

From the Desk of

Dr. G. Thomas Kluemper, Division Chief

Greetings from your alma mater! The business of graduate orthodontic education continues to challenge and reward all of us who, for reasons known only by few, have chosen to make it our vocation. First of all, I would like to announce that Dr. James K. Hartsfield will be joining our faculty on July 1. Dr. Hartsfield comes to us from Indiana University where he is Professor and Interim Chair of the Department of Orthodontics and Oral-Facial Genetics. Jim has served on the faculty at IU since 1993, while his distinguished career in academic medicine and dentistry spans over 20 years. He is a Diplomate of both the ABO and the American Board of Medical Genetics. At UK he will be dedicating half his time to research, while the remaining part of his schedule will be in clinical and academic orthodontics. We celebrate his decision to come to Kentucky and see a great potential for future research and collaborative projects in the implications of genetics on malocclusion, clinical orthodontics and total oral health. Dr. Harts-

(Continued on page 4)

The 17th Annual Orthodontic Graduate Symposium

The Future of Genetics In Orthodontics

Presented by
Dr. James Hartsfield

Friday, May 30th
W.T. Young Library

Drs. Cheryl Aldridge & Joe Petrey to Present
Independent Research
Banquet to follow at the Lexington Country Club

Deadline to register is May 14th
Contact Kandace Bright at 859-323-5371 or
knmoor3@email.uky.edu



MYSTERY ALUM

Can you name this 1970 Alumnus?

(Answer on Page 4)

Research Update

Dr. Cindy Beeman, Program Director

These are exciting times for orthodontic research in the Graduate Program! Watch for Leigh Chalothorn's (Class of 2007) paper entitled, "Hypodontia and Ovarian Cancer: Is There a Link?" which has been accepted for publication in the Journal of the American Dental Association as well as Judah Garfinkel's (Class of 2005) graduate program research piece, "Evaluation of Mini-Implant Stability for Orthodontic Anchorage in Adolescents" in the American Journal of Orthodontics and Dentofacial Orthopedics.

Current residents Joe Petrey and Cheryl Aldridge are finishing up their research studies. In April, Joe will be presenting the results of his project, "Orthodontic Mini-Implant Design and its Effect on Primary Stability and Retention" at the American Association for Dental Research meeting in Dallas. Cheryl plans to travel to the International Association for Dental Research meeting in Toronto to present her paper on "Palatally Displaced Maxillary Canines and Hypodontia: Prevalence in Kentucky". For those of you who can't make it to Texas or Canada this spring, good news: Cheryl and Joe will give encore presentations at this year's Graduation Symposium, May 30th.

(Continued on page 3)

Great Teacher — Dr. E. Preston Hicks

A very warm and hearty congratulation is due our own Dr. E. Preston Hicks as on January 23rd he was awarded the prestigious Great Teacher Award by the University's Alumni Association.

According to the Alumni Association website, the Great Teacher Award, started in 1961, is the oldest continuous award to recognize teaching at UK. The nominations are made by students and selection of the award recipients is made by the UK Alumni Association Great Teacher Awards Committee, in cooperation with student organizations Omicron Delta Kappa and Mortar Board. Great Teacher Award recipients each receive a citation, engraved plaque and a \$2,000 cash award. We, in the Orthodontic Graduate Program, are all especially proud to have Dr. Hicks with us as such an integral part of our team and we celebrate him on this extraordinary achievement.



Pictured left to right: Drs. Albert Pascual, Joe Petrey, Jennifer Sullivan, Miso Moremi, E. Preston Hicks, Cheryl Aldridge, Sally Holliday, and Megan McHugh

Welcome Class of 2011

John Turner comes to us from Boston University where he will be receiving his DMD in May. Originally from Concord, North Carolina, John is a 1999 UNC-Chapel Hill graduate with a BS in Business Administration. Before pursuing orthodontics John spent four years with The Bissell Companies in Charlotte working in the commercial real estate field. In the summer of 2006 John married Kate, whom he met while in Charlotte. John enjoys playing golf and reading, but most of his spare time is spent playing guitar and writing music. After his time in the UK Ortho Program, John plans to open his own practice in North Carolina and perhaps teach on a part-time basis.



