CARROLL COUNTY CELEBRATES

The Maryland-Pennsylvania border was originally set at the 40th parallel of latitude, but when the Penn family of Pennsylvania realized that they were landlocked, they appealed to the king of England to move the line further south. After many years of debate and waiting, the king decided to move the line 19 miles south, to give Pennsylvania access to the headwaters of the Chesapeake.

If the line had remained at the 40th parallel, Carroll County—which borders 22 miles of Pennsylvania—would have been 400 square miles larger.

Gary Ganjon and Keith Heindel, two surveyors from CLSI, gave a presentation on their efforts to retrace the Carroll County-Baltimore County line on the County’s 167th birthday. See related article on page 16.

TRIGSTAR NOW!

The purpose of the TrigStar Program is as follows: (1) to promote the study of trigonometry in high school and to promote excellence in the mastery of trigonometry by honoring the individual student who has demonstrated superior skill among classmates at the high school level; (2) to acquaint the high school trigonometry students with the use and practical application of trigonometry in the surveying profession; and (3) to build an awareness of surveying as a profession among the mathematically-skilled high school students, career guidance counselors and high school math teachers. Read More. Page 21.

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PRESIDENT’S MESSAGE

By: George Wigfield, M.S.S. President

MAKING STRIDES IN STATE LAW AND IN THE SOCIETY’S BYLAWS

Update on Statute of Repose Initiative

In early April, we marshalled our resources for a hearing of the Judicial Proceedings Committee of the Maryland State Legislature. With the support of the sponsors, Senators Larry E. Haines, (District 5), John A. Giannetti, Jr., (District 21) Senator Nancy Jacobs, (District 34) and Senator Philip C. Jimeno, (District 31), we made our case to the legislators, asking them to pass SB690. If adopted, this bill would considerably reduce how long a potential plaintiff would be allowed to seek damages from a surveyor because of an error on a survey.

Under current law, you can be held liable for errors made up to 20 years ago. We believe that a 10-year Statute of Repose, as this is called, still offers legitimate protection against error and protects consumers but within a reasonable period of time.

Our intrepid group from the Government Affairs Committee met at 10:00 a.m. on Thursday, March 4 on the second floor of O’Brien’s in Annapolis to prepare for a hearing scheduled at 1 p.m. They reviewed their testimony and prepared their presentation. The Medical Malpractice bill was being heard in Senate Judiciary Proceedings Committee before SB 690. That discussion continued well past the time allotted. Our representatives were forced to abbreviate their presentation, but apparently suffered no damage. On March 16 our legislative affairs consultant Lorraine Sheehan reported that the Committee vote on SB 690 was unanimous in favor (11-0). On March 22 it passed Third Reading in the Senate by a vote of 43-2.

The bill then moved over to the House of Delegates. It was first read on March 23, and was heard before the House Judiciary Committee on April 6. Sadly, in spite of all of the good work put out by members of our committee, SB 690 failed to pass. The grassroots effort was excellent. We actually did everything right. Unfortunately, the Chairman of the House Judiciary Affairs Committee, Joe Vallario (27th District, Prince George’s County) did not bring the bill up for a vote. He put it in the “bottom drawer”. Our folks tried to get members of the Committee to bring it up for a vote but there was too much pending in the last days of the Session, and our bill simply was not a top priority.

We intend to meet with Chairman Vallario in the near future to ascertain his concerns with this bill.

Thanks to each and every one of you who took the time to contact and/or visit your State Senator. Our legislative team, led by Lorraine Sheehan, legislative consultant, attorney and surveyor James Demma, Michael Klein, our insurance consultant, and the MSS Legislative Committee did a great job. We pointed out to the legislators that our proposal would give us parity with architects and engineers, who have a 10-year protection under current law. We noted that the few claims against surveyors are actually discovered within five years of the survey. The so-called remedy of “tail insurance” is not available to all surveyors even though they are still liable to be sued.

Thanks, everyone, for all your efforts. We will keep you informed as we determine how to proceed next in the pursuit of this legislation. We aren’t finished yet!

Retired Status Category of Membership – Proposed Bylaws Change

Our board of directors met at the end of February and voted unanimously to propose a change to the bylaws which will add a new membership category for our Society. We want every surveyor to feel valued and welcomed as a member, and we think this new category will do that. This “retired” status makes memberships at a nominal fee accessible to our fellow surveyors who have retired. Retired members will receive The Maryland Surveyor and all other mailings from the Society, and they will be able to take advantage of the member rate for conferences and educational programs—a considerable cost savings. The proposed new bylaws are printed on page 4 of this newsletter.

For the Society as a whole, this bylaws change matters a lot. It gives us the potential for more clout. More members give us a greater voice. We think this bylaws change would help us widen the circle, so to speak, and to make it more inclusive. That is a good thing for each and every surveyor in the great state of Maryland! If you know a retiree, be sure to spread the word that we want them in the fold if they aren’t already.
CONVENIENCE, COMMUNICATIONS, AND GREAT COURSEWORK

New Member Directory

It is 32 pages that can make your life easier. It can shorten the hunt for information or put you in touch with someone in the know. It is the 2004 Maryland Society of Surveyors Membership Directory.

We are pleased that it has been published – the first new one in years. We told you in our last issue of The Maryland Surveyor that publishing this directory was among our 2004 goals. We plan to publish this directory every year, so that you as members can truly rely upon it.

I would ask each member to review his/her entry carefully. We tried very hard to get all the details correct, but if you find an error, please email them to RLGMSS@aol.com or fax them to Rona Goldberg at 1(888)475-1858.

