## CURRICULUM VITAE as of Feb 2014

# Fred C. Quarnstrom, D.D.S., F.A.D.S.A., F.A.G.D., F.I.C.D., F.A.C.D., C.D.C.

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Place and date of birth: Yakima, WA - October 12, 1940

## Pre Doctoral Education:

Sunnyside Grade School, Sunnyside, WA Sunnyside High School, Sunnyside, WA University of Washington, College of Arts and Sciences, 1958-1959 University of Washington, Dental School, 1960-1964

## Post Doctoral Education:

Residency in General Anesthesia, Washington Hospital Center, 110 Irving St., Washington D.C.

Summer Institute on Clinical Dental Research Methods, Department of Dental Public Health Sciences,
School of Dentistry, University of Washington, July-August 1992 240 hours

Periodontal study club 1983 - 1985 210 hours

TMJ Dysfunction study club 1986 - 40 hours

Mini Endodontics Residency 1994 - 64 hours

Dental Material Study Club 1990 to present 20 hours each year

Continuing Dental Education courses attended - 3600 hours 1980 to 2013

Licensed to practice: State of Washington

## Member of:

American Dental Association, Seattle-King County Dental Society, Washington State Dental Association, Delta Sigma Delta, American Dental Society of Anesthesiology, Academy of General Dentistry, International College of Dentistry, American Society of Dental Anesthesiologists, American Association of Dental Consultants, American College of Dentistry

## Fellowships - Diplomate - Certification

Fellow in General Anesthesia, American Dental Society of Anesthesiology, 1980 Fellow, Academy of General Dentistry, 1984 Fellow, International College of Dentistry, 1989 Diplomate, American Dental Board of Anesthesiology, 1996 – 2010 retired Certified Dental Consultant, American Association of Dental Consultants 1999 Diplomate National Dental Board of Anesthesiology 2002 - retired 2012 Fellow, American College of Dentistry, 2005

### Honors:

Eagle Scout 1953, Silver Beaver, Boy Scouts 2011

Dean's List, University of Washington, 1 quarter, 1958

Dean's List, University of Washington, 3 quarters, 1959

One of top 20 sophomores, University of Washington, 1959-1960

Member, Washington State Board of Health, 1978-1979

Dentist Recognition Award, American Dental Association, 1987

Continuing Education Award for Anesthesia in Dentistry, American Dental Society of Anesthesiology 1984-1986

Nominee 1999, Mayor's Small Business Award one of 100 nominees for the City of Seattle

Member Washington State Dental Quality Assurance Commission (DQAC) / licensing and discipline Board 2004 – 2008

Named one of the top 20 dentists in King County, Washington Checkbook.org 11/29/07

Volunteer Rainier Vista Boys and Girls Club MLK Ave., Fly to Learn - top volunteer 2013

## Community Service

Founder YMCA Indian Guide program SE Seattle

Cub Scoutmaster, Assistant Scoutmaster, Japanese Baptist Church Troop 53

District Chairman Thunderbird District Boy Scouts

Candidate Washington State House of Representatives 37th district 1998

Docent, Museum of Flight, Seattle Washington 2010-present

Rainier Valley Rotary 1998 -2005 2008 - present, secretary 2010 - present

Member, King County International Airport/Boeing Field Roundtable 2011- present

Volunteer Rainier Vista Boys and Girls Club MLK ave, Fly to Learn – top volunteer 2013

Member of over 30 Boy Scout Eagle Boards

### **Family**

Married 44-years, 2-grown children, 4-grandchildren

## **Professional Experience:**

U. S. Navy active duty 1964-1966, Reserve duty 1960-64 and 1966-68

Assistant Dental Officer, 3rd Marine Division, Camp Pendleton, California

The Dental Officer, U. S. Naval Mobile Construction Battalion Ten, Port Hueneme, California, Chu Lai, South Vietnam, Okinawa

Ist Year Medical Resident in Anesthesia, 1966-1967, Washington Hospital Center, Washington D.C.

Private Practice of Dentistry, 1967 - Present

Clinical Assistant, University of Oregon, Department of Oral Surgery, 1972-1979

Lecturer, University of Oregon, Department of Continuing Dental Education, 1972-present

Lecturer, University of Washington, Department of Continuing Dental Education, 1978-present

Lecturer, University of British Columbia, Department of Continuing Dental Education, 1983-present

Evaluator, Clinical Research Associates, 1978-present

Clinical instructor, University of Washington, Department of Periodontics, 1983-1985

Affiliate Assistant Professor, Department of Dental Public Health Sciences / Oral Health Sciences, School of Dentistry, University of Washington 1990-present

Dental Director, Pro West, now Qualis, 1994-2009

Dental Director- President, Second Dental Opinion.com 2000- present

Dental Consultant, Zenith Administrators, 1994- present

Dental Consultant, Epic, 1994-1999

Dental Consultant, Regence Blue Cross Blue Shield WA, OR, ID, UT, 2010-12

## Professional Experience (cont.):

Northwest Administrators 2011-2013

Clinical instructor, Dental Ethics, Department of Dental Public Health Sciences, School of Dentistry, University of Washington 1995-1999

Clinical Assistant Professor, Faculty of Dentistry, School of Dentistry, University of British Columbia Canada 1995-present

Head Start Reviewer and Consultant 1996 - 1998

Dental Consultant, Washington Employers Trust, 1997-2009

Advisory Committee, Seattle Vocational Institute Dental Assisting Program 1998- 2007

Consultant to ADA on N2O trace contaminants. 1998

American Dental Association Representative to National Fire Protection Association 1999-2004

Pacific Islands Clinical Continuing Education Program University of Washington Department of Family medicine team to Pago Pago, American Samoa May 2 – 20 2002

American Dental Association Representative committee H Anesthesia guidelines 2002-2003

Pacific Islands Clinical Continuing Education Program University of Washington and Pacific Basin Dental Association Palau Sept 2 – 5 2003

Washington State Dental Quality Assurance Commission 2004-2008

Seattle Central Community College Dental Hygiene advisory Board 2003 - present

Independent Contractor as Expert Consultant and IDE-Dental Reports. Served

as an Independent Dental Examiner in Dentistry (IDE-Dental) for Defense/Plaintiff

Attorneys, and Insurance Companies. 2005 - present

Examiner Western Regional Examination Board 2008

Instructor Provider Basic Life Support 2008-2014

ACLS certified 1997-2012.

Smiles Forever, Cochabamba, Bolivia, instructor and clinical dentist August 2011

#### Positions held:

President and Program Chairman, Northwest Dental Analgesia Seminar

President, Greater Seattle Practice Administration Seminar, 1972

Assistant Editor, Seattle-King County Dental Journal, 1971

Washington State Dental House of Delegates, 1977-1979

Member, Washington State Board of Health, 1978-1979

Member, Subcommittee - anesthesia regulations - of the State Dental Disciplinary Board, 1989

Research and Essay Award Committee, American Dental Society of Anesthesiology, 1993 - 99 Chairman 1995

Reviewer, The Journal of the American Dental Association, 1995

Reviewer, Dental Study Club Journal of Continuing Education, 1995-1998

Reviewer, California Dental Institute for Continuing Education, 1996 - 1998

Reviewer, Journal Quintessence, 1997 - 2003

Reviewer, The Annals of Pharmacotherapy, 1997-2002

Washington State Dental House of Delegates, 1997-1999, 2000-2002

Alternate Delegate AGD national meeting from State of Washington 1999

Board, Washington AGD 1999-2003

American Dental Association Representative to National Fire Protection Association 1999-2004

American Dental Association Representative committee H Anesthesia guidelines 2002-2004

Washington State Dental Quality Assurance Commission 2004-2008

American Dental Association - Champion of Evidence Based Dentistry 2008

Board of Directors, American Association Dental Consultants 2008-2013

#### **Avocations**

Candidate, Washington State House of Representatives, district 37, position 1 1998

Boy Scouts - Cub Master Pack 53, Japanese Baptist Church 1 year

Assistant Scoutmaster Troop 53, Japanese Baptist Church 6 years

Thunderbird District, Camping Chairman 1 year, Roundtable Chairman 2 years, District Chairman 1 year Flying - ratings single engine land, commercial, instrument, and Instrument Flight Instructor and glider 1963-1980 reactivated licenses 2004

Boating - sailing and power

Woodworking - particularly bowl making Amateur Astronomy - including telescope making - award for the best first scope Table Mountain Star Party 1995

Docent Museum of Flight Seattle WA 2010 - present

## Table clinics and Poster Presentations:

- 1. Nitrous oxide equipment, Oregon State Dental Association Meeting, 1975
- 2. Where are the patients? Academy of General Dentistry National Meeting, Toronto Canada, 1978
- 3. Electronic Dental Anesthesia, Washington State Dental Association Meeting, May 16, 1987
- 4. Electronic Dental Anesthesia, American Dental Association National Meeting, Honolulu Hawaii, Nov. 4, 1989
- 5. Electronic Dental Anesthesia, Chicago Dental Society Midwinter Meeting, Feb. 19, 1991
- 6. Halcion Oral Sedation, Chicago Dental Society Midwinter Meeting, Feb. 19, 1991
- 7. Halcion Oral Sedation, 6th International Congress on Modern Dental Pain control, Washington D.C., May 12, 1991
- 8. Halcion Oral Sedation, American Dental Association meeting, Seattle, WA, Oct. 5, 1991
- 9. Electronic Dental Anesthesia, American Dental Association meeting, Seattle, WA, Oct. 5, 1991
- 10. Electronic Dental Anesthesia, Chicago Dental Society Midwinter Meeting, Feb. 19, 1993
- 11. Halcion Oral Sedation, Chicago Dental Society Midwinter Meeting, Feb. 19, 1993
- 12. Electronic Dental Anesthesia Waveform comparison, Chicago Dental Society Midwinter Meeting, Feb. 20, 1993
- 13. Electronic Anesthesia vs. Topical Anesthesia for Pain Control During Local Anesthesia Injections:
  Should We Shock 'em Before We Block "em? University of Washington Research Celebration Day
  May 12, 1993
- 14. Halcion Oral Sedation, Chicago Dental Society Midwinter Meeting, Feb. 19, 1994
- 15. Elect. Dent. Anes. Waveform comparison, Chicago Dental Society Midwinter Meeting, Feb. 19, 1994
- 16. Elect. Dent. Anes. to replace topical anes, Chicago Dental Society Midwinter Meeting, Feb. 20, 1994
- 17. Nitrous Oxide Sedation Scavenging, Chicago Dental Society Midwinter Meeting, Feb. 20, 1994
- 18. Elect. Dent. Anes. to replace topical anes, Amer. Dent. Association national meeting Los Vegas, Oct 7, 1995
- 19. Nitrous Oxide, is it safe for our staff. Amer. Dent Assoc. National Meeting San Francisco, Oct 23, 1998
- 20. Nitrous Oxide, is it safe for our staff. Amer. Dent Assoc. National Meeting San Francisco, Oct 24, 1998
- 21. SaO2 vs. altitude, Int. Federation Dental Anesthesiology Societies, Dundee Scotland, June 6, 2002

