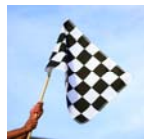


# COMING UP

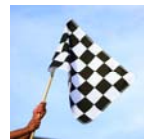
## *Indiana University School of Dentistry Calendar of Events*



*What's Ken Burgess Got Up His Sleeve  
When He Isn't on the Job at the Dental School?*



**May 2012**



CPR TRAINING for full- and part-time clinical faculty and staff continues in May, 8:30 a.m.-noon with the following choice of days: Friday, May 11; Tuesday, May 15; and Friday, May 18. All classes at Walker Plaza. Register with **Kathy Thompson** at 274-8841; [kthomps@iupui.edu](mailto:kthomps@iupui.edu).

**April 30-May 4 (Mon.-Fri.)**

SECOND SEMESTER ASSESSMENT WEEK for dental assisting and dental hygiene students

**2 (Wed.)**

Final day of the NATIONAL ORAL HEALTH CONFERENCE, Milwaukee

**4-8 (Fri.-Tues.)**

AMERICAN ASSOCIATION OF ORTHODONTISTS annual session, Honolulu

**5 (Sat.)**

OneAmerica 500 FESTIVAL MINI-MARATHON (sold out): <http://www.500festival.com/mini-marathon>.  
Due to the race the LIBRARY OPENS AT 1 P.M. today.



*Trevor Treasure*

**7 (Mon.)**

Come say your goodbyes at a FAREWELL RECEPTION for Dr. **Trevor Treasure**, clinical assistant professor of oral and maxillofacial surgery, who will be departing IU in early June; noon-1:30 p.m. in DS245. Everyone welcome.

**11 (Fri.)**

PROPOSAL SUBMISSION DEADLINE for Student Research Subcommittee's May 25 meeting

IUSD FACULTY COUNCIL, noon-1 p.m. in DS115

SECOND SEMESTER ENDS for dental assisting, dental hygiene, fourth-year dental, and graduate students



**CLASSES OF 2012, THIS WILL SOON BE YOU! CONGRATULATIONS!**

**12-13 (Sat.-Sun.)**

COMMENCEMENT and its associated celebrations begin on Saturday afternoon for the IU School of Dentistry Classes of 2012, as they join more than 19,000 students from seven IU campuses, including Purdue University students on the IUPUI campus, in completing their degree and certificate programs this May.

The School of Dentistry anticipates a 2012 graduation group of 224 students who are earning degrees and certificates in Dental Assisting, Dental Hygiene, Public Health Dental Hygiene, Dentistry, Graduate Programs, and Residency Programs.

For the first time, Dean **John Williams** is launching this very special weekend by hosting an OPEN HOUSE at the dental school on Saturday, 2-4 p.m., for the graduates and their well-wishers. "Students will be able to give their family and friends tours of the place where they've been 'living' the past few years," says **Michele Farris** of the Office of Student Affairs. Refreshments will be served in the Student Lounge, as Dean Williams and other faculty members move throughout the building to congratulate the grads and meet their families.

Students and families will then head downtown to the Indiana Convention Center's Sagamore Ballroom for the School of Dentistry PRE-COMMENCEMENT PROGRAM AND PRESENTATION OF DIPLOMAS AND CERTIFICATES, which begins promptly at 6:00 p.m. "Doors will open and the line-up will begin at 5:30," says Michele.

On Sunday morning dental school graduates will return to the Convention Center with their guests for the dental school's AWARDS PROGRAM AND BREAKFAST BUFFET, beginning at 7:30. At the close of the program at 9:30, graduates of Dentistry, Dental Hygiene, and the Graduate Programs will move along with the dental faculty to Hall D of the Convention Center to line up for IUPUI Commencement. Family and friends will move to Halls A-B-C for seating to observe the festivities. The procession will begin at 10:40, with Commencement's anticipated end time of 1:00 p.m.

**12-13- (Sat.-Sun.)**

LIBRARY CLOSED for graduation

**14 (Mon.)**

SUMMER SESSION BEGINS for dental assisting, dental hygiene, and graduate students

**15 (Tues.)**

Indiana Section of the American Association for Dental Research presents SMALL MOLECULES AND THEIR POTENTIAL APPLICATION IN ORAL DISEASES, by **Hui Wu**, PhD, Department of Pediatric Dentistry, University of Alabama at Birmingham School of Dentistry; noon-1 p.m. in DS S117. Everyone welcome.