Dave Kujak will graduate from the University of Kentucky Dentistry Program in May before joining the Orthodontic Graduate Program this fall. Dave hails from La Crosse, Wisconsin where he graduated from UW-La Crosse with a BS in Biology in 2004. An avid golfer, Dave looks forward to one day visiting not only the four major yearly professional golf tournament sites, but also traveling to the sport's birthplace. A dyed-in-the-wool Green Bay Packers fan, Dave hopes to one day procure season tickets at Lambeau Field and raise a family of Cheeseheads with his wife, Erin, whom he married in August 2002. As the youngest of eight children, Dave will find our resident's facilities quite homey as he will again be one of the younger members in a family of eight.

Michael Pratt is currently enrolled as a General Practice Resident at UK where he completed dental education last year. Originally from Stamping Ground, Kentucky, Michael did his undergraduate work just up the road at Georgetown College. Married now for three years to his wife, Sarah, Michael is also very active at Calvary Baptist Church. In his free time Michael enjoys playing golf, skiing, and cheering on the UK sports teams. Upon completing his Orthodontic education, Michael looks forward to practicing in the Central Kentucky area.





Dr. Jennifer Sullivan

I was born in Frankfurt, Germany (Army brat), but raised in Indianapolis, Indiana. I got my Bachelor's Degree from Indiana University-Bloomington (1999). I went on to get my DMD from Univ. of Pennsylvania in Philadelphia (2003). During dental school, I did an externship at the Katholik University of Leuven in Belgium. After graduation from dental school, I then completed an Advanced Education in General Dentistry Residency and received my certificate in 2004, with a focus on esthetic dentistry. During my residency, I also did a voluntary rotation in veterinary dentistry at the Univ. of Pennsylvania School of Veterinary Medicine.

My hubby, Juan Fernando Yepes, and I moved to Lexington in 2004 to work at UK where I served on the Faculty as an Assistant Professor in the Division of Restorative Dentistry teaching and practicing family/esthetic dentistry in the Faculty Practice. Juan and I have a 23 month old daughter

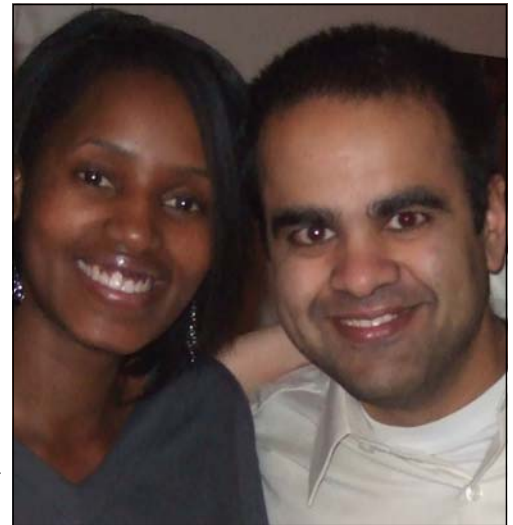
(our greatest accomplishment), who is a continuous source of joy and amazement. In addition, we have a small zoo at home: 1 dog, 2 cats, and 8 birds. Before I began my ortho residency and had free time, I enjoyed reading, traveling, shopping, and spending time outdoors camping, fishing, and hiking.

In the future I hope to practice orthodontics, and just continue to enjoy life and the blessing of parenthood by expanding our family.

