



Angle Newsletter

Published by the Edward H. Angle Society
of Orthodontists, Inc., The E.H. Angle
Education and Research Foundation, Inc.

Volume 17, No. 1

ISSN 1098-1624

July 2007

A MESSAGE FROM THE PRESIDENT...



Dr. David R. Musich
President

As the 37th Biennial of the Edward H. Angle Society of Orthodontists enters the final months of preparation, I am happy to report that all of the elements of an "historic and memorable" Biennial have been put in place.

- Outstanding location—Chateau Frontenac, Quebec City
- Perfect timing (September 16-20th)—Fall colors and cool evening walks in "Old Quebec City"
- Social activities—opening cocktail welcome; boat trip up St. Lawrence river with dinner and dancing; and spectacular gala banquet in Frontenac's exquisite ballroom. There will be a number of optional events: golf, cooking classes, a day trip to Bay St. Paul (Charlevoix Region), and a bus tour of Quebec City.

Special presentations:

Sheldon Peck—Memorial Lecture: "The World of Edward H. Angle: *Insights from his letters.*"

Lysle Johnston—Special presentation: "*Evidence-based treatment: Shoot the messenger.*"

Birte Melsen—Special International Presentation: "The State of the art on bone screws."

Camilla Tulloch— "Are bone plates a realistic alternative?"

Maurice Plito—Special Spouse Presentation: "Seeing with the tongue."

Incredible scientific program—14 "best papers," two selected from each of our components, will provide each of the attendees with an update of current orthodontic research advances, a critique and group discussion, unique to Angle meetings.

Carroll-Ann Trotman: "Smile analysis and quantification in cleft palate patients."

Joe Ghafari: "The hierarchy of Information."

Gene Roberts: "The quality road to increased clinical productivity."

Allen Moffitt: "ABO resident clinical outcomes study and more..."

Don Burden: "Long-term outcomes following treatment of class II, division 1 malocclusion using fixed appliances."

Dianne Rekow: "New advances in tissue engineering for craniofacial repair."

Heon-Jae Cho: "The long-term stability of mandibular setback surgery."

Maryse Aubert: "New perspective on early treatment: Comparison of data from treatment started in mixed dentition and permanent dentition."

Doug Knight: "What I learned through prospective treatment of my Angle cases."

Rob Elliott: "The partnership of orthodontic and restorative therapies- key elements of communication."

Alice Shen: "Maxillary impacted cuspids: can the problems be prevented?"

Jim Zahrowskie: "Bisphosphonate and orthodontics."

Jimmy C. Boley: "An interdisciplinary approach for adult mutilated bimaxillary protrusion patients."

Wick Alexander: "A case for developing treatment guidelines in orthodontics."

Our program Chair, Paul Rigali, maybe calling Angle members with parallel research interests to topics being presented to be discussers of the papers listed above. Please make every effort to support the 37th Biennial as a paper discussor, if you are asked. THANK YOU.

Our general Chair, **Bill Northway** has created a wonderful online perspective of the meeting details. Look for the day-by-day description of the **37th Biennial** at www.AngleEast.org/meeting07/ It is also possible to review the complete 37th Biennial program and to register for both the meeting and for optional events online. Remember to register separately for the hotel and to reserve your airline reservations early for best rates. *Early bird* meeting registration saves \$100 if done before May 1st.

continued on page 3

YOUR ANGLE SOCIETY MEMBERSHIP DUES

Angle Society dues are billed separately for your national and component memberships.

Your national dues are sent directly to the Central Office in Lawrence Kansas and include payment for your *Angle Orthodontist* journal subscription. The national office sends you a bill for this payment in the Fall of each year. Questions regarding national dues can be directed to Kay Rose, PO Box 1897, 810 E. 10th Street, Lawrence, KS 66044-8897. (785) 843-1235 ext. 289; (785) 843-6153, fax.

Component dues are separate and are billed individually by each component's office. The amount of dues charged by each component is determined within each component. These dues and questions about them should be sent to your component's treasurer.

Future Biennial Meetings

The 37th Biennial Meeting is being held September 16–20, 2007 at the Fairmont Le Chateau Frontenac in Quebec City, Quebec.



EDWARD H. ANGLE

SOCIETY OF ORTHODONTISTS, INC.

Board of Directors, 2005–2007

David R. Musich, President
Jimmy C. Boley, Vice President
Sheldon Peck, Secretary
Dale V. Rhoney, Treasurer
Gary R. Baughman
Timothy T. Wheeler
Richard P. McLaughlin
Paul T. Castelein

Phillip C. Campbell (ex officio)
Robert J. Isaacson (ex officio)
Blaine S. Clements (ex officio)
Alton W. Moore (ex officio)

Director, Angle East
Director, Angle Southwest

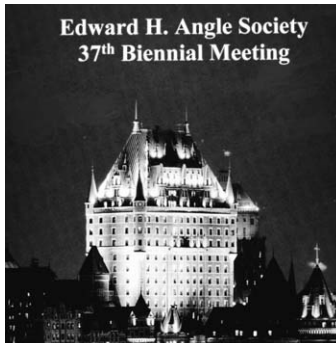
Director, Angle Northwest
Director, Angle Northern California
Director, Angle North Atlantic
Director, Angle Southern California
Director, Angle Midwest

Treasurer, E. H. Angle Foundation
Editor, *The Angle Orthodontist*
Secretary Emeritus
Secretary Emeritus

The Angle Newsletter welcomes contributions of interest to Angle Society members. Items should be related to events, activities, or people involved in the Edward H. Angle Society of Orthodontists. Address correspondence about the Newsletter to: Dr. Bhavna Shroff, VCU School of Dentistry, Department of Orthodontics, 520 N. 12th Street, Box 980566, Richmond, VA 23298-0566. (804) 828-9326, phone; (804) 828-5789, fax; bshroff@vcu.edu.



Dr. Bhavna Shroff



hour road trip along the St. Lawrence Seaway to Quebec City. (If you are an antique buff, there are many famous antique shops between Montreal and Quebec City.)

EHASO Board of Directors' Meetings:

Your Angle Board will be meeting through a conference call on Monday, April 16th. While there are no pressing issues facing the Angle Board, the conference call will prepare Board members for their all day meeting on Sunday, September 16th during the beginning of the Biennial. Current agenda items include:

1. The Angle Heritage Campaign – **Rick McLaughlin**
2. Current finances – the Treasurers – **Phil Campbell; Dale Rhoney**
3. *The Angle Orthodontist*, print and online – long-term strategies – **Bob Isaacson**
4. Biennial Meeting 2007, Quebec City – updates; vote on guest invitations to Biennial — **David Musich**
5. Secretary's update – bylaws changes advisable – nomenclature, Biennial Manual; *ad hoc* bylaws committee to report at 2007 Biennial – **Shel Peck**

Travel: It is very important to make your travel plans early. There are flights directly into Quebec City through Canadian hubs like Toronto, but the lower priced seats on these flights fill up quickly since Quebec City is an important fall destination for many savvy travelers. Flights into Montreal is another excellent option, however, you will need to rent a car for the beautiful 2-2 ?

If Angle members have additional items to bring before the Board, please discuss them with your Director so that they can be included in the agenda at the upcoming September Board meeting.

EHASO Heritage Campaign (AHC):

AHC was introduced at our last Biennial and it is our hope that Angle members with their pledges and contributions will allow us to reach our \$2 million goal of pledged contributions by the 2007 Biennial. Campaign chair, Rick McLaughlin clarified the campaign concept very well.

