

"Surveys and Surveyors of Utah Territory"

Surveyors Historical Society & Utah Council of Land Surveyors

September 18-21, 2019 Doubletree Hilton Hotel, Selt Lake City Airport





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## WEDNESDAY, SEPTEMBER 18, 2019:

- 4:00 pm 10:00 pm: HOSPITALITY ROOM OPEN: ECCLES ROOM.
- \$:00 am Noon: BOARD OF DIRECTORS RETREAT (Board Members Only); ARCHES ROOM.
- Noon 1:00 pm: LUNCH. (on our own).
- 1:00 pm 4:30 pm: BOARD OF DIRECTORS MEETING (Open to All): ARCHES ROOM.
- . 5:00 pm 9:00 pm: REGISTRATION; SALT CREEK BALLROOM OR LAKE PATIO OUTSIDE
- 4:30 pm 6:30 pm: "WELCOME WEARY TRAVELERS MEET AND GREET" RECEPTION; SALT CREEK BALLROOM or if

## nice, LAKE PATIO OUTSIDE

- 6:30 pm 7:00 pm: ORIENTATION; SALT CREEK BALLROOM OR LAKE PATIO OUTSIDE
- √√2:00 pm 8:00/8:30 pm: ANNUAL GENERAL MEMBERSHIP MEETING; SALT CREEK BALLROOM.

### THURSDAY: SEPTEMBER 19, 2019:

- 7:00 am on: REGISTRATION; FOYER TO BRYCE & SNOW ROOMS.
- 7:00 am 8:00 am: Breakfast; on your own
- 8:00 am 10:00 pm: HOSPITALITY ROOM OPEN: ECCLES ROOM.
- . 8:00 am 8:30 am: WELCOME; BRYCE & SNOW ROOMS
- 8:30 am 9:15 am: CLASSES; BRYCE & SNOW ROOMS
  - "William Eimbeck & the Survey of the 39th Parallel by the U. S. Coast Survey" by Skip Theberge, Chief historian for the USC&GS (retired) & Jaromy Jessop as co-presenter.
- 9:15 am 10:00 am: CLASSES; BRYCE & SNOW ROOMS
  - CONTINUED: "William Eimbeck & the Survey of the 39th Parallel by the U.S. Coast Survey"
- 10:00 am 10:15 am: BREAK; FOYER
- 10:15 am 11:15 am: CLASSES; BRYCE & SNOW ROOMS
  - deh "Stansbury's 1849 Expedition to the Great Salt Lake" by John Stahl
- 11:20 am NOON: CLASSES, BRYCE & SNOW ROOMS
  - o TBD
- NOON 1:15 pm: LUNCH; BRYCE & SNOW ROOMS
  - Possible Luncheon Speaker
- 1:15 pm 2:15 pm: CLASSES; BRYCE & SNOW ROOMS
  - o "Spanish Exploration of the Old Spanish Trail" by Jeremiah R Cunningham, Utah State University
- 2:15 am 3:00 pm: CLASSES; BRYCE & SNOW ROOMS

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## PROGRAM

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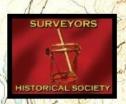
Provo Peaks