**16 (Wed.)**

Dental Assistants Lunch & Learn program presents DENTAL LAWS AFFECTING DENTAL ASSISTANTS, by Prof. **Patricia Capps**, Dental Assisting; noon-1 p.m. in DS S116.

**17 (Thurs.)**

INAADR presents THE EFFECTS OF PULP REGENERATION MEDICAMENTS ON MECHANICAL PROPERTIES, STRUCTURAL COMPOSITION, AND MORPHOLOGICAL FEATURES OF RADICULAR DENTIN, by Dr. **Ghaeth Yassen**, IUSD PhD candidate; noon-1 p.m. in DS S116. Everyone welcome.

**18 (Fri.)**

RESEARCH COMMITTEE, 9 a.m. in DS S421

**21 (Mon.)**

Faculty/Staff Enrichment, 9 a.m.-noon in DS S116: **Jane Forest**, University of Southern California, presents EVIDENCE-BASED DENTISTRY.

**22 (Tues.)**

INAADR presents a talk by **David Reznick**, DDS, chief of the dental service for the Grady Health System and director of the Oral Health Center of Grady's Infectious Disease Program, Atlanta, Ga. Dr. Reznick will discuss funded research he is working on related to HIV and oral healthcare. Talk is 4-5 p.m. in DS S116. Everyone welcome.

**24-27 (Thurs.-Sun.)**

AMERICAN ACADEMY OF PEDIATRIC DENTISTRY annual session, San Diego

**25 (Fri.)**

STUDENT RESEARCH SUBCOMMITTEE, 8 a.m. in DS B29

**26-28 (Sat.-Mon.)**

LIBRARY CLOSED for holiday

**27 (Sun.)**

INDY 500 RACE DAY: <http://www.indianapolismotorspeedway.com/indy500/>

**28 (Mon.)**

MEMORIAL DAY HOLIDAY (school closed)

**29-June 1 (Tues.-Fri.)**

SECOND SEMESTER ASSESSMENT WEEK for first- and second-year dental students

## People, Places, and Things



*George Willis*

**DOWN AND TEMPORARILY OUT, BUT A-OK AFTER DR. WILLIS COMES TO THE RESCUE: A GOOD DEED REMEMBERED.** With the instant access to information that the digital age provides and the social networking explosion of the past decade, privacy gets harder and harder to hold onto. It seems that everybody's business is everybody's business these days, whether we like it or not. The dental school got an early glimpse of this "anything goes" trend back in May 2001.

About 250 of us were enjoying a lovely reception honoring the school's donors in a downtown Indy hotel ballroom when one of the guests became momentarily dizzy and fainted. He was immediately surrounded by his concerned colleagues and friends – but also, bizarrely, by a national TV film crew that suddenly swarmed into the ballroom, seemingly from out of nowhere, with a camera poised to record the incident.

As it turns out, TLC (The Learning Channel) was in town to shadow ambulances as they responded to 911 calls. Crew members were collecting footage for the popular but highly controversial show *Trauma: Life in the E.R.*, and they happened to be stationed near our hotel with the ambulance team that responded to the call placed on behalf of our guest. In the chaos many of us went through several iterations of the "headless chicken" routine after we realized a national TV show with an activated camera had barged into our private soiree to take advantage of our ill friend. Remember, this was well before *YouTube*, and before cameras were routinely embedded in cell phones – privacy was more the norm than the exception in those days, and we didn't know what to make of these aggressive interlopers.

But Dr. **George Willis**, associate dean for Clinical Affairs, did. As the cameraman zeroed in on the fellow on the floor, Dr. Willis calmly but quickly knelt down and placed himself between the camera lens and the guest. Without raising his voice or getting nasty, Dr. Willis continued to block the camera's view

until the disappointed crew finally gave up and shuffled out the door in search of a new victim. Happily, the guest was quickly revived, and even felt well enough to wave off the ambulance.

We know, of course, that this TV series would not have used the footage even if the cameraman had managed to capture any at our reception. Our guest merely crumpled onto a very plush ballroom carpet, sustaining nothing more in the way of injuries than a bit of embarrassment – his condition wasn't nearly gory enough to interest a show that routinely treated its viewers to blood and guts action scenes in the E.R.

What's cool, though, is that because of Dr. Willis, there is no footage from our donors reception tucked away in some Hollywood vault, waiting to one day be hauled out and used for heaven-only-knows what purpose. It was a small victory for privacy that evening, thanks to Dr. Willis's quiet determination to protect a colleague when he was at his most vulnerable.