"We as Angle Society members have a clear challenge and opportunity. The Angle Orthodontist intends to continue to lead by example and to make research available online without charge, for it is in our own best interests to have an outstanding Journal desired by researchers and clinicians worldwide. Dr. Angle would applaud such an ideal."

With only 5 months before the next Biennial, please respond generously to your component AHC liaison as they approach you with their request to support the Heritage Campaign. We are striving to have each member pledge the equivalent of one case (about \$5000). Many members are using special patient situations (i.e. referring doctors' children, staff, or unique connections that might otherwise be treated for no fee) fund their pledge. This is a painless way to use pre-overhead, pre-tax dollars fund the availability of our free-access to *online Angle*. What a great legacy for us to leave future orthodontists and their patients throughout the world. Let's find the generosity to fund this important project.

See the important announcement from Rick McLaughlin in this Newsletter regarding recent advances in our AHC funding.

Hoping to see each of you at the *Frontenac* to celebrate our 37th Biennial,

David R. Musich, DDS, MS



Angle Orthodontist Gift Subscriptions

Angle members automatically receive *The Angle Orthodontist*. But many other clinicians seldom see our journal. If you have a friend or study club member who falls into this category, why not consider giving him or her a gift subscription to *The Angle Orthodontist*? Your action will benefit your friend, and will help support one of the finest journals in dentistry! A one-year subscription is just \$145, and a two-year subscription is \$275. Rates are slightly higher for subscribers outside the US and for institutions.

To give a gift subscription, write to:

The Angle Orthodontist
Subscriptions
PO Box 1897
Lawrence, KS 66044-8897

Phone: (785) 843-1235
Fax: (785) 843-1274
E-mail: krose@allenpress.com

Update on the Angle Heritage Campaign

As you are all aware, at our last Biennial Meeting in Lake Tahoe, the Angle Heritage Campaign was introduced, and a fund raising goal of \$2,000,000.00 was set to provide a perpetual fund for our on-line Angle Journal. The hope was to obtain pledges in this amount by the Biennial Meeting in Quebec City this September. As of April 1, 2007 we have received **\$713,170.72 in pledges**. Almost three quarters of a million dollars is a wonderful beginning, however, we still have work to do. At this time, approximately **one-third** of our membership has pledged to the Campaign. **It is our hope that other members will commit to this worthwhile effort and present a pledge!**

Efforts have been made to contact **orthodontic companies**, but to date corporate pledges have been very minimal and we need to re-dedicate our efforts in this area. To date, we have only received \$4,100.00 in corporate pledges. The response time is slow, but more significantly, the pledge amounts have been very minimal. We will continue to pursue this avenue **and we would appreciate help from anyone who has a positive connection with any of the orthodontic companies.**

On a most positive note, however, we have just been informed by Dr. Phil Campbell that a very generous **anonymous donor has agreed to match all NEW contributions to the AHC through the close of the Biennial Meeting in September, up to \$100,000.00!!!** We hope that you will keep this in mind, as your pledge will actually result in a **double contribution** to the Campaign.

I wish to thank my fellow National Board Members, Component Directors and AHC Campaign Chairpersons for their continued efforts on this worthwhile campaign.

Below are the pledges and Campaign Chairpersons for each Component:

<u>Component</u>	<u>Pledges</u>	<u>Component Campaign Chairpersons:</u>
East Total:	\$ 90,380.00	Dr. Leena Peck
Midwest Total:	\$ 54,335.00	Dr. Joseph Hicken
No. Atl. Total:	\$108,985.00	Dr. Bruce Haskell
No. Cal. Total:	\$119,005.00	Dr. Ron Champion
No. West Total:	\$ 84,195.00	Dr. Mike Wainwright & Dr. Chris Matthews
So. Cal. Total:	\$130,820.72	Dr. Hap Dougherty
So. West Total:	\$121,350.00	Dr. Robert Orr
Corporate Total:	\$ 4,100.00	
Grand Total:	\$713,170.72	

Please feel free to **contact your Component Chairperson** for additional information on the Campaign, including pledge cards. You may also send your pledges directly to **Dr. Phil Campbell at E.H. Angle Education and Research Foundation, Dept. of Orthodontics, Baylor College of Dentistry, 3302 Gaston Ave., Dallas, TX 75246.** Or contact **Laura at Dr. Richard McLaughlin's office at (619) 225-1611 or ljpraces@aol.com.**



Do you have news of interest to fellow members?

The Angle Newsletter welcomes letters and other news items from its members. Please contact Dr. Bhavna Shroff, VCU School of Dentistry, Department of Orthodontics, 520 N. 12th Street, Box 980566, Richmond, VA 23298-0566. (804) 828-9326, phone; (804) 828-5789, fax; bshroff@vcu.edu.

ANGLE HERITAGE CAMPAIGN

Supporting the online ANGLE ORTHODONTIST in perpetuity

EDITOR'S CIRCLE

\$50,000 and above
Gary R. Baughman
Robert J. Isaacson

FOUNDERS

\$25,000 and above
David R. Musich

LEADERS

\$10,000 and above
Wick Alexander
Jimmy C. Boley
Phillip M. Campbell and
Susan Wunderlich
Ronald Champion
Joseph T. Hicken
Kenneth Kai
Richard P. McLaughlin and
Paul Upatham
Midwest Angle Component
Northern California Component
William Northway
Jerry Orchin
Robert L. Orr
Sheldon Peck and
Leena Peck
Annie Siu
Marvin Stephens and
Cory Stephens

BENEFACTOR

\$5,000 to \$9,999
Richard Albright
Chuck Alexander
Mike D. Allen
Larry Andrews and
Will Andrews
Dan Banh
Milt Chan
Samuel Chiang
Jenny Chung
Harry Dougherty, Jr.
Steven Dugoni
Robert W. Elliott
Jimmy Fanning
Donal Flanagan
Mehdi Fotovat
Michael Gabler
Andrew Girardot
Roy Gunsolus
Darren Haltom
Tucker Haltom
Robert Hambleton

Darrell Havener
Hiroki Hayashi
Robert W. Horton
Allan Iain
Douglas Jaul
John D. Jones
Gary Kawata
David Kennedy
Lisa King
Doug Klein
Ann Kloehn
Masatada Koga
Gary Kawata
Hugh W. Lamont
Francine M. Lo
Matt MacLean
Christopher Matthews
Richard Mays
Alton Moore
Thomas Mulligan
Willis Murphey, Jr.
Hirohito Nagai
Ryoichi Niikura
Takashi Ninomiya
Brian Payne
Daniel Percy and
Mittida "A" Raksanaves
Saijai Peng
Hugh R. Phillis
Anthony Puntillo
Paul H. Rigali
Dale V. Rhoney
Stephen Roehm
Dave Rynearson
Nile Sorenson
Mike Steffen
Daniel Tanguay
Pat Turley
Gregory Wadden
Kazuya Watanabe
W. Michael Wainwright
Peter Worth

FELLOWS

\$1,000 to \$ 4,999
Barrett Anderson
Kazuhito Aria
James Baldwin
Nicholas D. Barone
Tayer Barton
Ronald Bellohusen
Robert Boyd
David Briss

