

**Minutes of the ASCE EWRI Education and Research Council**

8 February 2003, Reston, VA

*(Held as part of 2003 EWRI Council Weekend)***Attendees**

Joe Orlins (acting chair, for John Finnie), Otto Helweg, Joe Malina

**Agenda and Minutes**

The general agenda outlined by EWRI staff was approved.

**Membership**

There was brief discussion regarding membership on the Council. Currently, there are 24 individuals listed on the Council roster. Of these, 11 were in attendance at the Council Weekend, but only 3 could attend the meeting of THIS Council, due to the fact that many individuals sit on more than one council. In addition, 10 Council members did not appear to reply to EWRI staff regarding their attendance at the Council Weekend. It was suggested that individuals listed on the membership roster be contacted, to verify their desire to continue participation in Council activities.

**Budget**

There is budget available for another meeting of the Education and Research Council, to be held at the 2003 Congress in Philadelphia. Meeting dates are tentatively scheduled for Saturday and Sunday, June 21 & 22. More details on specific times and rooms will be forthcoming.

**Old Business**

The following items were discussed:

- Standing Committee on Education of Future EWR Professionals: Cassie Klumpp of the United States Bureau of Reclamation (USBR) is now chair of the committee, with Don Frevert Vice-Chair / Secretary. Past Chair Margaret Petersen distributed a packet to committee members dated September 30, 2002, with various media clippings and Internet resources.
- Possible TC on Teaching on the Web: suggested by Otto Helweg at 2001 meeting in Orlando. In addition, Rafael Quimpo was to report back to the Council on the United Engineering Foundation Conference on frontiers in engineering education, in particular, the state-of-the-art in electronic teaching methods. In Raphael's absence, no action was taken by the Council at this meeting.
- Possible TC on Research Needs for the 21<sup>st</sup> Century: Peggy Johnson has agreed to create a survey / questionnaire to solicit input and feedback from all EWRI Councils regarding

this topic. The goal is to have the survey available prior to the 2003 EWRI Congress in Philadelphia, and use this input to create a white paper on the subject.

- Jay Fredrich's concept of a publication similar to *Sons of Martha* aimed at middle school and high school students: no action taken.
- David Brandes and Joe Orlins are co-chairing two tracks for the Philadelphia EWRI Congress (2003). The first is on new instructional methods or case studies in Environmental and Water Resources Engineering at the undergraduate level. The second is targeted at incorporating engineering education at the K-12 level. Over 20 abstracts were submitted for these two sessions. Eight were selected for oral presentation, and a number of others were selected for the alternate poster presentation session.
- Bud Viessman will consider developing a panel discussion for the Philadelphia Congress on the value of continuing education. It was decided that this was a topic more appropriate for the Continuing Education Council to address, so no action was taken.

### **New Business**

The members present raised the question of the Education and Research Council's charge and purpose. This should be clarified, in consultation with EWRI staff.

Otto and Joe Malina raised the question of how this Council is to interact with ASCE Education Activities Committee (EdAC) and other ASCE Institutes. Conrad Keyes has indicated his desire to stay on the TC to facilitate this discussion. According to Conrad, "This ASCE EdAC is very much interested in ... operations [of the TC on Education of Future E&WR Professionals] and can also provide you with many other things about the education of E&WR professionals; BUT only through the BS & MS programs."

The question was raised about duplication of efforts among Councils within EWRI, such as Education and Research, Continuing Education, and Student and New Professional Activities, as well as interaction with other professional organizations, such as the International Water Association (IWA).

After some discussion, the following action items and specific tasks were developed:

- Otto Helweg will clarify interaction with EdAC and other ASCE Institutes
- John Finnie (in absentia) will clarify the mission and charge of the Education and Research Council
- John Finnie (in absentia) will address issues with membership on the Council
- Joe Orlins will investigate learning resources similar to the West Point Bridge Design software that are appropriate for Environmental and Water Resources Engineering education

- Peggy Johnson will create a survey questionnaire regarding Research Needs for the 21<sup>st</sup> Century, to be reviewed by the Council prior to distribution at the 2003 Congress in Philadelphia
- Joe Malina will investigate the possibility of this Council having interaction with the IWA regarding environmental education.

### **Future Meetings**

It is anticipated that the next meeting of the Council will be held at the EWRI Philadelphia Congress in June 2003.

The meeting was adjourned at 1:30 PM

Respectfully submitted:

Joseph Orlins