## Papers read at meetings:

- 1. A Premix of 50% Nitrous Oxide 50% Oxygen for Sedation During Dental Procedures, *Symposium of the 3rd International Congress on Dental Pain,* Tokyo Japan
- 2. Use of Electrical Anesthesia and Nitrous Oxide To Replace Local Anesthesia on 800 Patients, A Clinical Study, Symposium *of the 5th International Congress on Dental Pain,* Canberra Australia, May 1988.
- 3. Three Years Use of Electronic Anesthesia, 4th Annual Symposium on Electronic Dental Anesthesia, University of Southern California Dental School, Los Angeles CA, Jan. 26, 1990
- 4. Oral Triazolam Used in Dentistry: A Preliminary Clinical Report, 37th Annual meeting of the American Dental Society of Anesthesiology, Orlando, FL, May 5, 1990
- 5. Diffusion Hypoxia: A Reappraisal using Pulse Oximetry on Patients Sedated with Nitrous Oxide, 37th Annual meeting of the American Dental Society of Anesthesiology, Orlando, FL, May 5, 1990
- 6. Electrical Anesthesia Equipment, 37th Annual meeting of the American Dental Society of Anesthesiology, Orlando, FL, May 5, 1990
- 7. Pharmacology of Halcion, Washington State Society of Pediatric Dentistry, Seattle, WA, October 5, 1990
- 8. Electronic Dental Anesthesia, 6th International Congress on Dental Pain, Washington, D.C., May 1991
- 9. Electronic Anesthesia vs. Topical Anesthesia for Pain Control During Local Anesthesia Injections, 41st Annual meeting of the American Dental Society of Anesthesiology, Boston, MA, April 15, 1994
- 10. Nitrous oxide sedation 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 26, 1997
- 11. The Dental professional and Internet 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 28, 1997
- 12. Electronic Dental Anesthesia and Intraosseous local anesthesia, 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 28, 1997
- 13. Oral conscious sedation 10th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Yokohama Japan, October 6, 2006
- 14. Oral Conscious Sedation: two extremes on one patient, a case study, 11th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Gold Coast Australia, October 16, 2009
- 15. Bispectral index system (BIS) monitoring for enteral conscious (moderate) sedation during general dental procedures, 11th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Gold Coast Australia, October 16, 2009
- 16. Age Relevant Dentistry for the Elderly, American Association of Dental Consultants, Phoenix AZ May 20, 2011

## Published papers:

- 1. Ventilatory Disturbances Resulting From Muscle Pain Following the Administration of Succinylcholine Chloride; *Medical Annals of the District of Columbia*, September 1968
- 2. Blind Nasotracheal Intubation Under Controlled Respiration; A Modified Technique. *The Journal of Oral Surgery*, December 1968
- 3. A Premix of 50% Nitrous Oxide 50% Oxygen for Sedation During Dental Procedures, Anesthesia *Progress*, November 1983
- 4. Use of Electrical Anesthesia (EA) and Nitrous Oxide (N2O) to Replace Local Anesthesia on 650 Patients: A summary of a Clinical Study with Emphasis on Dental Hygiene Procedures, *Washington State Dental Hygiene Association Newsletter*, 57:10, January 1988

## Published papers:(cont)

- 5. Electrical Anesthesia, California Dental Association Journal, 35-40, December 1988
- 6. Clinical Experience with TENS and TENS Combined with Nitrous Oxide-Oxygen, Report of 371 patients, Anesthesia Progress, 36:, April 1989
- 7. More on Electronic Anestesia, Nation-Wide Dental Newsletter, p.7-11, 2:13, April 1989
- 8. The combined effect of nitrous oxide and oxygen and electrical stimulation during restorative dental treatment, *Journal of American Dental Association*, June 1989, vol. 118, no. 6, p-733
- 9. Electrical Anesthesia in Selected Dental Procedures, *Pain Management,* November-December 1989, vol. 2, no. 6, p 321-323
- 10. Clinical Experience with TENS and TENS Combined with Nitrous Oxide-Oxygen, Report of 371 patients, *Year Book of Dentistry 1990*, p. 333, Year Book Medical Publishers, Inc. Chicago
- 12. Nitrous Oxide is Safe, *Seattle King County Dental Society Journal*, vol. 31 no. 6, January 1991, and p.8-12
- 13. Clinical Study of Diffusion Hypoxia after Nitrous Oxide Analgesia, Anesthesia *Progress*, vol. 38, no. 1 1991 p. 21-23
- 14. Clinical Experience with TENS and TENS Combined with Nitrous Oxide-Oxygen, Report of 371 patients, *Journal of the Society for the Advancement of Anesthesia in Dentistry*, Vol. 8, No. 1/2 April 1991 p. 7-11
- 15. Electronic Dental Anesthesia, *Proceedings of the 6th International Congress on Dental Pain Control,*May 1991
- 16. Electrical Anesthesia Equipment and its Use, *The California Dental Institute for Continuing Education*, vol. 38 p. 28-43
- 17. Comparison of 3 automatic blood pressure screening devices, *J.A.G.D.* vol. 40 no. 6, Nov-Dec 1992 p. 496-7
- 18. A comparison of H-wave and square wave wave forms to control pain for dental procedures: a clinical study, *J.A.G.D.*, Mar-Apr. 1993 vol. 41 no. 2 p.128-131
- 19. Experience with Triazolam in Preschool Children, *Anes. and Pain Control in Dent.*, vol. 1, no. 3, Summer 1992
- 20. Sedation of Phobic Dental Patients with an Emphasis on the Use of Oral Triazolam, Halcion, *California Dental Institute for Continuing Education*, vol. 45, p. 29-64, May 1993
- 21. The Efficacy and Memory Effects of Oral Triazolam Premedication in Highly Anxious Dental Patients, Anes. *Progress*, *41:70*-76 1994
- 22. Electronic Anesthesia vs. Topical Anesthesia for Pain Control During Local Anesthesia Injections: Should We Shock 'em Before We Block 'em? *Quintessence International*, Oct. 1994
- 23. Patients evaluate electronic and topical anesthesia used for injection pain, *Dental Abstracts*, 1995 vol., 40, no. 3, p. 137
- 24. General Dentistry, letter to the editor N20 Inappropriate limits no laughing matter, vol. 45 no 2, March April 1997
- 25. In the beginning...How I became involved in anesthesiology, The Farran Report, Nov 1997
- 26. Sedation of Phobic Dental Patients, The Farran Report, Nov 1997
- 27. Practice valuation the bottom line, WashAGD Journal, Oct. 2001
- 28. A Randomized Clinical Trial of 3 Agents to reduce Sensitivity After crown Cementation. General Dentistry, Jan./Feb., 1998
- 29. Nitrous Oxide Safety: How safe is it for staff? What can be done to make it safer, *Dentistry Today*, December 1999 vol. 18 #12, p 70-77
- 30. Sedation of Phobic Dental Patients With an Emphasis on the Use of Oral Triazolam Dentistry on line http://www.priory.com/dentprof.htm

# Published papers:(cont)

- 31. What is quality dentistry? ejDent.com, July 2000, http://www.godent.com/ejdenteditorials/guesteditquarn.2000.html
- 32. Halcion Oral Sedation, http://www.washagd.org/halc1.html Nov. 2000
- 33. Where is the Racial diversity in Dental Hygiene, http://www.washagd.org/denthyg.html, Nov. 2000
- 34. What is Quality Dentistry? e-journal, August 2000
- 35. Practice valuation the bottom line, WashAGD Journal, Oct. 2001
- 36. Practice valuation the bottom line, Dentistry Today, Feb 2002
- 37. Repairing fractured porcelain-fused-to-metal bridge pontics, JADA, vol 134 p1097-1100 August 2003
- 38. Viewpoint Should dentists do oral sedation? Dentistry Today, March 2003
- 39. Triazolam Use in the General Dental Office, Dentaltown, vol.5 no. 7 July 2004 pp 50-54
- 40. Should general dentist be able to provide oral dental sedation, Second Opinion American Association of Dental Consultants, vol 9 no 2 August 2004, pp. 4-7
- 41. Triazolam Use in the dental setting: A report of 270 uses over 15 years, General Dentistry, vol. 52, no. 7 p496-501 Nov/Dec 2004
- 42. Some days it does not pay to get up. Beacon, journal of the AADC Spring2008
- 43. Variations of SaO2 and Pulse Rate for Travelers from Sea Level to 16,000 feet, DOCS Newsletter Vol2 2004
- 44. Sedation and Anesthesia in the Dental Office, Beacon, p.21-24, vol28, no.2 Summer 2006
- 45. Author Open Wider: Your Wallet Not Your Mouth, a consumers guide to dentistry. Book Surge 2008
- 46. Is it the Practice of dentistry to approve crown coverage? Beacon, journal of the AADC Fall 2009
- 47. Have you assisted in an emergency, Nevada Dental Association Journal, vol 12 #1 Spring 2010
- 48. Age Relevant Dentistry, The Beacon, Fall 2010 p. 18-20
- 49. Nitrous oxide-oxygen administration: When safety features no longer are safe, JADA, Feb 2012;143;134-143
- 50. Do Dental Consultants Have A Moral/Legal Responsibility To The Patient And The Profession?