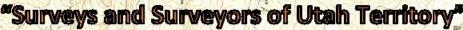
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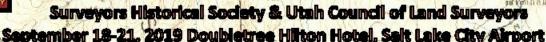
"The Life and Explorations of John Wesley Powell" by Michael Stewart 3:00 pm - 3:15 pm: BREAK; FOYER 3:15 pm - 4:00 pm: CLASSES; BRYCE & SNOW ROOMS CONTINUED: "The Life and Explorations of John Wesley Powell" 4:00 pm - 5:00 pm; CLASSES; BRYCE & SNOW ROOMS "Theodore Judah and the Central Pacific Railroad" by Bart Crattie, Lookout Mtn, Georgia 6:30 pm - 8:15 pm: SHS ANNUAL DINNER BANQUET: BRYCE & SNOW ROOMS Possible Banquet/Dinner Speaker 8:15 pm - 9:15 pm: SHS ANNUAL RAFFLE: BRYCE & SNOW ROOMS THURSDAY SPOUSE/GUEST TOUR: 9:00 am - 2:00 pm: SPOUSES/GUESTS; 5 hour Bus Tour to Park City Payle City FRIDAY: SEPTEMBER 20, 2019: 8:00 am - 10:00 pm: HOSPITALITY ROOM OPEN: ECCLES ROOM Kamasu 7:00 am - 8:00 am: Breakfast; on your own 8:00 am - 8:45 am: CLASSES, BRYCE & SNOW ROOMS "History of the Salt Lake Meridian" by Daniel Webb, BLM Utah Office; Chief Cadastral Surveyor 8:45 am - 9:30 am: CLASSES; BRYCE & SNOW ROOMS "Orson Pratt, Surveyor and Astronomer for the early LDS Church" by Spencer McCutcheon. 9:30 am - 9:45 am: BREAK; FOYER 9:45 am + 10:30 am: CLASSES, BRYCE & SNOW ROOM Dispersive Surveys and Survey Methods of the U.S. Topographical Engineers in Utah Territory" by Don Erickson, US Topo's, Colorado 10:30 am - 11:15: CLASSES; BRYCE & SNOW ROOMS CONTINUED: "Surveys and Survey Methods of the U.S. Topographical Engineers in Utah Territory" 11:15 am - Noon: CLASSES; BRYCE AND SNOW ROOMS "The Four Corners Monument" by William Stone Noon - 1:15 pm: LUNCH; BRYCE & SNOW ROOMS 1:30 pm - 5:00 pm: BUS/TOUR, ALL: O. A 3.5 HOUR DELUXE CITY TOUR OF SALT LAKE CITY 6:30 pm - 8:15 pm: SWAP MEET/ANNUAL SHS PICNIC, BRYCE & SNOW ROOMS Dinner Speaker, "Recovery and Monumentation of the Southwest Corner of Utah" by Todd Jacobsen SATURDAY: SEPTEMBER 21, 2019: MORNING - AFTERNOON: OPTIONAL FIELD TRIP: ANTELOPE ISLAND 5 HOUR TOUR O Cost = \$89.00 w/deluxe box lunch Polican Point

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## Spouse/Guest Program

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- 8:00 am 10:00 pm: HOSPITALITY ROOM OPEN: ECCLES ROOM.
- 9:00 am 2:00 pm: SPOUSES/GUESTS; 5 hour Bus Tour to Park City
- 6:30 pm 8:15 pm: SHS ANNUAL DINNER BANQUET: BRYCE & SNOW ROOMS
- 8:15 pm 9:15 pm: SHS ANNUAL RAFFLE: BRYCE & SNOW ROOMS

#### FRIDAY, SEPTEMBER 20

- Noon 1:15 pm: LUNCH; BRYCE & SNOW ROOMS
- 1:30 pm 5:00 pm: 3.5 HOUR DELUXE CITY TOUR OF SALT LAKE CITY
- 6:30 pm 8:15 pm: SWAP MEET/ANNUAL SHS PICNIC, BRYCE & SNOW ROOMS
  - Dinner Speaker: "Recovery and Monumentation of the Southwest Corner of Utah" by Todd Jacobsen

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#### SATURDAY, SEPTEMBER 21

Optional 5 hour Bus Tour of Antelope Island with deluxe box lunch

SPEAKERS AND PRESENTATIONS

"WILLIAM EIMBECK AND THE SURVEY OF THE 39TH PARALLEL BY THE U.S. COAST SURVEY"

CAPTAIN ALBERT (SKIP) E. THÉBERGE retired from the NOAA Central Library this past September after 49 years with the agency and its predecessor ESSA. He was a member of the NOAA commissioned corps for 27 years and retired in 1995. NOAA Corps is a descendant of the United States Coast Survey, known also as the United States Coast and Geodetic Survey. He spent much of his NOAA Corps career involved in seafloor mapping and nautical charting work. Since retirement from NOAA Corps, he was associated with the NOAA Central Library as chief of reference and also as historian of the Coast Survey. He recorded many aspects of the history of the Coast and Geodetic Survey and also of the history of oceanography, having written the on-line book The Coast Survey 1807-1867, edited Hidden Depths: Atlas of the Oceans which accompanied the opening of the Sant Ocean Hall; and published over 75 articles in Hydro International, The American Surveyor, and other venues.