TLC ran its *Trauma* episode on the city of Indianapolis – titled "The Bleeding Heartland" – a few months later.



*Kristy Chapman*

**IN THE NEWS: KRISTY CHAPMAN ON FOX 59.** If you were watching Fox 59's evening news on April 24 you no doubt spotted one of our own in a news story about the IUPUI Staff Council's very successful "Make a Soldier Smile" project. As members of the IUPUI Staff Council, **Kristy Chapman** of IUSD's Academic Affairs Office and **Kelly Milholic** were interviewed at the Campus Center about their council project in which they send goofy gag gifts overseas – everything from Silly Putty to whoopee cushions – to help give soldiers a moment of laughter during their stressful assignments. Kelly first started sending oddball stuff just to her soldier husband, but the other soldiers got such a kick out of his knickknacks that Kelly and Kristy decided to organize a program through the IUPUI Staff Council. Here's the Fox 59 news spot (this link is temporary): <http://www.fox59.com/news/wxin-local-women-send-soldiers-unique-care-packages-20120424,0,7916020.column>.

Kristy has served on the IUPUI Staff Council for three years, including the first two when she was representing the dental school. Today she serves as an At-Large member of the council's Executive Committee and as a co-chair of the Special Events Committee. "We plan blood drives twice a year, the Legacy Project that involves planting flowers at the campus entrances, an annual retreat in July, and community projects like this one," says Kristy. "We hope that the Fox news story will generate more donations." If you're out shopping this weekend and you happen to run across, say, a fake toupee, or an equally ridiculous gag gift or toy, rest assured that as a donation from you it would not go unappreciated

by a soldier in need of a chuckle. If you'd like to donate or help out, Kristy would be happy to speak with you.

**RISING TO THE TOP OF THE TOP – AGAIN.** As we reported this time last year, IUPUI student **Jessica “Jessie” Rodenbeck** was chosen from the campus's top 100 students (a great honor in itself) to be one of the top 10 female college students for 2011. And in 2012, Jessie's star is still shining bright: She has once again been chosen as one of IUPUI's top 10 female students. Many of you know Jessie, a School of Science student who for the past two years has conducted studies in the lab of her research mentor, Dr. **Richard Gregory** of Oral Biology. The IU School of Dentistry will welcome Jessie as an incoming dental student in the DDS Class of 2016 this fall.

Four other IUPUI students enrolled in the School of Science with close ties to the dental school's Oral Biology researchers were also honored in 2012 as members of the distinguished “Top 100” club, including another student who will be a member of the DDS Class of 2016: **Kathryn Delacruz**. She has worked in the lab of research mentor Dr. **Jack Windsor** for two years.

The other three were all student researchers at the dental school the past academic year, including **Kylie Bontrager** in Dr. Windsor's lab; **Tomas Meijome** in Dr. **Fengyu Song**'s lab; and **Sarmed Toma**, who worked with Dr. Windsor and also Dr. **Ghada Batarseh**, a PhD student in Dental Science.

This campus recognition speaks volumes about the quality of these young scholars – and also the dental faculty who helped guide them through their extraordinarily successful undergrad studies. Congratulations to both the students and their mentors.



**Mandy Kot**

**CHANCELLOR'S HONOREES.** Congratulations to fourth-year dental student **Mandy Kot**, who was recognized as the IU School of Dentistry's 2012 Chancellor's Scholar during the annual Chancellor's Academic Honors Convocation for students and employees, held at the University Place Conference Center on April 19. Ms. Kot was also honored this spring as Omicron Kappa Upsilon dental honor society's Outstanding Student for 2012.



At Chancellor Bantz's event several dental professors were also honored. In addition to orthodontics professor Dr. **Sean Liu's** Prestigious External Award Recognition, which we reported on last month, five dental faculty members received IU Trustees Teaching Awards for their outstanding work as educators in the past year. We congratulate these professors, who are pictured above, from left: Dr. **Joan Kowolik**, Pediatric Dentistry; Prof. **Pamela Rettig**, Dental Hygiene Division, Periodontics and Allied Dental Programs; Dr. **Laura Romito**, Oral Biology; Prof. **Lorinda Coan**, Dental Hygiene Division; and Dr. **Judith Chin**, Pediatric Dentistry.



