I. **SECTION CHAIR MESSAGE:**

Dear Colleagues in Dental Education,

The past year as Section Chair has flown past and continues to be a productive time for Cariology education. The year began with the Cariology Section Workshop which was presented twice at the 2012 Annual Session. Based on the positive response to Dental Hygiene Education teaching modules in 2011, two Dental teaching modules were designed and delivered at the Section Workshop in 2012. Scott Eidson, Brian Novy, Stan Sharples and Doug Young presented the interactive experience titled **Who Caries? Engaging Educators in a CAMBRA-based Cariology Curriculum.** The 97 workshop attendees received sample curriculum modules on Lesion Detection and Saliva which included presentations, student handouts, lab/clinic assessment forms, sample interactive student activities, literature review, and more. Participants engaged in team-based learning exercises, and hands-on experiences with saliva testing and radiographs, as examples that could be used with students. They also received a CD-ROM with power point presentations and resources to adapt and utilize when teaching cariology.

I attended the Fall 2012 meetings in Denver which provided a variety of networking opportunities and plenary sessions consisting of valuable education information. The theme of “Embracing Diversity, Access and Inclusion” was demonstrated in a performance by Sarah Jones and a discussion by Alma R. Clayton-Pederson. Charles Bertolami presented eloquent thoughts about ethics curricula in dental education. He challenged educators to teach ethics by internalizing ethics as part of their well-being rather than to teach about ethics. The Council of Section’s meetings reviewed some of the year’s accomplishments:

- The Program Fund initiative awarded monies to nine programs for 2013. Some “tips” were outlined for submitting Program Fund requests such as: Creating a narrative about the scientific evidence when submitting the proposal and bringing in experts, even international experts, for selected programs
- A COS newsletter will soon be published in response to member requests. The first issue is planned to follow the January ADEA Board meeting. Input from members about newsletter content is welcome.
- All Sections and SIGs were evaluated in 2012 (did you know there was an evaluation process?)
- Two SIGs became Sections and two new SIG applications were received
- The problem of needing to rejoin Sections and SIGs at every membership renewal was discussed. With the revision of the website, the hope is to change the procedure to one where members’ automatically continue their Section/SIG membership with an “Opt OUT” option instead. Be sure to check your Section/SIG enrollment status when you renew your membership until the system is changed.
- Project Pool Funds are available to support research projects. See this site for details: [http://www.adea.org/about_adea/SectionsSIGs/Pages/ADEACouncilofSectionsProjectPool.aspx](http://www.adea.org/about_adea/SectionsSIGs/Pages/ADEACouncilofSectionsProjectPool.aspx)
The theme of this year’s Annual Session, *Landscape of Learning*, encompasses key issues and future-oriented concepts in dental education. The Cariology/Operative Section collaboration for the ADEA Annual Session will bring Dr. Kim R. Ekstrand from the University of Copenhagen School of Dentistry to present “Learning Caries Management Decision Making Through Diagnosis and Risk Assessment: Reflections from the Copenhagen Model” on Tuesday March 19th, 2013 from 8:00 am to 9:30 AM in Seattle. Many thanks to Margherita Fontana for making speaker arrangements for Dr. Ekstrand and the support of the Cariology and Operative Section officers. Our Section, in collaboration with the Operative Dentistry and Biomaterials Section, applied for and was awarded a Program Fund grant for 2013 (see details later in the newsletter).

You are invited to attend the Cariology members’ forum scheduled for Monday March 18th at 7:15-8:15 am. Election of next year’s officers will take place as will discussion about the program possibilities for the 2014 Annual Session in San Antonio.

II. SECTION COUNSELOR MESSAGE:

Half through this last year it was an honor to be elected by the board to serve as councilor replacing our first councilor since we became a section: Dr. Mark Wolff. Councilors are very important to the structure of ADEA as they are the only long-term position that allows some continuity to the important missions of the sections. It is a privilege to be able to continue to serve you now in this capacity, and although I am sure I will not be able to shine as Dr. Wolff did (we are all in debt to Mark for the wonderful achievements he helped first our SIG and then Section accomplish, and continues to do so!), I will do my best to learn from his example and his mentorship.

Our Section continues to produce some of ADEA’s best-attended section meetings bringing together some of the world’s greatest authorities in the area of dental caries (do not miss this year’s exciting program with Dr. Kim Ekstrand!), and we continue to collaborate with other Sections and have partnered again this year with the Operative Dentistry Section to obtain funds to bring a wonderful and exciting program to those interested in teaching caries management (from prevention to operative care).