Dr. Thhomamiso Moremi

I was born and raised in Botswana, in Southern Africa. I came to the U.S. in 1996 to pursue my undergraduate studies at the University of Pittsburgh in Pennsylvania where I also completed my DMD. After graduation, I completed a one year General Practice Residency at Woodhull Medical Center in Brooklyn, New York. I practiced General Dentistry until 2007, both here and in Botswana where my whole family still lives. I moved to Lexington in July 2007 and I am getting to know the city and its friendly people.

My husband Paul and I were married in 2005. We haven't been blessed with children yet, but would love for that to happen as soon as I have completed my Orthodontic education.



**Hello
From Our
First Year
Residents**

Research (Continued from page 1)

Our second year residents are on schedule with their diverse research projects: Albert Pascual is working on "Essential Work on Fracture of Thermoplastic Orthodontic Retainer Materials After Exposure to Common Retainer Cleaning Agents". Sally Holliday is studying "Facial Beauty, Harmony, and Proportion: Comparing Perceptions of Orthodontists, Oral Surgeons, General Dentists and Lay People to Changes in Vertical and Transverse Dimensions of the Face." Watch the mail for her invitation to participate in this research! Megan McHugh is continuing her pre-doctoral program research on the "Accuracy of Kim's Overbite Depth Indicator in Detection and Treatment of Vertical Discrepancies: A Retrospective Study".

For more information about any of these projects, don't hesitate to contact me at cheeman@email.uky.edu.

**A Very Special Thank You
to the following alumni and friends of the
Orthodontic Graduate Program for their generous
support since our last newsletter**

\$5000+

Dr. & Mrs. Sonny Long

\$1000-\$4999

Dr. Chuck Pritchett
The Kentucky Association of Orthodontists

\$1-\$999

Dr. Clint Butler
Dr. Leigh Chalothorn
Dr. Jim Zettler
Dr. Sid Brantley
Dr. Billy Millay
Dr. J. Burton Douglass
Dr. Richard Kimmel

Dr. Beeman Awarded Prestigious ELAM Fellowship Dr. Jennifer Sullivan, Second Year

As most of you know, our own Dr. Cynthia Beeman was nominated and selected to join the Executive Leadership in Academic Medicine Program for Women. ELAM is the “nation’s only in-depth program focused on preparing senior women faculty at schools of medicine, dentistry, and public health to move into positions of institutional leadership where they can affect positive change.” The ELAM program involves a rigorous application process and the meeting of extensive criteria in order to qualify. ELAM’s goal is to develop the professional and personal skills needed to lead and manage in today’s ever-changing healthcare environment with a focus on the unique challenges facing women in today’s leadership positions.

Dr. Beeman describes ELAM as a “unique leadership opportunity for women” and feels that ELAM addresses certain issues such as the fact that “many women are not mentored to be leaders and often move into leadership positions without exposure and training. As a result they may not be effective leaders. Men and women not only have different perspectives on leadership, but make different types of leaders altogether and ELAM addresses these differences.” While membership is exclusive to women, men can serve as advisors on the board or as ELAM instructors.

When asked, “How do you feel about the presence of women in administration at UKCD and in what ways could we improve?,” Dr. Beeman replied, “We are fortunate to have Dr. Turner (an ELAM alum) as our dean who is very in tune to our issues and is an excellent mentor to our women faculty. She is a great supporter of our women faculty. Currently, we have a lot of female graduates, yet very few are choosing academic careers. This in itself is an issue for everyone, not just women. I think the sub issue is how to guide women towards academic careers.”

Dr. Beeman would like others to know that ELAM is encouraged for women who plan to remain in academics. In particular, ELAM needs more women dentists to participate in ELAM. It certainly sounds like a great opportunity and yet another homegrown achievement here from our own orthodontic family.

Mystery Alum Dr. Chuck Pritchett

Dr. Pritchett graduated from the UK Orthodontic Program in 1970 as a member of the first class under the tutelage of Dr. Bill Proffit. Teaching on and off at UK since 1974, Dr. Pritchett is a gifted and well-respected educator who feels, “As a faculty member, I learn more from students than I’m able to teach them.”