You will probably note that honorary members of the Maryland Society of Surveyors were inadvertently omitted from the directory. You can find a listing of MSS honorary members on page 6 of this newsletter.

Commitment to Quarterly Publication

Newsletter editor Bob Banzhoff, Jr. is to be congratulated for picking up the reigns of this publication in the wake of Chas Langelan’s retirement from the editor’s job. Rona Goldberg and I are assisting Bob with this responsibility. Staying committed to quarterly publication of The Maryland Surveyor is a valuable member service, and we will work hard to assist Bob in meeting that 2004 goal.

Forest Conservation Series

“The MSS Forest Conservation Course was a great success,” instructor Jim Whitehead tells me. The course spanned six, eight-hour Saturday classes and one outdoor workshop. Thirty students registered, including two professional engineers, a landscape architect, five licensed surveyors and other highly qualified people. The course is approved by the Maryland Department of the Environment and the Department of Natural Resources (DNR). DNR may approve it for a DNR Qualified Professional designation. Each student completed a Forest Stand Plan, a Preliminary Forest Conservation Plan and a Final Forest Conservation Plan, including reports.

Jim tells us that having such a large and diverse number of students – about five times what is usually the registration – made for a richer class experience for all. He divided the class into teams of three and four composed of folks with different backgrounds.

“That yielded a rich perspective on the subject,” says Jim.

Video Series Offers Convenient Home Study

We are pleased to introduce a new member service – our Professional Development Video Series. It’s an opportunity for you to learn at your own pace, in the comfort of your own home or office and at the same time to earn Continuing Professional Competency credits toward your license renewal.

The series offers three videos entitled Justice Cooley of Michigan Meets Justice Lumpkin of Georgia, Riparian Boundaries and Surveying Standards in Practice.

Justice Cooley... examines two Supreme Court cases, fascinating, because the justices who rendered the nearly identical decisions pertaining to land surveying and boundaries were separated by hundreds of miles and years of practice. The video displays the easy give-and-take between its co-instructors, Walter G. Robillard, nationally recognized land surveying expert, author and attorney, and Walt’s friend and colleague, Robert C. Shelton, Jr. a retired judge, former county prosecutor and member of the New Jersey Assembly. In their bantering, informal and often humorous style, these two experts discuss these two landmark cases in detail and how these cases apply to land surveying today.

In Riparian Boundaries, Knud E. Hermansen, attorney, professional engineer, and professional land surveyor, clarifies murky issues that can emerge when surveyors are working streams, ponds, lakes and tidal waters. In Surveying Standards in Practice, Hermansen tackles the all-important issue of standards. Standards are not window dressing, he argues, but an indispensable part of proper and professional land surveying practice. This expert discusses how standards are applied, when they are waived (or ignored at your peril) and how surveying standards connect up with

continued on page 20
LETTER TO THE EDITOR

From: Glenda Devilbiss
Sent: Thursday, January 29, 2004 8:59 AM
To: RBANZHOFF@RODGERS.COM
Subject: Letter to the Editor from Glenda

Dear Bob;

Thanks a million for mailing me a copy of the Maryland Surveyor Newsletter/Journal (December 2003). I was impressed with the article and picture of my retirement award. How did you retrieve all that history? Did you write it? I really miss you and all of the surveyors. I enjoyed the entire newsletter—couldn’t put it down. I knew Dottie Sutcliffe pretty well. She really liked to eat hard-shell crabs. I first met Draper in 1971, when he came to the County to apply for a building permit. Who would have known then that I would be completing 5 semesters of surveying taught by Mr. Sutcliffe at F.C.C. in the 80’s? (While I was reading their story, I had to wipe my eyes twice.) The pictures of the Sutcliffes were excellent.

I did not know that Ralph Donnelly had passed. I had met him a couple times at some of the Surveyors’ picnics.

Congratulations on being the Editor—you have a wonderful newsletter.

Thanks to all my surveying friends, and remember that when you retire, every day is Saturday.

Glenda

PROPOSED BYLAWS REVISIONS

These proposed changes to the bylaws will be conducted in accordance with Article XIII of the bylaws. Voting on the proposed revisions will take place on May 25, 2004 at the General Membership Meeting.

UNDER ARTICLE VIII (MEMBERS)

Add a new class of Members.

F) RETIRED MEMBER

Any person who has a Retired Status License issued by the Maryland state board for Professional Land Surveyors and/or is 65 years of age and has surrendered their License.

UNDER ARTICLE XL (MEETINGS)

Section 1 Revisions to B.

B) Nine (9) Members of the Board of Directors shall constitute a quorum at all meetings of the Board of Directors but the members present, though less than nine (9), may adjourn the meeting from time to time. Use of proxies for absentees will not be permitted.

IT’S THAT TIME AGAIN!

The MSS Educational Trust reminds everyone that they issue five (5) scholarships a year. Scholarship applications must be received by August 1, 2004 to be considered. For full information and a copy of the application, go to our website, http://www.marylandsurveyor.org/, or contact the Educational Trust Fund chairman, Ron Collier at Charles P. Johnson & Associates, Silver Spring, Tel: 301-434-7000, Fax: 410-434-7010, Email: rcollier@cpja.com.

SINCE THE LAST ISSUE:

President George Wigfield represented Maryland at the Virginia Association of Surveyors Conference.

Past President Chas Langelan represented Maryland at the Pennsylvania Society of Land Surveyors Conference.

President George Wigfield represented Maryland at the New Jersey Society of Land Surveyors Conference.

Vice President Bob Banzhoff represented Maryland at the West Virginia Association of Land Surveyors Conference.

