



**WELDING TECHNOLOGY ADVISORY COMMITTEE**  
**MEETING MINUTES**  
**Wednesday, October 28, 2015 \* 5:30 to 7:00 PM**  
**Building AA2, Room 105**

**Members Present:** Mark Stanley, Committee Chair, Columbia Machine; Steve Worden, Committee Vice Chair, BPA; Larry Stanks, BPA; Patrick Gonzales, Former Welding Instructor; Nathan Marks, Marks Brothers, Inc.; Bill Dykstra, Central Welding Products; Ron Renner, Retired Welding Instructor

**Members Absent:** Troy Brigham, PRO-TECH Industries; Bob Tafolla, BPA;

**Clark College:** Caleb White, Welding Tech Department Head/Instructor; Brian McVay, Welding Instructor; Cathy Sherick, Associate Dir. Of Instructional Planning & Innovation; Wende Fisher, Advising; Brianna Lisenbee, Career Services; Andreana DiGiorgio, Secretary Sr., Advisory Committees

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The meeting was called to order at 5:30 p.m. by Committee Chair Mark Stanley and introductions were made.

*The May 6, 2015 meeting minutes were approved as written.*

**Office of Instruction Updates**

O.O.I. Associate Director Cathy Sherick made some announcements.

**The Fall Training for Chairs & Co Chairs** took place Tuesday September 15. Tim Cook and President Knight shared a few words of encouragement and gratitude for the work of all advisory members. The PowerPoint used in the training will be posted on the Advisory Web page, go to <http://www.clark.edu/advisory>

**Ethics Training.** This is required by The SBCTC and the State of WA for all public employees, elected and appointed officials. Office of Instruction will get to members who are not in attendance to take the training and provide documentation.

**Perkins & Worker Retraining Grants**

- Perkins will be reviewed to ensure Clark is utilizing the funds in the most effective ways.  
**2015-16 Worker Retraining \$1,018,073 and 2015-16 Perkins \$607,288**
- Grant funds are allocated on Full Time Equivalents (FTE's)
- Leadership and Block grants **BEAM \$16,000 Grant:** Lucia Worthington, Business, Entrepreneur, Accounting and Management (BEAM) club for the business department  
**Innovation Grant \$3000:** Marcia Roi of the Addiction Counselor Education, utilized funding to combine recruitment of veterans with the annual Hands across the Bridge event

Brian McVay asked if Perkins dollars can be used for WABO testing. Can they use these funds for any of the supplies needed for the onsite testing? Cathy gave the various ways to find money... Small grants or some separate Perkins dollars. She told Caleb to go through Genevieve.

**The Academic Plan** is under development and will be presented to the Board of Trustees in winter term, once adopted it will be available on the web site.

**Bachelor in Applied Management (BAS).** The second four year degree program at Clark, (the first was in Dental Hygiene), is in second phase of approvals. Slated to open for students fall of 2016.

**Advisory Committee Composition** is a great place for us to engage folks from the community. While our current student body is 58% from non-dominate populations, our advisory committees are generally not as diverse. Diversity will help Clark ensure training needs of all students are met.

**April 20<sup>th</sup>, 2016 – SAVE THE DATE** – the Advisory Member Breakfast will be held to acknowledge the service so many volunteers provide to Clark students. We hope that by providing the date well in advance members can plan to be there to enjoy a great breakfast, student presentations and some networking time.

### **Director/Division Chair Report**

**Maker Center** – Caleb reported that initially the maker center (advanced manufacturing center) was going to be in addition to Clark’s technical programs, now the plan is to move towards a program whereby the community can come in and pay to do work on welding equipment. May be some safety issues. New talks about moving into a huge facility owned by SEH America, who has offered one of their buildings to Clark for basically the cost of turning on the lights. Everything is open ended right now; nothing is set in stone. Discussion about a maker center, moving, and asked for input. The SEH building is located on 162nd in East Vancouver – 130K square feet. Questions and comments about students having to take classes at more than one campus if some of the CTE programs moving out there. Clark is wanting to change curriculum so that students have a pathway for their programs. Biggest concern is moving Welding off campus and having the students far from main campus.