Barry Briss
Thomas Butterfoss
Douglas Cameron
Michel DiBattista
Nicholas Disalvo
Toshio Deguchi
Douglas Cameron
Larry Doyle
Arthur Dugoni
Richard Faber
Jim Fasy
Robert Fields
Bruce Fiske
Robert Frantz
Zachary Freer
Michael Gabler
Anne Marie Gorczyca
Alfred Griffin
Fred Grimm
Unae Han
Chester Handelman
Bruce Haskell
Haluk Iseri
Robin Jackson
Katie Julien
Art Kobal
Marcel Korn
Valmy Kulbersh
Steven Lindauer
Lee Logan
Ross Long, Jr.
Michael Margolis
Matthew Miner
John Moore
Ravindra Nanda
Jonathan Nicozisis
Don Niewold
Perry Opin
Inkwon Park
Roy Parle
Harvey Peck†
E. G. "Stratty" Righellis
Leonard Rothenberg
David Satott
Peter Shapiro
Michael Sheets
Bhavna Shroff
Ronald Snyder
Hugh C. Sobottka
Michael E. Spoon
William Sproule
Howard Starnbach
Barton Tayer

Han Unae
Timothy T. Wheeler

FRIENDS

Under \$1,000
Louis Andria
Howard Anstendig
Samir Bishara
Jay Bowman
Robert Bray
Joseph Catania
Sylvain Chamberland
Sy Conarck
John Conover
Frank Cordray
William Davidson
William F. Denny
Cal Dolce
Joop Dorenbos
Robert Frantz
David Hamilton††
Greg Huang
Ed Johnson
John C. Ive
Lysle Johnston
Marissa Keesler
Yukio Kitafusa
Etsuko Kondo
Jon Kraut††
George Kottemann
David Lawless
William Lieber
Hideo Mitani
James Peck
Donald Poulton
Antonio Russo
Robert Schindel
Stephen Sherman
Tina Siu
J. Daniel Subtelny
Robert Vanarsdall, Jr.
Robert Varner
Michael E. Vermette
Charles K. Wear
Gary Richard Wolf
Daniel Yaillen
Kazunori Yamaguchi
Yasuhiko Asai

Gifts made in Memoriam:

†Angle East Component

††Angle North Atlantic Component

LISTING BY ANGLE COMPONENT MEMBERSHIP

Angle Southwest Component	\$ 121,350
Angle Southern California Component	135,821
Angle North Atlantic Component	108,985
Angle East Component	89,380
Angle Northern California Component	119,005
Angle Northwest Component	84,195
Angle Midwest Component	54,334

For more information on the Heritage Campaign call or e-mail Rick McLaughlin, Campaign Chair, at: RPMclaugh@aol.com, or phone: (619) 225-1611 or fax (619) 222-7113.

Pledges received as of APRIL 9, 2007

COMPONENT NEWS

Angle East

Officers

President	Howard Anstendig
President-Elect	Michael Cognata
Vice Presidents	Donald Taylor
Secretary-Treasurer	Hugh Phillis (2 nd yr)
Editor	Jay Bowman (2 nd yr)
Historian	Sheldon Peck
Director	David Musich
3 rd Past President	Robert Vanarsdall
2 nd Past President	Jeremy Orchin
1 st Past President	Matt Miner
Exam Chair	Michel DiBattista
Academic Chair	Leslie Will
Bylaws Chair	Donald Taylor
Outreach Chair	Frank Cordray

Meetings

March 28 - April 1, 2007
Boston Harbor Hotel
Boston, MA

News

The Eastern Component (Angle East) of the Edward H. Angle Society is looking forward to a "Beantown Banquet" beginning March 28, 2007. President Matt Miner and Local Arrangements Chair, Paul Rigali have been planning a Massachusetts welcome for our annual session. As always, the meeting represents a balance between scientific presentations and social events. Howard Anstendig has put together the scientific program with a full-slate of fourteen presentations, all to be followed by lively critiques and discussions.

We are meeting at the beautiful Boston Harbor Hotel that featured spectacular views of harbor that once hosted an interested "tea party" in the past. Lynn Miner is planning a much less divi-



sive array of social events for spouses including a visit to the JFK Presidential Library/Museum, a tour of Harvard, luncheon at Upstairs on the Square, and Beacon Hill House tour. Coincidentally, the Boston Wine Festival is being held simultaneously and offers options for eonophiles to partake.

Angle East is rolling out the red carpet for all Angle Society members for the 37th Biennial – it's just around the corner! We invite you to the spectacular Chateau Frontenac in Quebec City, Quebec. There will be 14 "best papers" representing each component's research efforts. In addition, we have three special presentations including the Sheldon Peck's Memorial Lecture entitled, "The World of Edward H. Angle: Insights from His Letters," Lysle Johnston's "Evidence-based Treatment: Shoot the Messenger," and Birte Melsen's "Orthodontic Anchorage Implants: State of the Art."

Our Biennial chairman, Bill Northway, and local arrangements chairs, Don Taylor and Sylvain Chamberlain, have created a wonderful program from members and guests including Dinner on a scenic boat tour of the St. Lawrence River, Optional golf at the Royal Quebec Golf Club or cooking class at Frontenac. Our meeting will wrap-up with a Gala Banquet with entertainment. We urge you make your travel arrangements very early and register for the meeting at our website www.angleeast.org (specifically, <http://angleeast.org/meeting07/>).

Angle Midwest

Officers

Past President:	Chester Handelman
President:	John Conover
President Elect:	Rusty Long
Vice President:	Ron Snyder
Secretary Treasurer:	Steve Harrison
Chairman of Admissions:	Tim Trulove
Study Committee Chair:	Robyn Siberstein
Component Representative:	Valmy Kulbersh





Bob and Delores Issacson sharing good times with Chet Handelman.



Mike and Molly Gabler and John and Susan Connover enjoying the cocktail hour.

Meetings

February 2-6, 2008, Hapuna Beach Prince Resort in Hawaii. For more information visit our website at www.anglemidwest.org.

News

The Angle Midwest Component of the Edward H Angle Society had its Annual meeting on January 27th through the 31st at the Renaissance Esmeralda Resort in Indian Wells, Ca. As usual, the meeting was characterized by the excellent scientific program orchestrated by Randy Wright and friendship expressed during the social functions.

Dr. Robert Issacson delivered the Heritage Lecture, which gave us an appreciation of the endless possibilities of technology in the advancement of our specialty.



Robyn Siberstein and Steve Harrison ready to discuss study cases.

Paul Castelein was recognized for his unselfish dedication to the Angle Society and was awarded the B.O.D special service award.

Dr. Joseph Hicken reported on the Heritage Campaign and provided pledge cards to the members present. This resulted in an increase of pledges from the Midwest Component, which totaled \$ 54,334.00.

Dr Todd Wentz successfully completed the requirements for admission into the Angle Midwest Component and it was unanimously recommended that he be presented to the regular members for a vote this spring. We regret to inform our members the passing of Drs. Jack Vorhies and Hudson Kelley. Our thoughts are with their families.

Angle Southwest

Annual Component Meeting

(Note: Date change)

**June 14-17, 2007: The Eldorado Hotel & Spa
Santa Fe, New Mexico**



ELDORADO
HOTEL & SPA
The art of hospitality in Santa Fe



It's not too late to invite a guest or to join your colleagues from *AngleSouthwest* for the annual component meeting. Preparations are underway for an outstanding meeting in Santa Fe, New Mexico.

Local arrangements chairman, Lisa King, and Vice-President, Darrel Havener have planned an excellent meeting.

- Dr. Frank Cordray will be the featured guest speaker: *Excellence in Functional Occlusion vs. Mere Cosmetology: "Why bother even trying in the Evidence-Based Era?"*

Frank is a member of the Eastern Component of the Angle Society. His primary area of focus is clinical orthodontics, with emphasis on functional occlusal concepts, gnathology, and the importance of centric relation treatment, condylar position, and articulator use in orthodontic diagnosis, treatment planning, and occlusal finishing.