*Devin Shone (l), Austin Starr, Hani Ahdab*

**NEW DENTAL STUDENT RESEARCH OFFICERS.** Election results have put the following dental students in charge of the Student Research Group for academic 2012-2013: **Devin Shone**, Class of 2013, president; **Austin Starr**, Class of 2014, vice president; and **Hani Ahdab**, Class of 2014, secretary-treasurer. Faculty advisor is Dr. **Richard Gregory**, director of Student Research and the PhD Program.





*Susan Zunt (l), Ebon Turner, and Cheryl Krushinski with one of the VELscopes*

**NEW TECHNOLOGY IN ORAL PATHOLOGY, MEDICINE, AND RADIOLOGY.** Thanks to a gift from LED Dental, Inc., the Department of Oral Pathology, Medicine, and Radiology now has two state-of-the-art VELscopes that are being put to good use in both research and patient care. Company representative Mr. **Ebon Turner** recently visited the dental school to present the newest model, VELscope Vx, to Dr. **Susan Zunt**, department chair. The instrument is worth about \$4,000.

“On behalf of the department, I thank LED Dental for the very gracious gift of this newest technology,” Dr. Zunt says. Oral Pathology, Medicine, and Radiology faculty member Dr. **Cheryl Krushinski** has a current IRB-approved study in which she will introduce the VELscope to dental students, who will use it with patients in the screening clinic. “This latest model of the VELscope, with the updated light source and attached data-collecting camera, will be very valuable in the instruction and documentation of lesions. The scope will also facilitate referral for diagnostic biopsy, when necessary,” says Dr. Zunt.

LED Dental, Inc., is a Vancouver, British Columbia, company that has developed the VELscope system to help detect abnormal oral tissue early on. LED Dental says the system, which is based on the direct visualization of tissue fluorescence, enables practitioners to see trauma and disease that may not be visible under ordinary light. With the original model launched in 2006, LED Dental estimates that the VELscope has been used in more than 6,000 dental practices and for more than six million oral-mucosal exams worldwide.

Dr. Zunt says that she uses one of the VELscopes on every patient she sees clinically. “I am convinced by the documentation in the literature and my personal experience that the VELscope examination allows me to detect abnormalities that I cannot see with my unaided vision. This powerful technology enhances the comprehensive oral exam that we can offer to the dental patient to detect tissue abnormalities.”



*Tooth fairy Lauren Mummert, D3, seated, and, from left: Brittany Curnutt, D2; Recca Sodhi, D1; Megan Booe, D2; Brenda Bui (kneeling), D2; David Heath, D2; Nathan Stanley, D3; Betsy Rogers, D3; Amanda Bradley (in front of Betsy), D1; Lauren Trancik, D1; and Sabrina Dada, D1. Not pictured is Sarah Blanchard, D3.*

#### **THE TOOTH FAIRY AND HER KIDS CLUB PALS TAKE PART IN “KINDERGARTEN COUNTDOWN.”**

Youngsters participating in Kindergarten Countdown at Indianapolis’s Central Library on April 14 got an added bonus on top of their free dental screenings: a visit and a smile from the Tooth Fairy, whose delicate blue wings complemented the blue scrubs many of the dental student volunteers wore. The Tooth Fairy is known at 1121 West Michigan as dental student **Lauren Mummert**.

Lauren was joined by 11 other members of the Kids Club, a local group of dental students who volunteer in the community through the American Academy of Pediatric Dentistry Student Organization. IU Health and a host of partners produced the event with a goal of inspiring more parents to enroll their children in kindergarten in the coming year, with particular focus on the Indianapolis Public Schools. Kindergarten-age kids received free backpacks as well as free immunizations and vision and dental screenings.

“It was a successful event,” says **Heather Taylor**, a Pediatric Dentistry faculty member who supervised the event with colleague Dr. **Joan Kowolik**. “Ninety children were preregistered for school, and 49 received dental screenings. More than half of the children screened had active decay.”



**AT THE INDY 500, IT'S ALL ABOUT 'THE FUEL AND THE FLAGS' FOR KEN BURGESS.** Indy 500 fans like to describe the thrill they feel at the beginning of the race, when the pace lap transitions into Lap One and you can't tell which is more deafening: the roar of 33 power-house engines, the cheers of a crowd 400,000 strong, or the thumping of your own heart.

The thrill for **Ken Burgess**, though, is fueled by fuel: He has first-hand knowledge that the cars' engines are running on an identical composition of race-quality gas and ethanol – and therefore that all 33 drivers have a fair shake at winning the race.



