

Surveying Engineering Technology Newsletter
<http://www.umaine.edu/set/svt/>
Spring 2007

ENROLLMENT: As the program enters its fourth year, enrollment is now stable between 60-70 students. Currently, enrollment stands at 62 students. Students in Forestry, Construction Management Technology, and Civil Engineering often obtain a minor in Surveying Engineering Technology.

EMPLOYMENT: There are nine students graduating this year. All seniors report receiving employment offers. Thanks go to employers willing to contact undergraduates using the student bios that were published by the surveying societies or posted on-line at <http://www.umaine.edu/set/svt/Resumes.htm>

FUNDAMENTALS OF SURVEYING: Lori Ann Stubbs and Hatim Gazzaz passed the October fundamentals of surveying exam offered in October 2006. All seniors are required to take the fundamentals exam before graduating.

SVT SCHOLARSHIPS: SVT has more scholarships than any other engineering technology program. This is a tribute to the support the program enjoys from the profession. We are very pleased with the support we have received from alumni and supporters of the program. At the present time, the program has the following scholarships:

- **SVT Alumni Scholarship** — This scholarship was established by alumni of the surveying program. The first award occurred in the Spring Semester 2007. The scholarship is funded in excess of \$6,700.
- **Fritz Petersohn Memorial Scholarship** — This scholarship was established by the friends of Fritz Petersohn in memory of his work and efforts on behalf of the surveying profession and the surveying program at the University of Maine. This scholarship has not been fully funded yet. The scholarship has in excess of \$2,396.
- **Andrew Shyka Scholarship** — Colleagues and friends of Andy Shyka created this scholarship in tribute to Andy's contributions to surveying. This scholarship is expected to be fully funded by Spring 2008. The scholarship is funded in excess of \$2,848.
- **Gunther Engineering Surveying Engineering Technology (SVT) Scholarship** — This scholarship was funded by generous contributions from Gunther Greulich to provide financial aid to surveying students. The first award of this scholarship was made in the Spring Semester 2006. The scholarship is funded in excess of \$16,000.
- **Ellsworth Stanley ACSM-NES Scholarship** — The New England Section of the American Congress on Surveying and Mapping created this scholarship in memory of the significant and numerous contributions by Ellsworth Stanley to the surveying profession. This is the oldest scholarship in the surveying program. The first award of the scholarship in the SVT program was made in 2004. Previously, it was awarded to students in the SIE program. The scholarship is funded in excess of \$29,500.
- **Robert P. Titcomb Memorial Scholarship** — This scholarship was created by David Titcomb in memory of his father who was a leader in the surveying profession and a strong advocate of the surveying program at the University of Maine. The scholarship was awarded the first time in the Spring Semester 2007 by Robert's son, David. The scholarship is funded in excess of \$5,706.
- **Virginia and Roger Ferguson ACSM New England Scholarship** — This scholarship was established by Roger Ferguson in loving memory of his late wife. Roger has been a leader in the surveying profession and a strong advocate of a surveying education. This is the second oldest scholarship in the surveying program. This scholarship was first awarded in the Spring Semester 2005. The scholarship is funded in excess of \$35,663.
- **Carol and George Gay New England Section Scholarship** — This scholarship was established by Carol Gay. Carol and George were strong advocates of a surveying education. George devoted much of his life to educating surveyors. Carol devoted

considerable time to the New England Section of ACSM. This scholarship will be awarded in the future. The scholarship has funds in excess of \$2,086.

- Col-East, Inc. SVT Scholarship — This scholarship was established by Col-East, Inc., a photogrammetric firm in North Adams, MA. This scholarship has not been awarded at this time. The scholarship has funds in excess of \$5,002.
- Plisga & Day SVT Scholarship — The Plisga and Day Scholarship is the most recent scholarship established. It was established in 2006 by the surveying consulting firm of Plisga & Day. Plisga & Day is a Bangor, Maine based land surveying firm that was founded in 1972 by Stanley J. Plisga and Richard A. Day. Nearly one-half of its 10 licensed surveyors have degrees from the University of Maine, and Mr. Plisga was an Instructor in General Engineering and Civil Engineering at the University of Maine. This scholarship is not fully funded at this time.
- Rhode Island Society of Professional Land Surveyors (RISPLS) Scholarship — This scholarship was established by the Rhode Island Society of Professional Land Surveyors in recognition of the contributions of the faculty and program to the New England region. The scholarship is not fully funding. It currently has in excess of \$998.

In addition to the above scholarship, each state society has established scholarships for the purposes of providing financial aid to students enrolled in surveying or surveying related programs. The program would also like to recognize the Judith Nitsch Engineering, Inc. scholarship that is awarded to an SVT student by JNEI based on the advice of the coordinator of the SVT program.