Dinner is planned at the 5-star Old House restaurant.

One can scarcely mention Santa Fe without talk of the city's creative cuisine and Eldorado's own OLD HOUSE RESTAURANT. With an innovative menu and an unrivaled wine selection, every dining experience at The Old House Restaurant is an adventure in itself.

Santa Fe in June..... You don't want to miss this meeting!

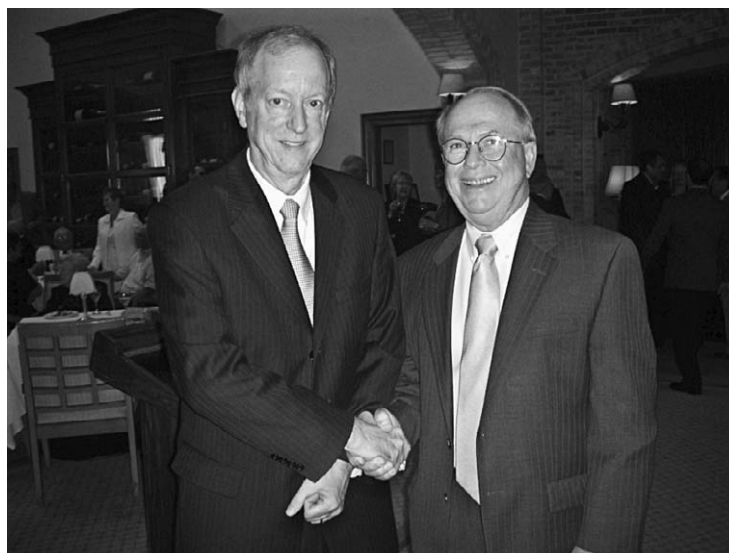
Contact Lisa King at: lkbdds@comcast.net or log on to www.anglesouthwest.org for more details.

News from the Southwest:

Congratulations:

Dr. Phillip M. Campbell, *AngleSouthwest* member and Baylor College of Dentistry (BCD) alumnus, is the new holder of the Robert E. Gaylord Endowed Chair in Orthodontics at BCD.

Dr. James S. Cole, BCD dean, and Dr. P. Emile Rossouw, professor and chair of the Department of Orthodontics, made the



Phil Campbell named as Gaylord Endowed Chair at BCD

announcement, following the recommendation of a search committee of BCD faculty and orthodontic alumni. A reception was held at Bent Tree Country Club, where more than 100 BCD alumni, faculty, students and friends gathered to honor Dr. Campbell.

"I believe Phil is a superb choice to carry on the tradition of the Gaylord endowed chair," Dr. Cole said. "I am delighted that Phil has been appointed as the Gaylord endowed chair," says Dr. Rossouw. "He is the ideal candidate because he is a role model and brings a wealth of both clinical and life experience with him that will benefit our students as they assume dental practices. He also serves as a bridge for our current faculty and the orthodontic alumni."

Dr. Campbell maintained a private orthodontic practice in Huntsville, Texas, for 33 years before joining the BCD orthodontic faculty in July 2005 as director of the graduate clinic and assistant professor. He is a longtime supporter of the college. A member of the BCD board of trustees when the dental school was private, he more recently served on the board of the Baylor Oral Health Foundation. In 2002, he was inducted to the BCD Hall of Fame.

Phil currently serves as Treasurer of the Edward H. Angle Society of Orthodontists Foundation and was a member of the EHASO Board of Directors for 8 years.

Dr. Robert E. Gaylord, for whom the endowment is named, was instrumental in founding the BCD orthodontic program in 1961 and served for 12 years as professor and chairman of the department. The endowed chair was established in 1991 following a six-year fund-raising effort to augment BCD's graduate orthodontic program. Dr. Campbell was one of the founders of the Gaylord endowed chair and was instrumental in the success of the fund-raising campaign, which garnered more than \$1 million.

Continued News from the Southwest:

Dr. J. Moody Alexander presented two very difficult and unusual cases at the annual meeting of the Texas Orthodontic Study Group held in Frisco, Texas in January. Both cases were chosen as winners of the Fred Schudy Award.

"Way to go" Moody!!!

Dr. George Schudy was also recognized as a Fred Schudy Award recipient for a case presented at the Texas Orthodontic Study Club annual meeting.

Congratulations, George!

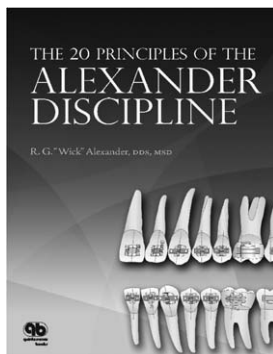
New books for your library authored by our members:

Dr. Wick Alexander is completing his second book:

The 20 Principles of the Alexander Discipline

Watch for release information from Quintessence Publishing at:

www.quintpub.com



Dr. Jason Cope has published a new Textbook:

"OrthoTADs: The Clinical Guide and Atlas"

available from: www.OrthoTADs.com

Jason B. Cope, DDS, PhD

jason@copeorthodontics.com

www.copeorthodontics.com

Editor, www.OrthoTADs.com

Diplomate, American Board of Orthodontics

Clinical Assist Prof - Orthodontics

Assist Prof - Oral & Maxillofacial Surgery

TAMUSHSC - Baylor College of Dentistry

New office addresses:

Dr. Katie Julien

2000 Abbott Rd. #202

Anchorage, AK 99507

Save The Date!



June 14-17, 2007 Santa Fe, New Mexico

El Dorado Hotel & Spa



*June is the perfect time of year to be in Santa Fe...
plan now to be in Santa Fe for the
2007 AngleSouthwest annual meeting.*

North Atlantic

Officers

President

President-Elect/Vice President

Secretary/Treasurer

Program Chair

Editor

Director to the Central Body

Immediate Past President

Ravindra Nanda

Steven Lindauer

Bhavna Shroff

Len Rothenberg

Harry Legan

Timothy Wheeler

Richard Faber

Meeting

March 28-31, 2007

Dromoland Castle

Newmarket-on-Fergus, Co. Clare, Ireland

March 5-8, 2008

Ritz-Carlton, Atlanta, GA



Officers of the North Atlantic Component of the E. H. Angle Society: Drs. Nanda, Lindauer, Shroff, Rothenberg, Legan, Wheeler, Haskell, and Faber.



Drs. Sugawara and Kitafusa at the President's reception.



Drs. Russo, Conley, Shroff and Jenkins at the President's reception at Dromoland Castle.



President Ravi Nanda and Mrs. Nanda with Dr. and Mrs. Ram Nanda.



Dr. Nanda's opening of the 2007 meeting.



The North Atlantic Component members at Dromoland Castle.

News

The North Atlantic Component of the Angle Society held its annual meeting in sunny Ireland on March 28-31, 2007. We were blessed to have beautiful weather the entire time we were there. The meeting was held at Dromoland Castle, a five-star hotel located in County Clare, near the Shannon River in western Ireland. Our president, Dr. Ravindra Nanda, and his wife Catherine left no stone unturned in preparing a wonderful meeting for all. Drs. Lindauer, Shroff and Rothenberg were also to be thanked for ensuring an unforgettable meeting. Considering there was quite a bit of travel required of our membership to get to Ireland from not only the USA, but Japan, Australia, Turkey, etc., we enjoyed an outstanding turnout of 54 members, affiliates members and guests. The welcome Cocktail Reception as well as our concluding Dinner Banquet was superb affairs held at the Castle. These special social times allowed time for new and old colleagues and friends to enjoy each others company. Many thanks to Dr. Kitafusa who volunteered to be the official photographer of the meeting. For the golfers, the course surrounding the castle was a fine Irish course, and was also home to a great variety of wildlife. A day trip was included in the meeting and took the participants by motorcoach complete with entertaining guide to the Cliffs of Moher and a drive through the Burren.

