

MISSISSIPPI SURVEYOR

December 2024



**MISSISSIPPI ASSOCIATION
OF PROFESSIONAL SURVEYORS, INC**

OFFICERS

President

Jim Booth ,PS

jboothsurveyor@gmail.com

Past-President

Joe Byrd, PS

joebyrd@bellsouth.net

President-Elect

Chad Ainsworth ,PS

cainsworth@mdot.ms.gov

Secretary/Treasurer

Tim Brewer, PS

NSPS Governor

Tim Brewer ,PS



POST OFFICE BOX 3549
BROOKHAVEN, MISSISSIPPI 39603

PHONE: 601-757-7691

WEBSITE: www.mississippisurveyor.com

Email: mississippisurveying@gmail.com

DIRECTORS

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Clay Beckwith, PS

preciselandservices@yahoo.com

Garrett Dendy, PS

garrettdendy@gmail.com

Central Director

Kevin Hines, PS

khines@wgkengineers.com

Jeff Black , PS

jblack@maptech-survey.com

SOUTHERN DIRETORS

Larry Saucier, PS

lsaucier@seymoureng.com

Paul Stenum ,PS

stenumsurvey@cableone.com

**New Email
For MAPS**

mississippisurveying@gmail.com

Email Change?

Don't Miss out on anything .Let Us Know.

MAPS only emails .

There are two ways to let us know

- 1) Email : mississippisurveying@gmail.com
- 2) drop us a note to the above address

Presidents Message

James 'Jim' Booth, Jr., PS

I hope everyone is doing well and that you have had a prosperous year. It has been an honor to serve MAPS as your president for 2024. I would like to thank the membership for allowing me this opportunity.

MAPS is constantly looking out for attacks to our profession. Though you may not be aware, we have Trey Bobinger keeping an eye on any proposed legislation that is related to surveying. With today's advances in technology, there are corporations that would like to take away our profession by using GIS and imagery. By having a strong membership in MAPS, our voices can make a difference.

Hopefully, everyone had a great Thanksgiving and will have a wonderful Christmas. I look forward to seeing all of you at our 2025 Annual Convention in Vicksburg on February 6th and 7th. Our scheduled speakers are Logan Campbell to discuss drone surveying and Wes Burkett to discuss railroad research and surveying on or near a railroad.

As many of you may know, there has been a request for venue changes. This will be our last meeting in Vicksburg for the annual and we will move to Tupelo for 2026. MAPS is currently working on moving the summer seminar to a different location as well. More to come as we work on contracts with the venue.

In closing, please share your knowledge of surveying with the younger generation as they are our future.

MISSISSIPPI ASSOCIATION OF PROFESSIONAL SURVEYORS
Board of Directors Meeting Minutes
July 17, 2024

Golden Nugget Convention Center
151 Beach Boulevard
Biloxi, Mississippi

1. Call to Order 1:30 PM Actual: 1:30 PM

2. Approve Minutes April 20, 2024 Meeting: Motion: Kevin Hines **Second:** Jeff Black Approved: Unanimous

3. Treasurer's Report: Motion: Paul Stenum **Second:** Kevin Hines Approved: Unanimous

4. Review Membership Applications: N/A

5. Additions to Agenda:

New Business: 3) SPC 2022

6. Old Business:

A. Workshops 2024

Flowood: November 9, 2024 Board of Directors Meeting

- Ethics – Paul Stenum
- Standards of Practice

Oxford: December 7 – Full Day

Chad Ainsworth- presenting

B. Capitol Day

a. Date TBD

C. 811 Update – Joe W. Byrd

- a. House Bill 1063
- b. Expected 2025 Legislative Action to Require Locators to obtain GIS software capable of utilizing 811 system data for marking area

D. NSPS Update: Provided by Tim Brewer

- a. Farm Bill 2024
- b. Strategic Plan
- c. Committee Re-Organization
 - a. Military Committee

E. 2024 Summer Seminar – July 18-19, 2024

- a. 75 Pre-Registrants

F. Annual Convention 2025 – February 6-7

a. Speaker: Logan Campbell of Aerotas

a. Drone Accuracy

b. How to Pick the Drone for Surveying

G. Annual 2026 – February 5 & 6 2026 Tupelo

a. Dennis Moulard

H. Standards of Practice - Online

a. New Questions for Exam needed

I. 2024 Officer & Director Election Ballot

- President Elect: Kevin Hines & Chris Pesnell
- Northern District Director: Justin Cleveland & Raymond Gillon
- Central District Director: Trey Brown & Stuart Green
- Southern District Director: Greg Thompson & Larry Saucier

New Business:

1. Executive Director - Salary

- a. A motion was made by Jeff Black, with a second to the motion by Paul Stenum, to increase the salary of the Executive Director to \$40,000. Motion Carried Unanimously.