*Ken with actor and race enthusiast Mark Wahlberg in 2010*

For the past 18 years Ken Burgess has worked at the dental school as a research analyst with Infection Control and Research Services. But during those same two decades, Ken has been better known outside the dental community as IndyCar's technical official for fuel systems, answering to IndyCar's technical director for overall operations. And during the race itself he has a secondary task – he's an assistant in the flag stand who listens on his headset to orders from Race Control.

It's a unique part-time job that takes Ken far beyond Indiana's legendary oval – he uses virtually all of his vacation days each year to travel as a member of the IndyCar series, which involves a minimum of 16 races annually. He's worked races throughout the U.S. and in Canada, Australia, Brazil, Japan – and soon, China.

Ken, who is a 1998 IUPUI grad in chemistry and biology, says he lucked into the position. "I just fell into it," Ken told us in April, the day before he was packing up for the next race in Brazil. "I was working on my degree, and my girlfriend's uncle, who worked for Valvoline Motor Sports, was looking for someone to test the fuel systems. I was in the right place at the right time."

Ken's task is a big one: He must make sure that all teams are in compliance with absolutely everything having to do with "E85R" – a product made specifically for race cars that costs about \$8 a gallon and is composed of 85% ethanol and 15% of a special race gasoline that is much more pure than the gas we fill our own cars with. To a certain degree drivers can manipulate fuel lines, filters, and pumps, but only with the approval of an official. For huge races like the Indy 500, Ken brings others in to help him complete the work.



***Ken takes a respectful but no-nonsense approach to his work***

Ken's role as the fuel chemist requires him to draw upon not only his education but also his sense of diplomacy, even-keel personality, and stick-to-it-ness resolve when talking to the occasional temperamental driver. It falls to Ken to blow the whistle when a driver tries to tweak the fuel system. He recalls a few years ago when a driver tried to deliberately "sneak a tweak" passed him. "It cost him about \$100,000 – \$75,000 to rebuild his engine and \$25,000 in fines," says Ken.

"But most drivers know better than to even try it," Ken adds, "because they know *me*."

If you watch the race on TV, chances are you've seen Ken assisting in the flag stand – he often shows up in race footage as the man running the caution lights in tandem with the flag man. So far, he's never been bumped into "pole position" as the flag man at the Indy 500, but he's served as the main flagger at about a half dozen races in other countries when a flagger had to bow out on short notice.

In most situations, the flaggers do not wave a flag without orders from the Race Control unit. "Race Control makes the flag call, but if it's an unpopular one with a driver I'm the one who gets yelled at, of course," Ken says with a laugh. He's been chewed up and cussed out by some of the best, but usually the drivers eventually cool down and joke with him about it later. The worst "bad boy" or "bad girl" flag a driver can receive is the dreaded black one with a big white X on it. "That tells the driver to leave the track immediately – it means the driver's error is so egregious that the transponder has been turned off, the laps are no longer being counted. He or she is done for the day," says Ken.

A big part of Ken's success has to do with his focus on objectivity and the fact, oddly enough, that he himself is not a race fan. He doesn't get swept up in the excitement that surrounds the Indy 500 or any other race, and he's not swayed by fame. "You need to be *working* the race, not watching it," he says. "I don't see celebrities when I deal with well-known personalities. I know I have a job to do, and I see drivers as people who are just trying to do their jobs, too."

Ken's darkest moment on the job came in October 2011, when reigning Indy 500 champ **Dan Wheldon** died in a crash during a race in Las Vegas. Dan was one of the few drivers Ken considered a personal friend, along with his wife and children.

And Ken's most rewarding moment? "No certain moment," he says without hesitation. "What's most rewarding for me has nothing to do with the race itself – it's the ability to travel. When I was growing up, my family could afford only one trip a year, and it was always to visit relatives in Florida – and not a part of Florida near the ocean, even. My experience with the IndyCar Series has taken me to 40 states and several other countries. I have developed close friendships with people far from Indiana whom I never would have met without this position. That's reward enough for me."



**LOTS OF LUCK IN THE SEASON AHEAD, COLTS!**



Send items for June calendar by May 25: Indiana University School of Dentistry, Room DS B32, 1121 West Michigan Street, Indianapolis IN 46202-5186. Fax: (317) 274-7188. E-mail: [smcрум@iupui.edu](mailto:smcрум@iupui.edu)

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