Our most interesting scientific program included 13 presentations, one of which was a paper presented by an affiliate member on the role of small leucine repeat proteoglycans in controlling craniofacial development. Other topics were as varied as our membership. These topics included the effects of cleft surgery on future dental arch development, mouth breathing diagnosis, treatment of open bite with temporary anchorage devices, "occlusion medicine", and biomechanics. Dr. Ram Nanda gave a fascinating talk on his fifty years in orthodontics. Three of our members, Drs. Junji Sugawara, Scott Conley and Harry Legan, will be receiving awards at the upcoming AAO Meeting in Seattle for best scientific and clinical papers appearing in the 2006 AJODO.

Our membership is looking forward to our next meeting at the Ritz-Carlton in downtown Atlanta, scheduled for March 5-8, 2008.

Northern California

Officers and Directors

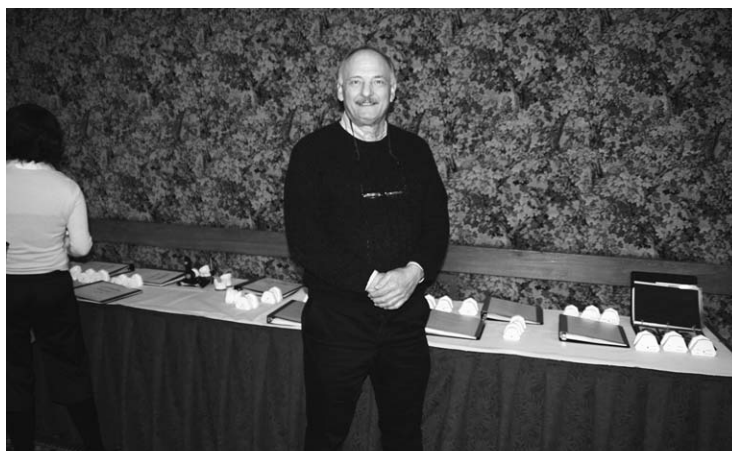
President	James Garol
President-Elect	Steven Dugoni
Secretary	Kenneth Kai
Treasurer	Brian Payne
Past President	Peter Worth
Director to the Central Body	Ronald Champion



Ellen Wear, Carol Baughman, Gary Baughman, Carol Hortin and Bob Hortin at the Hyatt Lake Tahoe enjoying the Friday night reception.



Dr. Howard Hunt and his case display at the November 11, 2006 Lake Tahoe meeting.



Dr. Ed Bruno with his case display at the November 11, 2006 Lake Tahoe meeting.



Immediate past-president Dr. Peter Worth with Dr. Ozaki.



November 11, 2006 Hyatt Lake Tahoe, Incline Village, NV Angle Nor-Cal Board of Directors: Back row left to right; Ron Champion, Greg Wadden, Ken Kai, Peter Worth. Front row left to right; Brian Payne, Bill Lieber and Doug Jaul (not pictured are Steve Dugoni, Rich Gere and Jim Garol).

Directors

Gregory Wadden
Douglas Jaul
James L. Peck (new)
William Lieber
Maryse Aubert (new)

Meetings

November 11, 2006, Hyatt Lake Tahoe, Incline Village, NV

Speaker: Dr. William G. Arnett

Topic: "Orthognathic Surgery-Diagnosis and Treatment Planning"

Following a Friday night reception, members and guests (many of which were oral surgeons) enjoyed an outstanding full day with Dr. Arnett. He presented his well defined diagnostic and treatment planning protocol and demonstrated how correct decision making and successful outcomes can be assured utilizing his seven treatment goals and an organized treatment plan.

January 26, 2007, Arthur A. Dugoni, University of the Pacific School of Dentistry, San Francisco, CA.

Speakers: Dr. Heon-Jae Cho, Dr. Sheldon L. Baumrind and Dr. HeeSoo Oh.

Topics: "Mini-Implants in Orthodontics" and "Facial Attractiveness: The Rigorous Study of Clinician Preferences among Treated Orthodontic Patients".

Dr. Heon-Jae Cho gave yet another great lecture. We all benefited from his timely and well executed presentation on the biology and use of micro implants in orthodontics. Drs. Baumrind and Oh involved the audience in their research project by conducting a survey of attendee's opinions of treated orthodontic patient faces.

April 27, 2007, UCSF, San Francisco, CA

Speaker: Dr. Eugene Roberts

Topic: Dr. Roberts will report on a nine year study (three-year retrospective and six-year prospective) conducted at Indiana University which demonstrated improved treatment outcomes as the result of changes in treatment protocol.

November 16, 2007; Place and program to be announced.

News

The Northern California Angle Society wishes to express its thanks and gratitude to Dr. Gary Baughman for his eleven years of service as Central Body Director and outstanding term as our national president. Gary and meeting general chair, Chuck Wear made the 36th Biennial and 75th Anniversary celebration a wonderful and historical gathering. Gary has been a tireless and committed leader and has set an example for all of us to follow. Not only has Gary set an example with his work ethic, but also with his generosity. He and his wife Carol are currently the second largest contributors to the Angle Heritage Campaign. We will forever be grateful to Gary and Carol for all that they have done for this great organization on both the component and national levels.

Congratulations are in order for Drs. James L. Peck and Takemasa Ozaki for the publication of their research theses in the March, 2007 issue of the Angle Orthodontist. Both are significant contributions to our literature and we are very proud of their efforts and the quality of their papers. Additionally, Dr. Ozaki has recently completed his requirements for full membership. Dr. Ozaki practices in Tokyo, Japan.

Dr. William Lieber, was recently honored for his thirty years of teaching at the UOP, Arthur A. Dugoni School of Dentistry.

We are pleased to announce that Angle NorCal has committed to the purchase and gifting of The World of Edward H. Angle book sets to both northern California orthodontic residency programs. One will go to the University of the Pacific, Arthur A. Dugoni School of Dentistry and one will go to the UCSF Department of Orofacial Sciences. Additionally, Angle NorCal has committed to a contribution of \$10,000 to the Angle Heritage Campaign.