2. Summer 2025

- a. A motion was made by Clay Beckwith to move the location of the Summer Seminar 2025 to the Margaritaville facility on the dates of July 16-18, 2025, pending the negotiation of an acceptable contract. A 2nd to the motion was provided by Jeff Black. Motion Carried

3. State Plane Coordinates 2022

- a. Discussion Held on the status and future legislation

Next Meeting: November 9, 2024 Hilton Garden Inn - Flowood

Motion to Adjourn: Kevin Hines 2nd by Larry Saucier Motion Passed

Executive Director Message

Debra Byrd

The 2025 Annual Convention will be February 6 & 7, 2025 at the Vicksburg Convention Center. We have a good group of topics. The registration is in the newsletter and online.

Dues renewal has started you should have got an email from me. The dues renewal is online and in the newsletter.

In 2025 we are doing some changes on where the Annual and Summer will be at. Please keep up with the newsletter on changes. This may not be permanent changes, but have heard from attendee's that you would like to see a change in venue. Please turn in the questioners at the conventions, The board does read them.

Thank you to all the membership for your support of MAPS. Without the membership MAPS would not be able to help the surveying profession.

MAPS email has changed, please send emails to mississippisurveying@gmail.com .

Remember, everything will be emailed out again this year. So please, if you change your email let MAPS know.

Please encourage anyone you know that is not a MAPS member to join. We are only as strong as our membership.

The contact information for MAPS:

Mailing Address

P. O. Box 3549
Brookhaven, MS
39603

Phone Number

601-757-7691

Email:

mississippisurveying@gmail.com

Website: www.mississippisurveyor.com

MAPS CALENDAR

Upcoming Seminars & Workshops

MAPS December Workshop

December 7, 2024

Oxford Conference Center, Oxford, MS

Capital Day

January 21, 2025

MAPS 2025 Annual Convention

February 6 & 7, 2025

Vicksburg Convention Center, Vicksburg, MS

MAPS Summer Seminar

July 17 & 18, 2025

Golden Nugget, Biloxi, MS

MAPS 2026 Annual Convention

February 5 & 6, 2026

Cadence Conference Center, Tupelo, MS

Issue 37 October 2024

The NOAA logo is circular with a blue border. Inside, it says "NOAA" in white on a dark blue background. Around the inner circle, it reads "NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION" at the top and "U.S. DEPARTMENT OF COMMERCE" at the bottom. The background of the logo features a stylized white wave.

NSRS Modernization News

For all issues of **NSRS Modernization News**, visit:
geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml

Federal Register Notice on Updated Timeline and Process for Rolling Out Modernized NSRS

On October 9, NOAA's National Geodetic Survey (NGS) published a [Federal Register Notice](#) to inform the public on the updated timeline and process for rolling out the modernized National Spatial Reference System (NSRS).

NGS will roll out components of the modernized NSRS over time (2024–2026) at beta.ngs.noaa.gov, where it can be publicly tested and users can provide feedback to NGS. The testing will continue for at least 6 months after the final components are released on the Beta website. In 2026, barring any unforeseen issues, the current NSRS will be replaced with the modernized NSRS within a few months of Federal Geodetic Control Subcommittee (FGCS) approval. Learn more by watching [this webinar](#).

Progress in Ongoing Projects

There are currently **22 ongoing projects** related to NSRS modernization around NGS. Here is an update from two related projects:

LASER (Project Manager: Dr. Dru Smith)

On September 28, 2024, the contract with Polaris Geospatial Services (PGS) came to an end. This three-year collaborative effort yielded a new software suite called LASER, (Least-squares

Adjustments: Statistics, Estimates and Residuals). LASER will replace all of the disparate least-squares adjustment (LSA) programs in current use around NGS. It is currently capable of adjusting geometric networks (GPS + angles/distances), leveling networks, gravity networks, vertical gravity gradient surveys and calibration baselines. The LASER suite (currently version 3.0.0) will be the main engine behind the estimation of reference epoch coordinates (RECs), survey epoch coordinates (SECs) and in OPUS-Projects. LASER is for use within NGS, and is not scheduled for general public release.

