

**School of Engineering Technology**  
Surveying Engineering Technology  
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May 20, 2006

Greetings from the University of Maine!

Enclosed is our Spring 2006 newsletter. Our faculty, students, and the entire SVT program have had a really great year and we welcome the opportunity to share some of our accomplishments. We owe the success of our program to the many surveyors, firms, and societies that have supported the program and continue to do so.

Perhaps the best news is that, over the last year, supporters of UMaine's SVT Program have established several new scholarships honoring some of the great leaders in our profession: Gunther Greulich, Fritz Petersohn, Andrew J. Shyka, and Robert Titcomb.

On the back of this page is a donation form for various scholarships. A named scholarship is a great way both to recognize the exceptional people in our profession and to support the education of future generations of surveyors.

We really enjoy keeping in touch with our alumni and friends in the professional community. Please let Knud know about your family, job, and projects for the "SVT hearsay" web site ([Knud.Hermansen@umit.maine.edu](mailto:Knud.Hermansen@umit.maine.edu)). Also, be sure to visit the page and discover what former classmates are doing.

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

Thank you for your continued support.

A handwritten signature in black ink that reads 'Raymond Hintz'. The signature is written in a cursive, flowing style.

Raymond Hintz  
Ph.D., P.L.S.  
Associate Professor

## 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  
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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
<input type="checkbox"/> Alumni Scholarship for SVT Students	any amount	University of Maine
<input type="checkbox"/> Named Scholarship	\$5,000 minimum	University of Maine Foundation

Name of Scholarship: \_\_\_\_\_

SVT shirts are provided for donations in excess of \$30 – please check a size and style

Medium       Large       X-Large  
 Polo Shirt       Long Sleeve

# Surveying Engineering Technology Newsletter

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

## Spring 2006

**EARL J. FENNEL AWARD:** Ray Hintz has received the American Congress on Surveying & Mapping's prestigious Earl J. Fennell award. The Earl J. Fennell award is recognition from colleagues in the surveying education field. The award is given for outstanding contributions to Surveying and Mapping Education. Knud Hermansen received the award in 2004.

**ENROLLMENT:** Enrollment continues to climb. Currently, enrollment stands at 54 students. Projected enrollment at the start of the Fall semester is expected to be around 60 students. Several Forestry, Construction Management Technology, and Civil Engineering students have declared a minor in Surveying Engineering Technology.

**EMPLOYMENT:** There are seven seniors graduating this year. All seniors report receiving employment offers. Most undergraduates seeking summer employment reported finding employment. 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:** Addison Whitworth has passed the October fundamentals of surveying exam on. All seniors are required to take the fundamentals exam before graduating.

**SVT ALUMNI SCHOLARSHIP:** There is \$6,600 in the SVT Alumni scholarship. The first award is expected in the Spring 2007. Thanks to all the alumni and firms that have contributed toward the scholarship.

**MEMORIAL SCHOLARSHIPS:** Establishing a memorial scholarship is one way to insure that the memory of a person lives on in perpetuity by continuing to help future surveyors. A minimum of \$5,000 is required for a memorial scholarship. Please consider creating a memorial scholarship for family, friends, or colleagues that have contributed to the surveying and mapping profession.

**FRITZ PETERSOHN MEMORIAL SCHOLARSHIP:** Friends of Fritz Petersohn have created a scholarship in his memory and are seeking donations to fund the scholarship. People are welcome to donate to the scholarship in memory of Fritz.

**ANDREW SHYKA SCHOLARSHIP:** Colleagues and friends of Andy Shyka have created a scholarship in tribute to his contributions and career in surveying. People are welcome to donate to the scholarship in tribute to Andy.

**GUNTHER ENGINEERING BOSTON SURVEYING ENGINEERING TECHNOLOGY (SVT) SCHOLARSHIP:** Another \$5,000 has been contributed through the generosity of Gunther Greulich to insure the scholarship he has established will provide financial aid to needy students..

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

- [ACSM Berntsen International Scholarship in Surveying Technology](#) – Tara Jeffers
- [ACSM Kris M. Kunze Memorial Scholarship](#) — Joseph LaBranche
- [Connecticut Association of Land Surveyors \(CALS\) Scholarship](#) - Luke Brousseau
- [Ellsworth Stanley ACSM-NES Scholarship](#) – Tara Jeffers and Tyler Durant.
- [Gunther Engineering Boston Surveying Engineering Technology \(SVT\) Scholarship](#) – Not Awarded Yet.
- [Maine Society of Land Surveyors Scholarships](#) – Justin McCoubrey, Isak Porter, Tara Jeffers, and Joseph LaBranche.