Northwest

Officers

President	Robin S Jackson
President Elect	Michael W Sheets
Secretary/Treasurer	Roy M Gunsolus
Director to the Central Body	Dale V Rhoney
Immediate Past President	John W Moore

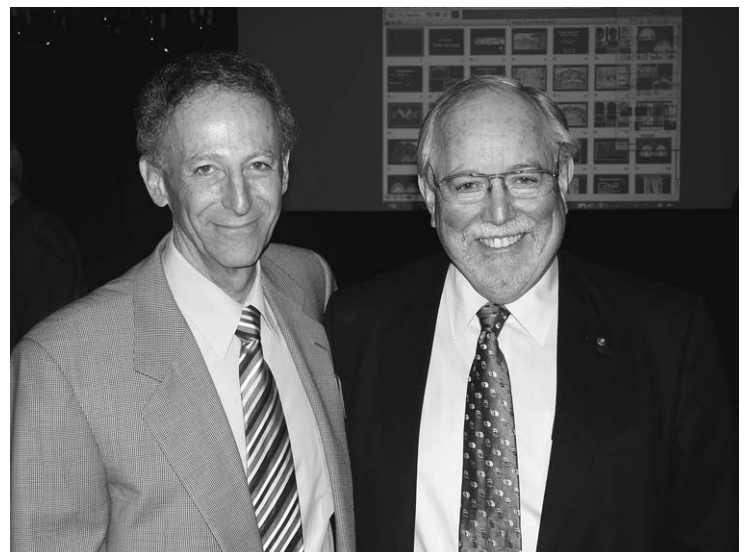
Future Meetings

June 9, 2007: Fairmont Olympic Hotel, Seattle Washington
 February 1-2, 2008: Fairmont Waterfront Hotel; Vancouver, BC
 June 6, 2008: Fairmount Olympic Hotel, Seattle, Washington
 February 6-7, 2009: Fairmont Olympic Hotel, Seattle, Washington

News

The Angle Northwest Component completed its two day winter meeting at the Benson Hotel in Portland Oregon on February 2nd & 3rd 2007. Dr. Roberto Justus was the featured speaker presenting a full day of material on treatment of severe Class II skeletal malocclusions in the mixed dentition. His presentation included an excellent review of both the Class II literature and historic and current information of EARR. Dr. Justus hails from Mexico, but is a frequent visitor to the Norwest where his daughter Dr. Tammy Justus is affiliated with the graduate Orthodontic Department at Oregon Health Sciences University.

Additional member speakers included: Dr Doug Knight, Dr. Grey Huang and Dr. Hugh Lamont. Dr. Knight used his case presentation for membership as a format for presentation of several insights into interdisciplinary treatment. Dr Huang presented an





excellent research paper involving outcomes of third molar removal as partial fulfillment of his requirements for Angle Society Membership. Dr. Hugh Lamont's presentation covered management of occlusion in adult, TMD and interdisciplinary orthodontic treatment.

Dr. Daniel Cheng, Dr. Doug Knight and Dr. Greg Huang were welcomed into the Northwest Component of the Angle Society and certificates and pins were awarded in recognition of completion of their membership requirements.

An evening at the Portland Grill included dinner, music and an opportunity for the membership to include spouses and friends in the social portion of the meeting planned by Dr. Roger Wooley.

Michael Wainwright, updated the membership on the progress of the Edward H Angle, Heritage Campaign provided the membership the outline and strategy for meeting the campaign goals of one hundred percent participation.

The next regularly scheduled meeting of the Northwest Component will be June 9th at the Fairmont Olympic Hotel in Seattle Washington.

Southern California

Officers:

President	Dave Rynearson
Immediate Past President	Pat Turley
Vice President	Milton Chan
Secretary	Robert Hambleton
Treasurer	Matt McLean
Southern California Director	Rick McLaughlin
Program Chairman	Will Andrews
Arrangements Chairman	Gary Kawata



Executive Secretary
By Laws
Historian
Editor

Nile Sorenson
Hap Dougherty
Lee Logan
Richard Mays

Meetings:

Tentative: one day meeting at the Valley Hunt Club, Pasadena, November 2, 2007

3-Day meeting: March 14, 15, 16, 2008 (location and speakers to be announced)

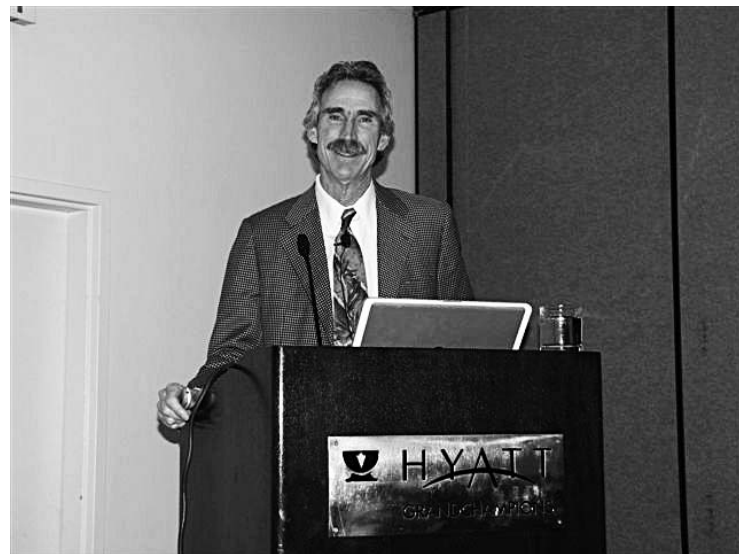
News:

Fall Meeting

Our Fall meeting was held at the Valley Hunt Club in Pasadena where we honored our Senior members at lunch. In the morning, eight regular members gave short, 15-30 minute presentations. Harry Dougherty, Jr discussed clinical determinants of growth; Gary Kawata showed a very interesting case report; Don Tuverson presented his classic paper, missing lateral incisors; Diane Milberg talked about communications for compliance; James Mah presented his research on 3D imaging; Jim Zahrowski gave us the bisphosphonate update; and rounding out the morning Milt Chan talked about credit cards, delta dental and peer review. Cases for Affiliate Membership were shown by Mehdi Fotovat and were graded and approved. He was sent his certificate for Affiliate Membership and is to be congratulated.

3-Day Meeting

Our 3 Day meeting was held March 16-18, 2007, at the Hyatt Grand Champions Resort and Spa, Indian Wells, CA. The first



morning was spent reviewing cases (x-rays, photos and plaster) of the Regular and Affiliate membership. The graders were the case winners from our 3-day meeting in 2006. This year's winners by category: Best Finish——Nile Sorenson; Most Difficult——Matt McLean; Most Interesting——Osamu Takahashi; Best Case Overall——Robert Hambleton. These clinicians will do oral presentations of their winning cases at next year's 3-day meeting.

After our hosted luncheon, eight presentations were made in the afternoon. An oral case presentation was made by Affiliate Candidate, Sumiko Toneki. Three of the 2006 case winners also made oral presentations of their winning cases: Hiroki Hayashi, Kazuya Watanabe, and Roy Parle. Julian Singer presented: "Compliance with California Law", Masatada Koga presented

"Individualized Bracketing Diagram and Bracket Position Marker", Alice Shen presented "Prevention of Maxillary Cuspid Impaction" and Jenny Chung presented "Redirecting Growth with RPE and Chin Cup: Changing Breathing Pattern from Oral to Nasal". After this day of membership participation, we had a hosted hors d'oeuvres and cocktail party.

The second morning we were privileged to have Lysle Johnson, Eastern Component Angle Member, speak on this thought provoking topic: "Contemporary Orthodontics Predicated on Controversy, Distracted by Data". As always, Lysle's presentation was well received by the membership and stimulated many questions and discussion. The afternoon was free for the membership to enjoy the desert with their families, play golf, or relax by the pool.

Our own Pat Turley was the speaker on the 3rd day, with updates on his classic paper: "Early Facemask Therapy for the Class III Malocclusion." Prior to presenting this paper, Pat reviewed with us the documents he received from the estate of Albin Oppenheim, whose widow passed away about 10 years ago. Pat shared photos and fascinating letters from Dr. Angle's correspondence with Dr. Oppenheim and Dr. Joseph Grunberg in the 1920's. One of the photos was of Drs. Angle, Grunberg and Frederick Noyes with Dr. Angle's caption: "The Real Fathers of Orthodontics", dated February 21, 1926. Dr. Noyes in the obituary he wrote following Dr. Grunberg's passing in May, 1932, which could be said about all three: "he vehemently abhorred 3 things: indifference, dishonesty and laziness".