RINEX 3 (Project Manager: Sarah Conway)

The RINEX 3 team has created a project roadmap and initial system architecture. They are working toward enhancing and replacing the current RINEX 3 ingest system and creating a dashboard for RINEX 3 system monitoring. They are currently evaluating existing code and designing UI/UX system storyboards.

MMT (Project Manager: Matt Starr)

The NCN Metadata Management Tool (MMT) team has settled on a final architectural design for the application. The team has created a project road map and are working towards deployment. They are currently making headway into deploying a version to the Dev environment for evaluation targeting mid-October.

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Thoughts on Professional Practice and Education

Article 13: Pursuit of Graduate Education

by Knud E. Hermansen[†]

P.L.S., P.E., Ph.D., Esq.

This is the thirteenth article I have prepared in the series offering thoughts on professional practice and education. In this article I am going to give my thoughts on obtaining graduate education. I will define graduate education as any education earned beyond the undergraduate bachelor degree.

I will start with the premise that graduate education is not necessary for a rewarding and successful surveying career. I would even go so far to state that for many surveyors, obtaining graduate education will not gain an economical return on the investment. Finally, I will readily admit that there are numerous surveyors without a graduate education or even an undergraduate degree that are far more intelligent than many people with graduate education including more intelligent than me. In other words, three graduate degrees does not make me more intelligent than many surveyors without a degree. If you are content with your position in the profession, your future, and your prospects, you do not need to consider graduate education.

There are three reasons to embark on graduate education. The first is to expand the depth of your knowledge. This would be accomplished by obtaining advanced education in surveying. The second reason is to expand the scope of knowledge. Expanding the scope of knowledge would occur by obtaining advanced education in a discipline other than surveying such as business administration, law, public administration, civil engineering, or forestry, as examples. The third reason is to qualify for other employment or licenses. For example, a graduate degree is generally required for a tenured college faculty position.

As a consequence, a person with an undergraduate degree in philosophy that decides to pursue surveying, may wish to consider getting a graduate degree in surveying rather than an undergraduate degree in surveying. A person with a surveying degree may wish to obtain a graduate degree in business administration.

The first graduate degree is generally a master's degree (e.g., Master of Science, Master of Arts, Master of Business Administration). The master's degree tends to focus on a specific discipline. There is little, if any, requirements when obtaining a master's degree for earning non-discipline specific courses to provide for a 'rounded' education. Thirty credits are generally required for a master's degree. Some of the credits may be awarded for research and thesis. The thirty credits may be composed entirely of surveying or surveying related coursework.

For the person interested in graduate study, there are two decisions that must be made. The first decision is to decide the focus of graduate study. The person must decide if studies will be in surveying or another field such as civil engineering, business, law, etc. The next decision is to decide the intensity of study. What I mean by intensity of study is the goal of graduate education. The easiest route for graduate education is to obtain a graduate certificate in a certain field. A graduate certificate at the University of Maine requires 12-15 credits of study, depending on the field of study. The next level of intensity is a master's degree that generally

requires around 30 credits of study. Finally, a doctorate requires 42 to 90 credits of study beyond the bachelor's degree. In some cases, a person can achieve the ultimate goal of obtaining a graduate degree by taking smaller steps. For example, the credits used to obtain a graduate certificate can later be used to obtain a master's degree. The credits obtained in a master's degree can often be used toward a doctorate. There are exceptions such as a law degree where there are no intermediate goals toward obtaining a juris doctorate (law degree).

A student that seeks to embark on graduate education should be aware that many graduate programs will not accept or only accept a limited number of credits from another university. For example, a university that requires 30 credits of graduate study to obtain a master's degree may only accept six credits from another university. The program would require 24 credits be obtained at the university awarding the graduate degree.

