

GCPTA MEETING MINUTES

Hobby Hilton – Houston, Texas

Date: Friday, January 27, 2006

Time: 9:00 am – 1:00 pm

Steve Erickson opened the business meeting and welcomed everyone in attendance. There were 51 members and guests in attendance. Introductions were given by all in attendance.

Approval of Last Meeting Minutes – Minutes of the November 11, 2005 meeting were approved as written on January 27, 2006.

Subcommittee on Rules/By-Laws – Mike Kukuk

The following members were approved by the steering committee:

Voting

In-District Ken Hernandez – Houston Community College

Introduction of the Keynote Speaker Rick Smith —Steve Erickson

Steve Erickson introduced Rick Smith, Executive Vice President of Chemical Market Associates, Incorporated. Mr. Smith holds a degree in Political Science and worked in the chemical industry for Conoco Vista for 30 years. He served the industry in various capacities, including positions of both Product Manager and Plant Superintendent.

Keynote Address – Rick Smith, CMAI, “Global Petrochemical Overview – The Shifting Process”

Mr. Smith presented a summation of the current state of the petrochemical industry that included demand, supply, and chain margin factors. In the global world of commerce he stated that, “strategies are at the poles.” He presented an economic outlook for the coming two-year span. Some factors that will influence this outlook are:

- Global expansion
- Tempered by energy costs and interest rates
- Sustained by long-term supporting strengths
- Impacted by high energy prices

Rick Smith's presentation is a part of these minutes.

Recognition of Endorsed Colleges—Dorothy Ortego (McNeese)/Ed Stiles (Lyondell-Citgo) Co-Chairs of Standards & Quality Committee

Ed Stiles commended the current member colleges for maintaining their endorsed status. San Jacinto College was recognized as an endorsed member for the year 2006. Mike Varnell and Paul Summers accepted the award plaque bestowed to that institution.

Budget Review – Ronnie Baker, ExxonMobil

Ronnie Baker held discussion over the 2006 projected budget and entertained questions from the members. Motion was made and carried to accept the budget as written for the coming year.

CAPT Update – Joanna Perkins

Joanna gave a presentation on sub-award “Best Practices.” She advised the members to focus on the thought process of getting students to think about a career in Process Technology. All information can be found on the CAPT Website and can be used as needed without copyright issues.

The STeP Institute is a huge success! The “How- to” guide can be found on the Website. Here are some tips that worked.

- Use your advisory board
- Have a champion at each school
- Newspaper ads are costly
- Keep someone in front of the students
- Flyers to parents – increase enrollment (churches, sports, grocery stores, etc.)

- Place advertisement for camp on school web sites
- Talk it up!!

Assessment Update

Chemical/refining assessment will be available online for May 2006 graduates. CAPT is currently piloting the Oil and Gas Production assessment.

Textbooks

The Introduction to Process Technology textbook is available for order from Pearson Custom Publishing, ISBN # 0-536-10750-5.

Safety, Health and Environment (SHE) Textbook will be ready for Fall 2006.

Instrumentation Textbook is also available from Pearson Custom Publishing, ISBN # 0-536-85949-3.

Professional Development Opportunities

BP has provided funding for an Alaska Summer Faculty Institute July 17 – 22, 2006. **Please note that the deadline for applying is February 20, 2006.**

Faculty that participated in the 2005 BP Alaska Summer Faculty Institute will participate in a separate Faculty Summer Institute to be held at the Kenai Peninsula College July 17 – 21, 2006. If you have any questions please contact Merv Treigle.

Shell has provided funding to help sponsor two (2) Faculty Oil and Gas Production Workshops at the Shell Oil Robert, Louisiana facility. The first workshop will be held on March 13 – 14, 2006. The second workshop will be held June 1 – 2, 2006. **Please note that the deadline for applying for the first workshop is February 17, 2006. Please note that the deadline for applying for the second workshop is March 17, 2006.** If you have any questions please direct those to Merv Treigle.

Critical Issues and Best Practices Conference

October 4 -6, 2006 in Houston, Texas at South Shore Harbour Resort.

Interested in helping to plan the pre-conference agenda? Please contact Merv at mtreigle@com.edu.

Student Scholarships/Internships

BP summer internships must be applied for online at www.bp.com/careers/us by March 1.

