

Angle North Atlantic <http://www.anglenorthatlantic.org/>

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Future Meetings

- 2010 Wednesday, March 24th to Saturday, March 27th Intercontinental Harbor Court Hotel, <http://www.harborcourt.com/> 550 Light St., Baltimore, MD 21202-6099. This hotel is across the street from the Maryland Science Center (<http://www.mdsci.org/>) and looks across the vivacious Inner Harbor (<http://baltimore.org/about-baltimore/inner-harbor>) at the National Aquarium in Baltimore (<http://www.aqua.org/>) and several historic ships (<http://www.historicships.org/>). Other nearby attractions include the Reginald F. Lewis Museum of Maryland African American History & Culture (<http://www.africanamericanculture.org/>), the Geppi's Entertainment Museum of popular culture (<http://www.geppismuseum.com/>), Fort McHenry (<http://www.nps.gov/fomc/index.htm>), the quirky and not always kid friendly American Visionary Art Museum (<http://www.avam.org/>), and the definitely kid centric Port Discovery Children's Museum (<http://www.portdiscovery.org/>). Sports fans will want to visit the Babe Ruth Birthplace Museum and Sports Legends Museum at Camden Yards (<http://www.baberuthmuseum.com/>). Some may wish to visit the Lloyd Street Synagogue, the third oldest synagogue still standing in the United States, which houses the Jewish Museum of Maryland (http://www.jhsm.org/html/hb_iss.html). STOMP—the percussion group that uses everything but convention instruments—will be playing a short cab ride away (see <http://www.broadwayacrossamerica.com/baa.site/City.aspx?CityId=1323&EngId=4594>).

Our Program Chair, Dr. Dianne Rekow, will be calling for papers from the membership. Two and a half days of scientific presentations are planned. Affiliate members will be presenting scientific papers and clinical cases as fulfillment of requirements for membership. Our active membership will be also presenting both clinical and research papers.

Bring your coats; average highs are in the upper 50s and lows run in the mid-30s. More information for component members will follow.

- 2011 Sunday, September 18th to Wednesday, September 22nd Biennial Meeting (North Atlantic component is hosting) Charleston Place Hotel, <http://www.charlestonplace.com> 205 Meeting Street, Charleston, SC 29401. Promotional materials for the next Biennial were passed out and each presentation ended with a slide reminding attendees of the Charleston

Biennial meeting. This year's Biennial meeting ended with a wonderfully produced video and audio presentation highlighting the attribute of Charleston.

Biennial Presentations

The North Atlantic Component of the Angle Society was very well represented at the Biennial Meeting at San Antonio. Twelve of the 110+ participants were members of our component.

- Dr. Proffit gave a presentation on New Methods / New Technology in Orthodontic Diagnosis and Treatment Planning. He argued that pattern analysis, using CBCT without landmarking schemes, will become the prevailing method of craniofacial change determination. He pointed to the current interest in the tooth-lip relationship and encouraged orthodontists to incorporate 4D analysis by including video capture of the different smiles presented by patients.
- Because Dr. Mark Hans was ill and could not attend the Biennial, Dr. Legan presented Dr. Hans' paper and his review of the original paper, entitled Dentofacial Orthopedics as Adjunctive Therapy for Children with Sleep Apnea Disorder. Dr. Hans looked at the hyoid position in patients with obstructive sleep apnea (OSA) pre- and post-RPE. It was pointed out the OSA in children is likely under-diagnosed and has been implicated as a comorbidity factor in cardiovascular problems, bed wetters, nocturnal sweating, ADHD, and morning headaches.
- Dr. Cynthia Beeman presented a retrospective, descriptive study entitled Prevalence of Hypodontia in North America: Regional and International Comparisons. The last North American hypodontia study completed before this was reported in 1979. In particular, she looked at the two known risk factors for dental abnormalities—maternal smoking and low birth weights. Dr. Beeman has also published an interesting statistical correlation between hypodontia and epithelial ovarian cancer (<http://jada.ada.org/cgi/reprint/139/2/163>).
- Dr. Tim Wheeler presented a paper on the effects of relaxin on tooth movement and retention. Relaxin is a peptide hormone that stimulates the breakdown of collagen. It is believed to allow expansion of the pelvic girdle during parturition. Corthera (formerly BAS Medical, <http://www.basmedical.com/>) is the biopharmaceutical company that has worldwide rights to develop and commercialize relaxin thought relaxin might enhance orthodontic movement and help prevent relapse during retention. Administration was via injections mesial and distal to the experimental teeth. Every patient had measurable systemic levels in the blood following the injections. The superimposition feature of Anatomage's InVivoDental program (<http://www.anatamage.com/product-Invivodental.html>) was used to evaluate tooth movement. Fractal analysis was used to judge bone quality.
- Dr. Bhavna Shroff reviewed Dr. Greg Huang's paper on the State of Evidence in Orthodontics (similar to <http://www.pcsortho.org/bulletin/upload/p-31->