† Other books and articles by Knud can be found at <https://umaine.edu/svt/faculty/hermansen-articles/>



Mississippi Association of Professional Surveyors

Post Office Box 3549, Brookhaven, Mississippi 39603

Phone (601) 757-7691

Email : mississippisurveying@gmail.com Website: www.mississippisurveyor.com

MEMBER DUES and MEMBERSHIP APPLICATION STATEMENT

PLEASE COMPLETE THE FOLLOWING:

Name: _____ MS PS Number _____
First Last MS PE Number _____

Address: _____

City & State _____ Zip Code _____ County _____

Cell Phone: _____ Employer _____

Email: _____

***All correspondence will be by Email**

CLASS OF MEMBERSHIP-

Check One

REGULAR MEMBER:

A registered surveyor in the state of Mississippi (includes NSPS Membership dues)

Annual Dues \$ 170.00

NON- RESIDENT REGULAR MEMBER:

Surveyors registered in the State of Mississippi, but not a resident of Mississippi.

Annual Dues \$ 130.00

NON- RESIDENT REGULAR MEMBER (WITH NSPS MEMBERSHIP):

Annual Dues \$ 170.00

ASSOCIATE MEMBER:

Any person registered as a Surveyor Intern (SI) or interested in becoming licensed as a Professional Surveyor, one engaged in surveying or related work.

Annual Dues \$ 80.00

ASSOCIATE MEMBER (WITH NSPS):

Associate member that would like to be a NSPS member

Annual Dues \$ 120.00

STUDENT MEMBER:

Any person, who is enrolled as a full-time student (taking a minimum of 12 semester hours) at any school in the State of Mississippi, or enrolled in high school. (includes NSPS Student Membership dues)

Annual Dues \$ 20.00

- *Membership dues are payable on January 1 and must be paid prior to February 1 each year. If the dues are not received by or postmarked by January 15, a 25% late fee will be assessed. If the dues are not received by February 15, the membership will be considered inactive.*
- *I agree to abide by the By-Laws and Constitution for the Mississippi Association of Professional Surveyors.*

Signature _____ Date _____ Year _____



Mississippi Association of Professional Surveyors

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Phone (601) 757-7691

Email: mississippiisurveying@gmail.com Website: www.mississippisurveyor.com



2025 BUSINESS DUES / MEMBERSHIP APPLICATION STATEMENT

Company _____

Company Address _____

City _____ State ____ Zip _____ County _____

Contact Person _____

Phone: _____

E-Mail Address _____

****All correspondence will be by Email**

Membership Applied for:

 BUSINESS MEMBER: Annual Dues \$ 180.00

A Firm engaged in a business related to Surveying and interested in the advancement of the Surveying Profession with this membership, we will print company business card (**please include business card**) in MAPS newsletter.

- *I agree to abide by the By-Laws and Constitution for the Mississippi Association of Professional Surveyors.*
- *Membership dues are payable on January 1 and must be paid prior to February 1 each year. If the dues are not received by or postmarked by January 15, a 25% late fee will be assessed. If the dues are not received February 15, the membership will be considered inactive.*

Signature _____ Date _____ Year _____

MAPS 2025 Annual Convention Agenda

Vicksburg Convention Center

Thursday, February 6, 2025

- 7:00 AM REGISTRATION
- 7:30 AM **How accurate are drone surveys**
Logan Campbell (PDH: 2.0)
- 9:30 AM Break/View Exhibits
- 10:00 AM **How to pick the right drone for surveying**
Logan Campbell (PDH: 2.0)
- 12:00 PM Lunch/View Exhibits-
Lunch Included with Registration
- 1:00 PM **Railroad research and Surveying**
Wes Burkett (PDH: 2.0)
- 3:00 PM Break/View Exhibits
- 3:30 PM **Railroad research and Surveying**
Wes Burkett (PDH: 2.0)
- 5:30 PM ADJOURN

Hotel Details

Please mention you are with: Mississippi Association of Professional Surveyors or MAPS for special group rate. You will need to make your reservation by January 29, 2025

Hampton Inn - \$149.00
601- 636-6100 or online Group code MSA
3330 Clay Street
Vicksburg, MS 39180

Friday, February 7, 2025

- 7:00 AM REGISTRATION
- 7:30 AM **Chad Ainsworth**
(PDH: 2.0)
- 9:30 AM Break/View Exhibits
- 10:00 AM **NGS**
(PDH: 1.0)
- 11:00AM **Open Forum**
Board of Licensure & MAPS Board (PDH: 1.0)
- 12:00 PM Lunch/View Exhibits-
Lunch Included with Registration
MAPS General Membership Meeting (PDH: 1.0)
- 1:30 PM **Ethics**
(PDH: 1.0)
- 2:45 PM Break/View Exhibits
- 3:00 PM **Standards of Practice**
(PDH: 1.0)
Tim Brewer - 5 year or less (PDH: 1.0)
- 4:00 PM **LA Standards -**
Tim Brewer - (PDH: 1.0)
- 5:00 PM ADJOURN