Shell internships must be applied for online at www.Lstaff.com/shell by March 15.

The deadline for all of the scholarship materials to be received in the CAPT office is April 1. All of the details are posted on the CAPT Website. These scholarships are being sponsored this year by BP, The Dow Chemical Company, Producers Assistance Corporation (PAC), and Shell Oil Company.

CAPT staff will be visiting campuses in Texas and Louisiana the last two weeks of February encouraging students to apply for scholarships and internships.

CAPT Funded Activities

CAPT will fund 11 STeP Institutes for high school females, 3 Teacher/Counselor Open Houses, 5 Parent/Student Open Houses and 2 Career Awareness Workshops for Middle School Teachers. Furthermore, Shell Oil has donated funds for 1 Career Awareness Workshop and BP for 2 STeP Institutes.

Program Survey

Twenty-one programs have completed and returned the PTEC Education short survey.

This leaves 17 programs that still need to complete the surveys **now**. Please fax or e-mail the completed surveys to Merv Treigle (mtreigle@com.edu).

Other News

Monthly Math Mania is now available as part of the Virtual Chemical Plant site under the "Teachers' Corner". Encourage your middle school contacts to visit this classroom activity developed from USA Today Snapshots at <http://capt.com.edu/virtualchemplant/>.

Students on 23 different campuses completed the Career Choice Survey for a total of 836 returned questionnaires, out of an estimated fall enrollment population of 1,343 first year students.

Summary reports were produced for each participating campus, and an overall report for all of the campuses was produced by Noel-Levitz and posted on the CAPT Website.

This report will be posted on the CAPT Website in early February.

CAPT HAS INCORPORATED!!!

For further information...

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Recognition – Steve Ames

Steve Ames recognized Shell Production for their continuing support of the Gulf Coast Process Technology Alliance. Monte King and Evette Torres presented a check to the Alliance and Steve in the amount of \$10,000.00 to be used to help further PTEC education. Mr. King expressed the importance of “getting the word out about jobs/careers in process technology.” Ms. Torres commended Steve Erickson for his work at career fairs to educate and entice students into the field of Process Technology through his explanation of the Process Technician’s work. Steve Erickson, in turn, commended John Payne and Bill Raley for their continued help in bringing new members into the GCPTA.

Subawards – Steve Erickson

Steve informed the attendees that sub-awards had been given to the following colleges.

STeP Institute

- Texas State Technical College Marshall, Texas
- Brazosport College
- Lamar Institute of Technology
- McNeese State University

Teacher/Counselor Open House

- Wharton County Junior College
- Louisiana Technical College—Ascension Campus
- Louisiana Technical College—River Parishes
- Alvin Community College

Membership input (2006 goals & objectives) – Mike Kukuk

The Executive Committee is holding a vision meeting on May 4th to discuss the direction of this organization. We need your input to help us reflect the needs and wants of the Steering Committee. Each table of members brainstormed three (3) primary items/topics that would be used in the vision meeting to help determine objectives for the organization. Mike recognized the vendor table as having viable input to this process.

The brainstormed ideas will be reviewed by the EXCO at the vision meeting and have them available to the steering committee at the May 5th meeting.

Public Affairs Committee – Ronnie Baker

Ronnie Baker discussed changes to our Public Relations plan for the future. Instead of contacting Human Resources and Plant Managers, we will create a brochure that spells out our Alliance objectives and highlights the products and services we offer. Printing and distribution of this brochure will be discussed further by the committee members and reported back to the Steering Committee.

Curriculum & Education Committee – Martha McKinley

Martha McKinley discussed the continued focus of the committee for the year 2005 and 2006. Textbooks, textbooks, and more textbooks! Work continues on the SHE textbook and the deadline for completion is April 1st. Work with CAPT will begin on the next textbook when the course selection is complete.

CAPT incorporation to 501(c) (3) organization – John Payne

John Payne, Chairman of the CAPT Steering Committee, informed the members that CAPT was beginning the process of incorporation to become a 50(c)(3) organization. This change is a stipulation placed upon CAPT as a part of the National Science Foundation's grant given to the Center.

