

Minutes of Oct 22 JEC Meeting

Attendees- Engineers

Gary Hanson IIE	Dewey Butts ASQ	Milisa Suckow ASQ	Sharon Lappin SWE
Bob Hanlin ASM	Pat Mizik ASM	Hope Piuck SAE	Dibika Khandelwal – guest
Gary Martinette MSPE	Bob Irvbine AICheE	Ron Petering ECKC	Bob Skach SAME
Mike Miller AFE	Ray Chen AFE	Chester Bender ASCE	Jim Berard IEEE
Chris Gry s AFE	Carol Anderson ASCE	Edra Brashear ASCE	

-Teachers (SMSD)

Sharron Spence – Science coordinator	Wendy Thill - teacher	Janet Mark – Educ. Foundation	Georgia Smith – Sunflower Elem
Donna Shawn - Carrerr resource tech specialist	Christine Garrett - teacher	Amanda Jesse 5 th grade Roeland Park Elem.	Janis Taylor – Ray Marsh Elem

NAMES in BOLD TEXT indicates steering committee volunteer.

Meeting called to order at 5:30 at Waid’s Restaurant by Pat Mizik. Minutes of last meeting were read & approved.

Bob Irvine gave a quick treasurer’s report, and made a motion for JEC to pay for school district peoples meal. Seconded & approved.

School district members & JEC members participated in small group discussions at their dinner table concerning school/student needs &/or wants from JEC/Engineers.

Following dinner, discussed SERVE program & what JEC can do to assist schools & inform students about engineering disciplines.

SERVE steering committee: See above for membership. Will try to get JCCC or UMKC involved as well.

Committee to make monthly reports to JEC, and present tentative program, thoughts, etc. available (end of school year program) April – May 2002 timeframe for wider publication.

Publicized web site address, www.jec-kc.com, discussed information pertaining to students available on site, & introduced Mike Miller, web master, & thanked him for his efforts. Mike has created a SERVE link page with links to national organization’s student interest sites.

Questions JEC asked to school district people:

1. Why do students choose a tentative career & when?
2. What do schools & students need at various age levels?

Pat asked if JEC could furnish a list of JEC members that would be willing to make school presentations. Suggest that we publicize this need in the JEC minutes which will be sent to JEC member Presidents & Representatives as well as on the JEC web site. Further discussions regarding getting corporate support to allow engineers to have time off for community service. Also discussed getting a sponsor to maintain database, or anchor the system.

Carol Anderson, ASCE, has a program in place to go 150 classrooms in celebration of Civil Engineering’s 150th Anniversary.

Jim Berard announced that IEEE was having a conference during Engineer’s week.

Pat requested volunteers to form a nominating committee for JEC officers/board members. Please contact Pat with names.

Probably no November meeting, next meeting December.

Submitted by Gary Hanson,
IIE Rep& JEC secretary.

President's Post meeting Comments & Updates

I apologize for the disorganization but, I'm busy at work, so I have "cut and pasted" a few email replies that I have sent out since the meeting. I would like to thank all teachers and engineers for attending. I think we got off to a good and realistic start.

POST MEETING DEVELOPMENTS

My overwhelming response from the meeting was that both engineers and teachers are excited about this. The engineers were not sure what the program will become, but my feeling is that it should be a "pull program" from the teachers.

- Will work with Science Pioneers on some of their established programs. To see what they offer go to www.spioneers.com
- Tim Frenzel, Program Director, Sci. Pioneers will work with us on getting some engineers into their existing programs that are heavily Life Sciences oriented.
- See their web site for these programs.
- Some of the teachers' aid programs at Science Pioneers were developed in cooperation with SMSD.
- Science Pioneers has a full time and part time staff, and corporate sponsors. Their resources may allow them to host the engineer volunteer data base.

SHORT TERM

SMSD will serve as the JEC pilot program for the 2001-02 school year, because:

- Due to the lack of volunteers.
- Uncertainty about the program and what it should include.
- Program introduction after the school year started
- Lack of responses from schools other than Shawnee Mission.

- SMSD will be heavily involved in ASCE's Bridge Building and their 150th anniv. project to visit 150 class rooms.

- JEC will support SMSD in Career nights, & career panel discussions.

Beyond that JEC has not committed other resources to SERVE until May 2002.

My discussion with Tim Frenzel at Science Pioneers leads us to the following:

Two programs look to be similar to some of our efforts. The first is the "Professional Mentor Program". This program incorporates a technological professional into many aspects from classroom visits, to science fair mentoring, to allowing a teacher to visit the work place in the summer to understand more about science and technology.

Secondly is their Saturday morning science seminars for students (7-12th grade). Both of these look to be very life science oriented. I had suggested to Tim that this Saturday program could be an opportunity to offer two seminars at the same time. One Life sciences, and the other engineering oriented. Maybe kids could get their friends to come along if they have a choice of programs.

Other programs that can maybe use our help seem to be:

- 1.) Science Wise Kickoff & short courses -

Helps teachers learn innovative ways to teach science & math.

- 2.) Mentoring for teachers. They have a directory already available.

- 3.) Expanding Your horizons - Young women 6-8th grade. Keep them interested in technology!!

Sharon Lappin- Does SWE already help with this???

Excluding the programs that Science Pioneers already coordinates, that would pretty much leave Career nights, Science Family night, and Science Project mentoring. As always, JEC's main objective is to promote existing programs, and cooperate with member organizations.

I am looking for volunteers for SMSD career night discussion on engineering in December. Contact myself or Sharron Spence (sharronspence@smsd.org) if interested.

The JEC SERVE steering committee has invited Tim to the first meeting on Nov. 19.

Pat Mizik
2001 JEC president