President George Wigfield, President-Elect Faron Pyles and attorney Jim Demma are representing the Society by serving on the Minimum Standards Review Task Force, along with members of the Board of Registration.

Vice President Banzhoff addresses the WVALS Conference attendees over Friday lunch to update them on MSS activities. (Photo by Don Teeter.)
Leica's innovation brings together two technologies to create a single surveying system—allowing you to work faster and more efficiently than ever before.

Once you worked with either GPS or a Total Station. Now Leica has brought together these two technologies into a single surveying system—with common user interface, common database, common applications, and common accessories. Introducing Leica System 1200 with X-Function. Welcome to a new way of surveying. You can switch instantly between GPS and TPS and use whichever is most convenient and suitable. No extra training is needed since both GPS and TPS instruments have identical operations. That means you do every type of job faster, smarter, and more efficiently—reducing costs and increasing profits.

Enter the new era of surveying with Leica System 1200 with X-Function.

For more information contact your local Leica Geosystems dealer or go to www.leica-geosystems.com.
HONORARY MEMBERS

Following is the list of Honorary members inadvertently omitted from the recently published directory:

JOHN M. COSAR AQUIS
Unit S-306
2525 Pot Spring Road
Lutherville Timonium, MD 21093
Phone: (410) 308-0180

ANTHONY DIETZ
Carroll Land Services, Inc.
439 East Main Street
Westminster, MD 21157-5539
Phone: 410-876-2017
Fax: 410-876-0009

JOHN F. ETZEL
Gerhold, Cross & Etzel Ltd.
320 E. Towsontowne Blvd.
Suite 100
Towson, MD 21286-5318
Phone: 410-823-4470
Home: 410-825-7367
Fax: 410-823-4473

L. ALAN EVANS
L. Alan Evans, Inc.
218 Meadowvale Rd.
Lutherville Timonium, MD 21093-6313
Phone: 410-321-7527
Home: 410-321-7527

CARL L. GERHOLD
107 Versailles Circle
Towson, MD 21204
Home: 410-825-0768

W. FREDERICK GORE
4311 Clearbrook Lane
Kensington, MD 20895-4139
Home: 301-564-0393

J. CARROLL HAGAN
2419 Boston St.
Baltimore, MD 21224-4733

RODNEY L. HANSON
15228 Manor Lake Drive
Rockville, MD 20853-1560
Phone: 318-640-0870
Home: 301-871-5060

NORMAN F. HERRMANN
204 Pacific Avenue
Ocean City, MD 21842
Home: 410-524-7161

CURT A. JESCHKE
617 Edmondson Ave.
Catonsville, MD 21228
Home: 410-747-9302

MACKENZIE L. KELLY
7224 16th Avenue
Takoma Park, MD 20912
Home: 301-434-8376

JOHN T. LATHAM
43 W. McKinsey Road
Apt. 223
Severna Park, MD 21146-4533
Home: 410-647-2155

JOHN H. MCGOVERN
11500 Oraubagh Avenue
Silver Spring, MD 20902-2922
Home: 301-649-3430

JOHN W. NEWQUIST
3837 Woodbine Rd.
Woodbine, MD 21797-7603
Home: 301-942-7869

A. JAMES O’MARA
Greenhorne & O'Mara, Inc.
3330 N. Leisure World Blvd.,
Apt 1001
Silver Spring, MD 20906
Phone: 301-982-2800
Home: 301-982-2800
Fax: 301-982-2800

THOMAS G. OYSTER
Blunt Marsh Farm, Box 845
Stevensville, MD 21666
Home: 410-643-6419

WILLIAM D. PURDUM
Purdum & Jeschke LLC
13908 Manor Road
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Home: 410-668-8801
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purdumandjeschk@compsuserve.com

LEO W. RADER
38 Belfast Road
Lutherville Timonium, MD 21093-4204
Phone: 410-252-2920
Home: 410-252-2920

GEORGE D. SAIN
PO. Box 43351
Nottingham, MD 21236
Home: 410-931-1122

KENNETH A. SLICER
16605 Jilrick Street
Rockville, MD 20853-1246
Phone: 301-774-9197

FREDERICK Y. WARD
310 Greenway
Bel Air, MD 21014
Phone: 410-838-6018
fxward@comcast.net
Leica System 1200: Two technologies working together as a single surveying system

At Leica Geosystems, we’re working hard to make you more productive with innovative technologies — like the new Leica System 1200 with X-Function integration. With System 1200, both GPS and TPS instruments have identical operations — with common user interface, common data management, common functions and features, and common user programming capabilities. We’ve also come up with an innovative way for you to drive the new System 1200 to your job site. Demo Leica System 1200 now, and you can enter to win this pick-up truck. For more information contact your local Leica rep or visit www.leica-geosystems.com/sweepstakes.
ESI Positioning

Z-Max Surveying System:

- Sub-Centimeter Accuracy
- Instant RTK
- NO Data Collector needed or use with an Allegro
- Internal Radio & Modem
- 13 Hour Standard Battery
- Long Range RTK (up to 30 mi)

Look, Mom! No cables!

THALES NAVIGATION

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(866) ESI-1998
Fax: 443-697-0213
www.esipositioning.com
amy@esipositioning.com

Call us about ➤ ProMark2s ➤ Payment Options ➤ Leasing
Carlson  ■  TDS  ■  SECO Survey Supplies  ■  Pacific Crest
Nikon  ■  Star*Net  ■  Laser Atlanta  ■  GPS & GIS Solutions
We have scheduled Friday, June 4, 2004 for this full day of seminars and festivities.