College Advisory Reports

Mississippi Gulf Coast Community College – Tommie Broome reported the following:

25 students enrolled
4 expected graduates in Dec 05/6 May 06
2 students on scholarships
Comments:

Terry Hamilton (May 06 graduate) is receiving Shell Scholarship.
Maggie Caplin (May 07 graduate) is receiving Honors Scholarship.

Student Organization Activities:

Skills USA

New Equipment:

Attached announcement from Mississippi Power about equipment donations. We are proceeding with plan to remodel existing LabVolt Lab equipment (repairs and revamp). Still talking about the possibility of building mobile or maybe fixed training module. New equipment from Bayport Technical—Working model of Cooling Tower, kettle reboiler and thermosiphon reboiler.

Advisory Committee Meetings:

Advisory meetings off track because of Hurricane Katrina, but expect to resume schedule in spring.

Houston Community College – Kenneth Hernandez reported the following:

40 students enrolled (registration is still going on)
13 expected graduates
1 student in Interns/Coops
5 students on scholarship

Comments:

BCM Industries

High School P/Tech Programs:

25 students participating
1 high school participating

Comments:

Continuing efforts for more dual credit classes throughout HCC service area via scheduled presentations and H.S. visitations to HCC campuses.

New Equipment:

PLC Controllers -Intelitec
Boiler Simulation Unit-Hampden

Advisory Committee Meetings:

Scheduled to meet February 9, 2006

Hot Topics:

New Building Plans
Rule on 3-Peaters
Honors Program

New Best Practice:

More coordination with Pure Sciences leading to collaboration efforts to assist all programs.
New articulation discussions with 4-year institutes.

Texas State Technical College-Marshall, TX – Bobby Smith reported the following:

21 students enrolled
2 expected graduates
0 students in Interns/Coops
2 students on Scholarship

Comments:

We were unable to place any Coops this semester. We have several students starting their second semester and will be working to find Coop opportunities for them.

Advisory Committee Meetings:

Met October 27, 2005

Scheduled to meet January 26, 2006

Hot Topics:

Updating of mission statement.

Development of vision statement.

Increasing membership on advisory committee.

Alvin Community College – Mark Demark reported the following:

121 students enrolled

20 expected graduates

1 student in Interns/Coops

2 students on scholarships

Comments:

Educating students on: (1) how to apply for scholarships; (2) value of internships; and (3) how CAPT can help

Student Organization Activities:

Students will be participating in our Process Technology Spring and Fall Forums and Summer Open House.

High School PTech Programs:

0 students participating

0 high school participating

Comments:

No TechPrep programs in Process Technology have been established with high schools in our service area. We are using the Process Technology Forums and Summer Open House to create interest.

New Equipment:

Over the Winter Break, we have constructed several physics experiments: Exercise Bike Power Generation; Gravity Experiment "Shoot The Bear"; Jacob's Ladder; Density Diver: Vortex Breakers; and Angular Momentum

Advisory Committee Meetings:

Met December 14, 2005

Scheduled to meet March 8, 2006

Hot Topics:

MC International Research Gas-to-Liquids Pilot Plant

Approval of Vision, Mission & Strategy

Role of the Advisory Committee by Tim Brown, Chairman of Bayport Training & Technology Center

New Best Practice:

"Project Interview" being worked into class agenda

Upcoming Events:

Project Interview: November 8, 2005

Approve Vision, Mission and Objectives

Del Mar College – Denise Rector reported the following:

62 students enrolled

5 expected graduates

3 students in Interns/Coops

1 student on scholarship

Comments:

Valero and Flint Hills are providing students with internship opportunities. Flint Hills is also working on offering scholarships to local high school students who would attend Del Mar College, majoring in Process Technology.

Advisory Committee Meetings:

Scheduled to meet-To be announced

Hot Topics:

The committee will work to address all of the findings of the recent program audit.

Upcoming Events:

Career Day at Tuloso-Midway High School in February and the South Texas Career Expo at Kingsville in late March. The Kingsville expo invites students from the Coastal Bend to the Valley area, with over 1000 students participating.

SOWELA Technical Community College – Linton Lecompte reported the following:

255 students enrolled (Spring 2006)

23 expected graduates (Fall 2005) plus 12 (Summer Semester) for a total of 35

0 students in Interns/Coops

0 students on scholarships

Comments:

We have eight seniors in our Spring 2006 semester and we expect all to complete their degree requirements. We have about 100 plus first semester students.

