, Pennsylvania. October 28, 1992.

143. 71ST ANNUAL MEETING OF THE SOUTHERN ASSOCIATION OF ORTHODONTIST Lexington, Kentucky. October 10-13, 1992. Lectures presented:  
 “Facial Esthetics in Orthodontics”  
 “Bonded Rapid Palatal Expansion”  
 “Non-Surgical Treatment of Skeletal Dysplasia”  
 “Rigid Fixation in Surgical Orthodontics”  
 “Clinical Pearls”
144. “ENHANCED COMMUNICATION FOR IMPRESSIVE CASE PRESENTATIONS” Seventh Annual East Coast Convention for the Professional Orthodontic Team. Myrtle Beach, South Carolina. June 27-28, 1992.
145. “THE FACE” Main Speaker at the Annual Meeting, British Society for the Study of Orthodontics Presidential Meeting at the Royal College of Surgeons, London, England. June 5, 1992.
146. “ORTHODONTICS WITH AN EMPHASIS ON ESTHETICS” One-day course, The Irish Orthodontic Society. Dublin, Ireland. June 8, 1992.
147. “ORTHODONTICS, ORTHOGNATHIC SURGERY, and IMAGING TECHNIQUES” One day Enrichment Seminar Series, University of Pittsburgh, Department of Orthodontics and Department of Oral and Maxillofacial Surgery. March 21, 1992.
148. “CONTEMPORARY ORTHOGNATHIC SURGERY-ORTHODONTICS AND ORTHOGNATHICS IN RIGID FIXATION ENVIRONMENT” Joint meeting of the Mississippi Oral and Maxillofacial Surgical Society and the Mississippi Association of Orthodontics. Jackson, Mississippi. February 15, 1992.
149. “VIDEO IMAGING UPDATE- A MINI PAPER” and “THE QUANTIFICATION OF CERVICOMENTAL ANGLE CHANGES FOLLOWING MANDIBULAR ADVANCEMENT.” Meeting of the Midwest Component of the Edward H. Angle Society of Orthodontists, Chicago, Illinois. January 19-22, 1992.
150. ***Orthodontics 2001: A Clinical Conference.*** “ORTHOGNATHIC SURGERY WITH AN EMPHASIS ON ESTHETICS.” The University of North Carolina Alumni 40th Anniversary Meeting. Raleigh, North Carolina. A two-day conference with multiple speakers. November 15, 1991.
151. “THE INTERACTION OF SOFT TISSUE PRINCIPLES OF GROWTH AND TREATMENT INORTHODONTIC AND ORTHOGNATHIC TREATMENT GOALS” One-day course. Case Western Reserve University, School of Dentistry, Cleveland, Ohio. September 14, 1991.
152. “ORTHODONTICS AND ORTHOGNATHICS-ENDODONTIC IMPLICATIONS” State meeting of the Alabama Association of Endodontists, Gulf Shores, Alabama. June 11, 1991.
153. “ORTHODONTICS, ORTHOGNATHICS, AND ESTHETICS” 8th District Dental Society, Huntsville, Alabama. May 5, 1991.
154. “VIDEO IMAGING TECHNIQUES FOR SUPERIMPOSITION OF CEPHALOMETRIC RADIOGRAPHY AND PROFILE IMAGES” Edward H. Angle Society of Orthodontics, Midwest Component Annual Meeting, Sanibel, Florida. February 13, 1991.
155. “RIGID INTERNAL FIXATION: IT’S USE AND COMPLICATIONS IN ORTHOGNATHICS AND ORTHODONTICS” Main Program, Annual Meeting of the University of Alabama Orthodontic Alumni, Birmingham, Alabama. February 1, 1991.
156. “ORTHODONTICS, ORTHOGNATHICS, AND IMAGING” Main Program, 25th Annual Meeting of the University of North Carolina Orthodontic Alumni, Raleigh, North Carolina. November 1990.

157. "ORTHODONTICS, ORTHOGNATHICS, AND ESTHETICS" Central Florida Dental Society, West Palm Beach, Florida. September 29, 1990.
158. "IMAGING AS A DIAGNOSTIC TOOL" The First International Conference on Oral and Maxillofacial Surgery, University of Alabama School of Dentistry, Department of Oral and Maxillofacial Surgery. Birmingham, Alabama. April 1, 1990.
159. "THE USE OF VIDEO IMAGING IN TREATMENT PLANNING" and "THE BONDED RAPID PALATAL EXPANSION APPLIANCE" Annual Meeting of the Georgia Association of Orthodontics, Atlanta, Georgia. March 25, 1990.
160. "LONG TERM SOFT TISSUE RESPONSE TO LEFORTE I MAXILLARY SUPERIOR REPOSITIONING" Edward H. Angle Society of Orthodontists, Midwest Component Annual Meeting. Indianapolis, Indiana. January 23, 1990.
161. "THE INTEGRATION OF ORTHOGNATHICS, COMPUTERIZED VIDEO IMAGING AND FACIAL PLASTICS IN ORTHODONTIC TREATMENT PLANNING" One day course, King's College at Kingston Hospital, London, England. June 17, 1989.
162. "TREATMENT PLANNING CONSIDERATIONS IN ORTHOGNATHIC TREATMENT PLANNING, VIDEO IMAGING-USSES AND PITFALLS" 49th Annual Meeting of the Southeastern Society for Oral and Maxillofacial Surgeons, Sea Island, Georgia. May 4-5, 1989.
163. "THE INTERACTION OF ORTHODONTICS AND ORTHOGNATHIC SURGERY IN FACIAL ESTHETICS" American Academy of Facial Plastic and Reconstructive Surgery. The Jack Anderson Lecture, Washington, D.C. September 24, 1988.
164. "VIDEOIMAGING IN ORTHOGNATHIC SURGERY" Edward H. Angle Society of Orthodontics, Midwest Component Annual Meeting, Minneapolis, Minnesota. January 25, 1988.
165. "THE USE OF HYDROXYLAPATITE IN ORTHOGNATHIC SURGERY" American Association of Orthodontists 86th Annual Meeting, Main Program, Chicago, Illinois. May 12-13, 1985.
166. "CURRENT CONCEPTS OF EARLY SKELETAL ORTHODONTIC AND ORTHOPEDIC TREATMENT" Alabama 5th District Dental Society, Montgomery, AL. March 28, 1985.
167. "TREATMENT PLANNING PROBLEMS IN ORTHOGNATHIC SURGERY CASES" Alabama Society of Oral and Maxillofacial Surgeons Annual Meeting., Chairman, Department of Oral Surgery. Panama City, Florida. September 2, 1983.
168. "FUNCTIONAL APPLIANCES" Red River Orthodontic Society, Houston, Texas. February 10, 1983.
169. "SURGICAL ORTHODONTICS" Alabama 5th District Dental Society, Montgomery, Alabama. February 18, 1982.
170. "SURGICAL ORTHODONTICS" Ramage Study Club (Decatur Alabama Area Dental Society), Decatur, Alabama. April 2, 1982.
171. "SURGICAL ORTHODONTIC TREATMENT OF DENTOFACIAL DEFORMITY" Florida 7th District Dental Society, Fort Walton, Florida. May 23, 1981.
172. "QUANTITATIVE EVALUATION OF MODE OF RESPIRATION IN RELATION TO FACIAL MORPHOLOGY" The Annual Meeting, American Association of Orthodontists, New Orleans, 1980.