  Beacon, journal of the AADC Fall 2012
- 51. Age Relevant Dentistry for the Mature Patient, Dentistry, an open access journal, OMICS publishing Group 11/2012 ISSN:2161-1122

## Non-professional published papers

- 1. First Scope First Month, The Fox Valley Observer, Jan., 1995, p. 2
- 2. Eclipse"98", Webfoot Astronomer April 1998 p8-10
- 3. Eclipse photo, partial phase, The Astronomer, vol. 43 no. 407, March 1998, p C3
- 4. First Scope First Month, The Webbed Foot Astronomer, Nov., 1995
- 5. Exposure fosters racial understanding, Seattle Post Intelligencer Aug. 10, 2001 B7
- 6. Discrimination against Southeast Seattle is Real, Beacon Hill News / South District Journal 4-2008
- 7. Embracing a culture he once fought: Unpacking emotional baggage in Vietnam, Beacon Hill News & South District Journal Aug 23,

# Published Reviews of other's papers

- 1. Review of Health Hazards and Nitrous Oxide: A Time for Reappraisal, Dental Study Club Journal of Continuing Dental Education, vol. 4, no 4, Aug. 1995
- 2. Review of The Efficiency of Nitrous Oxide Scavenging Devices in Dental Offices, Dental Study Club Journal of Continuing Dental Education, vol. 4, no 4, Aug. 1995
- 3. Review of Topical Anesthesia Differentiating the Pharmacological and Psychological contributions to efficacy, Dental Study Club Journal of Continuing Dental Education, vol. 4, no 4, Aug. 1965

# Reviews of paper (cont.)

- 4. Review of Reduced Fertility Among Women Employed as Dental Assistants Exposed to High Levels of Nitrous Oxide, Dental Study Club Journal of Continuing Dental Education, vol. 4, no 4, Aug. 1995
- 5. Review of Controlling Exposure to Nitrous Oxide During Anesthetic Administration, Dental Study Club
- 6. Journal of Continuing Dental Education, vol. 4, no 4, Aug. 1995
- 7. Review of Nitrous-oxide use II. Risk of potential exposure and compliance among Nebraska Dentists and dental assistants, Dental Study Club Journal of Continuing Dental Education
- 8. Review of Nitrous oxide in the dental environment: Assessing the risk, reducing the exposure, Dental Study Club Journal of Continuing Dental Education
- 9. Review of Five-Year treatment outcomes for teeth with Large Amalgams and Crowns, Dental Study Club Journal of Continuing Dental Education
- 10. Review of Postoperative pain following bonded amalgam restorations, Dental Study Club Journal of Continuing Dental Education
- 11. Review of Nitrous-oxide use I. Risk of potential exposure and compliance among Nebraska Dentists and dental assistants, Dental Study Club Journal of Continuing Dental Education

## Letters to the editor

- 1. Inappropriate limits no laughing matter, General Dentistry March/April 1997 vol. 45 no 2, p 104
- 2. Nitrous Oxide, JADA June 1997 vol. 128, p. 689-90
- 3. Nitrous Oxide, JADA October 1997, vol. 128 p. 1352
- 4. Trace Contaminants, JAGD 2003 jan-feb
- 5. Dentistry Today, letter to the editor Nitrous oxide is a safe sedative, vol. 15 No. 11, p 8-9, Dec. 1997
- 6. Mercury a toxic waste? WSDA Dec 2004
- 7. Silver amalgam does not poise a problem Seattle PI July 20 2002
- 8. Do we need written informed consent for local JADA March 2006

## Letters to the editor - non-professional

- 1. Healing wounds, Columns UW Alumni Association Spring 2008
- 2. Who should be believe, Seattle PI guest editorial Dec. 26,2000
- 3. What has happened to America? Seattle PI Dec. 8, 2001
- 4. Vietnam revisited South district Journal 2005
- 5. Discrimination against Southeast Seattle is real, South District Journal May 16, 2008
- 6. Down with the glorification of war, South District Journal May 20, 2008
- 7. Great Coverage, AOPA Pilot, July 2012

# Speaking presentations at major meetings:

- 1. Nitrous oxide oxygen sedation, Washington State Dental Association state meeting, Seattle WA, May 14, 1970
- 2. Nitrous oxide oxygen sedation, Washington State Dental Association state meeting, Seattle WA, May 15, 1971
- 3. Nitrous oxide oxygen sedation, Oregon State Medical Association state meeting, Portland OR, Apr. 2, 1972
- 4. Nitrous oxide oxygen sedation, American Dental Hygiene Association National meeting, Houston TX, Oct. 17, 1973
- 5. Computers in dentistry, Washington State Dental Association, Seattle WA, May 16 18, 1985
- 6. Nitrous oxide oxygen sedation, Academy of General Dentistry National Meeting, Seattle WA, July 17, 1987
- 7. Electronic Dental Anesthesia, 6th International Congress on Dental Pain, Washington, D.C., May 1991

## Speaker at major meetings (cont.)

- 8. Nitrous oxide oxygen sedation, Wash. State Dental Hygiene Association, Seattle, WA, May 16, 1992
- 9. Halcion Oral Sedation, American Association of Pediatric Dentists, Seattle, WA, May 24, 1992
- 10. Halcion Oral Sedation, Washington State Dental Association, Seattle, WA, July 9, 1992
- 11. Electronic Dental Anesthesia, Washington State Dental Association, Seattle, WA, July 11, 1992
- 12. Halcion sedation electronic anesthesia 16th annual Symposium on Anesthesia, Loma Linda University, School of Dentistry, Feb. 19,20, 1995
- 13. Nitrous oxide Sedation 17th annual Symposium on Anesthesia, Loma Linda University, School of Dentistry, Feb. 11,12, 1996
- 14. Future of Anesthesia and Pain Control in Dentistry Managed Care from a General Dentist, 43rd Annual Meeting American Dental Society of Anesthesiology New York, New York April 21, 1996
- 15. Electronic anes, halcion, intraosseous anes, Pacific NW Dental Conference, Seattle WA July 12, 1996
- 16. Electronic anes. 6th International Dental Seminar of the International Union of Schools of Oral Health Pain Control in Dentistry Aug. 23,24, 1996 Vancouver B.C. Canada
- 17. Nitrous oxide sedation 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 26, 1997
- 18. The Dental professional and internet 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 28, 1997
- 19. Electronic Dental Anesthesia and Intraosseous local anesthesia 8th International Congress on Dental
- 20. Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 28, 1997
- 21. Halcion, Nitrous oxide scavenging, Dental Insurance 7th annual meeting of the Australian Society of Dental Anesthesiology, Launceston Tasmaina AU, Oct. 30, 1999
- 22. Where is the Racial diversity in Dental Hygiene, http://www.washagd.org/denthyg.html, April 2000, Washington Association of Dental Hygiene Schools
- 23. Third Party Dental Consulting, NW Association of Third Party Administrators 40th annual meeting, Sun River Oregon, July 17, 2000
- 24. Halcion, triazolam, oral sedation: can it be safely titrated, American Society of Dental Anesthesia, Tucson AZ 3 May 2003.
- 25. SaO2 vs. Altitude, 10th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Edinburgh Scotland June 6, 2003
- 26. Pacific Basin Dental Association, Dental emergencies, local anesthesia, PowerPoint presentation, Dental Study Club, Koror Palau September 2-5 2003
- 27. Nitrous oxide, Halcion, dental emergencies, Guam Dental Association yearly meeting Guam, 20 21 Mar, 2004
- 28. Oral Halcion the Beautiful Black Swan or the Dirty Duck, ADSA national meeting, Key West FL, 1 May 2004
- 29. 41 years of Dr. Q's mistakes, Oregon State Dental Association, April 6, 2006
- 30. Oral Conscious Sedation, Star of the North Dental Meeting Minnesota State Dental Assn., St Paul Minn. April 30
- 31. Oral Conscious sedation, 10th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Yokohama Japan, October 6,2006
- 32. Oral Conscious Sedation Nitrous Oxide Sedation, medical emergencies, two presentations Southern California Dental Association Los Angeles CA, May 16 2009
- 33. Electronic Dental Anesthesia and Intraosseous local anesthesia, 8th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Christchurch NZ March 28, 1997
- 34. Oral conscious sedation 10th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Yokohama Japan, October 6, 2006

# Speaker at major meetings (cont.)

- 35. Oral Conscious Sedation: two extremes on one patient, a case study, 11th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Gold Coast Australia, October 16, 2009
- 36. Bispectral index system (BIS) monitoring for enteral conscious (moderate) sedation during general dental procedures, 11th International Congress on Dental Pain, International Federation of Dental Anesthesiology Societies, Gold Coast Australia, October 16, 2009
- 37. Medical emergencies in a Dental Office Alberta Dental Association and College, Jasper AB May 29, 2010
- 38. Age Relevant Dentistry, Alberta Dental Association and College, Jasper AB May 30, 2010
- 39. Age Relevant Dentistry for the Elderly, American Association of Dental Consultants, Phoenix AZ May 20, 2011
- 40. Medical Emergencies, Alberta Dental Association and College, Jasper AB June 24 30, 2012
- 41. Age Relevant Dentistry, Ethics, Dental Insurance, Alberta Dental Association and College, Jasper AB June 26, 2012
- 42. Age Relevant Dentistry Dental Insurance, Pacific NW Dental Conference, Seattle WA June 15, 2012
- 43. Medical emerg. What to do until the paramedics arrive, Academy of General Dentistry, Philadelphia PA, June 22 2012