Invite a friend to come and attend with you our program and member’s forum. As Mark said in our first Newsletter: WE NOW HAVE A VOICE IN DENTAL EDUCATION! Let’s make sure that we all participate and benefit from learning from each other.

I look forward to seeing everyone in Seattle!

Margherita Fontana
III. SECTION ACTIVITIES:

POSTER PRESENTATION
Dr. Margherita Fontana presented the following poster at the AADR annual meeting in Tampa, FL on March 22, 2012 based on the results of the curriculum survey administered by the Cariology Section.

![Poster Image]

PROGRAM FUND APPLICATION
In a collaborative venture with the Operative Dentistry and Biomaterials Section, the Cariology Section has invited Kim R. Ekstrand, from University of Copenhagen to speak at the 2013 Annual Session Program. Both sections applied for a Council of Sections Program Fund grant to offset the cost of bringing an international speaker to the next ADEA annual session ($2300 Funded). The planned program is titled: “Reflections from the Copenhagen model: learning caries management decision-making through proper diagnosis and risk assessment” and is designed to meet the following learning outcomes:

- Understand the rapidly changing information about caries.
- Promote critical thinking on how to use current evidence to treat caries lesions at different stages of development.
- Gain competence in caries diagnosis and risk related treatment.
- Learn how new information about caries disease can influence dental education.

INTERIM COUNCILOR APPOINTMENT
After Section Councilor Mark Wolf was elected to position of ADEA Board member at-large, a new councilor was appointed. Margherita Fontana has been selected as interim Section Councilor for Cariology and will hold the office until an election is held in Seattle at the 20313 Cariology Section Member’s Forum.
MEMBERSHIP AND ATTENDANCE
Attendance at the 2012 Annual Session Faculty Development Workshops was 97.
Members’ Forum attendance 2012 was 25.
Total Section membership 754.

IV. ADEA ANNUAL SESSION:

1) Cariology Section Program:
Tuesday March 19, 2013 8:00 pm- 9:30 am
Washington State Convention & Trade Center
Seattle, Washington Room: see program package

Learning caries management decision-making through proper diagnosis and risk assessment
Identifying the correct threshold between surgical and non-surgical intervention is crucial when learning to manage caries disease. This presentation will reflect on the evidence and advantages of the Copenhagen model to teach and assess caries management decision-making. Caries is a biofilm-induced disease developing through periods of demineralization and remineralization. The lesion can arrest at any of stage of development, but the probability is greatest in the early stages. Studies show a strong relationship between visible signs and lesion’s histological depth. Studies also indicate that a fair relationship exists between radiographic radiolucencies and the histological depth of the lesion. Based on this, there are 3 subdiagnoses to “progressing lesions”: a) superficial (involving enamel and/or the outer 1/3 of dentin) b) medium (involving middle 1/3 of dentin) and c) profound (involving inner 1/3 of dentin). These subdiagnoses help drive the surgical and non-surgical decision-making. The presentation will include discussion of cases.

Organizers:
Dr. Margherita Fontana, University of Michigan School of Dentistry
ADEA Cariology Section Interim Councilor

Dr. S. Djordjevic, UCSF School of Dentistry
ADEA Cariology Section Chair-Elect

Dr. Ana Elashvili, The University of Colorado School of Dental Medicine
ADEA Operative and Biomaterials Section Chair

Presenter:
Dr. Kim R. Ekstrand
University of Copenhagen
School of Dentistry

2) Cariology Section Members Forum
Monday, March 18, 2013 7:15-8:15 a.m.
Washington State Convention & Trade Center,
Room: see program package

AGENDA
I. Call to Order – Deborah Horlak
II. Officers Roll Call
III. Approval of Agenda
IV. Approval of 2012 Meeting Minutes (attached)
V. Report from Section Councilor - Margherita Fontana
VI. Old business:
   a. Allied Health Coalition - Michelle Hurlbut/Debi Gerger
   b. Regional CAMBRA Coalition reports
   c. Other working group or Committee Reports
VII. New business:
   a. Elections of new officers
   b. New and existing projects for 2013-2014 year. CDT code changes - Douglas Young
VIII. 2014 program planning
IX. Announcements
X. Adjournment
V. **ANNOUNCEMENTS:**

1) CAMBRA coalitions meetings:

1.1) The Western CAMBRA Coalition meeting is held annually in conjunction with the World Congress of Minimally Invasive Dentistry (WCMID) meeting. For more information, contact Rolande Loftus (Western CAMBRA Secretary) rolande210@gmail.com

1.2) The Central CAMBRA coalition meeting is hosted every year as part of the Academy of Operative Dentistry meeting (www.operativedentistry.com) in February in Chicago. If you want information please contact Dr. Adriana Semprum-Clavier (asemprum@uic.edu) or Dr. Margherita Fontana (mfontan@umich.edu). We hope you can join us!