## ACADEMIC APPOINTMENTS

Adjunct professor, Department of Orthodontics, University of North Carolina School of Dentistry, 1992-present.

Clinical Associate Professor, Department of Orthodontics, University of Alabama School of Dentistry, 1979-1995.

Director, Surgical-orthodontic teaching and clinical programs, University of Alabama School of Dentistry. Appointed 1988-1995.

Surgical consultant to Veterans' Administration hospital, Birmingham, Alabama. 1979-1983.

## **OFFICES, COMMITTEES and SERVICE**

### **AAO Council**

Council on Library Resources Of American Association Of Orthodontists. Appointed in 1988 for seven-year term completed in 1995.

### **Alabama Association of Orthodontists**

TMJ Legislation Committee, Alabama Dental Association Special Committee. Appointed 1989.

Search Committee for Chairman, University of Alabama Department of Orthodontics, 1991.

Chairman, Special Committee for Blue Cross-Blue Shield and Alabama Association of Orthodontists 3rd Party Interaction

Chairman, Sterilization Committee, Alabama Association of Orthodontists. Organized statewide conference on new OSHA regulations held in Montgomery . Also co-developed manuals for OSHA and Sterilization Guidelines for statewide distribution and use, 1992.

Search Committee for the McCallum Endowed Chair-University of Alabama in Birmingham School of Dentistry. 1999.

### **AAO Foundation**

American Association of Orthodontists Foundation, State Director for Alabama. 1990-1993.

Regent-AAOF 1998

### **University of North Carolina Orthodontic Alumni Association**

Research Evaluation Committee, University of North Carolina Orthodontic Alumni Association. Appointed in 1989.

Chairman, Research Evaluation Committee, University of North Carolina Orthodontic Alumni Association, 1992-1993.

Local Arrangements Chairman, University of North Carolina Orthodontic Alumni Association, 1991-1992.

Secretary Treasurer, University of North Carolina Orthodontic Alumni Association, 1993-1994.

Vice President, University of North Carolina Orthodontic Alumni Association, 1994-1995.

President, University of North Carolina Orthodontic Alumni Association, 1995-1996.

### **Edward H. Angle Society**

Chairman, Study Committee, 1998-2001. Midwest Component of the Edward H. Angle Society of Orthodontists. Appointed to Committee in 1993.

### **Alabama Association of Orthodontists**

Secretary-Treasurer, Alabama Association of Orthodontists, 1993-1994.

Vice-President, Alabama Association of Orthodontists, 1994-1995.

President, Alabama Association of Orthodontists, 1995-1996.

### **Editorial Boards**

Editorial Board-Seminars In Orthodontics, W. B. Saunders, 1994-Present.

Editorial Board-Healthscope Magazine, Birmingham, Alabama, 1993-1996.

### **Service to Orthodontics**

Member-Joint Planning Committee for the organization of the 1996 Joint Clinical Congress of the American Association of Orthodontists and the American Association of Oral And Maxillofacial Surgeons.

Planning Committee Chairman- The 1<sup>st</sup> Technology Conference. for the annual meeting of the American Association of Orthodontics. 97th Annual Session, Philadelphia, PA, 1997.

Planning Committee Chairman- The 2<sup>nd</sup> Technology Conference. for the annual meeting of the American Association of Orthodontics. 98th Annual Session, Dallas, Texas, 1998.

Chairman- Planning Committee for the Technology Conference for the Southern Association of Orthodontists, November 1999.

Chairman- Planning Committee for the Technology Conference for the Southern Association of Orthodontists, November 2000.

Member-at-Large, AAO Technology Visioning Task Force, March 10-12, St. Louis, Missouri

Chairman- Technology Committee for the Southern Association of Orthodontists-task to evaluate needs for the Central Office and long term projection of these needs and Web site evaluation and development

**Community Service**

Director of Fundraising- Dental Professionals, United Way, 1994.

Member-Executive Board of The Exceptional Foundation- Mission to ongoing activities, facilities, and care for handicapped children in Birmingham, Alabama, 1998.