

Surveying Engineering Technology Newsletter

<http://www.umaine.edu/set/svt/>

Spring 2010

THANK YOU: Tight budgets may have caused the elimination of one surveying faculty position. The overwhelming response by professional societies, businesses, friends, and alumni sent to the President of the University of Maine not only stopped the proposed cut but caused the President to encourage the Dean of Engineering to expand enrollment in the program.

ENROLLMENT: Currently, there are 60 students in the program from the following states: 47 Maine, 5 Massachusetts, 3 New Hampshire, and 2 Rhode Island. There are three students from Saudi Arabia.

GRADUATES: The following students have or are expected to graduate in 2010: Nick Acheson (ME), Cliff Bennett (ME), Andrew Brown (ME), Timothy Cote (ME), Nicholas Craig (ME), Jonathan Drew (ME), Nathan Mayo (ME), Daniel Oakes (ME), Sean Pierce (ME), Heather Pettigrew (RI), Drew Pickering (ME), and Tyler Rigazio (NH).

FUNDAMENTALS OF SURVEYING: Congratulations to the following students who have reported passing the fundamentals of surveying exam in Spring 2010: Nikolas Acheson, Andy Brown, Nicholas Craig, Jonathan Drew, Nathan Mayo, Daniel Oakes, Drew Pickering, Sean Pierce, and Tyler Rigazio. Some students have previously taken and passed the exam in the Fall 2009.

EMPLOYMENT: There are twelve students graduating this year (some in December). Employment opportunities are scarce. Nevertheless, almost all have reported employment. If you are aware of employment opportunities, please contact one of the faculty. We can post job announcements so all students will receive them.

RECRUITING: The SVT program needs your help. The Dean for the College of Engineering would like to increase enrollment in the program by ten percent. Help with increasing enrollment can take many forms. Take the time to talk to high school students, community college students, and young adults about a career in surveying and the surveying program. Don't forget to mention the great two-year surveying programs available in each New England state. We have received many excellent transfer students from these programs and hope to receive more. Two year transfer agreements for many two year programs can be found on the SVT web site (<http://www.umaine.edu/set/svt/>) Students can save money by attending their local two-year program then transfer to the University of Maine to earn an ABET accredited B.S. degree in surveying.

If people can be identified that might be interested in surveying, their names and contact information can be sent to Knud Hermansen

(Knud.Hermansen@umit.maine.edu) so information on the surveying program can be sent to the prospective student. SVT had some great help in this regard from state trig-star sponsors.

Another avenue that helps attract students is to initiate or fund scholarships that can be used by Ray Hintz to attract students. Many students have chosen surveying or stayed in the surveying program because of the financial aid afforded by scholarships. Ray Hintz (Raymond.Hintz@umit.maine.edu) will be happy to discuss starting a scholarship or answer your questions regarding scholarships.

Last but not least is for surveyors to mentor high school students or young adults and educate them about surveying. This could include speaking at high school career days or having a high school student job shadow a surveyor or survey crew for a day or two. SVT has had many students that claim their interest in surveying started with knowing a surveyor or working for a surveyor for a short time.

SCHOLARSHIPS: Surveying Engineering Technology is pleased to announce the following scholarship recipients:

- ACSM – NES Ellsworth Stanley Scholarship — Richard Adams II, Tyler Camick, Charles Dexter, Sterling Hooke, Heather Pettigrew, Mark Provo, Benjamin Robie, Henry Simpkins Jr., Sam Suorsa, and Kevin Thompson
- Andrew Shyka Scholarship – Clark Chattin
- Gunther Engineering Boston Surveying Engineering Technology (SVT) Scholarship — Judd Vear
- Virginia and Roger Ferguson ACSM New England Scholarship - Jacob Bartlett

PROFESSIONAL SOCIETY SCHOLARSHIPS: SVT students applied for and received the following scholarships from professional societies:

- Rhode Island Society of Professional Land Surveyors Scholarship — Sam Suorsa
- Anson (ASPRS) Memorial Scholarship - Tyler Rigazio
- Maine Society of Land Surveyors Scholarships — Nathan Mayo, Devin Pike, and Kevin Thompson
- Warner M. Plummer Scholarship (NHLA) - Tyler Rigazio

DONATIONS: Ms. Helen McCue, sister of the late friend of SVT Roger Ferguson, donated \$10,000 to the Virginia and Roger Ferguson New England Section SVT scholarship in honor of her brother. We deeply appreciate her support.