## "THE LIFE AND EXPLORATIONS OF JOHN WESLEY POWELL"

MICHAEL STEWART is a recent graduate of Utah Valley University (UVU) where he graduated as the Valedictorian of the College of Engineering and Technology with a Bachelor of Science in Geomatics with a Minor in Business Management. He is on his way to becoming a licensed land surveyor in Utah and Arizona with plans to also become a Certified Federal Surveyor (CFedS). While a student at UVU, he researched and wrote an extensive research paper on John Wesley Powell; traveled with a small team to scan and survey, the active archeological site, Beit Lehr, just south of Jerusalem, Israel and was the President of the Geospatial

Society of UVU. Michael was born and raised in the small Southern Utah town of Kanab where, after graduating from UVU, he now resides with his wife Carlee. He is employed with a private firm as a crew chief and GIS analyst.

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## "SPANISH EXPLORATION OF THE OLD SPANISH TRAIL"

JEREMIAH R. CUNNINGHAM is the survey manager and project surveyor at the Utah branch of Entellus, Inc., in Woods Cross, Utah. An Alaskan native, Jeremiah comes from a family with a land-surveying background, having surveyed northern and central Utah with his father, Walter, as a teenager. Jeremiah began surveying full-time in 2005. He graduated from Salt Lake Community College with an A.A.S. In Surveying Technology in 2009 and licensed as a Professional Land Surveyor in Utah in 2014. He has been a member of the Golden Spike chapter of the Utah Council of Land Surveyors since 2011. Jeremiah also currently serves as the County Surveyor for Morgan County, Utah. Jeremiah is pursuing a Bachelor of Science degree in Land Surveying from Utah Valley University and plans to graduate in 2020. Jeremiah

Cunningham is bilingual in English and Spanish, and his wife is from Mexico City. His research into the Old Spanish Trail originated from his interest in Mexican history and the prolific effects that Spanish and Mexican explorers and missionaries had on the Western region of the United States of America. His presentation to the Surveyors Historical Society was prepared from this research in conjunction with his university studies.

### "STANSBURY'S 1849-50 EXPEDITION TO THE GREAT SALT LAKE"

JOHN B. STAHL, PLS, CFedS, is a registered professional land surveyor in the states of Utah and Montana, currently owning and operating Cornerstone Professional Land Surveys, Inc., and Cornerstone Land Consulting, Inc., in Salt Lake City. Mr. Stahl specializes in surveying land boundaries, resolving boundary conflicts, performing title and historical research, land boundary consultation services, mediation, and dispute resolution. He has been qualified as an expert witness in numerous boundary, access, and negligence cases and has actively participated in the preparation of amicus curiae briefs to the Utah Supreme Court. Mr. Stahl has served his profession as state chairman of the Utah Council of Land Surveyors and a Utah delegate to the Western Federation of Professional Surveyors. He is an adjunct instructor for the Salt Lake Community College and the Utah Valley University, where he has taught mathematics, ethics and

liability and boundary law courses for fand surveying students since 1991. Mr. Stahl received his A.A.S. degree in land surveying from Flathead Valley Community College in Kalispell, Montana and has authored numerous articles and publications covering topics on boundary laws, research, and resolving conflicts of evidence. He has also conducted historical research and written articles on several important milestones in the surveying past including the Uintah Special Meridian Initial Point, the Four Corners Monument, and the Gunnison Massacre.

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C. BARTON (BART) CRATFIE is a Land Surveyor in Tennessee and Georgia, a Certified Flood lain Manager through ASEPM and is a Certified Floodplain Surveyor (TN003). He currently serves as Secretary for the Surveyors Historical Society. Crattle represents the State of Tennessee as its Director with the National Society of Professional Surveyors (NSPS) and Chairs that state's History Committee. He has authored numerous articles over the years for Backsights, the old ACSM Journal, American Surveyor magazine, state publications, and various news outlets. He consulted with and appeared on the television program "How the States Got Their Shapes". Bart has presented to various organizations on the Bilby Steel Tower for Triangulation, Property Descriptions, the GA/TN state line controversy and multiple floodplain issues. His current project is working to establish a Certified/Floodplain Surveyors program on a national level through

