October, 2006

Dear Educators,

Welcome to the 2006-2007 school year. I am sure that everyone is moving fast and furiously through the Fall semester. The board of directors met in June and again in September. As your representative I attended a task force meeting with TDHA to discuss collaborative practice and local anesthesia. Brad Shields is lobbyist for TDHA and will be guiding their legislative agenda. The TDHEA board is in the process of hiring a new lobbyist that Brad has recommended for the 2007 legislative year. We are looking for an Excellence through Education chairman to work with our new lobbyist. Please let me know if you are interested.

I am very excited about our proposed list of topics and speakers that Debbie Lyon, Continuing Education Chairman, has proposed for the TDHEA/SADHA meeting in San Antonio, February, 2007. I want to encourage everyone to renew their membership in January and to attend the TDHEA meeting. The membership form can be downloaded from our website for renewal.

TDHA is investigating giving faculty members a discount on their Constituent dues in order to encourage TDHA membership. I served as a Houston delegate

(Continued on page 3)
Are you interested in joining the TDHEA Speakers Bureau...

TDHEA has developed a Speakers Bureau. The Bureau consists of faculty who are willing to present a CE course with or without a reduced honorarium as a means of generating income for TDHEA. This income will be used by the Excellence through in Education Committee (ETE) to promote quality, accredited dental hygiene education in Texas. If you are willing to help TDHEA in this way, send your name, institutional affiliation, address, phone number, e-mail address, and topic to Chris French Beatty at cbeatty@mail.twu.edu.

### TDHEA Speakers Bureau

<table>
<thead>
<tr>
<th>NAME / Affiliation</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Barb Bennett, TSTC</td>
<td>Infectious Diseases</td>
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<td></td>
<td>Oral Complications of Cancer</td>
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<td></td>
<td>Prep for NO₂ Certification</td>
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<td>Chris Beatty, TWU</td>
<td>Fluorides &amp; Fluorosis</td>
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<td>Dental Hygiene Care for the Elderly</td>
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<td>Renee Cornett, ACC</td>
<td>Instrumentation</td>
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<tr>
<td>Harold Henson, UTHSCH</td>
<td>Ergonomics</td>
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<tr>
<td>Marque Mathis, Blinn College</td>
<td>New Concepts in Dental Hygiene Care</td>
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<tr>
<td>Carolyn Ray, TWU</td>
<td>New AAP Perio Classification</td>
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<tr>
<td>Donna Warren, UTHSCH</td>
<td>Advanced Instrumentation</td>
</tr>
<tr>
<td>Angela Worrell, TSTC</td>
<td>Fluorides (Certified through AGD)</td>
</tr>
<tr>
<td>Becky Wright, LIT</td>
<td>Nutrition and Oral Health: Challenges and Concerns for the Aging Population</td>
</tr>
</tbody>
</table>

If your name is not listed and you feel it should be, contact Betty Reynard 409-880-8858.
to the TDHA Annual Session, September, 2006. I supported this resolution and gave testimony concerning the organizations that we are expected to participate in. Contact your TDHA delegate to support this resolution.

As Student Affairs Co-chairman I am working very closely with Heather Knitter to finalize the SADHA agenda. We are going to try some fun new things with the students this year at the SADHA meeting.

We will not host a board review this year. Since several reviews are given in Texas, we have decided to revise and revamp our review next summer. If anyone is interested in participating as a presenter, please let Barbara Bennett barbara.bennett@harlingen.tstc.edu or me know. If any of the schools would like to host a continuing education course to benefit TDHEA, please let me know.

Please contact me at 713-500-4398 or via email at Holly.C.Rice@uth.tmc.edu if you have any suggestions.

Holly C. Rice, RDH, MEd

ANNOUNCEMENT

ADA will no longer allow dental hygiene educators to review the Dental Hygiene National Board Examination, in order to protect the confidentiality of the exam.

Deborah Durham has resigned her position as Chairperson of the Excellence Through Education Committee and also her position at Temple Junior College. She has taken a position as Medical Policy Manager with ACS in Austin, a business out-sourcing company who has been awarded TX Medicaid contracts. TDHEA wishes her success. TDHEA is currently looking for a Chairperson for this Committee.

Advanced Dental Hygiene Traineeship in Periodontology

The University of Texas Dental Brach at Houston is offering an advanced dental hygiene traineeship in periodontics for licensed dental hygienists. The program would be especially helpful for dental hygiene faculty who teach periodontology courses and practicing RDHs who wish to work in a periodontology office. The program runs during the summer with one additional semester on a part-time basis. For more information contact Donna Warren Morris at 713-600-4396, donna.p.warren@uth.tmc.edu.

Jayne A. McWherter, M.Ed received the Lorna J Bruning Award for Clinical Teaching Excellence at The University of Texas Health Science Center at Houston. The award is student-chosen and recognizes dental hygiene faculty who demonstrate the most knowledge, competency and enthusiasm for teaching dental hygiene, along with the encouragement of critical thinking. The award was presented by Dr. Catherine Flaitz, Dean, May 19, 2006.