**New Blueprint Instructor.** Hired a new instructor, Michael Allison, over 30 years’ experience in engineering and was chief engineer at Hewlett Packard. Owns his own business. He’s bringing in geometric tolerance (GD & T). Geometric Dimensioning and Tolerancing is a symbolic language used on engineering drawings that includes a language for dimensions, tolerances, symbols, and other conventions that can be used in design. Mark said basically tells you what is and is not important. This is an industry standard, Columbia Machine is just now beginning to use. Caleb is excited to be adding this to the program.

**Year two curriculum projects.** Students will be doing fabrication projects. Some are making a c-clamp, doing layout, fit up. Another project making new welding stools. Caleb designed an adjustable stool. Students will get into pipe bending theory, among other things. Caleb will bring a finished stool to the next meeting. Patrick would like to see the Clark College Welding program and its student projects in the AWS Welding Journal. Other colleges around the country have been showcased recently and would like to see Clark showcased in an upcoming journal. Caleb said next quarter there will be a group project; a pressure vessel. I will be pressurized. Only an air test. Practical on site work Cathy suggested taking pictures for marketing purposes.

**Art Sculpture class funding.** Art Sculpture wasn’t covered through financial aid because it’s not part of a degree. However, Caleb worked with Instructor Beth Heron and reworked a little of the curriculum so that if students take all three art classes including 140 – welding and 141 fabrication, they will be financial aid eligible. Students can begin next quarter and will be able to focus on light gage sheet metal.

### **Work Plan**

The group reviewed the work plan. Main focus was on the equipment plan. Discussion followed.

**Five year plan (revised).** The equipment plan has been revised. Over the summer Caleb went to ArcLife, which does an entry level CNC Plasma. About \$10-15K for a working CNC. The CNC in the shop is working but one controller is worn out, the second is iffy, not sure how long it will last. They’re also outdated. These are difficult to repair because they can’t repair in-house; have to break it down and ship it out.

So, Caleb would like to upgrade and purchase a CNC Plasma table with Oxy/Fuel Torch. Anderson Funds are really needed. Caleb added this to the 3-year equipment plan but need funding.

Also added Office Press Brake training software. Cost breakdown is the first seat is \$950 and \$175 after that. Ten seats + \$2,525. Caleb took the committee through the equipment list. Patrick suggested putting materials on the list. Metals-stainless, aluminum. \$20K at least. Caleb added “materials” and an orbital welder.

Randy said he has stainless steel that Farwest Steel could donate. Will add orbital welder. *A motion was made support the 5-year equipment plan. The motion was seconded and approved.*

Nathan Marks suggests attending Fab Tech next year; it will be in Las Vegas so probably cheaper this year than last (Chicago). Caleb would be able to reach all the manufacturers in one shot. Will put this on Genevieve's radar. All in favor? Yes. Work Plan was updated during the meeting. For a look at the work plan, please visit the Welding Advisory web page at <http://www.clark.edu/advisory/weld/index.php>.

**New Business**

Mark Stanley - Praxair is partnered with Louisiana Community Technical College and they have a program called WISE – Workforce & Innovation for a Stronger Economy offering an opportunity to spark a new career in welding. They have a pilot in Louisiana. And now want to branch out to more colleges. And be part of their welding programs. Looking for contacts. Targeting the Pacific NW. Mark passed out brochures. If they have a solid curriculum, could be possible. Bill Dykstra said Praxair is an international company with a lot of money; if they could help with funding it may be a good opportunity for Clark's welding program. Maybe a presentation by Praxair to the committee next meeting.

**Next Meeting Date** – is Wednesday, April 27, 2016 at 5:30 pm.

Mark adjourned the meeting at 6:40 pm.