ACSM STUDENT CHAPTER: The Student Chapter competed at the 2010 NSPS Surveying Student Team Competition held in April at the ACSM Convention in Phoenix. The competition consisted of a paper, poster and twenty minute presentation of a field exercise on the subject of “Forensic Surveying Related to Accident Scenes”. Many in the

audience felt that the UMaine presentation was the best of the competition. Congratulations to the presenters, Clark Chattin, Heather Pettigrew, Tyler Rigazio, Sam Suorsa and Kymberly Turk, and also to Dan Oakes and Andrew Strout who co-wrote the paper with the others. Special thanks to State Trooper Darren Foster, Crash Reconstruction Specialist with the Crash Analysis Unit of the Maine State Traffic Division, who met with the students on several occasions to discuss his job and use of computer programs, and also set up a “staged” traffic accident on campus that was used as the student’s field exercise.

Another highlight of the ACSM convention was to cheer as Tyler Rigazio accepted the 2010 NSPS Scholarship at the awards banquet. Students met with old friends, alumni and supporters from New England and across the nation. Students made new friends and contacts, and attended seminars, panel discussions on current surveying topics, and vendor presentations on new surveying products.

Once again, thanks to all the supporters of the ACSM Student Chapter!

PRESIDENTIAL ACHIEVEMENT AWARD: The Presidential Achievement award is made just one time in a student's studies at the University of Maine. Full-time students must attain a 3.0 grade point average or better for two consecutive semesters. The student must also achieve a 3.5 grade point average or better for the most recent semester. Very few students achieve this honor. This academic year **Clifford K. Bennett (2010), Daniel T. Oakes (2010), Ryan D. Flanagan, Heather M. Pettigrew (2010), Henry H Simpkins Jr., and Jeffry P. Spaulding.** achieved this honor.

CAPSTONE COURSE: Ray Hintz embarked the Capstone class on further work in Caribou bog to retrace the boundaries on this important environmental area that has been donated to the University of Maine. The following pictures tell some of the story:



An old wood post is recovered



A second wood post recovered by the class



Two wood posts were recovered and used as evidence in Feb. 2010 for the SVT 490 capstone course. Shown are examples of old blazed trees recovered by the same class. The blazed tree shown below is extremely critical as it represents the terminus of the northernmost line of the University of Maine's Caribou Bog

parcel at Pushaw Lake in Old Town, ME.



SVT EQUIPMENT PURCHASE: SVT wrote a successful curriculum fee proposal for a Topcon IS Imaging Station. This will be the first prismless and robotic total station in our laboratory. In addition the IS Imaging Station allows scanning at up to 20 points per second and can take photography. The conventional and/or survey data and photography can be merged in Image Master Pro software where additional data can be collected via photogrammetric tools such as stereo compilation. The successful proposal was because of the discount of more than \$32000 from Topcon Corporation and Spiller's, and because of a \$5000 match from the Surveying Educational Foundation of New England. The IS Imaging station will be used in labs in plane surveying, construction surveying, and a series of advanced SVT courses.

SVT PHOTOGRAMMETRY LAB: The first annual "payout" from the \$50,000 endowment of the Surveying Associations of New England SVT Photogrammetry Lab is \$3110.70 derived from a Dec. 31, 2009 value of \$56,558.36. The payout will be used to begin purchase of tables and chairs for the laboratory.

INDUSTRIAL ADVISORY COMMITTEE: The industrial advisory committee met on 9 April 2010. Most of the meeting was devoted to the discussion of budget cuts and their effect on the SVT program.

RECOGNITION SCHOLARSHIP: Do you want to create a perpetual memorial to a person or firm? Please consider establishing a scholarship to insure that the name of a person or firm will live on in perpetuity and help students with their financial needs. A minimum of \$20,000 is required before a scholarship can be awarded to a student. Any amount greater than \$1,000 will start a scholarship.