1.3) The Eastern CAMBRA coalition meeting is hosted as part of the CODE group meeting in October of every year in New York. For information please contact Dr. Mark Wolff (msw300@nyu.edu).

VI. **2012 MINUTES:**

**American Dental Education Association 2012 Annual Session**

**Cariology Section 3-19-12**

**Business Meeting Minutes**

7:15 AM - 8:15PM Monday, March 19, 2012

Minutes prepared and submitted by Spomenka Djordjevic

I. **Call to Order – Dr. S. Sharples**

At 7:17 AM Dr. S. Sharples, Cariology Section Chair, opened the meeting by welcoming all attendees and subsequently introducing the current officers. Total number of attendees: 25

II. **Officers Roll-Call:**

All Present.

Secretary: S. Djordjevic; Chair-Elect: D. Horlak  Chair: S. Sharples Councilor: M. Wolff

M. Wolff is currently being considered for Member at Large on the ADEA Council of Sections; a vote will be conducted via mail.

III. **Approval of agenda**

Agenda for today’s meeting were approved without amendments

IV. **Approval of 2011 Meeting Minutes**

Motion made and seconded to approve the 2011 minutes.

Stan Sharples stressed once again that members have to re-sign for ADEA List-Serves each year to assure that all get meeting minutes and any information sent to the group.

**Council of Sections representative, Judy Skelton** - report on the council’s activities for the past year:

#1. A Strategic Survey’s results yielded the flowing outcomes and incited new projects:

   *** As of 1st Quarter FY2012, September 2011, there is a balance of approximately $156,556.17 in the ADEA Council of Sections account. The balance in this account includes the remaining funds unused by Sections after dues were no longer collected.

   A. The funds are designated for use in the following areas:
i. Travel, lodging, and meals (Member and non-ADEA member and non-US/Canadian Dental Educator).

ii. Honoraria for non-ADEA member and non-US/Canadian Dental Educator when requested by the presenter/speaker.

B. There is no limit on the number of proposals that will be considered for funding.

C. A preference will be given to sections that apply as part of collaboration.

D. The submission deadline for funding proposals is 60 days preceding the Call for Submissions deadline date for the upcoming ADEA Annual Session & Exhibition.

E. An announcement of the ADEA COS Program Fund Award recipients will be provided to applicants prior to the ADEA Call for Programs deadline date and contingent on approval of the program for the Annual Session. Awards for program fund monies will be released after a program has been accepted formally in writing by the ADEA Annual Session Program Committee.

F. Each application will be evaluated based upon the following criteria:
   a. The potential impact of the program on dental education
   b. The relevance of the program to the theme of the ADEA Annual Session
   c. Relevance to the ADEA Strategic Directions
   d. Collaboration with other ADEA Sections, SIGs, and Councils
   e. Scientific evidence and merit of the proposed program
   f. The credentials of the proposed speakers/presenters for the proposed program

*** The highest number of requests was for faculty development programs including the on-line type. There is a search out for a member who may be able to help with that part.

* Potential areas for COS Administrative Board and ADEA to work with COS members to develop repositories of information/tools (for example lecture capture presentations, reference lists, case studies, assessment tools) for use by the ADEA community:
   a. Critical thinking*, problem solving, clinical reasoning
   b. Humanistic environment*, cultural competence, diversity, multicultural environment, communication skills
   c. Evidence-based patient care*, scientific discovery and integration of knowledge*, research
   d. Life-long and self-directed learning*, student self-assessment, personal learning plans
   e. Assessment*, global competency, competencies
   f. Professionalism, ethics
   g. Quality assurance assessment
   h. Health care team*, interprofessional education
   i. Practice management
   j. Comprehensive patient care
   k. Faculty development*
   l. Application of technology

* ADEA Commission on Change and Innovation in dental education guiding principles.