MAPS 2025 ANNUAL CONVENTION REGISTRATION FORM

February 6 - 7, 2025, Vicksburg Convention Center, Vicksburg, MS

MAPS Member Seminar Registration Fees:	* Full Package Includes: Registration for Thursday and Friday Seminar Lunch is Included with registration for Thursday and/or Friday												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px dashed black;">Member – Full Seminar Package* 15 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$360.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Thursday only 8 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$210.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Friday only 7 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$210.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Spouse or Extra Lunch - Per day \$25.00 x _____</td> <td style="border-bottom: 1px dashed black;"></td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> </table>	Member – Full Seminar Package* 15 PDH	\$360.00	\$ _____	Thursday only 8 PDH	\$210.00	\$ _____	Friday only 7 PDH	\$210.00	\$ _____	Spouse or Extra Lunch - Per day \$25.00 x _____		\$ _____	
Member – Full Seminar Package* 15 PDH	\$360.00	\$ _____											
Thursday only 8 PDH	\$210.00	\$ _____											
Friday only 7 PDH	\$210.00	\$ _____											
Spouse or Extra Lunch - Per day \$25.00 x _____		\$ _____											
<i>Non-Member Seminar Registration Fees:</i>													
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px dashed black;">Non-Member -Full Seminar Package* 15 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$570.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Thursday only 8 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$320.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Friday only 7 PDH</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$320.00</td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> <tr> <td style="border-bottom: 1px dashed black;">Spouse or Extra Lunch - Per day \$25.00 x _____</td> <td style="border-bottom: 1px dashed black;"></td> <td style="border-bottom: 1px dashed black; text-align: right;">\$ _____</td> </tr> </table>	Non-Member -Full Seminar Package* 15 PDH	\$570.00	\$ _____	Thursday only 8 PDH	\$320.00	\$ _____	Friday only 7 PDH	\$320.00	\$ _____	Spouse or Extra Lunch - Per day \$25.00 x _____		\$ _____	You may pay for your spouse or other to eat lunch for Thursday and /or Friday
Non-Member -Full Seminar Package* 15 PDH	\$570.00	\$ _____											
Thursday only 8 PDH	\$320.00	\$ _____											
Friday only 7 PDH	\$320.00	\$ _____											
Spouse or Extra Lunch - Per day \$25.00 x _____		\$ _____											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">License Surveyor 5 year or less</td> <td style="width: 50%; text-align: right;">Yes _____</td> </tr> <tr> <td>Louisiana Standards of Practice</td> <td style="text-align: right;">Yes _____</td> </tr> </table>	License Surveyor 5 year or less	Yes _____	Louisiana Standards of Practice	Yes _____	Please mail this form in with payment. Or Email Form & pay online. You will not be registered for the convention until payment has been received.								
License Surveyor 5 year or less	Yes _____												
Louisiana Standards of Practice	Yes _____												
Late Registration <u>after January 15, 2025</u> add \$50.00 \$ _____													
NO REFUNDS AFTER: January 15, 2025													
Total Fees Paid: _____													

Seating is limited. Pre-Register early. Registration at the door will be based on space available.

Name for Badge: _____

MS PLS #: _____

Email: _____

**All speakers' handouts will be Digital. No Handouts will be Printed.
Handout if any will be emailed the week before convention.**

Please return this form along with your payment to:

Mississippi Association of Professional Surveyors

P. O Box 3549, Brookhaven, MS 39603

Phone: 601-757-7691

Website: mississippisurveyor.com

email: mississippisurveying@gmail.com

2024 BUSINESS MEMBERSHIPS

We would like to thank these businesses for their support of MAPS.

Joe W. Byrd & Associates, Inc.
Surveying & Mapping



Joe W. Byrd, PS
President

Lat N31°33'08.09424"
Long W90°23'10.81100"

Ph 601-833-5564

joebyrd@bellsouth.net
Licensed in MS & LA

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President

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Oxford, MS 38655

Jordan, Kaiser and Sessions

279 Lower Woodville Rd

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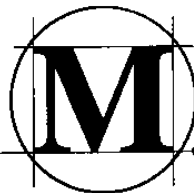
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