MEMBER PORTRAIT:

HARRY DOUGHERTY, SR

Harry was born in San Jose, Costa Rica. He had a brother and 2 sisters. His father was a contractor working on railroad tunnels and bridges. When Harry was 5 he moved back to the United States and attended schools in Gardena, California and then Hollywood High School graduating in 1943.

WW II was on and his brother had enlisted in the Navy. Following in his footsteps, Harry joined the Navy but was transferred to the Marine Corps. He spent 2 years in the South Pacific and was involved in lots of action. For example: on April 1, 1945, Harry was in the 2nd wave in the landing on Okinawa, wading ashore with full gear from a Higgins boat. After the war Harry came back to Treasure Island in the Bay area and then on to the Long Beach Naval Hospital where he was discharged.

Harry then enrolled into Los Angeles City College 1946-1949. While there he met Mary Nibecker, who he would meet again, when they both went to UC Berkeley.

Harry entered UC Berkeley in 1950 and by 1953 he had earned a Bachelor of Science, a BA and an MA in Anatomy and was appointed Teaching fellow at UC Berkeley, 1951 through 1953. Harry subsequently was appointed Teaching fellow in Anatomy at the UCSF medical school in 1953 and also enrolled as a freshman medical student. It was during that time that Harry and Mary rekindled their relationship and were married. Mary has degrees in Chemistry and Mathematics. Harry was then invited to teach in the dental school and because of his interest in facial and cranial anomalies, he transferred to the UCSF dental school. At the end of the 1st year was invited into the Curriculum II program. (Curriculum II program took the top 10% dental students at the end of the freshman year and gave them 3 years of orthodontic training in addition to their regular dental school studies. When they graduated from dental school with their DDS, they also received a certificate in orthodontics. Many of the departmental chairs and leaders in orthodontics of this era were graduates of the Curriculum II program at UCSF.)

Harry graduated from the UCSF dental school with a certificate in Orthodontics in 1957. After graduation he practiced in North Hollywood and associated with Mahlon Adams in Van Nuys. He took a course at USC being taught by Cecil Steiner, Howard Lang and Bob Payne. At that time, Spencer Atkinson was chairman of the orthodontic department at USC teaching the Universal technique. One of his orthodontic students was Keith Tanaka. A year or so later the orthodontic department at USC closed, and Keith remained on to finish the universal appliance patients. Dean of the dental school, Robert McNulty, asked Harry if he would chair a new orthodontic department beginning Fall of 1960. Harry accepted and was appointed professor and chair of the department until 1993. He and Keith Tanaka became fast friends and together have educated over 200 orthodontists. Harry and Keith still come back to the department to teach typodont courses and are available for other meetings and seminars.

In addition to his chairmanship of the orthodontic department at USC, Harry maintained a private practice in Van Nuys and became involved with organized orthodontics. He served as director, program chairman, and President of the PCSO, southern section, in the 70's. He also was the local editor of the AJODO and the PCSO Bulletin. Harry served on the Council of Education for the AAO; was the chairman of the Council of Research for the AAO and has been a member of the Accreditation Committee for the ADA.

Harry became a member of the Tweed Society in 1960 and a member of our Southern California Angle Society in 1962, where he is a past president. Harry attained his ABO certification in 1967. In 1982, he became a Director of the ABO and then served as President of the ABO in 1988-1989.

Harry has published widely throughout his career. In addition, he has given many continuing education courses while at USC and also at foreign venues. These include Brazil 1970 and 1971; ongoing didactic and laboratory courses in France, since 1973; Spain from 1983; Japan from 1980; Costa Rica 1987; Mexico 1988. More recently, Harry has lectured in Thailand, and then presented a lecture series in Canton, Shanghai and Beijing, China.

Because of Harry's significant contributions to orthodontics throughout his career, he has been honored with many awards. One of the 1st awards of its kind for international teaching and contributions to research, teaching and advancing the art and science of orthodontics was given to Harry by the President of the University of Bordeaux, France, in 1997. The Award of Merit was also presented to Harry in 1989 for contributions to education and service to the PCSO. In 1991, at the AAO meeting in Seattle, Harry was presented the Jarabak Award for national and international teaching and contributions to the advancement of orthodontics.

The highest and most prestigious award in all of orthodontics is the Ketchum Award, presented by the American Board of Orthodontics for contributions to the art and science of orthodon-



Dr. Harry Dougherty.

tics. Harry was the recipient of this award at the annual AAO meeting in Orlando, FL, in 1994.

Harry and wife Mary, will be married 55 years in February. They have raised 3 boys and 2 girls. Oldest son, Bill is a general surgeon/ plastic surgeon and is now at the wound healing and burn ward at Vanderbilt. Harry, Jr, or Hap as we know him in the Angle Society, a very well respected orthodontist in his own right, teaches and lectures at UCLA, USC and also has presented at the PCSO. Daughter Elizabeth is an architect; third son James is a CPA and daughter Katherine, is an RN now living in India. Harry and Mary have 11 grandchildren.

Besides orthodontics, Harry has other interests and talents. He studied classical piano as an early teen. If any of you have received a handwritten note from Harry, you know that it will be done in beautiful calligraphy. He was founder of the Society for Calligraphy, Southern California. Harry also has a strong interest in languages and linguistics. As an example, he is fluent in Spanish and French; understands and reads German and Italian and is presently studying Japanese.

Of all the awards and commendations that Harry has received from his peers, probably none can compare to the accolades he receives from his former students. He is held in such high regard. As a tribute to Harry, Keith Tanaka and the Department at USC, a very high percentage of their graduates have attained ABO certification, many have come back to teach in the department and all remain leaders in their field.

The Angle Society, organized Orthodontics and Orthodontic education and research, have been very fortunate to have Harry's wisdom, mentoring and guidance these past 50 years!

Announcing a new publication from The Angle Society

The World of Edward Hartley Angle, MD, DDS: His Letters, Accounts and Patents

compiled and edited by Sheldon Peck

Published by The E. H. Angle Education and Research Foundation
2007, ISBN: 978-0-9779524-0-3

About this monumental sourcebook on the beginnings of modern orthodontics...

This is a 4-volume limited-edition hardcover book set of over 3400 pages. Dr. Angle's correspondence and business accounts from 1899 to 1910, among his most creative years, are included. In addition, all of his patents—45 USA patents and 1 Canadian patent—from 1889 to 1934 (posthumous) are reproduced. These historic materials were preserved by Dr. Anna Hopkins Angle and are now part of the archives of The Angle Society. Typed and handwritten documents have been retyped for legibility and arranged chronologically. In addition, the volumes feature chapters on Angle's life, students, and complete bibliographies of works by and about Angle, as well as 2 comprehensive indexes, by letter recipient and by subject matter.

The book set is published on a non-profit basis by The Angle Society for reference libraries, educational/research institutions and individuals. The 4-volume set is priced at US \$2000, plus shipping, payable by US check, MasterCard or VISA.

Purchase copies of this valuable one-of-a-kind educational resource for the libraries of your orthodontic department and dental school. What wonderful tax-deductible gifts that would make!

To order the book or get more information, please contact:

EHASO Central Office

Attn: Kay Rose

P.O. Box 7065

Lawrence, KS 66044-7065 USA

E-mail: angle@allenpress.com

Tel: 800-627-0629, ext.289, 785-843-1235, ext.289



"The definitive work...an incomparable resource...the new standard for dental historical research."

