

President's Commission on Teacher Education

March 4, 2010

7:30 a.m. – 9:30 a.m.

Foundation Board Room

Present: David Andrews, Paul Beare, William Covino, John Cruz, Jody Daughtry, Diana Dille, Carol Fry Bohlin, Luz Gonzalez, Ken Magdaleno, Jim Marshall, Sherri Nakashima, Lisa Nyberg, Andrew Rogerson, Vida Samiian, Janell Tatsumura, Colleen Torgerson

I. Welcome – Dr. William Covino convening

II. Meeting minute additions will be re-sent

III. Campus/CSU Budget

We are paying close attention to what the Legislature is doing. The Budget Summit on campus produced many recommendations and responses and those will be posted soon. An additional \$8.5 million reduction next year is eminent. A \$2.9 million stimulus fund infusion has been granted to us as a one-time allocation. We are, of course, happy to have the one-time allocation but we will continue to push forward.

Agenda item IV (Science and Math) and VII (STEM) are closely related so their reports will be combined

IV. & VII. Advancing Student Interest in Science and Mathematics

MSTI: Carol Fry Bohlin reported that the Mathematics and Science Teacher Initiative (MSTI) was funded for \$125,000 this year, a significant increase over last year because of the increase in number of math/science credentials produced from AY 07 to AY 08. MSTI is a Chancellor's Office program designed to increase the number of math and science teachers produced by CSU campuses.

To help current teachers earn Single Subject math and science credentials, MSTI is continuing to sponsor a series of high quality math and science content workshops this spring and summer free of charge or for just \$25. These workshops are helping teachers pass the CSETs (i.e., Mathematics CSET Subtests I, II, and III; Science CSET Subtests I, II, III, and IV in all areas of science) required to demonstrate subject matter competency for a particular credential (math or science). Over 200 teachers have registered for a MSTI-sponsored workshop during the past year.

MSTI is sponsoring the development and delivery of the campus's first middle school science and math methods course this summer. Thirty prospective middle school math and science teachers have already expressed an interest in taking this class. Many of these are current teachers holding Multiple Subject credentials. Last summer, MSTI sponsored the development and delivery of a middle school math methods course (nearly 60 teachers registered for this course). A section of

this course (CI 161) is now being offered stateside during spring semester and is quite popular with Liberal Studies majors.

Visit the MSTI Web site for a list of dates, times, and locations of these workshops, as well as more information about the CSET, credentials, news releases, contact info, and much more: <http://csufresno.edu/teachmathscience>

Together with LCOE, CSM, and KSOEHD, MSTI co-sponsored last month's MATHCOUNTS competition for middle school students held in the Satellite Student Union. Carol Fry Bohlin addressed the MATHCOUNTS students and over 500 students in attendance at the MESA Saturday Academy last month, stressing the importance of taking as many math and science courses as possible throughout high school and college to keep many career doors open, and to especially consider careers in math or science teaching.

In partnership with the Office of Teacher Recruitment, MSTI sponsored a NASA/Ames Research Center Preview Day for over 25 Liberal Studies and Math/Science majors on February 8 to help recruit students to attend the NASA Ames Research Center Pre-Service Teacher Institute on June 13-25 (see <http://education.csufresno.edu> for a photo & info).

MSTI/Teaching Fellows STEM Teams are working in afterschool programs at Terronez Middle School and Washington Colony Middle School to give students hands-on experience in STEM activities (e.g., build a remote-controlled plane, mount cameras on the plane, set up transmission from plane-mounted camera to ground control, and capture video from the plane in flight).

MSTI/Teaching Fellows Math Experience in High Needs Schools: Teams of liberal studies and math/science majors will receive training on effective math teaching/tutoring strategies and use these to help students prepare for the state tests later this semester.

SJVMP: Carol Fry Bohlin reported that the San Joaquin Valley Mathematics Project is planning a Summer Leadership Institute on July 2-16, with the first week being held at Three Rivers (residential) and the second week being held on campus and having a STEM focus (a partnership with the Lyles College of Engineering).