RECOGNITION SCHOLARSHIP: Establishing a scholarship is one way to insure that the contribution or memory of a person will live on in perpetuity and help students with their financial needs. A minimum of \$5,000 is required before a scholarship can be awarded to a student. Please consider creating a recognition or memorial scholarship for family, friends, peers, or colleagues that have contributed to the surveying and mapping profession.

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

- ACSM Berntsen International Scholarship in Surveying Technology – Tara Jeffers
- ACSM - Lowell H. & Dorothy Loving Scholarship — Tara Jeffers
- Ellsworth Stanley, ACSM New England Section Scholarship — Robert Miles & Isak Porter
- Gunther Engineering Boston Surveying Engineering Technology (SVT) Scholarship — Robert Goodwin
- Massachusetts Association of Land Surveyors and Civil Engineers (MALSCE) Scholarships – Robert Miles.
- M.S.L.S. Scholarship — Justin McCoubrey, Tara Jeffers, & Jared T. Patenaude
- Robert P. Titcomb Memorial Scholarship — Nathan Hart
- SVT Alumni Scholarship – Jared Patenaude, Andrew Paradee, and Jacob Bartlet.
- Virginia and Roger Ferguson ACSM New England Scholarship - Fred Stohman.

STUDENT SPONSORS: Considerable thanks and appreciation go to members of the surveying profession who sponsor students at professional meetings. Sponsors agree to host a student and pay their registration fees for attending professional events. Most of you are very familiar with the poverty level of a typical college student. Students are interested in talking and interacting with members of the profession they desire to join. Sponsoring a student allows the student to interact with the profession and learn about surveying outside the classroom. Thanks to the following for sponsoring a student at the annual MSLS meeting:

Sponsors	Students	Sponsors	Students
Robert Garster	Sean Lahann	John Mathieson	Allen Mathieson
Shep Sheppard	Christopher Martin	John Belding	Matt Burke
Rod Craib	Jared Patenaude	Dale Blackstone	Bradley Fox
Carlton Brown	Sarah Bell	James W. Sewall Co.	Kara Lawson

Jonathan Stewart
Karl Olson
Donald Dostie

Andy Brown
Suzanne Graves-Hall
Andy Paradee

David Cook
Bruce Martinson

Rob Goodwin
Sean Fallon
Tara Jeffers

The following members have thoughtfully sponsored a student for the Spring 2007 M.S.L.S. meeting: Bruce Martinson, Donald Dostie, William Saucier, Karl Olson, Steve Gould, Carlton Brown, David Cook, John Mathieson, and Dale Blackstone.

If I have missed your name, please send Knud an e-mail (knud.hermansen@umit.maine.edu) so SVT can thank you in the next newsletter.

ACSM STUDENT CHAPTER: The Student Chapter of ACSM has had a busy year.

In early February, 2007 the Student Chapter competed in the NSPS Student Competition at the ACSM Conference and Technology Exhibit in St. Louis. Of the 11 teams that competed, UMaine came in fifth. Besides the fun and experience of competing under the St. Louis Arch, the students mingled and talked with other land surveying students, learned about the latest technologies and products on display in the exhibit hall, and attended seminars. We would like to thank all the surveying societies and companies who donated funds to help pay for the cost of sending UMaine to the student competition.

In early May, 2007 the Student Chapter along with the New England Section of ACSM sponsored a seminar entitled "Field Practices: Mean High Water Surveying for Professional Land Surveyors". Fifteen people from around New England attended, and under the direction of Douglas A. Thompson of Atlantic Professional Development in Florida, performed field observations of the local high and low tide elevations over three tides at five sites in the Belfast, Maine vicinity, and performed calculations to determine the local mean high and low waters for the sites. Four students and faculty advisor Carlton Brown were among those who attended. SVT students Andrew Paradee and Robert Goodwin did a great job in setting up and administering the seminar. Our thanks go out to ACSM-NES for underwriting the seminar.

Also in May, the Student Chapter visited the Miles Lane Elementary School in Bucksport and over three days taught about 100 third-graders about land surveying. The students learned to pace 100 feet, and then competed in a contest to determine who could pace the closest to 200 feet. Next they learned to use a compass and measured distances by pacing to find "buried treasure" using a treasure map. The crew that came closest to the correct location won the contest. Finally, the students used three hand-held GPS units to find their way around the school grounds. The teachers say that the third-graders look forward to having the UMaine students come down each year. In fact, there is a former third-grader who is now in the sixth grade who still says she wants to study land surveying when she gets to college!

Once again, thanks for all the support you all have given to the UMaine Student Chapter. Please visit our website at <http://www.umaine.edu/set/svt/ACSMStudCh.htm>.