Dr. David A. Chernin, President, American Academy of the History of Dentistry

E.H. Angle to Celebrate 37th Biennial Meeting in Quebec City, Quebec

The planning committee has worked hard to create a social program that should provide a multi-faceted exposure to French Canada: historical, cultural, recreational, and relaxation. We will open the meeting with a visit from two historians, Barry Lane and David Mendel, who will pose as Generals Wolfe and Montcalm. They will join us at our welcoming reception. Within sight of the Plains of Abraham, our two generals will not only explain the siege and battle that took the generals' lives, but also will mingle, providing colorful anecdotes about their lives, and careers, and the culture of the region.

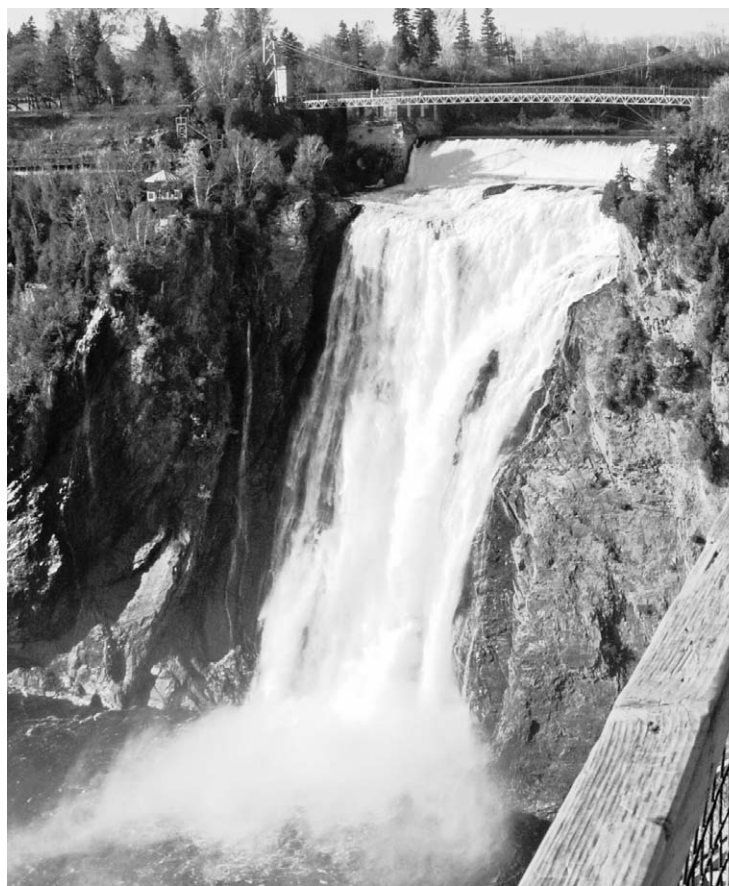
There are incredible museums in Quebec City, and picturesque Old Quebec is a simple funicular ride down to the waterfront. Whether you are looking for antiques or art, clothing or collectibles, the shopping is great. The charm of this quaint capital city is something you won't find anywhere else on this side of the Atlantic.

Included in your registration package is an evening dinner cruise on the magnificent St. Lawrence River. We will be enjoy-

ing a 4-course meal as we head toward the river mouth and the Montmorency Falls. The Montmorency is 50% taller than Niagara, and the trip provides a breathtaking river view of Québec City perched atop Cap Diamant, and on the opposing shore, the enchanting Île d'Orléans. We will be carried to and from the cruise by motor coach.

We have arranged to have the Chateau Frontenac's famous chef, Jean Soulard, provide a cooking class. A real favorite event for guests of the hotel, the Angle group will have his exclusive attention in the preparation of a surprise meal.

The golfers in the society will love the opportunity that we have arranged for them to play the incredible Royal Quebec Golf Club. Founded in 1874, the Royal Quebec is the second oldest golf club in North America. Located only 20-25 minutes from Quebec City Centre, and a stones throw from the Montmorency Falls, the 36 hole Royal Quebec is the most prestigious club in the Capital City region. The original "Royal" course, a 6600 yard Willie Park





Jr. design, ideally compliments the newer 6450 yard "Quebec" course, which is shorter but tighter.



Perhaps the highlight of the Quebec meeting will be the all day tour to Baie Saint-Paul and St-Joseph de la Rive (Charlevoix region). There is also a bus tour of Quebec City for those who are interested.

The Biennial Banquet will be an optional black-tie affair and will be hosted in the historic Grand Ballroom. The entertainment will be a surprise; and we guarantee that all in attendance will have a fabulous time.

For more details, we encourage you to visit the Biennial link at Angle East's webpage; better yet, register at: <http://angleeast.org/meeting07/register/>.

Angle Members Travel to Egypt

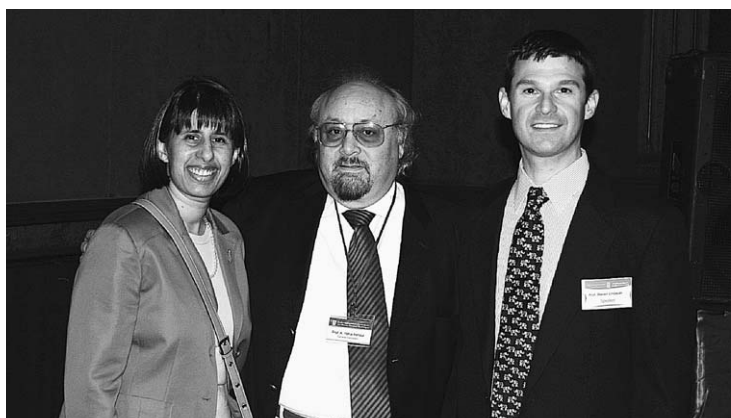
Four Angle Members participated to the 15th Alexandria International Dental Congress in Alexandria, Egypt, November 14-17, 2007. Dr. Samir Bishara (University of Iowa) and Dr. Yehia Ashour (Alexandria University) were instrumental in gathering a team of US clinicians and researchers to participate to this dental conference. The theme of the conference was "Dentistry and Technology" and it brought together experts from all specialties. Drs. Hans, Lindauer and Shroff were able to attend and present at this very dynamic and interesting meeting. Dr. Bishara started the conference by a very popular one day course entitled "Restorative Solutions for Orthodontic Problems: Reach Excellence in the Outcome of Finished Orthodontic Cases". The course was also thought by Dr. Denehy who is currently the chairman of the department of Operative Dentistry at University of Iowa. Dr. Bishara also gave a lecture entitled "The Management of Failure of Eruption of Teeth: Orthodontic and Surgical Considerations" which was very well attended. Dr. Hans presented his work on diagnosis and treatment planning on class



Dr. Mark Hans, Dr. Samir Bishara, Dr. Bhavna Shroff and Dr. Steven J. Lindauer at the 15th AIDC.



Drs. Lindauer and Shroff congratulating Dr. Samir Bishara after his presentation.



Drs. Shroff, Ashour and Lindauer at the AIDC banquet.

III patients and Dr. Lindauer discussed the use of miniscrews and temporary anchorage devices (TADs) for Orthodontic Anchorage. Dr. Shroff presented her work on osteoclasts function in the c-fos knock out mouse model as a poster. All presentations were very



Dr. Samir Bishara at the 15th AIDC

well received and the meeting was very successful. It was also a wonderful opportunity for Angle members from different components to meet and enjoy this wonderful conference.