#### Published manuals books:

- 1. Electronic Dental Anesthesia, Seattle WA, Analgotronics, 1989
- 2. Halcion Oral Sedation / Nitrous oxide scavenging, Seattle WA, Analgotronics, 1990
- 3. Sedation of Phobic Dental Patients with an Emphasis on the Use of Oral Triazolam, Halcion®, Seattle WA, Analgotronics, 1992
- 4. Local Anesthesia of the Oral Cavity, chapter on electronic pain control, Philadelphia WB Saunders, 1995
- 5. Manual of Minor Oral Surgery for General Dentists, chapter 8 sedation, Blackwell, Aug, 2006
- 6. Open Wider: Your wallet, not your mouth a consumers guide to dentistry. Amazon.com Dec 2007
- 7. Chapter in Manage Your Practice Well by Dianne Glasscoe Watterson MBA, Buying an established practice vs. starting from scratch p44-51 2010

## Video audio tapes:

- 1. Electronic Dental Anesthesia 1 hour, Jonesboro GA, Video Study Club, 1988
- 2. Electronic Dental Anesthesia a 7 hour course, Seattle WA, Analgotrinics 1990
- 3. Electronic Dental Anesthesia 1 hour, 6th International Congress on Dental Pain, Washington, D.C., 1991
- 4. Electronic Dental Anesthesia 1 hour, 3M introduction to EDA, 3M Co., St Paul MN, 1992
- 5. Halcion Oral Sedation 3 hours, Washington State Dental Association, Seattle, WA, July 9, 1992
- 6. Electronic Dental Anesthesia 3 hours, Washington State Dental Association, Seattle, WA, July 11, 1992

## Media interviews

- 1. Electronic Dental Anesthesia, Beacon Hill News/South District Journal, 1987
- 2. Electronic Dental Anesthesia, KIRO TV, Seattle WA 1987
- 3. Electronic Dental Anesthesia, KING-TV, Seattle WA 1987
- 4. Halcion Sedation, Beacon Hill News/South District Journal, July 31, 1991
- 5. Halcion Sedation, KIRO-TV, Seattle WA, ABC, New York, June 1992
- 6. High Tech. Pain Control Philip Bonner, D.D.S., Dentistry Today, p 70-73, June/July vol 11, No.5 1992

## Media interviews: (cont.)

- 7. Electronic Dental Anesthesia, CBC-TV evening news, Vancouver, B.C. Canada, March 1, 1994
- 8. Electronic Dental Anesthesia, KUBE-FM, Seattle WA, May 19,1994 Morning show with Charlie and Ty
- 9. Electronic Dental Anesthesia, KBGE-FM, Seattle WA, June 6, 1994 "Solutions" with Kim Wilson
- 10. Electronic Dental Anesthesia, KMBQ-FM, Seattle WA, June 27, 1994 wake up with Greg Thunder and John
- 11. Electronic Dental Anesthesia, KOMO-TV, Seattle WA, July 1, 1994 evening news by Amy Chiu
- 12. Electronic Dental Anesthesia, KVI-radio, Seattle WA, July 4, 1994 morning news by Clint Jones
- 13. Treating Phobic Patients, KPTV-12, Portland WA, Dec. 4. 1994 Sunday Evening News Magazine
- 14. Electronic Dental Anesthesia, Health Care News, Memphis TN Dec, 15, 1995
- 15. Electronic Dental Anesthesia, Gannett Suburban Newspaper New Rochelle, NY Jan. 20, 1996
- 16. No Pain, All Gain, AGD Impact vol. 24, no 4 April 1996
- 17. Wired For Pleasure, Prevention, vol. 48, No.5, p 47-49, May 1996
- 18. High Tech. Pain Control by Cheryl Farr, Dentistry Today, p 44-51, Dec vol. 15, No. 11 1996 including photo on cover.
- 19. Anesthesiology New Developments and Personal Insights, The Farran Report. Nov. 1997
- 20. KOMO Radio Life beat, How to be a smart consumer
- 21. KKNW Radio 1150AM Chat With Women March 24, 2008
- 22, KKNW Radio 1150AM Chat With Women May 12, 2008

### Clinics and Courses Presented:

**1967** Cardiac arrhythmias as seen in tooth extractions under general anesthesia, Anesthesia Residents, Washington Hospital Center, Washington D.C.

Length 1969	date pla	ce to	ppic	group or sponsor
1/2 day	Jan. 3, 1969	Seattle WA	N2O Sedation	Seattle Dist. Dent. Soc.
1 <b>970</b> 1/2 day 2 day 2 day	May 14, 1970 Sept. 5, 1970 Oct. 10, 1970		N2O Sedation N2O Sedation N2O Sedation Spo	Wash. State Dent. Convention kane Analgesia Seminar
1971 2 day 2 day 1 day 1/2 day Eve Eve 2 day 2 day 2 day	Jan. 3, 1971 Mar 4, 1971 Apr. 5, 1971 Apr. 10, 1971 May 15, 1971 May 20, 1971 May 27, 1971 Jun 5, 1971 July 10, 1971 Oct. 5, 1971 Oct. 20, 1971	Seattle WA Olympia WA Seattle WA Pullman WA Seattle WA Bremerton WA Mc Cord AFB WA Portland OR Wichita KA Salt Lake City UT Portland OR	N2O Sedation N2O Sedation	N. Idaho Dental Seminar Wash. State Dental Conv. Kitsap Co. Dent. Soc. N. W. Military Dent. Assn.
2 day 2 day	Nov. 10, 1971	Seattle WA	N2O Sedation	University of Oregon

1972				
2 day	Jan. 5, 1972	Portland OR	N2O Sedation	University of Oregon
2 day	Feb. 21, 1972	Missoula MT	N2O Sedation	, ,
2 day	Mar 7, 1972	Portland OR	N2O Sedation	University of Oregon
1/2 day	Apr. 2, 1972	Portland OR	N2O Sedation	Oregon State Medical Assn. Conv.
1/2 day	Apr. 10, 1972	Yakima WA	N2O Sedation	Yakima Co. Dent. Soc.
2 day	Apr. 17, 1972	Mc Cord AFB WA		
2 day	Apr. 24, 1972	Bellingham WA	N2O Sedation	
2 day	Apr. 17, 1972	Mc Cord AFB WA		
2 day	Apr. 24, 1972	Bellingham WA	N20 Sedation	
1/2 day	Apr. 29, 1972	Portland OR	N20 Sedation	University of Oregon
2 day	May 10, 1972	Eugene OR	N20 Sedation	University of Oregon
2 day	Jun 10, 1972	Bellingham WA	N20 Sedation	oniversity of oregon
1 day	July 21, 1972	Yakima WA	N20 Sedation	
1 day	Sept. 5, 1972	Tacoma WA	N20 Sedation	
2 day	Oct. 15, 1972	Bellingham WA	N20 Sedation	
2 day 2 day	Nov. 5, 1972	Portland OR	N20 Sedation	University of Oregon
Z uay	110V. 3, 1972	FOI LIANG OK	NZO Sedation	oniversity of oregon
1973				
2 day	Feb. 4, 1973	Vancouver B.C.	N2O Sedation	
2 day	Feb. 17, 1973	Seattle WA	N20 Sedation	Reg. Conv. Dent. Hygiene Inst.
1/2 day	Mar 2, 1973	Seattle WA	N20 Sedation	Shoreline Com. College
2 day	Mar 17, 1973	Portland OR	N20 Sedation	University of Oregon
2 day	July 10, 1973	Yakima WA	N20 Sedation	oniversity of Oregon
-	Sept. 21, 1973		N20 Sedation	University of Oregon
2 day			I V Sedation	University of Oregon
2 day	Oct. 3, 1973	Seattle WA		Am Dont Hygiana Cany
2 day	Oct. 17, 1973	Houston TX	N20 Sedation	Am. Dent. Hygiene Conv.
2 day	Oct. 24, 1973	Seattle WA	N20 Sedation	Hairanita at Oneman
2 day	Nov. 10, 1973	Portland OR	N20 Sedation	University of Oregon
1 day	Nov. 17, 1973	Wenatchee WA	N2O Sedation	
1974				
2 day	Jan. 15, 1974	Honolulu HI	N20 Sedation	
2 day	Feb. 24, 1974		N20 Sedation	Idaho St. University
1/2 day	Mar 7, 1974	Seattle WA	N20 Sedation	Shoreline Com. College
2 day	Mar 26, 1974	Honolulu HI	N20 Sedation	University of Oregon
-	Mar 29, 1974		N20 Sedation	University of Oregon
2 day	•	Anchorage AK	N20 Sedation	
2 day	Apr. 29, 1974	Seattle WA		University of Washington
1 day	May 6, 1974	Yakima WA	N20 Sedation	Hairanita at Oneman
2 day	Jun 9, 1974	Portland OR	N20 Sedation	University of Oregon
1/2 day	Jun 17, 1974	Portland OR	I V Sedation	N. W. Analgesia Res. Gr.
1 day	July 27, 1974	Pendleton OR	N20 Sedation	
2 day	Nov. 1, 1974	Seattle WA	N20 Sedation	5 D . N .
Eve	Nov. 10, 1974	Seattle WA	N20 Sedation	Emer. Dept. Nurse Assn.
2 day	Nov. 17, 1974	Portland OR	N20 Sedation	University of Oregon
2 day	Nov. 29, 1974	Bellingham WA	N2O Sedation	