DEAN'S LIST — The following SVT students earned the honor of being recognized in the Fall 2006 Dean's list — Nicholas Acheson, Jacob Bartlett, Sarah Bell (senior), Jaron Boivin, Nicholas Craig, Tyler Durant, Shane Enos, Jason Fitton, Robert Goodwin, Tara Jeffers (senior), Robert Miles, Alexander Ogilvie, Andrew Paradee, Jared Patenaude, Isak Porter (senior), and Tyler Rigazio

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 Jacob I. Bartlett, Sarah R. Bell (senior), Tyler A. Durant, Robert A. Goodwin, and Tara A. Jeffers (senior) achieved this honor.

CAPSTONE COURSE — The capstone course generally involves boundary analysis, GPS, control surveying, GIS, and CAD. This year the final capstone project was to map the Caribou Bog Land Trust. The project resulted in a digital map for use by the trust and a presentation by the students to interested parties.



Capstone Students (L to R): Tara Jeffers, Andrew Paradee, Sarah Bell, Shane Enos, Kara Lawson, Justin McCoubrey, Fred Stohlman, Isak Porter.

PROGRAM CHANGES — Laptops will now be required for students enrolled in the program. The ever increasing reliance on technology in practice requires students to be familiar with a multitude of software and be able to integrate technology into practice.

NEW EQUIPMENT — Larger class sizes have resulted in the purchase of additional fiberglass tapes, pop levels, tribrach calibration equipment, and bipods.

INDUSTRIAL ADVISORY COMMITTEE — The industrial advisory committee met on 13 April 2007. The committee have been instrumental in setting the focus and direction of the program. Members of the committee represent every New England Society, the Maine Board of Licensure, and surveying or photogrammetry firms. Representatives on the IAC are the following:

Representative	Organization	Representative	Organization
David Brandt, P.L.S.,P.E.	Surveyor at Large	David Hilbern, P.L.S.	RISPLS
Claire Kiedrowski	Photogrammetry	David Titcomb, P.L.S.	Prof. Licensing Board
Shep Sheppard, P.L.S.	Surveyor at Large	Joseph McNichols, P.L.S.	ACSM-NES
Andrew Tupper, P.L.S.	CALS	Dave Cook, P.L.S.	MSLS
Jason G. Racette, P.L.S.	Surveyor at Large	R. Michael White	GIS
Ken Roy, P.L.S.	BLM	A. Rich Vannozzi, P.L.S.	MALSCE
Timothy Patch, P.L.S.	VSLs	Stephen Gould, P.L.S.	Surveyor at Large
		Tim Peloquin, P.L.S.	NHLSA

RECRUITING NEWS — Recruiting efforts have been reduced due to the loss of support faculty and the rising enrollment in the program. Nevertheless, several recruiting efforts have been conducted over the last semester. A sampling of these efforts are the following:

- A letter with information about the surveying program has been sent to every New England high school.
- Faculty have volunteered to visit every Maine high school. Approximately five high schools were visited in the Fall semester.
- A booth was placed at the Maine Sportsmen Show held at the University of Maine.
- Carlton Brown and the ACSM Student Chapter are leading a project to seed “geo” coins in geo caches. The geo coins contain the name and web site of the SVT program.
- The ACSM Student Chapter and Carlton Brown met with elementary grade students at the Miles Lane Elementary School in Bucksport, Maine.

FACULTY NEWS — Knud Hermansen and Don Richards have published the second series of practice books on Maine boundary law. The book is titled *Principles and Procedures for the Location of Boundaries in Maine*. The publication is available through the Maine State Bar Association. Their previous publication and first in the practice series was *Maine Roads and Easements* that Knud also co-authored with Don Richards.

A long time director of the School of Engineering Technology, John McDonough, has announced his plans to retire. His retirement will be effective at the end of the Spring 2007 semester. John will be sorely missed. John retires as an associate dean for the college of engineering where he has served for the last six years.

David Dvorak, the current director of the School of Engineering Technology, has announced his plans to take a sabbatical. David has received a Fulbright scholarship. Dave was very supportive and helped facilitate the transfer of the surveying program to the School of Engineering Technology where it has enjoyed considerable success. Scott Dunning will take his place as director. Scott is a professional engineer and has a B.S., M.S., and Ph.D. in electrical engineering. Scott's last position was director of the Advanced Manufacturing Center in the College of Engineering. Prior to his appointment as director of the Advanced Manufacturing Center, Scott was a professor and coordinator of the Electrical Engineering Technology program. Scott has been with or associated with the School of Engineering Technology since 1991 so he is very familiar with the technology programs.