Foundational-Level Credentials in Math and Science: Carol Fry Bohlin reported that later this morning, the California Commission on Teacher Credentialing will be revisiting the subject matter requirements for a waiver program in Foundational-Level Mathematics (FLM) and in Foundational-Level General Science (FLGS). CTC is discussing lowering the number of units currently required for the subject matter requirement from 45 to 32, with 20 being in math (or science) and 12 units in affiliated courses (including, perhaps, engineering). To date, no university has an approved subject matter waiver program for the FLM or FLGS. There is interest in pursuing the development of an FLM

credential to help increase the number of highly-qualified middle school math teachers in our Valley.

California STEM Innovation Network

SMTI: Fresno State is listed in the 2010 Annual Report of APLU's Science and Mathematics Teacher Imperative (SMTI) as one of 40 institutions nationally to commit to at least doubling the number of mathematics and science teachers prepared annually (<http://www.aplu.org/NetCommunity/Document.Doc?id=2057>)

Carol Fry Bohlin is Fresno State's liaison to APLU's SMTI, the nation's largest effort to increase the number of mathematics and science teachers. California State University President John Welty joined 78 other leaders of public research universities or university systems across the nation (SMTI members) in a letter to President Barack Obama pledging to substantially increase the number of high-quality mathematics and science teachers that our university prepares.

Related articles:

- "Science and Math Teachers Needed" in *The Collegian* on February 3, 2010
<http://collegian.csufresno.edu/2010/02/17/science-and-math-teachers-needed/>
- "Welty Pledges University will Train More Science, Math Teachers" in *Fresno State News* on February 17, 2010
<http://www.fresnostatenews.com/2010/02/science-math-teachers/>

Carol Fry Bohlin chaired MSTI sessions at 3 conferences over the past few months and was asked by the Chancellor's Office to take a leadership role in coordinating a MSTI presentation at this June's SMTI Conference in Cincinnati, OH. Presentation files and photos from all 5 MSTI presentations (2008-2010) can be viewed on the MSTI Web site at <http://csufresno.edu/teachmathscience/conferences.html>

- V. **CALSA**: Ken Magdaleno: California Association of Latino Superintendents and Administrators. CALSA will reach 800 members by the end of this year. Last year they signed a MOU with CVELI to address issues of Latino students and administrators. ELL are generally supported more than 2nd generation students so they are focusing on both of them. Next Friday at UCLA they are holding their first annual research to practice conclave (handout), focusing on 9 areas of research to study. The conclave will listen to the research then the panels will address the issues. The next ones will be held at UC Davis, Merced, UCSB and they are hoping the CSUs will also come on board. They were hoping for 100 people and now have up to 160. School districts from around the state are bringing teams of people.

Focus on Results – January in Monterrey (handout). This allows educational leaders the opportunity to influence the development, refinement and delivery of the products and services entering the educational setting in the U.S. so that those products and services can best meet the needs of Latino children.

Ken developed the mentoring program in 2004 and membership has steadily increased over the years. Funding from sponsor partners pays for assistant principals and principals to attend the program. An alum of the program was recently appointed to the Obama administration.

Center for Latino Leadership and Research – mentoring program, nine CSU professors who are now involved in research www.calsa.org. There are many strong leaders they are mentoring and supporting. Ken said, “To listen to those young folks from all over the state was inspiring.”

Jim Marshall included that the Exxon Mobil program is looking for Spanish speaking engineering students. Lisa Nyberg commented if we really want to institute change, we need to get educators and administrators together.

Carol Fry Bohlin suggested to include ELL resources and links to programs like todos.math.org

VI. Richardson Forum Final Report: Bill Covino – we are in line with what Texas seems to be discovering and are looking at measurable university goals. The emailed document is for you to review and discuss.

P. Beare said we follow every mandate we can find in the preparation of teachers to fine tune where we score low. This is happening throughout the CSU’s and what we are finding is we are not affecting education for minority students overall. There is a huge gap and we are producing teachers and they are doing great but it is not good enough for the minority students. We need to figure this out. The figure that astounds him is that 67% of California students will grow up and need remediation to attend a CSU.