[32 Evidence-Based-Orthodontics.pdf](#)). Dr. Huang encouraged us to become ADA trained evidence-based champions. Dr. Shroff echoes these sentiments, saying it should fall upon the Angle Society to be introspective about our methods and past research.

- Other notable presentations included invited guest speakers Dr. Hugo De Clerck and Dr. Lysle Johnston. Dr. De Clerck presented several cases of Class III correction using maxillary and mandibular Bollard miniplates (<http://www.hugodeclerck.net/Product.html>) and maxillomandibular traction. The results of this alternative to face mask are very impressive and outlined in a recent article—De Clerck HJ, Cornelis MA, Cevidanes LH, Heymann GC, Tulloch CJ. Orthopedic traction of the maxilla with miniplates: a new perspective for treatment of midface deficiency. *J Oral Maxillofac Surg.* 2009 Oct;67(10):2123. Voxel-based superimpositions of the anterior cranial base, using CBCT images, were done using a technique adopted by Dr. Lucia Cevidanes at the University of North Carolina (see Cevidanes LHS, Bailey LJ, Tucker Jr. GR, Styner MA, Mol A, Phillips CL, Proffit WR, and Turvey T. Superimposition of 3D cone-beam CT models of orthognathic surgery patients. *Dentomaxillofacial Radiology* (2005) 34, 369–375). They found that 58% of the change is the maxilla moving forward and 42% of the change involves mandibular effects. They showed significant remodeling of the glenoid fossa: the posterior border moves back and the anterior shows apposition.
- Dr. Lysle Johnston gave an impassioned presentation about motivating factors of those that enter academics. He called for us to recognize and revere individuals with a calling for academia. He stressed that the role of educators is not simply to produce more orthodontists, but to generate new knowledge. When research is valued by the profession, then inspired resident will choose to enter the academic ranks.

Biennial Business

- Dr. Bob Isaacson was honored twice for his outstanding service to the EHASO during the first day of the Biennial. The first time was during the first business meeting. The second time came at the Knibbe Ranch, where he was presented with an American flag that had flown over the Alamo that day.
- Dr. Bob Isaacson, as Editor of *The Angle Orthodontist*, outlined how the number of hits on the web site has increased exponentially since the magazine went to a free access model. The number of submitted papers has risen so fast that the acceptance rate has dropped, even as the total number of published pages has increased in the past few years. He also mentioned that there is a \$150,000 matching funds grant in effect. Donations can be made online at <https://timssnet2.allenpress.com/ECOMANGF/timssnet/donations/donations.cfm>.
- Dr. Tim Wheeler was promoted to president of the EHASO Board of Directors for 2009-2011. The outgoing president, Dr. Jim Boley, and his wife were presented with commemorative gifts for their service.

- Dr. Bhavna Shroff succeeds Dr. Sheldon Peck as Secretary of the EHASO Board of Directors. She is only the seventh person to hold that title.