We had a student (Cindy Winch) who participated in the Shell internship Summer 2005, completed degree in the fall of 2005 and is currently working for Shell Offshore.

We expect a couple more Internships this summer; we have about six students that are very interested.

Student Organization Activities:

Our students participate in our student government association and hold several positions (offices).

High School PTech Programs:

Comments:

We do have a Tech Prep program, where students are allowed to earn dual credits, High School and College.

Our Tech Prep Program is in place, however, we do not have any PTEC students participating.

New Equipment:

Our equipment is not new, however it survived the storm and all is in very good shape. And, I must add, it's used every day. Our equipment (Cut-A-Ways, etc.) makes a world of difference in the classroom.

Advisory Committee Meetings:

Hot Topics:

I actually missed the meeting, but I know the priority subject would have been **ENROLLMENT!!!** SOWELA is doing very well in this area. PTEC ENROLLMENT at SOWELA Spring 2006 is about 255 plus. This is a record for Spring Enrollment.

New Best Practice:

This is not new, but I must mention PTEC at SOWELA is doing very well and a lot of it is due to our local Advisory Board/Industry providing a facility that allowed us to complete the Fall 2005 semester. We are back on campus!!!

Most recently, Linton Lecompte, Ernest Duhon, Cheryl Trahan, and Phil Ward attended a web class workshop facilitated by CAPT/John Dees. Both Phil and Ernest are facilitating web classes this semester. This was a real success. THANKS to ALL. Web Classes are doing very well at SOWELA.

Upcoming Events:

We have been awarded the funds to put on a Girl's Camp this summer. I need to identify when school ends. I would like to schedule it for the very first week of the students' summer break.

San Jacinto Community College — Mike Speegle reported the following:

241 students enrolled

16 expected graduates

2 students in Interns/Coops

12 students on scholarships

Comments:

8 students received \$500 scholarships from Lubrizol; 4 female students received special \$1,000 scholarships from Lubrizol

High School PTech Programs:

Comments:

Consulting with Pasadena High School about dual credit courses. Dean Steve Horton is pursuing this endeavor.

New Equipment:

Purchased a 10 gallon stirred batch reactor in October. Will connect pumps, instrumentation, and piping. Hope to have available for hands-on training by summer 2006.

Built and have working "tool trainer" unit which will be used to teach students how to recognize certain tools and use them to change out gaskets, filters, and valves on piping.

Updated web site for process technology and brochure.

Advisory Committee Meetings:

Met November 30, 2005

Scheduled to Meet February 15, 2006

Hot Topics:

Department audit (technical program review) was completed in September and submitted.

Dual credit courses between high school and college

New Best Practice:

Department held a female summer institute on June 10-11th, sponsored by Shell Oil. Twenty-three ladies attended, six enrolled in process technology at the end of the second day of the institute. Shell has agreed to sponsor another female summer institute in 2006.

Louisiana Technical College-Ascension Campus – Cleveland J. Marchand, Jr. reported the following:

48 students enrolled

2 expected graduates

1 student in Interns/Coops

7 students on scholarships

Comments:

Local industry gave \$27,000 towards P-TEC scholarships. Five of the eight scholarships given started attending LTC, Ascension Campus.

Student Organization Activities:

Working on Skills USA; involved with SGA

High School PTech Programs:

11 students participating

1 high school participating

Started with 16 students; now have 11 in PTEC 101 class.

New Equipment:

"Glass labs" simulation

Advisory Committee Meetings:

Met January 24, 2006

Scheduled to meet March 14, 2006

Hot Topics:

Setting goals for 2006—input from students, instructors, and Advisory Board

New Best Practice:

Working with Oil & Gas Courses

Upcoming Events:

P-Tech for Working Women and Just for Girls Newsletter

College of the Mainland – Jerry Duncan reported the following:

300 students enrolled

55-60 expected graduates

6 students in Interns/Coops

Comments:

Several of our graduates have recently received multiple job offers in the last few weeks. This may be an indication that employers are realizing the value PTEC graduates bring to their organization and are putting a premium on program graduates.