Karen Pritchett met Chuck nearly 43 years ago and after raising two children, Mary & John, claims to have had the seven-year-itch some six times now. John and Chuck are currently in practice together and, perhaps to his son’s chagrin, the senior Pritchett has no immediate plans for retirement.

As an instrumental player involved in the E. Preston Hicks Endowed Chair of Orthodontics and Oral Research, Dr. Pritchett hopes to see a second endowed chair associated with the Graduate Program developed very soon.

Division Chief *(Continued from page 1)*

field has agreed to be our guest speaker at this year’s Graduate Symposium on May 30th. I hope you can make it this year to help us celebrate the graduation of Drs. Joe Petrey and Cheryl Aldridge, and welcome Dr. Hartsfield to Kentucky.

As you may have already read, Dr. E. Preston Hicks has been awarded the 2008 Great Teacher Award from the UK Alumni Association. As the oldest continuous teaching award at UK, this prestigious recognition is annually given to six professors across campus who demonstrate superior knowledge in their area of study, have original and innovative classroom presentations and demonstrate concern for students, both inside and outside the College. Along with the nominating students, I’m sure you will concur that no one epitomizes these traits better than Preston and that he has been duly awarded this tremendous honor.

Finally, Dr. Cynthia S. Beeman has been accepted into the 2007-08 Executive Leadership in Academic Medicine. ELAM is an intensive one-year program that was developed for women at the associate/full professor level who demonstrate the greatest potential for assuming executive leadership positions at academic health centers within the next five years. Cindy was nominated by Dean Turner, and is very deserving of this great opportunity. Dr. Beeman discusses this program with Dr. Jennifer Sullivan above.

So, as you can see from this and other announcements and stories in this newsletter, there is a lot of positive energy in your graduate program. Please review the rest of this issue and learn more about the interesting work being done by the wonderful and creative people here at UK. I invite you to get involved and consider any number of ways you can contribute to the education of these bright and productive young students of orthodontics. You have much more knowledge to give them than you realize and in the end, you will benefit far more than you can imagine by sharing some of that experience and expertise with them, the practitioners of tomorrow.

Thinking about Teaching Thinking Orthodontics:

A Progress Update Dr. E. Preston Hicks, Graduate Clinical Director

Orthodontists must often make judgments and treatment decisions under uncertainty. First, we may make judgments from flawed or ambiguous evidence, or we may reason from flawed or incomplete understanding of the true nature of a clinical problem. Second, because we function in an ill-structured domain of knowledge, our reasoning and problem solving strategies may lead to falling back from rigorous analytical processes to using choice heuristics (short-cut decision strategies) which can often produce certain predictable biases and decision errors. Third, complex decision problems frequently involve conflict among values, because no one treatment option meets all of our objectives. Choice among these alternatives then may lead to inconsistency as determined by the context in which decisions are made. And finally, more recent research in cognitive science reveals that people differ in their decision strategies determined both by how much effort is required and their estimation of how accurate their judgments are likely to be. For example, when faced with ambiguity, a heuristic that considered only information on one attribute of a problem, because it required less effort, but is also less accurate, was chosen as an expedient over a heuristic that required examination of a larger set of the available information. Considerable empirical research in the fields of cognitive psychology and decision theory has been conducted over the past 30 years and has found application in many professional disciplines, especially in nursing, medicine and pharmacy. Unfortunately, my survey of the literature in the specialty of orthodontic reveals a relative paucity of comparable research into the cognitive processes in orthodontic decision-making. Moreover, I have discovered that very little has been published regarding application of the concepts and principles to guide appropriate instructional design for teaching critical and reflective thinking and problem solving in postdoctoral orthodontic education.