This year we are offering two separate tracks:

**Track One:** Documenting the File and “Dendrology for Dummies” (Tree Identification for Surveyors.)

**Track Two:** Accuracy and Precision in Surveying and CORS and the Internet.

Each class will offer 4 - A-level CPC’s upon successful completion. Descriptions of each of the sessions are detailed below:

**DOCUMENTING THE FILE**

*Ed Pagan, Jr., Esquire and John V. Mettee, III, Professional Land Surveyor*

Learn how technology, new and old, can be used to your benefit in proper file documentation and procedures. See how these procedures will encourage productivity, enhance time management, reduce liability and as a result increase cash flow. Emphasis will be placed on using the tools around you in every day transactions to increase communications, gain happier clients and greater income. Analysis and recommended procedures will be presented in an effort to assist the land surveyor. Take time to invest in yourself and your practice – learn the How and Why of “DOCUMENTING THE FILE”.

**DENDROLOGY FOR DUMMIES OR TREE IDENTIFICATION FOR SURVEYORS**

*Deidre DeRoia, Ph.D.*

More and more municipalities are requiring that all site and subdivision plan applications be accompanied by a Forest Conservation Plan. These plans typically require the location and identification of many or all trees on site beyond a specific diameter.

This presentation has been structured to provide a basic understanding of tree identification for the land surveyor and field technician. Tree measurements, location and typical sampling methods will be demonstrated. The primary focus of this session will be the field identification of several common tree species that are likely to be encountered in the Mid-Atlantic region along with some of the rarer species that are considered to be of special concern to some of the municipalities within our state.

**ACCURACY AND PRECISION IN SURVEYING**

*Steve Jones, Leica Geosystems, Inc.*

**Accuracy vs. Precision:** Do you know the difference? Can this affect measurement? Learn how to maintain accuracy through good field procedures.

**Topics to be covered:**
- Sources of error
- Systematic vs. Random error
- Distance vs. Angle accuracies explained in detail
- Instrument Calibration and adjustment. Is this really necessary with today’s equipment?
- Peg Tests – Simple yet very important
- Repetition vs. Directional Instruments
- Atmospheric effects
- Curvature and Refraction
- Battery Care

**CORS AND THE INTERNET**

*Robert A. Asher III, Leica Geosystems, Inc.*

With the advances in RTK algorithm performance modern CORS sites have an ability to provide reliable RTK positions simultaneously over longer ranges up to 25-35KM. This course will highlight the ability of the new Software technologies to provide end users with the ability to easily manage GPS data and monitor Networks in real-time, while providing all the necessary products (data files) required by NGS for maintaining CORS sites all accessible via the internet.

**AND THEN...**

Complementing the day will be the MSS Annual Crab Feast following the seminars. We will meet at the Crab Claw in St. Michael’s, MD – Friday, June 4 from 6:00 PM - 8:00 PM. Enjoy an “All You Can Eat Feast” for only $35 per person!

Included in the Feast will be Steamed Crabs, Buffalo Wings, Maryland Crab Soup, Vegetable Tray, Corn-on-the-Cob, Assorted Salads, Cheese & Crackers, Fruit Tray, and Cash Bar.

Each year this event keeps on getting better! So, mark your calendar and make plans to join us in St. Michael’s.
Since the first EDM and the first GPS RTK surveying system, Trimble has been helping you get the job done better and faster. Now we’re preparing you for the future. Today we introduce the Trimble R7, Trimble R8, and Trimble NetRS receivers with R-Track Technology—the first survey receivers capable of using the coming Civilian Signal (L2C) from a whole new generation of GPS satellites. We’ve come a long way together, but this is just the beginning.

TRIMBLE. ALWAYS A GENERATION AHEAD.

To learn more about Trimble and GPS modernization visit www.trimble.com/futurenow
NCEES EXAM POLICY UPDATE

From: Curt Sumner
Date: Thursday, January 08, 2004
Subject: NCEES Exam Policy 15 – Use of Calculators

According to a news release dated January 5, 2004, NCEES has specified an additional list of calculators banned from use during NCEES exams.

That list includes the following:
- Casio – CFX9850+
- Texas Instruments – TI-83, TI-85, TI-86
- Hewlett Packard – HP 41 series, HP 42S

The latest memo restates that the following calculators had been banned by an August 2003 news release:
- Hewlett Packard – HP 48GX, HP 49G

The recent memo restates that these lists are not all-inclusive, and that NCEES Exam Policy 15 provides that any calculator that has communicating or text-editing capabilities or other features that may compromise the security of NCEES exams is prohibited in the exam room.

The news release states that additional information on this matter can be found by accessing the NCEES website, www.ncees.org/exams/calculators. Many questions are posed and answered at this website. Questions may also be addressed by calling NCEES at 864-654-6824.

The following calculators are identified on the NCEES website as permissible for use during NCEES exams:
- Casio – FX-115 MS Plus, FX-250 HC
- Hewlett Packard – HP-9 series (includes HP-9g and HP-9s), HP-30s, HP-32s, HP-33s (pre-order at walmart.com)
- Sharp – EL-506 VB, EL-520 VB

Interested parties are urged to contact their state licensing board for confirmation of the board’s policies with regard to calculator use during exams.

When NSPS President John Fenn and I visited with NCEES in December, we were shown a prototype of the calculator that Hewlett Packard has developed to comply with NCEES Exam Policy 15. I do not know if the HP-33 shown above as one that can be pre-ordered from Wal-Mart is the finished version of that prototype. We were also told that Exam Policy 15 is not a new policy. It has been in place for some time, but apparently not enforced until recent incidents of exam security breaches.