<b>1975</b> 2 day 2 day	Mar 5, 1975 Nov. 10, 1975	Portland OR Portland OR	N2O Sedation N2O Sedation	University of Oregon University of Oregon
1976 2 day 2 day 1 day	Apr. 7, 1976 Apr. 21, 1976 Nov. 29, 1976	Seattle WA Portland OR Yakima WA	N2O Sedation N2O Sedation N2O Sedation	University of Oregon Yakima Valley Dental Hygiene
<b>1977</b> 2 day 2 day	Mar 21, 1977 Oct. 15, 1977	Portland OR Portland OR	N2O Sedation N2O Sedation	University of Oregon University of Oregon
1978 2 day 2 day 2 day	Apr. 3, 1978 Nov. 5, 1978 Dec 10, 1978	Portland OR Seattle WA Billings MT	N20 Sedation N20 Sedation N20 Sedation	University of Oregon University of Washington
1979 1/2 day 2 day 2 day 2 day	Feb. 7, 1979 Mar 14, 1979 Apr. 21, 1979 Apr. 28, 1979	Seattle WA Seattle WA Fairbanks AK Portland OR	N2O Sedation N2O Sedation N2O Sedation N2O Sedation	Burn Ctr. Harborview Hosp. University of Washington University of Oregon University of Oregon
1980 2 day 1/2 day 2 day 1/2 day 1/2 day	Feb. 27, 1980 May 5, 1980 May 28, 1980 Jun 27, 1980 Sept. 20, 1980	Seattle WA Seattle WA Portland OR Yakima WA Seattle WA	N2O Sedation Dent. Of. Hazards N2O Sedation N2O Sedation Dent. Off. Hazards	University of Washington University of Washington University of Oregon Yakima Co. Dent. Soc. U. of Wash Dent. Hygiene Dept.
<b>1981</b> 1/2 day 1/2 day 1 day	May 10, 1981 Sept. 17, 1981 Nov. 10, 1981	Seattle WA Seattle WA Portland OR	Practice Admin. N20 Sedation N20 Sedation	Shoreline Com. College Wash. State Dent. Hygiene University of Oregon
1982 1 day Eve. 1 day 1/2 day 1 day 1 day 10 min.	Jan. 5, 1982 Feb. 10, 1982 Feb. 18, 1982 May 25, 1982 Sept. 12, 1982 Sept. 13, 1982 Oct 4, 1982	Seattle WA Bremerton WA Seattle WA Seattle WA Los Angeles CA Los Angeles CA Tokyo Japan	N20 Sedation Computers Mgmt. Computers Mgmt. Practice Admin. Computers Mgmt. Practice Admin. Pre mix N203rd	University of Washington Kitsap Co. Dent. Society University of Washington Shoreline Com. College Pract. Mgmt. Assoc. Pract. Mgmt. Assoc. Internat. Pain Congress
1983 2 day 2 day 2 day	Jan. 22, 1983 May 14, 1983 Nov. 12, 1983	Seattle WA Vancouver B. C. Vancouver B. C.	Practice Admin. N2O Sedation Practice Admin.	Pract. Mgmt. Assoc. University of British Columbia University of British Columbia

1984				
2 day	Feb. 3, 1984	Seattle WA	N2O Sedation	University of Washington
-	Jun 1, 1984	Yakima WA		Yakima Co. Dent. Soc.
1 day	Jun 8, 1984	Helena MT	Computers N2O Sedation	Central City Study Club
2 day	•			
2 day	Jun 15, 1984	Portland OR	N2O Sedation	University of Oregon
1985				
2 day	Mar 30, 1985	Portland OR	N2O Sedation	University of Oregon
2 day 1 day	May 16, 1985	Seattle WA		Wash. State Dent. Assn.
-	May 18, 1985	Seattle WA	Computers	Wash. State Dent. Assn.
1 day	Jun 12, 1985	Portland OR	Computers N2O Sedation	
2 day				University of Oregon
2 day	July 19, 1985	Portland OR	N2O Sedation	University of Oregon
2 day	Oct. 3, 1985	Seattle WA	N20 Sedation	University of Washington
2 day	Oct. 20, 1985	Portland OR	N2O Sedation	University of Oregon
1986				
2 day	Apr. 25, 1986	Portland OR	N2O Sedation	University of Oregon
2 day 1 day	Jun 7, 1986	Seattle WA	Computer Fair	University of Oregon  University of Washington
2 day	Jun 13, 1986	Medford OR	N20 Sedation	University of Oregon
-	•	Portland OR	N20 Sedation	
2 day	Sept. 29, 1986	Corvallis OR		University of Oregon
1 day	Nov. 8, 1986		N20 Sedation	Multnomah County Dental Society
2 day	Dec 5, 1986	Portland OR	N2O Sedation	University of Oregon
1987				
2 day	Jan. 30, 1987	Portland OR	N2O Sedation	University of Oregon
1 hr.	Apr. 15, 1987	Bellevue WA	Elect. Anes.	Overlake study club
3 hr.	May 5, 1987	Seattle WA	Elect. Anes.	Asian Study Club
1/2 day	May 16, 1987	Seattle WA	Elect. Anes.	Wash State Dent. Conv.
2 day	May 17, 1987	Portland OR	N20 Sedation	University of Oregon
1 day	Jun 5, 1987	Seattle WA	Elect. Anes.	Analgotronics
2 day	July 17, 1987	Seattle WA	N20 Sedation	National AGD Meeting
1 day	Aug. 1, 1987	Bellevue WA	Elect. Anes.	Analgotronics
1 day	Sept. 12, 1987	Spokane WA.	Elect. Anes.	Analgotronics
Eve	Sept. 17, 1987	•	Elect. Anes.	S. King Co. Study Club
1 day	Sept. 17, 1367 Sept. 26, 1987		Elect. Anes.	Analgotronics
Eve	Oct. 20, 1987	Seattle WA	Elect. Anes.	Analgotronics
	Nov. 20, 1987	San Jose CA	Elect. Anes.	Analgotronics
1 day		San Mateo CA		<u> </u>
1 day	Nov. 21, 1987		Elect. Anes.	Seattle King Co. Dent. Society
1 day	Dec 5, 1987	Seattle WA	Elect. Anes.	Analgotronics
Eve	Dec 8, 1987	Seattle WA	Elect. Anes.	Analgotronics
1 day	Dec 12, 1987	Bellingham WA	Elect. Anes.	Analgotronics
1988				
2 day	Jan. 8, 1988	Portland OR	N2O Sedation	University of Oregon
2 day	Jan. 22, 1988	Seattle WA	Elect. Anes.	University of Oregon University of Washington
∠ uay	Jan. 66, 1300	Seattle WA	LIECL. AIIES.	OTHIVE ISILY OF WASHINGLON
1 hr	Jan. 26, 1988	Seattle WA	Elect. Anes.	V. A. Hospital

1988 (c	ont )			
1 day	Jan. 29, 1988	Juneau AK	Elect. Anes.	SE. Alaska Study Club
1 day	Feb. 6, 1988	Salt Lake City UT		Analgotronics
Eve	Feb. 10, 1988	Honolulu HI	Elect. Anes.	Study club
1 day	Feb. 13, 1988	Kona HI	Elect. Anes.	Analgotronics
1 day	Feb. 17, 1988	Salem OR	Elect. Anes.	Study Club
2 day	Feb. 26, 1988	Los Angeles CA	Elect. Anes.	2nd Annual Symp. Elect. Anes. USC
1 hr	Mar 1, 1988	Seattle WA	Elect. Anes.	U of Wash. Comm. Dentistry Dept.
1 day	Mar 12, 1988	Denver CO	Elect. Anes.	Analgotronics
1 day	Mar 26, 1988	Reno NV	Elect. Anes.	Analgotronics
1 day	Apr. 1, 1988	Anchorage AK	Elect. Anes.	Academy of General Dentistry
2 day	Apr. 8, 1988	Portland OR	N2O Sedation	University of Oregon
1 day	Apr. 15, 1988	Vancouver B.C.	Elect. Anes.	University of British Columbia
1 hr	Apr. 22, 1988	Jonesboro GA	Elect. Anes.	Video Study Club
1 day	Apr. 23, 1988	Jonesboro GA	Elect. Anes.	Analgotronics
1day	Apr. 25, 1988	Ashville NC	Elect. Anes.	Analgotronics
10 min.	May 13, 1988	Canberra Australia	a Elect. Anes.	5th Intern Congress Pain Control
4 hr.	May 25, 1988	Portland Or.	Elect. Anes.	Grad. Student Hosp. Dentistry
2 day	Jun 10, 1988	Portland OR	N20 Sedation	University of Oregon
7 hr	Sept. 10, 1988	Seattle WA	Elect. Anes.	Analgotronics
2 days	Sept. 17, 1988	Vancouver B.C	.N2O Sedation	University of British Columbia
1 day	Sept. 23, 1988	Ashland OR	Elect. Anes.	S. Oregon Research Seminar
1 day	Oct. 1, 19880	Omaha, NB	Elect. Anes.	Analgotronics
1 day	Oct. 15, 1988	Boston MA	Elect. Anes.	Analgotronics
eve	Nov. 1, 1988	Seattle WA	Elect. Anes.	Sea King Co Dent. Society
2 day	Dec 9, 1988	Portland OR	N20 Sedation	University of Oregon
1 day	Dec 29, 1989	Kauai HI	Elect. Anes.	Analgotronics
1989				
	n. 11, 1989	Seattle WA	Elect. Anes.	Seattle Crown and Bridge Study Club
	n. 14, 1989	Los Angeles CA		Analgotronics
_	an. 21, 1989	•	Elect. Anes.	Analgotronics
-	eb. 13, 1989		e WA Elect. Anes.	Bellevue Study Club
•	eb. 18, 1989	Las Vegas NV		.Analgotronics
-	eb. 23, 1989	~	Elect. Anes.	U of Wash. Gen. Practice Residents
	pr. 19, 1989		Elect. Anes.	U of Oregon Hospital dent. residents
	pr. 29, 1989		Elect. Anes.	Analgotronics
	ay 12, 1989	U	N20 Sedation	University of Oregon
-	ay 19, 1989		Elect. Anes.	Analgotronics
-	ay 20, 1989		Elect. Anes.	Analgotronics
-	ın 16, 1989		Elect. Anes.	University of Oregon
-	ıly 10, 1989	Bridgeport CT	Elect. Anes.	Analgotronics
-	gs July 20, 1989	- ·	Elect. Anes.	Analgotronics
	ept. 16, 1989	Dallas TX	Elect. Anes	Analgotronics
2 day Se	ept. 22, 1989	Portland Or	N2O sedation	University of Oregon