New Equipment:

The PTEC program received a substantial donation from BP, which will be used to buy simulation software, upgrade the Glycol Separation Unit, and purchase additional lab equipment. The simulation software will be integrated into several of the PTEC courses in order to strengthen the lab component of these courses.

Advisory Committee Meetings:

Met December 5, 2005
Scheduled to meet February 7, 2006

Hot Topics:

The Instrument 1 and Instrument 2 courses are being combined into one course for the 2006 fall semester. Systems will be split into 2 courses, Systems 1 and Systems 2. The additional content in Systems 2 will add more in depth lessons on distillation, reaction, filtration, absorption, adsorption, LGP, and LNG.

Delta College – Ron Good reported the following:

50 students enrolled
2 expected graduates
6 students in Interns/Coops
0 students on scholarships

Comments:

Local companies have hired co-ops and interns out of both the first year and second year of the college program. Three of the new hires are students who were in the first high school program at the college. These students received 17 articulated credits before they graduated from high school. After graduation, they continued on in the program. I appeared in a local television interview to promote the program, the Governor of Michigan toured the Dow Corning facility in Hemlock in December and asked for college process tech instructors and students to attend the tour to promote and stress the need for well-educated operators.

High School PTech Programs:

16 students participating
8 high schools participating

Comments:

The High School program changed this past fall. The first group that came through received articulated college credit. The current first-year group is actually dual-enrolled and are receiving full college-credit. They are taking the actual college material and are doing exceptionally well.

New Equipment:

Dow Corning donated four huge crates of PID controllers, valves and meters. Dow Chemical donated some cutaways of pumps and valves. MITECH + recently acquired through a donation from Dow Corning a license from Simtronics Corporation and has asked me to work with them on it.

Advisory Committee Meetings:

Met September 2005
Scheduled to meet February 2006

Hot Topics:

Recruitment and marketing. We are currently also revising the scheduled classes to try to get potential process techs through at an accelerated pace due to an increase in local hiring. Scholarships, internships, and co-op positions are always discussed.

New Best Practice:

Heavy involvement in the Great Lakes Process Technology Alliance and revising the curriculum to align with CAPT objectives. We are also incorporating Work Keys testing into the program.

Upcoming Events:

GLPTA meeting in Joliet on February 24 and an advisory board meeting in February

Lamar Institute of Technology – Harry Wood and Walter Tucker reported the following:

298 students enrolled
Expected graduates not known yet
9 students in Interns/Coops
9 students on scholarships

Comments:

Port Arthur Industries awarded \$1,500 scholarships to five students at LIT for the spring semester.

Chevron off-shore will be interviewing on February 13, 2006

DuPont and Invista will be testing in February

Lyondell/Citgo will test January 26, 2006

Job shadowing will take place during February at ExxonMobil and Invista

Project interview will be held March 22, 2006

We had 4 students participate in the Oil and Gas Exploration last semester and the same 4 are expected back this semester.

Advisory Committee Meetings:

November 10, 2005 was cancelled due to Hurricane Rita—rescheduled for February 23, 2006

New Business

Reginald Newby, Milby High School, appealed for interested parties to participate in their career fair on February 22nd and 23rd. Mr. Newby also needs volunteers to help explain the field of Process Technology during his offering of the Introduction to Process Technology course this fall.

John Payne spoke about the need to work harder in Mississippi this year to encourage attendance and participation by schools and industry in that state.

Alliance Website

Gulf Coast Process Technology Alliance Website www.gcpta.org.

Center for the Advancement of Process Technology (CAPT) Website www.capttech.org.

Contact the GCPTA at gcpta@msn.com.

Future GCPTA Meetings

Friday, May 5, 2006 in Beaumont, Texas

Friday, July 28, 2006 in Lake Charles, Louisiana

Friday, November 10, 2006 in Lake Charles, Louisiana

****** Other Events******

***(CAPT) Critical Issues & Best Practices Conference
South Shore Harbour Resort and Conference Center
October 4, 5, & 6, 2006***

October 4 Training and Development Pre-Conference

October 5 & October 6 Critical Issues and Best Practices Conference

Meeting adjourned at 1:00 p.m.

Respectfully submitted,

Mike Gragg, Secretary
Gulf Coast Process Technology Alliance

MG/mm