SVT CROWE AWARD: Congratulations to Andy Shyka for the honor of receiving the Surveying Engineering Technology Distinguished Francis Crowe Award. The Distinguished Francis Crowe Award recognizes individuals who have made considerable contributions to the surveying engineering technology program and the profession.

Andy began his surveying career in the U.S. Army where he was sent to Fort Belvoir, Virginia to learn photo mapping. He was later assigned to the 30th Engineer Topographic Battalion as a geodetic computer. Following his discharge in 1952 he worked for Sewall Company where he was involved in numerous surveying projects. In 1962 he served as project manager for AeroService in Philadelphia, PA. This employment was followed by another brief employment with Sewall Company, followed by employment with the City of Bangor. In 1965, Andy entered private practice where he soon established a reputation for quality professional services. In October 1999, Andy merged his firm with Sheppard & Garster to form Shyka, Sheppard, & Garster Land Surveyors in Bangor Maine. Recently, the firm created a scholarship in the SVT program in Andy's name.

Andy was one of the first licensed surveyors in the state of Maine. He was a founding member of the Maine Society of Land Surveyors. He was the 2nd president of MSLS in 1972. He served for five years on the Board of Licensure. He was also a charter member and past president of the New England Section of ACSM. Andy continues to practice and serves as chair of the Orrington Planning Board and Zoning Board of Appeals.

Andy lives on his farm in Orrington with his wife, Mary Anne, of 47 years. They have raised seven children. Andy enjoys sailing, cross country skiing, hiking, and gardening.

Prior distinguished Francis Crowe inductees include David Cook, M.S., P.L.S. (Dec. 2003), Joseph McNichols, P.L.S. (May 2004), A. Richard Vannozzi, M.S., P.L.S. (May 2006), Claire Kiedrowski (May 2008), Dominick Auletto (Dec. 2008), and Gunther Greulich (May 2009).

LICENSES: If you obtain your professional license, please notify Knud Hermansen (Knud.Hermansen@umit.maine.edu) so he can update the alumni list. Also, if you know of fellow alumni with their professional license, please let Knud know. Please check out the status of your alumni listing at:
<http://www.umaine.edu/set/svt/SVTAlumni.htm>

E-MAIL: Please keep SVT (Knud.Hermansen@umit.maine.edu) informed of your new e-mail address so we can be sure you will receive this newsletter.

FACULTY NEWS: During the past semester, Knud were invited to speak by the University of New Hampshire, Midcoast Realtors, Maine Joint Environmental Training Coordinating Committee, West Virginia Board of Professional

Surveyors, New York Association of Professional Land Surveyors, and the Maine State Bar Association.

Ray and Carlton were invited to speak to the Idaho Society Land Surveyors. Ray spoke to the Florida Department of Transportation, Connecticut Association of Land Surveyors, University of New Hampshire, and the Maine Society of Land Surveyors.

SCHOLARSHIP DONATION FORM

Please support your state surveying society and the Surveying Education Foundation of New England, Inc. The following form is included for those surveyors, alumni, and employers that would like to contribute directly to a scholarship in the Surveying Engineering Technology program.

SUPPORT THE STUDENTS

We are seeking your help to fund scholarships for students. Many of our students struggle to pay for their education. You can help these students by funding an existing scholarship or creating a scholarship. Please consider making a donation toward this worthy endeavor.

Make the check out to either the “University of Maine” or the “University of Maine Foundation” (see notes below). Note on the check “SVT Scholarship” or include the completed form with your check. Mail checks and form to:

School of Engineering Technology
Surveying Engineering Technology
5711 Boardman Hall, Room 119
Orono, Maine 04469-5711

The enclosed check is to be used for the:

	Scholarship Name	Amount	Pay to the Order of...
<input type="checkbox"/>	Fritz Petersohn Memorial Scholarship	any amount	University of Maine Foundation
<input type="checkbox"/>	Andrew J. Shyka Scholarship	any amount	University of Maine Foundation
<input type="checkbox"/>	Robert Titcomb Memorial Scholarship	any amount	University of Maine Foundation
<input type="checkbox"/>	Alumni Scholarship for SVT Students	any amount	University of Maine
<input type="checkbox"/>	Named Scholarship	\$20,000 minimum	University of Maine Foundation

Name of Scholarship: _____