1989: (cont.) 1 day Sept. 25, 1989 1 day Oct. 20, 1989 1/2 day Nov. 4, 1989 evening Dec 12, 1989	Pendleton Or Kansas City M Honolulu HI Seattle WA		Eastern Oregon Dental Society Analgotronics American Dental Association Seattle King Co. Dent. Society
1990 2 day Jan. 26, 1990 2 day Feb. 23, 1990 1/2 dayMarch 2, 1990 1 day March 3, 1990 1 1/2 hrMarch 5, 1990 1 day March 31, 1990 10 min.May 5, 1990 10 min.May 5, 1990 10 min.May 5, 1990 1 day May 12, 1990 1 day May 19, 1990 1 day June 9, 1990 2 day June 20, 1990 1 day July 19, 1990 eve Sept. 14, 1990 2 day Sept. 28, 1990 1 hr. Oct. 5, 1990 1 hr. Oct. 21, 1990	Los Angeles C Portland OR Seattle WA Seattle WA Portland OR Orlando FL Orlando FL Orlando FL Salt Lake City Denver CO Phoenix AZ Portland OR Kenai AK Norfolk VA Portland OR Seattle WA Bellevue WA	N2O sedation N2O Contamination Elect. Anes. Elect. Anes. Elect. Anes. Diffusion hypoxia Halcion sedation Bp. monitors Elect. Anes. Elect. Anes. Elect. Anes. Elect. Anes. N2O sedation Elect. Anes Elect. Anes N2O sedation Halcion Elect. Anes.	U. of Southern California University of Oregon Institute for Applied Studies Analgotronics U of O Soph. Dent Students Analgotronics National Am. Dent. Soc. Anes. National Am. Dent. Soc. Anes. National Am. Dent. Soc. Anes. Analgotronics Analgotronics Analgotronics University of Oregon Analgotronics U. S. Navy Oral Surgery Study Club University of Oregon Wash. State Pediatric Dental Society Interlake Dental Study Club
1day Nov. 24, 1990	Vancouver BC	Elect. local Anes.	University of British Columbia
1991 2 hr. Jan. 4, 1991 Dental Hygiene students	Tacoma WA	Elect. Anes. N20	Pierce County Community College
1 hr. Jan. 11, 1991 2 day Feb. 1, 1991 3 hr. Feb. 19, 1991 3 hr. Feb. 19, 1991 1 hr. Mar 5, 1991 1 hr. Mar 12, 1991 1 hr. Mar 28, 1991 1 hr. Apr. 9, 1991 1 hr. Apr. 14, 1991 1 hr. Apr. 16, 1991 1 day Apr. 26, 1991 1 hr. May 12, 1991 Modern Dental Pain Control 1 hr. May 12, 1991 Modern Dental Pain Control	Seattle WA Portland OR Chicago IL Chicago IL Portland OR Seattle WA Everett WA Seattle WA Olympia WA Everett WA Omak WA Wash. D.C.	Halcion Sedation N2O sedation Elect Anes Tbl. Clinic Halcion sedation Elect. Anes. Halcion Sedation Elect Anes Halcion Elect. Anes. Elect. Anes Halcion Elect. Anes N2O Elect. Anes N2O Elect. Anes Halcion Elect. Anes Halcion Elect. Anes Halcion Elect. Anes Halcion	Grad. Students U of W University of Oregon Chicago Midwinter Meeting Chicago Midwinter Meeting U of O Soph. Dent Students Seattle King Co. Dental Soc. Snohomish Co. Dental Soc. Dent. Hygiene Study Club U of W Hospital Dent. Residents Thurston Co. Dent. Hygienists Snohomish Co. Dent. Hygiene Okanogan Valley Study Club 6th International Congress on

1991	(cont.)			
	July 12, 1991	Bozeman MT	Elect. Anes Halcion	Big Sky Study Club
1 hr.	Aug. 12, 1991	Seattle WA	Halcion sedation	U of W Hospital Dental Res.
1 hr.	Aug. 19, 1991	Seattle WA	Nitrous oxide sed.	U of W Hospital Dental Res
3 hr	.Oct. 5, 1991	Seattle WA	Halcion Sedation	ADA Table Clinic
3 hr.	Oct. 6, 1991	Seattle WA	Elect. Anes.	ADA Table Clinic
3 hr.	Nov. 14, 1991	Seattle WA	Halcion sedation	Seattle Cr Bridge Seminar
			N20 sedation	_
2 day	Nov. 16, 1991			University of British Columbia
2 hr.	Dec 5, 1991	Seoul Korea	Elect. Anes.	Kyung Hee University Dental School
2 hr.	Dec 5, 1991	Seoul Korea	Elect. Anes.	Hankil (Seoul) Dental Society
2 hr.	Dec 9, 1991	Taipei Tiawan		Cathey Hospital Dental Department
2 hr.	Dec 9, 1991	Taipei Tiawan	Elect. Anes.	Mackay Hospital Dental Department
1992				
2 hr.	Jan. 9, 1992	Federal Way W	/AFlect Anes	South Puget Sound Dent Study Group
3 hr.	Jan. 24, 1992	Tacoma WA	Elect. Anes. N20	Pierce County Community College
5 111.	Jun. 2 1, 1332	racoma w/v	21000.74103.1420	Dental Hygiene
2 day	Feb. 7, 1992	Portland OR	N2O sedation	University of Oregon
2 day 3 hr.	May 8, 1992		N2O, Halcion, EDA	Analgotronics
	May 16, 1992	Seattle WA	N20 sedation	Wash. Dental Hygiene Assn.
-	May 10, 1992 May 24, 1992	Seattle WA	Halcion Sedation	American Assn. of Pediatric Dentists
	-	Seattle WA	Halcion Sedation	Wash. State Dental Assn.
3 hr.	July 9, 1992			
3 hr.	July 9, 1992	Seattle WA	Elect. Anes.	Wash. State Dental Assn.
2 hr.	Oct. 7, 1992	Seattle WA	Halcion sedation	U of W Hospital Dental Res
2 day		Portland OR	N2O sedation	University of Oregon
1 hr.	8 Dec, 1992	Seattle WA	Anesthesia	Seattle King Co. Dent. Soc.
1 day	11 Dec, 1992	Indianapolis IN	Elect. Anes.	Indiana University
1993				
2 hr.	13 Jan., 1993	Seattle WA	Elect. Anes. N.W. D	ental Materials Study Club
	15 Jan., 1993	Seattle WA	N2O, Halcion, EDA	University of Washington
-	16 Jan., 1993	Seattle WA	Elect. Anes.	University of Washington
-	29 Jan., 1993	Edmonton AB		3M Company
-	30 Jan., 1993	Calgary AB	Elect. Anes.	3M Company
-	30 Jan., 1993	Calgary AB	Elect. Anes.	3M Company
-	ay1 Feb., 1993	Seattle WA	Elect. Anes.	Puget Sound Cont. Dental Ed. Gr.
1 hr.	2 Feb., 1993	Tacoma WA	Elect. Anes.	Pierce County Comm. College
1 111.	Z Feb., 1993	racoma WA	Elect. Alles.	Dental Hygiene.
3 hr.	Feb. 19, 1993	Chicago IL	Elect Anes	Chicago Midwinter Meeting
3 hr.	Feb. 19, 1993	Chicago IL	Halcion	Chicago Midwinter Meeting
3 hr.	Feb. 20, 1993	Chicago IL	Elect Anes	Chicago Midwinter Meeting
3 hr.	May 12, 1993	Seattle WA	Elect Anes	Research Celebration Day
J	, . <del>_</del> , . <del>_</del>			University of Washington
2 day	June 24, 1993	Portland OR	N2O sedation	University of Oregon
-	Sept. 17, 1993	Spokane WA	N2O, EA, Halcion	Analgotronics
-	Oct. 8, 1993	Seattle WA	N2O, EA, Halcion	University of Washington
-	Dec 3, 1993	Portland OR	N20 sedation	University of Oregon
_ aay	200 0, 1000	. Or claria Oil	0 55446511	ooroney or orogon