Dr. Arreguin, Dental Hygiene Director of Del Mar College has been promoted to Department Chair of Allied Health and Imaging Education, a newly formed Department that includes dental hygiene, dental assisting, radiology technology, sonography, and nuclear medicine assistant programs.

Christine Beatty, RDH, PhD has been included in Empire’s Who’s Who of Women in Education 2006/2007.
Harold Henson: Immediate Past president of Sigma Phi Alpha with honorary member, Christine Havinaras-Delozier and current SPA President, Laura Mueller-Joseph at ADHA meeting in Florida.

Clinic Coordinators meeting, Sept, 2006

TDHEA Board of Director's meeting, Sept, 2006

Director's meeting, Sept, 2006
Value of a National Board Dental Hygiene Review Course: A National Survey

Christine French Beatty, R.D.H., Ph.D.
TWU Department of Dental Hygiene

Dental hygiene (DH) students have access to a variety of highly publicized and costly National Board (NBDHE) review courses. DH educators are called on to recommend their appropriateness. The purpose of this study was to evaluate attendees’ perceived value of a nationally based NBDHE review course.

Methods

Following IRB approval, a questionnaire was mailed to 1648 individuals who attended the 2002 Dental Hygiene Seminars, Inc. dental hygiene board review course as students just prior to graduation. The response rate was 29 percent, and data analysis was completed on 419 valid responses. All data were self-reported. Questions asked are reflected in the Results of this report.

Results

The results of these forced choice questions indicated that 89% of the respondents graduated from a 2-year program, and 11% from a bachelor’s degree program; 89% spoke English as their first language; 96% passed on their first attempt, 2% on second attempt, and 2% on third or greater attempt; 48% scored above 85; 86% rated the course as having good to excellent relevance to the NBDHE content; 94% would recommend it to other students; 85% rated it as beneficial to very beneficial; 61% rated it as having excellent monetary value; and 53% relied on faculty recommendation to select this course to attend. Respondents reported use of the following study aids to supplement their attendance at the review course: review course notebook (95%), published DH review books (81%), DH school lecture notes (65%), DH school textbooks (59%), internet courses (27%), released NBDHE questions (83%), and other aids (11%) including published flash cards, DH school review course, and mock board at school.

Respondents reported the following forced choice benefits of attending the course: reinforcement and review (80%), introduction of new material (31%), motivation provided by speakers (64%), help with organization of study materials (63%), clarification of NBDHE expectations (76%), and provision of a comprehensive review manual (81%).

Four (1%) wrote in comments that they considered the course unnecessary for self-motivated students.

Canonical correlations analysis revealed a statistically significant relationship between NBDHE achievement and personal and opinion variables (.61 \[F(28, 748)=7.598, P<.001\]). The high factor loadings were passing on first attempt for NBDHE achievement (.994) and GPA (.917) for personal and opinion variables. Cross-tabulation chi-square analysis revealed a statistically significant \(P<.001\) relationship between type of program (higher pass rate for 2-year programs) and success on first attempt (Cramer’s \(V = .230\)).

Discussion

It is interesting to note the heavy dependence on the review course and the accompanying review book compared to other review materials, particularly lecture notes and textbooks. This may differ for students who do not attend a review course. Of particular concern is the use of NBDHE released questions by 83% of respondents. At the time of the 2002 review course attended by these respondents, the last released exam was over 5 years old. The Joint Commission does not recommend the use of released questions for study but rather recommends using textbooks and lecture notes (NBDHE Exam Format & Content, 2006).

A previous study found no statistical difference in NBDHE scores of students from the same DH program that attended and did not attend a review course (DeWald, Gutman, & Solomon, 2004). This study did not make such a comparison, but was designed to determine students’ perceptions of the value and benefits of a review course. That a review course motivates, provides confirmation and reinforcement, and helps a student get organized to review are important for faculty to consider when asked to recommend a review course. Results of this study showed that students with higher self-reported GPA had a higher pass rate on the NBDHE. This supports previous findings that GPA predicts success on the NBDHE (DeWald et al.).

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Students who attended a 2-year program reported a higher first attempt pass rate than students who attended a baccalaureate program. One possible explanation for this interesting phenomenon is that students enrolled in 2-year programs receive basic science instruction closer to the date of their examination. Another possible explanation is that, because of time constraints, 2-year programs provide instruction that is more focused on the required content. Further research is indicated to verify this result and the reasons for it.

The results of this study must be evaluated carefully since they are from self-reported data, reflect only attendees at a specific review course, and represent a small portion of dental hygiene graduates. According to the ADA (Technical Report, 2006), 7250 students sat for the 2002 NBDHE, meaning that only 23% attended this review course and only 6% are represented in these results. Respondents are representative in that 4% were unsuccessful on their first attempt compared to the 3.7% fail rate in 2004 and 4.8% in 2005 (Technical Report, 2006). Respondents reported appreciation of the comprehensiveness of the review course, noted the value of motivating speakers, and reported relying primarily on the review course and its accompanying notebook for study materials. It is critical that faculty become familiar with the review courses that are available to be able to recommend comprehensive, quality courses.