NSPS President Fenn and I were assured that NCEES is sensitive to the inconvenience created by the situation, and that they are continuing to work toward a solution that is equitable.

Many comments and suggestions have been sent to NCEES on this issue expressing dismay, disappointment, and anger due to the enforcement of Exam Policy 15. We need to continue to press for resolution of the issue through the state licensing boards and the NCEES administration. I am confident that the state surveying societies are resolute in their pursuit of a solution, as is ACSM/NSPS.

Editor’s Note: Curt Sumner is the Executive Director of ACSM and his letter is reprinted here by permission.
JOE NEWLAND, PAST PRESIDENT, SUCCUMBS

Joseph Raymond Newland, 78, retired from the Washington Suburban Sanitary Commission, died of heart disease Jan. 13 while visiting relatives in Fort Myers, Fla.

Mr. Newland was born in Washington and served in the Army Corps of Engineers in the South Pacific during World War II. He did not have a college degree, but he took classes and training courses throughout his life, his wife said.

After the war, Mr. Newland worked for a private engineering firm in Hyattsville for 20 years, then got a job with the WSSC. He worked there for 12 years until his retirement in 1986. He was the president of the Maryland Society of Surveyors from 1980 through 1981, the nineteenth term for that office. He was the seventeenth person to hold the presidency.

After his retirement from WSSC, he and his wife then moved to Bedford County, Pa., where they owned and operated an antiques shop in Schellsburg.

Survivors include his wife, Kathryn S. Newland of New Paris, Pa.; three daughters, Janine Stewart of Herndon, Kathryn T. Newland of Philadelphia and Holly Larson of Woodbine, Md.; and five grandchildren.

Even though he was the last president to be elected to serve a two consecutive year term, from 1980 through 1981, Joe Newland’s presidency is marked by many “firsts.” He changed the terms of office so that the presidents and officers to follow would be elected to serve a term of only one year. He hired Jim Demma as MSS counsel, immediately commissioning him to begin work on the original “Blue Book” of Maryland law pertaining to Land Surveyors and the 20 year Statute of Repose for Land Surveys. He assigned names, not numbers, to all the MSS chapters. During his tenure, the State of Maryland examined the survey profession and the Board of Registration under the “Sunset Review” provision of state law. The “Sunset Review” strongly recommended discontinuance of the Property Line Surveyor license, which was only four years old at that time.

Joe Newland served on the Maryland Board of Registration, and was awarded Surveyor of the Year in 1985. He was a driving force for change in the Society, and will be remembered for the good that he did for MSS.

Editor’s Note: this story contains information that first appeared in the Washington Post on January 19, 2004, and information from the historical files of The Maryland Surveyor.

BOB HENRY PASSES ON

Robert P. Henry was born on February 18, 1941 in Shrewsbury, Pennsylvania and died suddenly on January 15, 2004. He left behind his wife, Darlene F. (Grice) Henry, several siblings, 4 children and 6 grandchildren.

Bob started with G. W. Stephens in 1960, making $1.00 an hour. He started the new year in 1992 by assuming the office of Chief of Surveys, and he became Vice President in 1999 (at considerably more than $1.00 an hour.) He had been licensed as a professional land surveyor since the late 1980’s and was a member of MSS.

Bob was a gentle man who loved fishing, boating and camping. He remembered the old days of transit and tape surveying but accepted new technology with grace because he knew it would provide a better, faster, more accurate job product. His encyclopedic knowledge of people, places, things and job continued on next page
histories will be sorely missed. His coworkers at GWS know that they will never forget him and his warm manner.

Information for this article and the accompanying photograph was provided by William E. Henning III, Senior Associate/Chief of Surveys-Towson, for George William Stephens, Jr. & Associates, Inc. (GWS).

R. STANLEY TRENT, FOUNDER OF SMI, DIES

CHURCH HILL – Ruell Stanley Trent, 62, moved peacefully from this life to the next on Sunday (Feb. 22, 2004) in the company of his wife of 37 years and with the love of his mother, siblings, 11 children, seven grandchildren and hundreds of friends and relatives.

Born March 31, 1941, Stanley was the firstborn of Faye Roberts Trent and the late Everett Trent of Mooresburg, Tenn. He learned ethics and hard work growing up on a farm in Hancock County with his siblings, Bruce, Steve and Nealie Kaye.

He graduated with a degree in industrial arts from Brigham Young University where he met Clyda Stevens. They were married Aug. 16, 1966 in the Oakland Temple in California. Even from the beginning, they hoped for a large family. They were blessed with Kenneth, Stacy, Phillip, Tiffany, Jared, Spencer, Benson, Emily, Mark, Austin and Cindy.

To support his growing family, he worked as a school teacher in Utah and Tennessee and later as a land surveyor. In 1983, he formed a software company, Surveyors Module Inc., and pioneered electronically-assisted surveying procedures that are used today by surveyors everywhere.

He served in several capacities as a lay minister for The Church of Jesus Christ of Latter-day Saints, notably as president of both the Kingsport and Rogersville Branches of the church and counselor in the Tennessee Knoxville Mission. He will long be remembered for his sense of humor, his stalwart character, and his unquestioning trust and love for all humanity.

He was interred at the Hamblen Memorial Gardens in Morristown, Tennessee.
SPRING PIG OUT
THE EVENT OF THE SEASON!