1004				
<b>1994</b> 3 hr	lon 11 1004	Seattle WA	N2O Floot	AnesShoreline Community
	Jan. 11, 1994 Dental Hygiene	Seattle WA	N2O, Elect.	Ariesshoreline Community
_	Jan. 11, 1994	Bellevue WA	Eect. Anes.	Seattle King Co. Dent. Soc.
	25 Jan., 1994	Tacoma WA	Elect. Anes.	Pierce County Community
	Dental Hygiene	racoma WA	LICCL. AIICS.	Fierce County Community
_	Feb. 17, 1994	Chicago IL	Elect Anes	Chicago Midwinter Meeting
	Feb. 17, 1994	Chicago IL	N20 Scavenging	Chicago Midwinter Meeting Chicago Midwinter Meeting
	Feb. 20, 1994	Chicago IL	Elect Anes Chicago	Midwinter Meeting
	Feb. 20, 1994	Chicago IL	Halcion Sedation	Chicago Midwinter Meeting
	Mar 6, 1994	Puerto Rico	EA N20 marketing	Amer. Society of Dental Anes
	Mar 8, 1994	Martinique	Electronic Anes.	Amer. Society of Dental Ames
	Mar 9, 1994	Barbados		Amer. Society of Dental Anes
	Mar 17,1994	Seattle WA	N20 Scavenging	NW Dent Hygiene Study Club
	.15 Apr., 1994	Boston MA	Elect. Anes.Amer.	Society of Dental Anesthesia
	19 Apr., 1994	Alhambra CA	N2O Scav, Halci. EDA	
	23 Jun, 1994	Portland OR	N20 Sedation, EDA	University of Oregon
-	12 Oct., 1994	Seattle, WA	Dental Materials	Seattle Area Material and Production
	,	, , , , , , , , , , , , , , , , , , , ,		Engineers Boeing Co.
2 days	9 Dec, 1994	Portland OR	N20 Sedation, EDA	University of Oregon
			,	3 3 3 3
1995				
1 hr.	11 Jan., 1995	Seattle WA	EDA, internet for dent	t.Sea King Co. Dent. Society
1 hr. 23	3 Jan., 1995	Tacoma WA	EDA, N20	Pierce Co. Comm. College Dental Hyg.
1 hr.	2 Feb., 1995	Miami FL	EDA, N20, Halcion	Am. Dent. Soc. Anes.
2 hr.	7 Feb., 1995	Cosomel MX	Halcion sedation	Am. Dent. Soc. Anes.
2 hr.	9 Feb., 1995	Gulf of Mexico	EDA	Am. Dent. Soc. Anes.
2 day	Feb. 19,1995	Loma Linda CA	AEDA, Halcion N2O	Loma Linda U. Dental School
-	4 Mar, 1995	Bend OrEDA,	N20, Halcion	`Bend Dental Hygiene Group
1 hr.	20 Apr., 1995	Bellevue WA	EDA	Lake Wash. Dent. Hygiene Soc.
2 day	28 Apr., 1995	Vancouver BC		University of British Columbia
3 hr	7 Oct., 1995	Las Vegas NV	EDA vs Topical	American Dental Assn.
1 hr	.4 Nov., 1995	Vancouver BC	IV sedation	University of British Columbia
				GPR residents
2 days	7 Dec, 1994	Portland OR	N20 Sedation, EDA	University of Oregon
1996		0		
-	Jan. 26, 1996	Seattle WA	N2O, scavenging	University of Washington
-	Feb. 11,1996		A EDA, Halcion N2O	Loma Linda U. Dental School
	April 21, 1996	New York NY	Future of Anes in De	
	July 11, 1996	Seattle WA	EDA, halcion stab.	Pacific NW Dental Conference
ı 5 min.	.August23,24 1996	Vancouver BC		6th International Dental Seminar of
1hr				ealth - Pain Control in Dentistry
	Nov. 20, 1996			Loma Linda U. Dental School
1 day	Dec. 5, 1996	Phoenix AZED/	A, Halcion, N2O, IA	Central Arizona Dental Assn

1997			
1 hr. 23 Jan., 1997	Tacoma WA EDA, N	N20 Pierce Co Con	nm. College Dental Hyg.
7 hr. 26 Mar, 1997	Christchurch NZ		Federation of Dental
1 hr.28 Mar, 1997		Internet for Dentists	International Federation of
, , , , , , , , , , , , , , , , , , , ,		Dental Anesthesiology	
2 hr. 29 Mar, 1997	Christchurch NZ	EDA, inteross. Injectio	
,		Dental Anesthesiology	
2 hr. 29 Mar, 1997	Christchurch NZ	panel dental anes	International Federation of
2 m 20 mai, 100	ornio corrar orr rv2	Dental Anesthesiology	
1day 5 Dec, 1997	Seattle WA	N2O, EDA, Halcion	University of Washington
1 day 5 2 55, 1551	oddello Wit	1120, 257, Haloloff	omvorsity of Washington
1998			
1day 5 Dec, 1998	Sioux Falls SD	N2O, EDA, Halcion	SE Dental Society
30 min.1 May , 1998	Vancouver BC	Halcion sedation	Am. Dent. Soc. Anes.
2 day 30-31 May, 1998	Portland OR	N20 sedation	University of Oregon
1 hr 24 July, 1998	Table Mountain		f moon Table Mt. Star Party
3hr 23 Oct. 1998	San Francisco		ints Amer.Den Assoc. Tbl. Clinic
3hr 24 Oct. 1998	San Francisco		ints Amer. Den Assoc. Tbl. Clinic
	Sall Flancisco	NZO trace containina	ints Amer. Den Assoc. Tbi.
Clinic	Davitland OD	Ualaian N20 ina Da	. Doubles of been loss to Child
4hr 21 Nov. 1998	Portland OR	Halcion, N20, ins. Rev	Portland Implant Study Club
1000			
1999	Casta Diagram	Halaian Cadatian	ACDA Asses Consists
2 hr. 8 Feb. 1999	Costa Rica at sea	Halcion Sedation	ASDA Anes Cruise
2 hr. 12 Feb. 1999	Cartagena Columbia		N2OASDA Anes Cruise
7 hr. 26 March. 1999	Juneau AK	N20 review	SE Alaska Study Group
7 hr. 27 March 1999	Anchorage AK	N20 review	University of Alaska
7 hr. 27 March 1999	Anchorage AK	N20 review	University of Alaska
0.5 hr.12 May 1999	Shoreline WA	Solar Eclipse	Rotary, Shoreline Morning Club
7 hr. 11 Sept. 1999	Anchorage AK	N20 review	University of Alaska
7 hr. 12 Sept. 1999	Anchorage AK	N20 review	University of Alaska
7 hr. 9 Oct. 1999	Eugene OR		Co Dental Research Group
6 hr .30 Oct. 1999	Launceston Tasmaina	N20 halcion Austr	alian Soc. of Dent Anes
2000			
7 hr. 28 Feb. 2000	Vancouver WA	N20 Halcion, pain co	ntrol Cascade Dental Group
2 day 9-10 June 2000	Portland OR	N2O sedation	University of Oregon
1hr. 17 July 2000	Sun River OR	Dent. Consulting	NW Assn. 3rd Party
Administrators			
2 day15-16 Sept. 2000	Seattle WA	Pain control	U of Washington
2 day1-2 Dec 2000	Phoenix AZ	Halcion	IDF Study Club
-			•
2001			
1 hr 8 Feb. 2001	Seattle WA	Dental Fraud	Lions Club Columbia City
2 day 22-23 Feb. 2001	Scottsdale AZ	Halcion	IDF Study Club
2 hr. 17 May 2001	Rosario WA	Dental Insurance	Washington Employer Trust
2 day 1-2 June 2001	Portland OR	N20	U of Oregon
•	•		3

2001 (cont.)  1 day 14 Sept. 2001  1 day 19 Oct 2001  1hr. 21 Nov 2001  1 day 30 Nov 2001  1hr. 17Dec 2001	Walla Walla WA Seattle WA Melbourne Austra Moses Lake WA Seattle WA	Halcion N2O Halcion N2O alia Dental Emerg. Halcion N2O Dental care	Walla Walla Dent Soc. Wash. Academy Gen Dent Melbourne Dental Study Club Moses Lk Dent Imp. Stdy Club Radcliff House for drug rehab.
2002 2hr. 28 Feb 2002 1 hr 3 April 2002 3 hr 11 May 2002 8 hr 12-14 May 2002 2 days 15-16 June 2002 2 hr 5 Sept. 2002 2 hr 16 Oct 2002	Seattle WA De Pago Pago Am Sa Pago Pago va Portland Or N2 Kirkland WA De	rious topics	Beacon Hill Dent Assoc.  NW Dental Study Club  U of W PICCE med school  U of W PICCE med school  OHSU  Dental Diag Treat. SC  Dental Hygiene Study club
2003 1 hr 8 Jan 2003 2 day 22-23 March2003 1day 18 April 2003 20 min. 3 May 2003 1 hr 6 June 2003	Vancouver BC Nit Seattle Ha Tucson AZ Ha	alcion dent. emerg. alcion titration	Dental materials study club Faculty of dentistry U of BC Wash AGD ADSA national meeting 10th meeting International Federation of Dent. Anes
2 day 20-21 June 2003 1 hr 24 July 2003 4 day 2-5 Sept 2003 2 day 12-13 Sept 2003 2 day 9-10 Oct 2003 1 day 21 Nov 2003	Seattle WA Lo Koror, Palau Co Seattle WA Nit Ft Lewis WA Ha	ocal anesthesia omputers D. emerg trous Oxide halcion	U of Oregon Cont. Ed. Pac. NW Dental Congress U of W PICCE, Pac Basin Den A.
2004  1 hr 22Jan 2004  1 day 30 Jan 2004  1 hr 31 Jan 2004  1 day 26 Feb. 2004  2 day 20 21 Mar. 04  - 20 -2 day 27 28 Mar.  1hr 1 May 2004  2 day 5-6 June 2004  2 day 11-12 June 2004  1 day 15 Oct 2004  2 days 3-4 Dec 2004  2 days 19-11 /Dec 2004	Boston MA Ha Boston MA Ha Salt Lake City Ha Guam ha ar 2004 Vancouve Key West FL Ha Atlanta GA Nit Portland OR Nit Ft Lewis WA Nit	alcion, local, dent en alcion alcion sedation alcion N20 er N20 alcion conflict trous oxide halcion trous oxide trous halcion	uality Assurance Comm. merg. Yankee Dental Congress Breakfast Yankee Dental Congress Utah Dental Association Guam Dental Society U of B. C. ADSA DOCS U of Oregon Cont. Ed. Ft Lewis Army Dent. Residents DOCS U of W
2005 2 day 11-12 Feb 2005 2 day 10-11-May 2005		trous Halcion trous oxide halcion	DOCS OHSU