Conclusions
Attendance at a NBDHE course has value:
Motivation to study, reinforcement of learning, and organization of study materials are important benefits of attendance.
Some students who attend a review course rely solely on these review materials.
Faculty must carefully evaluate the quality of review courses they recommend.
Further research is required to determine other factors that relate to passing the NBDHE.

References

TX DENTAL HYGIENE FACULTY PROFESSIONAL PUBLICATIONS, POSTERS, AND PRESENTATIONS

Listed below are the professional accomplishments of Tx Dental Hygiene faculty in the past year.

Christine Beatty, Dental Indices, Collin County Community College Dental Hygiene Program, McKinney, TX, Feb, 2006.


Christine Beatty, Evaluation of Scientific Literature and Biostatistics, 4th Annual Dental Public Health Educators Workshop, University of New Mexico, NM, September, 2005.


Jane McWherter, Suggested Best practices to Design or Improve Your Online Course, The UT TeleCampus Second Annual Innovations in Online Learning Conference, Austin, TX, June, 2006.

JoAnn Scofield, Including Dental Hygienists in Well-Being Programs, 55th Annual Session, U. of Utah School on Alcoholism and Other Drug Dependencies, Dental Section, Salt Lake City, Utah, June, 2006.

JoAnn Scofield, Meth Mouth Texarkana College, Texarkana, TX March, 2006.

JoAnn Scofield, The Chemically Dependent Dental Patient, Dallas Dental Hygienist Society, SW Dental Conference, Dallas, TX, Jan, 2006.


There are many programs and individuals that deserve the appreciation and gratitude of the Texas Dental Hygiene Educators’ Association. If you have the opportunity, please thank these individuals or programs below........

Previous donations made by schools thru continuing education courses
- Temple College
- Wharton Community College
- Kingwood Community College
- Tyler Junior College
- Texas Women’s University
During the week of August 14-18 I had the good fortune to be able to observe in the Department of Head and Neck Surgery at MD Anderson Cancer Center. It was truly an exceptional experience. The Dental Oncology Education Program (DOEP) funded and supported my observation and Grady Basler, the DOEP Project Coordinator was my contact and organizer. I began my week at 7:00 am each morning and competed each day at 5 or 6. Mark Chambers, DMD, MS, FAAMP was the leader of the program and was an excellent and generous teacher with his time and knowledge. Each day my schedule was full and very educational. I followed Dr. Chambers during most of his patient exams, and followups. He also set up rotations through other disciplines in head and neck which included medicine, radiation therapy, speech and audiology, medical oncology and followup, inpatient head and neck, nutrition, and lectures and presentations. I observed more oral cancers than I have ever seen in my life. There were some very important things I observed at the Department of Head and Neck Surgery. The department received a great deal of respect from all other disciplines within the Center. There was an understanding that the effects of cancer therapy can have a enormous effect on the oral cavity. MD Anderson recognizes and uses the interdisciplinary care as a necessity for success in treatment. This is particularly important when it comes to dental oncology and any treatment that has an effect on the oral tissues. As I rotated through the disciplines it was gratifying to see all the doctors realized the need for the patient to have a dental oncology consult. I would recommend this experience for all dental hygiene faculty. Thank you DOEP!
• Valerie Cavazos, Leticia Lopez, and Christine Nguyen from The University of Texas Health Science Center Houston Dental Hygiene Program presented their table clinic *Hooked on Hookah* at the 2006 ADHA Annual Session in June in Orlando, Florida. (Not pictured: Elizabeth Onsec) The students had been provided $500 to help defray the expenses of attending the annual session by TDHEA for receiving first place at the TDHEA Annual Conference in February, 2006.

• Alicia Bell, Alysa Fair, and Blair Moreland for *Recession in the Profession*. This poster was selected by TWU faculty as the winning poster at their conference in April. The students were funded by their SADHA and Sigma Phi Alpha Alpha chapter to attend ADHA and present their. Their faculty sponsor was Carolyn Ray.

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### Mark Your Calendar

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Location</th>
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<tr>
<td>TDHA Director &amp; Clinic Coord</td>
<td>September 20-24, 2006</td>
<td>Omni San Antonio, San Antonio</td>
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<tr>
<td>TX/SADHA Director &amp; Clinic Coord</td>
<td>February 1-3, 2007</td>
<td>Omni San Antonio, San Antonio</td>
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<tr>
<td>TDHEA Annual Conference</td>
<td>February 2-3, 2007</td>
<td>Omni San Antonio, San Antonio</td>
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<td>Legislative Awareness Day</td>
<td>February 1, 2007</td>
<td>Austin</td>
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</table>
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