HOSTED BY THE MSS
APPALACHIAN CHAPTER

When, Where & How Much:
Saturday, June 19, 12 AM - 6 PM
The AMVET Farm, Routes 144 & I-70, Frederick, MD
$25/person in advance, $30 at the door

Food & Drink:
Pulled Pig, Burgers & Dogs, Salads, Desserts
Soft drinks, Iced Tea, Beer

Fun & Games:
Survey Challenges, Volleyball, Horseshoes
Door & Event Prizes
Surveying Vendor Displays & Demonstrations

For advance tickets or information:
Frederick Area – Robert Kundrick (301) 631-5296
Montgomery Co. – Bob Banzhoff (301) 948-4700
Baltimore Area – TJ Frazier (410) 997-8900
Or – Bob Pasley (301) 854-5055

Directions
From Frederick & Points West:
Follow Route I-70 to Exit 56, MD Rt. 144 (Old Rt. 40)
Follow Route 144 east 3 miles, The Farm will be on your left.

From Baltimore & Points East:
Follow Route I-70 to Exit 59, MD Rt. 144 (Old Rt. 40)
The Farm will be immediately on your right after the ramp.

SURVEYING AND MARYLAND LAW

By Brian R. Dietz,
Professional Land Surveyor

DOES THE TAX SALE OF PROPERTY STOP THE RUNNING OF THE STATUTORY TIME PERIOD OF ADVERSE POSSESSION?

In a precedent setting case the Maryland Court of Special Appeals recently answered this question.

“It is our view, and it is the holding of our cases, that a valid tax sale and proper foreclosure of the equities of redemption terminates the prior title, and creates a new title granted by the sovereign. Accordingly, the new title cannot be adversely possessed until the statutory period runs from the time of the creation of the new title.”

THE CASE

Lippert v. Jung, 366 Md. 221 (2001)
783 A.2d 206

Frederick W. Lippert et ux. v. Barry S. Jung
No. 16, September Term, 2001
Court of Appeals of Maryland
Filed: October 12, 2001

HISTORY OF THE CASE

Frederick and Ruth Lippert (appellants) claimed title to the land in question by adverse possession. The Lipperts were not aware of the tax sale, or of the proceedings to foreclose the equity of redemption.

Barry S. Jung (appellee), successor in interest to the purchaser at the tax sale, notified the Lipperts to remove various improvements from the subject property.

In response, the Lipperts filled an action to quiet title to the subject property based on adverse possession. The statutory time period for adverse possession to ripen in Maryland is 20 years. In this case 19 years occurred prior to a tax sale of the subject property. The remaining 1 year occurred after the foreclosure of the right of redemption. Mr. Jung contended that the statutory period begins to run anew for property purchased at a tax sale, where the equity of redemption has been properly foreclosed.

The courts affirmed that Maryland follows the majority view in quoting the courts in Winter v. O’Neill, 155 Md. 624, 631, 142 A. 263, 266 (1928):

“If the tax deed and the proceedings upon which it is based are valid, it clothes the purchaser not merely with the title of the person who was assessed with the taxes, but with a new and complete title in the land, under independent grant

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from the sovereign authority, which bars or extinguishes all prior titles, interests, and encumbrances of private persons, and all equities arising out of the same. It requires no argument to demonstrate that, when a governmental agency is empowered to levy taxes for the purpose of producing revenue for the support of the government, it is necessary that a method be provided by which the payment thereof may be enforced. When this method is sale at public auction to the highest bidder, it is essential, in order that there may be bidders at such sale, that the purchaser’s title be protected, in cases where the statutory essentials of the sale are substantially complied with; otherwise the collection of taxes would be seriously impaired.”

In conclusion the courts ruled “We perceive that the position that the Maryland courts have adopted in the past as to the status of tax titles arising out of proper tax sales, a position we now reaffirm in this case, is consistent with the majority view around the country - that properly acquired tax titles are new grants of title by the sovereign entity. Therefore, appellants’ adverse possession of the property did not survive the proper foreclosure of redemption and appellants have no claim to the property.”

Editor’s Note: Brian Dietz is Howard Chapter chair and recently had cause to write this short synopsis, which he has shared with us.
Carroll County residents celebrated the county’s 167th anniversary Monday while learning the history of the county’s borders to the north and east.

Richard Hull, president of Carroll Land Services Inc., gave a presentation on the Mason-Dixon line. Hull explained the backgrounds of surveyors Charles Mason and Jeremiah Dixon, the two surveyors who were hired to survey and mark the border between Maryland and Pennsylvania.

The Maryland-Pennsylvania border was originally set at the 40th parallel of latitude, Hull said, but when the Penn family of Pennsylvania realized that they were landlocked, they appealed to the king of England to move the line further south. After many years of debate and waiting, the king decided to move the line 19 miles south, Hull said, to give Pennsylvania access to the headwaters of the Chesapeake.

If the line had remained at the 40th parallel, Carroll County – which borders 22 miles of Pennsylvania – would have been 400 square miles larger, Hull said.

Gary Ganjon and Keith Heindel, two surveyors from CLSI, gave a presentation on their efforts to retrace the Carroll County-Baltimore County line.

Heindel said a group of volunteers started their search for the original line and stone markers in 2000. The line starts at the Md. 140 bridge and goes 16.25 miles north to the Mason-Dixon Line.

Heindel said the survey team originally found four of the nine stone markers that surveyor Amon Richards and his crew used in August 1841 to lay out the line. They survey was done in six days, Heindel said, at a cost of $115.50.

“Don’t use that quote for a job today,” Ganjon joked.

Using a GPS device, the team found that the existing stones were between 110 to 318 feet off their mark if the surveyors were trying to lay a straight line. That isn’t too bad considering the equipment they were using, Heindel said.

“They just ran the line. They weren’t concerned with anything else,” he said.