Ken Magdaleno read a report by Tyrone Howard, which stated: in 2006 there were more African American males in prison than in higher education (almost 1 million). The figures are astounding. Ben Andrade, principal at Clovis West High School, has an emotional connection to this dilemma. We are so accustomed to doing the same thing, but this problem needs to be addressed younger than middle school. “The pyramid is upside down” with attention to middle school and high school being more prevalent than elementary schools.

Paul Beare said, “Students need to see someone who look like them.” – a quote from an associate of his. Kids need to be able to identify with someone when they come to school. Clemsen has the best program (‘Call Me Mister’) in the country. Maurine Jones brought a wealthy individual to Paul Beare’s office and this individual agreed to commit to addressing this issue with African American males.

Ken Magdaleno commented that sometimes we are our own worst enemies. Our teachers are generally white females so we are reliant on them to best handle connecting to young African American males.

Luz Gonzalez said, “we launched a full-court press to increase minority presence in the 90s and we were getting a lot of kids and they were going into the faculty mentoring program and they were given to a faculty member for mentoring. Multiculturalism disappeared for some reason. There used to be greater outreach.”

Diana Dille shared an emotional story about one young man who applied for school and was picked up on murder charges and is now in jail. These kids are living in two worlds. We cannot take care of them when they leave school.

Dr. Welty recently participated in the CSU Super Sunday event, which reaches out to African American churches.

Lisa Nyberg said, “if you don’t have those strong learning environments at an elementary level, they’ll drop out by the time they go to secondary education. We need to keep these kids in the pipeline.”

Carol Fry Bohlin referenced the Harlem Village Academies. They are bringing up the achievement of African American students and one impressive mention is that they do not tell the teachers exactly what to do; they have empowered teachers as professionals to determine the best ways to reach out to their students. Scripted education develops a different type of relationship.

Ken Magdaleno said Steve Perry, a CNN educational analyst, came and spoke to Clovis Unified and chastised them for not doing more for the kids in poor areas of the city.

John Cruz commented, “you are painting a pretty poor picture.” He encourages higher education to go out and see the good that is going on and ask the right questions and give people the opportunity to show you what they are doing. It is not as dire as you think. It is a challenge but there are a lot of people doing very good things out there. You, will of course, see the struggles.

Carol Fry Bohlin mentioned MESA is doing great things for minority students. It is out in the schools and we know what is going on.

VIII. Suggested agenda items:

Could this committee maybe facilitate going out into schools and *increase our participation in the school district levels?*

Vida Samiian said this discussion started with CALSA, which focuses primarily on administration. Of course, great things are happening out there at the elementary level. *What are the programs that address elementary issues? Are there any?*

Lisa Nyberg suggested *we should hold these meetings out at the school districts.*

Carol Fry Bohlin said we should be *discussing after school programs* and the “other world” high risk students live in. Her church has a very active program for these types of children.

Paul Beare shared that unlike other states in which students can spend time in schools during their undergraduate program, California credential programs, by mandate, must be completed in a year and that allows so little time at the schools. We have found the after school programs are a very good fit for students planning to be teachers to enter programs that assist in eligibility for their financial and fit their scheduling issues.

Dianna Dille reflected on a student’s inspirational story of going to higher education because of a teacher who spent the time to reach out to her. Working with children at the elementary level is powerful.

Jim Marshall appreciates John Cruz’s comments and suggested “*Shadow a principal for a day...shadow a principal who is finding success.*”

Ken Magdaleno suggested, *along with visiting the schools who are successful, we should visit the schools who are failing so we can get both sides of the picture.*

Carol Fry Bohlin said it would be useful to *see what professional learning communities* are out there.

It was also suggested to *change the meeting time as the current time makes it difficult for school district administration to attend.*

More community college involvement was also encouraged.

Meeting adjourned at 9:13 a.m.