My goal over this past year has been to survey the literature in the field of decision theory. Based on my findings, I plan to propose a curricular framework to develop and strengthen critical and reflective thinking skills and to identify more reliable choice heuristics to reduce decision errors when solving orthodontic problems under everyday clinical conditions. Presently, I envision two articles (co-authored with Tom, Cindy, Sandy Challman, and Mandy Brown, Third Year Dental Student): the first paper to expound the basic theoretical concepts and principles with applications to instructional design for a postdoctoral orthodontic curriculum; and the second, to conduct an inductive analysis of our own curriculum at UK to identify our strengths and areas for improvement and then to propose an educational model for the specialty. These are heady goals and though the challenges against success are great, I remain firmly convinced of the worth of these projects to improving our educational mission. I welcome any thoughts or suggestions from our valued alumni!

JOURNAL CLUB Dr. Albert L. Pascual, Second Year

Each year, the 2nd year orthodontic residents are asked to provide a series of seminars in which challenging questions in the field of orthodontics are posed to the rest of the orthodontic department, and reviews of the best available evidence offered in the medical and dental literature are presented to best answer the questions. The journal articles selected are then dissected and evaluated for strength in the evidence provided. This format creates an environment of critical thinking and intellectual discourse amongst the residents and faculty, with the overall goal of formulating a clinical frame of mind that will better serve orthodontic patients as a whole.

The questions and issues presented by the current 2nd year residents, Dr. Sally Holliday, Dr. Megan McHugh, and Dr. Albert Pascual, thus far have included topics concerning: factors and properties that affect the force duration and force loads provided by different orthodontic elastic chains; the ever present debate over the value of 1-Phase VS 2-Phase orthodontic treatment in CI-II skeletal patients; the management of orthodontic patients presenting with Primary Failure of Eruption; as well as a review of the current biologic principles of orthodontic tooth movement and how they may be applied to newly developed and marketed orthodontic appliances such as the Hycon Device.

The presentation of seminars in the homes of Dr. Hicks, Dr. Beeman, and Dr. Kluemper, was a change implemented to foster a more casual, warm, and familial atmosphere for the critical discussion that takes place. The unique deviation from tradition was a success, and much appreciation goes out to the faculty members for their gracious hospitality.



University of
Kentucky
Orthodontic
Graduate Program
Alumni Newsletter

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Focus On Faculty :

Dr. Paul Tran

Dr. Megan McHugh, Second Year

An avid boater and sports fanatic, Dr. Paulo Tran is a wonderful part-time faculty member at the University of Kentucky Orthodontic Graduate Program. Dr. Tran was born in China but grew up in Brazil. He transferred to the University of Houston where he completed his college education and then received his DDS from Baylor in 1990. He completed his Orthodontic residency at the University of Kentucky from 1991-1994 and it was during this time that he met and married

his lovely wife, Lynn, who was completing a General Practice Residency at UK. Lynn and Paulo now have three children: Alex (9), Charlie (7), and Emily (1); all of whom Dr. Tran dedicates as much time to as possible.

Dr. Tran hopes, with a little positive reinforcement from his loving wife, to one day take her on the vacation of their dreams: a 10-day boating trip throughout the Caribbean where he will be given the opportunity to serve as the Captain of his own boat!

Dr. Tran is currently in private practice in Louisville but every fourth Thursday, he travels to UK to give back to the Orthodontic community that gave so much to him years ago. Dr. Tran attributes his desire to teach to Dr. Chuck Pritchett, his mentor during his orthodontic residency at UK, whom, at the time, was a part-time faculty member. Today, years later, the two are paired together as attendings on the same clinical day, and a dynamic duo they are! Dr. Tran believes it is the responsibility of every orthodontist to give back to their program and profession in some way or another. However, his generosity does not end within his profession as he is also a giving member of his community; assisting by donating time, money, and anything else he can to help those around him.

As for the future, Dr. Tran plans to continue practicing until he feels he can no longer make a difference in this profession. Fortunately, he continues to make a difference to every resident that passes under his tutelage and we are better residents because of him.