Barbara Lilly, president and CEO of the historical society, thanked the speakers for their contributions to studying the county borders, especially considering the work was all done on volunteer time.

“They truly were a labor of love,” Lilly said. “Thank you gentlemen for keeping that alive.”

The anniversary celebration was held at a location of much county history, which is also the county’s newest addition to the National Register of Historic Places – the Inn at Roop’s Mill, in Westminster.

Owner Jack Cugle said he had been working with the Historical Society of Carroll County during the past year to find old photographs of the property to aid him in the restoration of the property’s buildings.

When the historical society mentioned the county’s upcoming anniversary celebration, Cugle said he offered the Roop’s Mill property and the ballroom for the celebration’s location. The ballroom was constructed to serve as a reception hall for weddings, luncheons and other catered events, Cugle said, and should be completed in the next three weeks.

*Editor’s Note: this story was written by Carroll County Times staff writer Carrie Ann Knauer and is reprinted here by permission.*
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SOCIETY CONTRIBUTES TO EXPANSION OF NORTH AMERICA’S ONLY MUSEUM OF SURVEYING

Like any land surveyor, David Lee Ingram knows that careful, steady work yields quality results. It is a principle that applies in surveying or when you are trying to build a surveying museum.

Ingram, who lives in Virginia, is president of the Museum of Surveying in Lansing, Michigan. Through personal letters, phone calls, and pilgrimages to gatherings of surveyors around the nation, Ingram has been executing a mission to raise $600,000 by 2005 for expansion of the 15-year-old museum. Working with him are many volunteers and an active board of directors, including Dale Becks, an antique instrument expert and Ruth Armitage, the museum’s retired curator and current board member. Handling the day to day operations is Lisa Jacobs, a historian and the museum’s full-time executive director.

In 1989, the Michigan Museum of Surveying was born. The museum began as a project of the Michigan Society of Registered Land Surveyors Foundation. Initially there was State of Michigan funding. That dried up and the project became privately funded. But Ingram and other organizers, all volunteers, soon began to see the museum had significance beyond Michigan. It is the only museum in all of North America (and possibly the world, they believe) dedicated to the history of surveying. Its purpose, states its literature, to “present both the stories of the people who struggled across uncharted wilderness to map the landscape and the stories of craftsmen and machinists who made the fieldwork possible.”

Exhibits trace the development of surveying from its ancient origins in Mesopotamia to modern equipment and techniques, emphasizing United States and Michigan history. The museum also houses a video library and archives valuable to those pursuing research.

As Ingram puts it, “a surveyor can’t know where he is going unless he knows where he’s coming from.”

Current exhibits include a wooden compass from 1810. Settlers anxious to delineate their boundaries and impatient for imported brass compasses fashioned compasses made of wood. “New settlers decided that an imperfectly measured boundary was better than none at all,” reads the museum literature.

On display as well is a Berger Transit from 1906 and a circular dividing engine that produced it.

“Surveying, measuring and mapping land is something we all take for granted,” says Ms. Jacobs. “The way people use land today is completely influenced by decisions our forefathers and foremothers made.” For instance, it was important to Thomas Jefferson that surveys be measured in ways that people could understand – and so the rectangular survey system of the United States was born. Ms. Jacobs reports there are two man-made infrastructures visible from Earth’s orbit—the Great Wall of China and the rectangular survey system of our country.

The careful, steady work of Ingram and his museum proponents has been paying off. So far, they are 40 percent of the way toward their goal of $600,000. The Maryland Society of Surveyors contributed $2,000 toward the cause. So far, along with Maryland, Michigan, Virginia, West Virginia, New Jersey, the District of Columbia, and Ohio have made donations to the capital fund.

“We are happy to help Dave and all of his hard-working volunteers to build a museum we can all be proud of,” said George Wigfield, President of the Maryland Society of Surveyors about the donation.

The renovation will double the exhibit space to about 2,500 square feet. A library/conference room is part of the plans. There maps, books and papers will be accessible to researchers and curious visitors. The plans also include continued on page 20
improved storage and climate control to help preserve the artifacts. The Michigan Society of Surveyors has pledged $150,000 toward the effort as it will share office space with the museum. Lisa Jacobs is the museum’s full-time executive director, and there is one part-time staff member.

Ms. Jacobs, Mr. Ingram and the board of directors sees public education as a key goal. They wish to make the museum’s 500-volume collection of surveying related books available to the public. Now the museum can only handle small groups, but with expanded exhibit space, there can be interactive demonstrations and educational programs for visitors and school groups.

SUPPORTING SURVEYORS’ HISTORY

Membership in the Museum of Surveying is available to anyone with an interest in preserving the heritage of the surveying profession. The annual membership fee begins at $35. Membership entitles you to a copy of The Museum Newsletter, use of the Museum’s growing reference and video library, advance notice of new exhibits and special visitors, the opportunity to participate in reenactment surveys, and much more. For further information about the Museum or membership, please contact the museum at (517) 484-6605 or email at MuseumofSurvey@acd.net.

Visiting the museum’s website will also lead you to the following web resources:

• Surveyor’s Historical Society
• Washington Map Society
• Oughtred Society
  (for historians and slide rule collectors)
• And the Virtual Museum of Surveying at www.surveyhistory.org (managed by Ingram himself). At that site, there is a wealth of information, including The Compass Maker’s Directory and this list of “Newest Features Added:”–
  – How Old Is My Heller & Brightly?
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standards in general, both on a personal level and in business practices.