#### "HISTORY OF THE SALT LAKE MERIDIAN INITIAL POINT"

DANIEL WEBB is Chief Cadastral Surveyor for the federal government in Utah. He has worked for the Bureau of Land Management as a Land Surveyor in Alaska, the Washington D.C. Headquarters Office, and in Utah. Dan has been a member of the Utah Council of Land Surveyors for 22 years. He is a 1980 graduate of Michigan Fechnological University with Bachelor of Science in Land Surveying and is registered as a Professional Land Surveyor in State of Alaska. The Cadastral Chief position is delegated the responsibility for the United States Cadastral Survey Program in the State of Utah, for official survey and

survey records of all Federal interest lands. Daniel oversees that Cadastral surveys are planned, organized, executed, with Federal boundaries that are established or reestablished; records created, reviewed, approved, and maintained. Daniel and his staff provide or will advice and counsel to the BLM, other Federal agencies, and State and local authorities, professional, and the public, on matters of small and local authorities, professional, and the public, on matters of small and local authorities, professional, and the public, on matters of small and local authorities, professional, and the public, on matters of small and local authorities, professional, and the public, on matters of small and local authorities, professional, and the public, on matters of small and local authorities. the Public Land Survey System (PLSS). Silver City and

## "ORSON PRATT; EARLY SURVEYOR AND ASTRONOMER FOR THE LDS CHURCH"

Spencer McCutcheon is a surveying student at Utah Valley University. Spencer McCutcheon was born in Manti Utah. Spencer grew up in a little town called Redmond where he loved to be in the outdoors. Spencer has worked in the construction field for most of his working career. He spent 4 years as an excavator. He is currently working for a land surveying company called CIS, out of Nephi Utah. He has worked as a land surveyor for 4 years and loves every minute of it. Spencer is currently at Utab Valley University pursuing his bachelor's degree in Geomatics, where he plans to graduate in the Spring of 2020. He is also planning on getting his PLS license upon graduation and is looking forward to spending the rest of his career as a Land Surveyor.

## "SURVEYS AND SURVEY METHODS OF THE U.S. TOPOGRAPHICAL ENGINEERS IN UTAH TERRITORY"

DON ERICKSON is the owner of Image Exploration in Littleton, Colorado. His firm specializes in photo geologic-geomorphic mapping, remote sensing interpretations, and field mapping, primarily for petroleum exploration. In addition to the United States, he has been involved in mapping in areas as varied as Myanmar, Thailand, Oman, Iran, Paraguay, Ethiopia, Guatemala, Mexico, Jordan, Yemen, and many areas in China. He has published many articles dealing with the earth sciences and made numerous presentations of national and international conferences. He is also a Principal of Bent, St. Vrain & Co., a non-profit Corporation for historical education. He has served for several years as Bureau Chief for the U.S. Corps of Topographical Engineers, a living history group portraying the history and techniques of the Corps from its inception through the Civil War.

## "THE FOUR CORNERS MONUMENT: A Brief History and Why it is Exactly Right"

WILLIAM STONE is a geodesist with NOAA's National Geodetic Survey (NGS). As the NGS Southwest Region Geodetic Advisor, he assists the geospatial community throughout Arizona, New Mexico and Utah (and beyond) with proper use of the National Spatial Reference System and related geodetic infrastructure, tools, and data. Bill has been with NGS since 1989, and he began his federal geodetic career with the Defense Mapping Agency (now National Geospatial Intelligence Agency) in Wyoming. He has worked throughout the West, with favorite projects including fieldwork in Yellowstone, Grand Canyon, Sierra Nevada, Lake Powell, San Juan Mountains, Cascade Range, coastal Alaska, and Chaco Culture National Historical Park (NM). In 2009, he spearheaded the NGS effort to debunk the erroneous notion that somehow the Four Corners Monument was in error by 2,5 miles. Bill holds a BA in Physics from Bowdoin College in Maine and an MS in

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Physical Oceanography from the Scripps Institution of Oceanography in California. He lives in Santa Fe, NM.