2005 (cont.)  1day 14 May2005  2 day 17-18 May 2005  3 hr 26 May 2005  2 hr. 24 Sept 2005  3 hr 21 Sept 2005  1 day 17 Oct 2005  2 days 20-21 Nov 2005  10 min 2 Dec 2005	Seattle Wa Pittsburg PA Alaska Ft. Lee NJ Federalway W. Ft Lewis Seattle WA Olympia WA	Nitrous oxide Halcion Dent Emerg. Halcion Dental Emerg. A Dent Emerg. Halcion N2O Halcion sedation Oral conscious sedatio	Idf P. D. Dent. Seminars WashAGD Study club Ft Lewis Army Dent. Residents
2006 2 day 30-31 March 2006 1 day 1 April 2006 1 day 8 April, 2006 1 day 28 April, 2006 2 day 21-22 July 2006 2 day 11-12 Aug 2006 1 day 11 Sept 2006 2 hr 24 Sept 2006 10 min 6 Oct 2 day 15-16 Dec 2006 1 day 17 Dec 2006	Vancouver BC Vancouver BC Portland OR St Paul Minn Portland OR Portland OR Ft Lewis Kent Yokohama JP Portland Portland	Halcion Halcion emerg. Halcion emerg n2o N2O sedation OCS N2O sedation OCS N2O Halcion sedation N2O halcion emerg	U of British Columbia U of British Columbia Oregon Dental Assn. Minn Dental Assn. OHSU OHSU Ft Lewis Army Dent. Residents Willamette Dent Group 10th IFDAS OHSU OHSU
2007 1 hour Feb 7, 2007 1 day 11 May 2007 2 day 18-19 May 2007 2 day 14-15july 2007 1 day 13 July2007 2 day 30 Nov 1 Dec 07 1 day 2 Dec 2007 1 day 24 Sept 2007 1 day 30 Nov 2007 2 day 1-2 Dec 2007	Seattle WA Phoenix AZ Seattle WA Portland OR Portland OR Portland OR Portland OR Fortland OR Ft Lewis WA Portland OR Portland OR	Oral Conscious Sed Oral Conscious Sed. Oral Conscious Sed N2O Sedation Oral Consciou Sed N2O sedation	Seattle C and B study club TC Still Dental School U of Washington OHSU OHSU OHSU OHSU Army GPR OHSU OHSU
2008 2 day 7-9 Feb 2008 3 day 11-13 Apr 2008 1 day 21 May 2008 3 day 1-3 Aug 2008 4 hr 15 Sept 08 1 hr 16 Sept 08 3 day 7-9 Nov 08 3 day 5-7 Dec 08	Syracuse NY Portland OR Seattle WA	N20 cons sed N20 cons. Sed N20 dent emerg. N20 cons. Sed Provider BLS Dent. for consumers N20 cons. Sed N20 cons. Sed	Medwox.org U of British Columbia Upper NY Perio club OHSU SCCC Dental Hygiene MI lions club U of Washington OHSU

2009				
14 hr	22-24 Jan 2009	Whitefish MT	N20 cons sed	Medworx OHSU AGD/OR
1 hr	13 Mar, 2009	Bremerton WA	DQAC politics	Wa St Oral Health Coalition
3 hr	9 Mar, 2009	Seattle WA	Prov. BLS	NW dent materal Stdy Club
1 hr	21 Apr 2009	Seattle WA	Dent. for consumers	Rainier Valley Rotary
3 day	24-27 Apr 2009	Vancouver BC	N20 cons. Sedation	U of British Columbia
3 hr	15 May 2009	Los Angeles	N20 OCS med emerg	S. Calif Dental Assn
3 hr	15 May 2009	Los Angeles	N20 OCS med emerg	
1 hr	4 June 2009	Tukwilla WA	Dent. for consumers	Tukwilla Rotary
1 hr	4 June 2009	Seattle WA	Dent. for consumers	International District Rotary
1 hr	11 June2009	Seattle WA	Dent. for consumers	Sunrise University Dist Rotary
1 hr	1 July 2009	Shoreline WA	Dent. for consumers	Shoreline Breakfast Rotary
3 day	31july - 2Aug 2008	Portland OR	N20 cons. Sed	OHSU
1 hr	28 Aug 2009	Seattle WA	Dent. for consumers	Lake Union Rotary
3 day	•	Seattle WA	N2O cons. Sed	U of Washington
1 hr	15 Oct 2009		ralia Halcion case rpt	Int Fed Dent Anes Societies
1 hr	16 Oct 2009		ralia BIS monitoring	Int Fed Dent Anes Societies
1 hr	12 Nov 2009	Kirkland WA	Dent. for consumers	Madison House Retirement Ctr
3 day		San Francisco		Conscious Sedation Consulting
-	4-6 Dec	Portland OR	N20 cons. Sed	OHSU
o day	. 0 200	r or clarid or	1120 001101 000	
2010				
3 hr	26 Feb 2010	Missoula MT	Med emergencies	MT AGD
2 hr	27 Feb 2010	Missoula MT	Dental Insurance	MT AGD
7 hr	24 Apr 2010	Seattle WA	N2O peds for RNs	Swedish Medical Center
21hr	5 May 2010	Vancouver BC	N20 cons. Sed	Univ. British Columbia
2 hr.	14 May 2010	Seattle	Provider BLS	Beacon Hill Dent Associates
2 hr	29 May 2010	Jasper AB	Med emergencies	Alberta Dental Assn / College
1 hr.	30 May 2010	Jasper AB	Age Relevant Dent	Alberta Dental Assn / College
12 hr.	10 Aug 2010	Seattle WA	N2O, med emerg, fl v	Beacon Hill Dental Assoc.
5 hr	13 Aug 2010	Provo UT	N2O emerg. Halcion	Academy of LDS Dentists
3 day	19-21 Aug 2010	Portland OR	N20 halcion emerg	OHSU
3 day	27-29 Aug 2010		9	Medworx/S. Beach Dental
1 day	•	Seattle WA	Halcion emerg	Dr. Spear Sea. Inst. for adv. Dent
1 hr	7 Sept. 2010	Seattle WA	Age Relevant Dent	Kent East Hill Rotary
1 hr	21 Sept. 2010	Seattle WA	Age Relevant Dent	Rainier Valley Rotary
3 day	24-26 Aug 2010	Seattle WA	N20 halcion emerg	U of Washington Dental School
3 day	3-5 Dec 2010	Portland OR	N20 halcion emerg	OHSU
2011				
1 hr.	15 March 2011	Seattle WA	Vietnam Chu Lai video	oRainier Vallev Rotarv
1 hr	6 April 2011	Shoreline WA		Shoreline Morning Rotary
1 hr	27 April 2011	Seattle WA		sumer Museum of Flight
21hr	29 April1 May 2011		N20 cons. Sed	Univ. British Columbia
1 hr.	20 May 2011	Phoenix AZ	Age relevant Dent	
	LO May LOTT	. HOUTHA AL	A GO TOTO VALLE DOLLE	, , toon or Dontal Collouitailto

2011: (cont.)			
1 hr 26 May 2011 21 hr 28 July 2011 2 hr 23 Aug 2011 C 2 hr 23 Aug 2011 C	Cochabamba Bol	_	Madison House Retirement Ctr OHSU S Smiles for ever Shoreline DH S Smiles for ever Shoreline DH Bolivian Dental Hygiene Assn. U of Washington Dental School
21 hr 2-4 Dec 2011	Portland OR	N20 halcion emerg	OHSU
2012 3 hr 3 Feb 2012 1 hr 15 Mar 2012 1 hr 27 Mar 2012 21hr 27-29 Apr 2012 4 hr 24 May 2012 2 hr 26 May 2012 3 hr. 11 June 2012 1 hr 15 Jund 2012 3 hr 22 June 2012 21 hr 19-21 July 2012 21 hr. 12-14 Oct 2012 21hr 16-18 Nov 2012 1 hr 21 Nov 2012 21 hr 30 Nov 12 Dec 2019	Jasper AB Jasper AB Everett WA Seattle WA Philadelphia P Portland OR Seattle WA Vancouver BC Seattle WA	Dental insurance cons N20 cons. Sed	Beacon Hill Dental Associates entists Webinare SDO.com sulting Webinare SDO.com Univ. British Columbia Alberta Dental Assn + College Alberta Dental Assn + College Dr. Jean Pacifid Northwest Dent Conference Academy of General Dentistry OHSU U of Washington Dental School Univ. British Columbia Rainier Valley Rotary OHSU
2013 7 hr. 22 Jan 13 2013 1 hr. 7 Mar 13 2013 1 hr. 1 April 13 2013 21 hr. 1 April 26-28 2013 1 hr. 1 April 13 2013 21 hr 23-25 May 2013 21 hr 11-13 July 2013 16 hr. 25-27 Oct 2013 21 hr. 1-3 Nov 2013 21 hr. 13-15 Dec 2013	Seattle WA Jasper AB Portland OR Whitefish MT	Age relevant dentistr N20 cons. Sed	U of Wash graduate perio and endo y Redmond Retirement Center y Washington Place Wallingford Univ. British Columbia y Summit House Jewish Retirement Alberta Dental Association and College OHSU Medworx Univ. British Columbia OHSU
<b>2014</b> 7 hr 1 Nov 2014 21 hr. 14-16 Nov 2014	Edmonton AB Seattle WA	Local anes Sed DrDuv N20 halcion emerg	vis Alberta Dental Assn and College U of Washington Dental School