Sections/SIGs that may “fit” with areas listed above:
   a. Behavioral Science
   b. Comprehensive Care and General Dentistry
   c. Educational Research/Development and Curriculum
**d. Minority Affairs**  
**e. Oral Biology**  
**f. Professional, Ethical and Legal Issues**  
**g. Teaching and Learning with Emerging Technology**

*** Starting this year Council of Sections will be preparing a Newsletter twice a year.

### V. Dental school Survey Report – Dr. M. Fontana

**Paper to be published** (Fontana M, Horlak D, Sharples S, Wolff M, Young D.)

**Abstract:**
Recent international efforts have developed guidelines for cariology education. However, little is known regarding cariology education in the US. **Objective:** To gain an understating of the teaching of cariology in the US. The long term goal is to establish recommendations for cariology curriculum changes and identify areas for faculty development. **Methods:** An online survey was conducted by Qualtrics, a secure web-based survey technology. The focus was the 4 year predoctoral dental curriculum in US dental schools. **Results:** There was an 82.7% response rate (48 out of 58 schools surveyed). 46% of schools reported a single department was responsible for teaching cariology, and in 75% of schools this was the same that taught restorative dentistry. 69% had a defined curriculum for cariology, and 79% had preclinical activities prior to clinical experiences. Topics/subjects covered less frequently by schools (<80% of schools) included (% of schools) : genetics and caries (67%), assessing readiness for behavioral change (65%), non-radiographic technology-aided caries detection (76%), International Caries Detection and Assessment criteria (65%), partial caries removal (69%), atraumatic restorative treatment (43%), and management of salivary gland hypofunction (75%). 100% of schools reported that risk assessment was addressed in their curriculum. Products reported by more than 80% of schools as addressed in the curriculum and used also in clinics included: sealants, xylitol, over-the-counter and prescription fluoride dentifrices, professionally applied fluorides and chlorhexidine rinses. Charting of activity was infrequent (58% of schools). There was great variation in the thresholds used between surgical and non-surgical interventions. Only 35% of schools reported adequate implementation of cariology concepts in the clinics. **Conclusion:** Although there is some variation in content/evidence being taught, one of the biggest problems identified was the perception that didactic content was not adequately being translated into clinical teaching experiences, which could have a significant impact on students’ learning.

### VI. Old business:

Working group reports: Committee reports

a. **National CAMBRA** – M. Wolff stated that three coalitions communicate regularly with each other and risk assessment is adopted by all three groups.

**Regional CAMBRA groups:**

- **Western Regional CAMBRA** - D. Young
The meeting was held in August in San Diego one day before WCMID meeting. Currently there is an effort to come up with a universal CRA form in cooperation with COHRI also working on improving wording of the disease indicators.

**Eastern Regional group** – M. Wolff
The Northeastern Regional Board has participated in the Eastern regional groups annual meeting. As a result of these interactions, and other events, the NERB now only accepts lesions penetrating the DEJ for restoration during the examination. In addition, NERB now accepts conservative restorations and composites as part of the examination.

Central Regional group - M. Fontana
The meeting was held with the Academy of Operative dentistry in Chicago in February of 2012.

b. Terminology/Curriculum – M. Fontana
The terminology paper was published in April or May 2011.

c. Allied Health – Michelle Hurlbutt was unable to attend the meeting but, sent her report via e-mail. The Allied Health group continues to provide workshops for dental hygiene educators. At the upcoming American Dental Hygienists' Association, a CAMBRA implementation workshop will be held on Friday, June 15. Michelle Hurlbutt, Brian Novy and Debi Gerger will be facilitating this workshop. In addition, another $10,000 grant has been received from Philips Sonicare to host workshops for the 2012 year. If dental or dental hygiene programs would like to host an educator's workshop for schools in their region, please contact Michelle Hurlbutt at: mhurlbutt@llu.edu

d. Foundational Knowledge - M. Wolf----NO Comments

e. Community of interest Website - Jodi Kodish-Stav was not present

VII. New business:
a. Elections of new officers:
D. Horlak – Chair
S. Djordjevic – Chair-Elect
Secretary:
There were several self- nominations from the floor for secretary position:
Andrew Schenkel (NYU), Sandra-Farah Franco (Western Univ.), S. Guzman-Armstrong (Univ. Iowa) and Sandra Brener (NSU)
Voting results: Sandra Guzman-Armstrong was chosen for the secretary position

VIII. 2013 Program planning
There is a plan to do a joint program with the Operative and Biomaterials Section for next year’s ADEA meeting. Margherita Fontana will contact Dr. K. Ekstrand, to give a presentation. The groups plan to jointly put together a proposal for funding to the ADEA COS and submit by the deadline April 23, 12.

IX. Announcements
Mark Wolff thanked Stan Sharples for all of the hard work and his dedication to the cause over the past year.

X. Adjournment: meeting was adjourned at 8:25 AM