- Massachusetts Association of Land Surveyors and Civil Engineers (MALSCE) Scholarships – Robert Miles.
- Robert P. Titcomb Memorial Scholarship — Not awarded yet.
- SVT Alumni Scholarship – Not awarded yet.
- Virginia and Roger Ferguson ACSM New England Scholarship - Fred Stohlman.

**ACSM STUDENT CHAPTER:** The ACSM student chapter met several times to raise funds for the NSPS/ACSM student competition. This year the competition required a paper and a solar observation circa 1950s. Fortunately, the SVT program had old equipment the students could use. The students chose a Wild T-2 with a Roelof prism. A hand crank calculator was used along with a vacuum tube radio for picking up time signals. Assistant Professor Carlton Brown helped train the team. The paper topic selected by the students was the Epping Baseline. Fortunately, Harold Nelson, a local surveying history buff, was able to provide a great deal of background information for the students. The University of Maine students were the closest to the actual azimuth (by two seconds!). They placed in the upper half of the competitors. Congratulations on their impressive showing and hard work! The students wish to express their sincere appreciation to those societies, firms, and individuals that were kind enough to provide donations to cover their costs.

**DEAN'S LIST —** The following SVT students earned the honor of being recognized in the Fall 2006 Dean's list — Jacob Bartlett, Ryan Beisaw, Tyler Durant, Shane Enos, Hatim Gazzaz, Robert Goodwin, Tara Jeffers, Christopher Knowlton, Joseph Labranche, Sean Lahann, Justin McCoubrey, Robert Miles, Andrew Paradee, Isak Porter, David Sheehan, Lori-Ann Stubbs, and Thomas William.

**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 Christopher Knowlton, Joseph Labranche, Robert Miles, Isak Porter, and David Sheehan achieved this honor.

**COURSE CHANGE** — Three new courses have been added to the program — 1) SVT121, AutoCAD for Surveyors 1, 2) SVT122, AutoCAD for Surveyors 2, and 3) SVT331, Photogrammetry. AutoCAD for Surveyors I covers basic AutoCAD and CAD procedures. AutoCAD for Surveyors 2 covers Land Desktop and other add on features to AutoCAD that graduates are likely to encounter in professional practice. Photogrammetry covers basic photogrammetry equations along with principles and procedures for photogrammetric operations.

**NEW EQUIPMENT** — An additional total station has been added to the equipment. The additional total station was necessary due to rising enrollment in surveying courses. Current plans are to add a new total station every year. A new GPS receiver will be added every three years. New or updated software will be added as funding allows. This purchasing plan should allow the students to use the latest surveying equipment.

**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 Orono Land Trust trails. The project resulted in a digital map for use by the trust and a presentation by the students to interested parties.

**INDUSTRIAL ADVISORY COMMITTEE** — The industrial advisory committee met on 7 April 2006. The committee discussed student comments and modifications to 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:

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

**PROGRAM CHANGES** — The program has been revised to now requires AutoCad courses rather than generic CAD courses.

**RECRUITING NEWS** — Several recruiting efforts have been conducted over the last semester. A sampling of these efforts are the following:

- As in previous years, 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 ten are visited every academic year.
- A booth was placed at the Engineering Exposition held at the University of Maine. Approximately 200 people visited the booth.
- Carlton Brown and the ACSM Student Chapter are leading a project to seed “geo” coins in geo caches. The geo coins containing the name and web site of the SVT program.
- For the five days of the week of May 1, 2006, seven members of the ACSM Student Chapter and Carlton Brown met with six classes (for a total of 110 students) of elementary grade students at the Miles Lane Elementary School in Bucksport, Maine. They spent two hours with each of the six classes discussing land surveying as a future career, calibrating their pace (“how many steps does it take to measure 100 feet”), looking through a Total Station and a Wild T2, using hand-held GPS units to look for “buried treasure”, using a compass and their newly-found measuring instrument (their calibrated pace) to find “buried treasure” using a treasure map with courses and distances, and using their pacing techniques in a competition to see who could pace the closest to 200 feet. Many thanks to Allie Brown for setting up and coordinating the visits.

Next year an attempt will be made to secure a booth at the Sportsmen Show. Ideas are always welcome.