Other News

- The weekend following the Biennial meeting found Mike Spoon, Tim Wheeler, and Cal Dolce at the Joint Cephalometric Experts Group meeting (JCEG II) at Case Western Reserve University (<http://jceg.eventbrite.com/>), in Cleveland. This was a very intense, three-day, working group meeting that attempted to reach consensus on topics dealing with the transition from 2D cephalometrics to (primarily) CBCT images. Topics discussed included: image quality, machine and software standards; landmarking, nomenclature and terminology; methods of registration, fiducials, and superimposition; the establishment of a mixed longitudinal image base for research purposes.
- As a reminder, your officers are available to you to help with identifying and integrating new members, mentoring affiliate members' presentations, or any questions you have. For more information about the Angle North Atlantic, visit <http://www.anglenorthatlantic.org/>.

Obituary

It is with sadness that we report the passing of Robert Rosenblum, DMD, MS in late October, 2009.

Bob (as everyone called him) was born in Manchester, New Hampshire to Dr. David and Natalie Rosenblum. He received his undergraduate degree from Tufts University in 1948. But his studies were interrupted to serve in the US Navy from 1945 to 1946. While commissioned in the South Pacific, he served as an electronics and communications specialist—where he received the Asiatic Pacific Area Medal, the World War II Victory Metal, and an American Area Medal.

He then attended Tufts Dental School, graduating in the class of 1952. Following that, he practiced general dentistry with his father until 1957. In 1953 he married his perfect match and soul mate—the late Harriet Susskind. (Harriet was a nationally recognized editor and organized a book club for the “Mother Angle” group.) They were wed for 49 years until her passing in 2002.

In 1957, they moved to Rochester, N.Y. so Bob could study orthodontics under Dr. Dan Subtelny. He graduated in 1959, with the third graduating class of Eastman Dental Center's orthodontic program. In 1961 he received his Masters from the University of Rochester. Bob treated patients in the Rochester area for 42 years, before retiring in 2001. Over the years, he was active in several dental and orthodontic organizations including: EHASO; the ABO; the AAO; the ADA; the NY State Dental Association and it's local 7th District Dental Association, and; the Alpha Omega Dental Fraternity.

From 1959 to 2006, Bob taught in the orthodontic program. He was a pioneer in the use of computers (we're talking pre-Apple II even) to analyze facial relations. And he continued to teach a course on the application of computers in the field of orthodontics until 2006. He took over the task of organizing the Craniofacial Growth and Development seminar series after Dr. Ed Gilda's death in 2000. In that same year, he received the Eastman Dental Center Part-Time Faculty Award for Excellence in Teaching.

His publications span the time period from 1963 to 2001. And in 1997, he received the Edward H. Angle Research Prize for his article entitled "Class II Malocclusion: Mandibular retrusion or maxillary protrusion?" published in the Angle Orthodontist 65(1):9-62, 1995.

Bob and Harriet were both patrons and benefactors of the George Eastman House International Museum of Photography and Film, the Eastman Theater, the Memorial Art Gallery of the University of Rochester, and the Rochester Museum & Science Center. Bob was an avid photographer throughout his life. He also enjoyed sailing, rowing, running, swimming, biking, and scuba diving. Bob took up downhill skiing when he was 12 years old. On his last skiing trip, Bob, at age 79, took his grandson skiing in the Austrian Alps.

Bob is survived by four grandchildren and his three children. He is fondly remembered by many more people as an unselfish and unassuming friend. He was one of my co-sponsors for the EHASO, so I think it's fitting to close with the thank you I wrote him then:

Your genuine modesty prescribes an abridged note of thanks for sponsoring my Angle Society membership. I admire the balance your bicameral investigation of emerging technologies and the arts brings to your orthodontic endeavors—the papers you write, the classes you teach, the questions you ask. I am inspired by your example and I aspire to conduct myself with the same *savoir-vivre*.

For these (and other) reasons, I am particularly grateful for your endorsement.

Thank you.

Sincerely, Michael E. Spoon, DDS