Not only are these useful topics, but you can view the video and complete the Outcome Measures Worksheet, and earn credits toward license renewal. It is a convenient and no-hassle way to fulfill CPC requirements. If your time is limited and your workload makes it hard to get away to a chapter meeting or conference, this video series may be the solution you need.

“The quality of the videos is excellent. Everyone would be wise to get them, even if they get their credits somewhere else. It is such an easy way to learn and get your credits in the comfort of your own home,” said M. Virginia Rosenbaum, LS, who recently purchased all three videos.

To order the video, download a copy of the order brochure from the Society website – www.marylandsurveyor.org.

ANONYMOUS COMPLAINTS TO PROFESSIONAL BOARDS

From time to time, the Board for Professional Land Surveyors along with other boards receive anonymous complaints against various individuals. Dealing with any anonymous submittal presents several dilemmas for the board:

Complaints are required to be submitted on forms provided by the board and must be signed under oath.

Explanation, clarification or additional information is often needed from the complainant.

Boards have concerns about the validity of the allegations. Complaints may actually veil a personal vendetta.

When an individual files a complaint there is a point of direct contact. Without that, the suspect nature of the anonymous complaint limits the ability of the board to conduct its own investigation. The volunteer board has very limited time and investigative resources to substantiate claims beyond those validly filed monthly. Complaint forms are available on-line at http://www.dllr.state.md.us/forms/oandpcomplaint.doc

State Board for Professional Land Surveyors
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Now is the time, before it is too late. Timing this year is slipping away. In this issue of the *Maryland Surveyor* you will find “FAQ” about the TrigStar program. Also, visit the newly added category on the MSS web page for TrigStar for much more information. It is neither time consuming nor hard to sponsor a program, but you need to get about it **NOW**.

Based on my own experience, a local TrigStar program is a good chapter project. In one of our MSS board meetings last fall, a motion was passed that made each Chapter Chair or his designee responsible for organizing and coordinating a TrigStar program for the chapter. This means we can actually have a potential of eleven local schools participating in Maryland this year. Also, at the last MSS board meeting, a motion was passed to award the Maryland State winner a $250 prize from the society. I recommend that the chapters award $100 prize to the local school winner. I know from past experience that this will get student's attention. There are also National prizes. The Richard E. Lomax National Trig-Star Scholarships and Teaching Excellence Awards are provided by the National Society of Professional Surveyors and are: (1) First place winner – $1,000.00 scholarship, (2) Second place winner – $500.00 scholarship, and (3) Third place winner – $250.00 scholarship.

Key dates to keep in mind as you plan your program are:

- Wednesday, May 5, 2004 – complete the local school testing.
- Friday, May 7, 2004 – Complete the grading of local test and submit result to the State Coordinator.

Thursday, May 13, 2004 – State Coordinator declares State winner.
- Friday, May 14, 2004 – State Coordinator forwards results to NSPS.
- June 2004 – National test given to State winners.
- July 2004 – National exam graded and National winners declared.
- October 2004 – Presentation of MSS prize to State winner.

In case you do not know, the purpose of the TrigStar Program is as follows: (1) to promote the study of trigonometry in high school and to promote excellence in the mastery of trigonometry by honoring the individual student who has demonstrated superior skill among classmates at the high school level; (2) to acquaint the high school trigonometry students with the use and practical application of trigonometry in the surveying profession; and (3) to build an awareness of surveying as a profession among the mathematically-skilled high school students, career guidance counselors and high school math teachers.

If you have any questions, please contact me, **John Mettee** at Frederick Ward Associates, Inc. at 410-838-7900.

**EVERYTHING YOU WANTED TO KNOW ABOUT TRIG-STAR, BUT WERE AFRAID TO ASK**

**What is Trig-star?**
This is a national test sponsored by NSPS. It uses trigonometry with a focus on real-world problems. It is also an effort to bring surveyors before students. One aim of the test is to increase awareness of the land surveying profession among students and teachers.

**What Can You Do?**
There are many different levels of participation; it's up to you. The test can be the total extent of your involvement or just one component of your involvement.

**Levels of Involvement:**
1. **Simple:** As a local sponsor of the test, you will need to contact the school, provide the materials, collect the results and hand out a prize.

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Trig-Star continued from page 21

2. **Involved:** In addition to the above, you make a short presentation to the class about surveying. Use any combination of videos (NJSPILS), your instruments, your maps, or your own materials.

3. **Hands-on:** In addition to the above, plan a survey of the school yard. Conduct a field survey and help them draw the CAD map.

**How Much Time will it Take?**
Naturally, each case is different, but for the simple level you can expect to spend 5-10 hours. Other levels are entirely dependent on you.

**What Do the Kids Win?**
They get an introduction to a great profession, and they get to see a real-world application of math (teachers love that!) But whom are we kidding; the kids get some dough. This depends on each chapter and/or sponsor. State winners also compete in a national championship where national scholarships are awarded to top three winners.

**What’s In It for Me?**
Simply put — your future. Tomorrow’s field crews, CAD operators and licensees have to come from somewhere. This is one tool to get kids interested. Besides, you get to be the guy with cool gadgets handing out prize money.

**Where Do I Get Information?**
Information is available on the web. [http://www.acsm.net/trigstar/sponsor.html](http://www.acsm.net/trigstar/sponsor.html). Also check out MSS web. [http://www.marylandsurveyor.org](http://www.marylandsurveyor.org). Please contact John Mettee, MD State TrigStar Coordinator, if you plan to sponsor a school and for administration. You can do it!

**Who is Maryland State TrigStar Coordinator?**
John V. Mettee III
Frederick Ward Associates, Inc.
jvm@fredward.com
Phone: (410) 838-7900
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