## LODGING AND TRAVEL INFORMATION



## HOTEL INFORMATION;

DOUBLETREE BY HILTON SALT LAKE CITY AIRPORT 5151 Wiley Post Way, Salt Lake City, UT, US, 84116

TEL: +1-801-539-1515, FAX: #1-801-539-1118

https://doubletree3.hilton.com/en/hotels/utah/doubletree-byhilton-hotel-salt-lake-city-airport

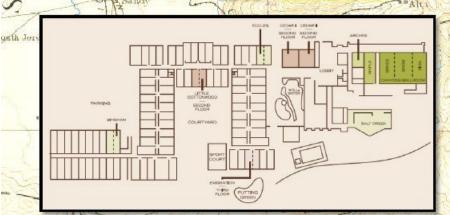
ACCOMMODATIONS: To be eligible for the conference hotel rate of \$109.00 (plus 12.6 % sales tax) you must be previously registered for Rendezvous. (You are not considered "registered" until completed registration and payment has been received.) Once registered, you will receive hotel reservation information. The conference rate is available until August 30, or until the room block sells out.

#### RESERVATIONS

- Our Rendezvous room rate is \$109.00 plus taxes a night.
  - To make room reservations and receive our discount group rate, call DOUBLETREE HILTON at 801-578-4464 and mention 'SURVEYORS HISTORICAL SOCIETY''. Our Group ID is SHS. For email reservations please contact Erika.taylor@hilton.com

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• Our SHS group discount ENDS AUGUST 30, 2019. We urge you to make your reservations now.



#### FREE SHUTTLE SERVICE: The DOUBELTREE

HOTEL offers free shuttle service to and from Salt Lake City Airport every 30 minutes.

- RENTAL CARS: A rental car isn't necessary for Rendezvous 2019 but available at the airport.
- AMTRAK is located 7 miles or 10 minutes
  away.



#### FINDING THE HOTEL

• The hotel is located at 5151 Wiley
Post Way just 2 miles from the Salt Lake
City Airport. Take Exit 114 if westbound
on Interstate 80. PARKING IS FREE.

September 18-21, 2019

DOUBLETREE-HILTON SALT LAKE CITY AIRPORT, 5151 Wiley Post Way, Salt Lake City, UT, US, 84116

## **REGISTRATION FORM**

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RESS:				
NUMBER AND STREET	CITY	STATE	ZIP	
ITACT PHONE:	EMAIL ADDRESS:			
DUSE/GUEST NAME:	NAME	NAME FOR BADGE:		
CK APPROPRIATE REGISTRATION C	ATEGORIES			
FULL REGISTRATION = \$395.00.	Includes Wednesday We	come Reception, all	Thursday and Friday	
sions; Thursday and Friday lunches,	Thursday and Friday ban	quet/dinners and Fri	day Afternoon "Delux	
Tour"				
FULL SPOUSE/GUEST REGISTRAT	ΓΙΟΝ = \$295.00. Must ac	company a fully regis	stered attendee. Incl	
dnesday Welcome Reception, Thursd	day Bus Tour to Park City	, Thursday Banquet,	Friday lunch, Friday	
ernoon Deluxe City Tour and Friday o		, , ,		
ALL DAY THURSDAY and ½ FRID		5.00. Includes evervt	hina (includina	
 dnesday Reception) in FULL REGISTR		•		
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cluding Wednesday Reception) in AL	에 이 그렇게 보았다면 살아가지 않는데 보니까지 않는데 보다 되었다.			
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MOUNT DUE: (Must be paid at time o	f registration)	Pogistration Doa	dline: August 21, 2	
		•		
ULL REGISTRATION		MAKE CHECKS PAYABLE AND MAIL TO: Surveyors Historical Society		
POUSE REGISTRATION		7		
.5 DAY REGISTRATION .5 DAY SPOUSE/GUEST REGISTRATION		Worthington, OH 43085		
ATURDAY TOUR: QTY: x \$89 =	CALIFORNIA SOCIAL SOCIA			
ATURDAY TOUR:	(Checks, money orders, and government purc			
includes 1 year SHS membership – not requ		ordei	rs accepted)	
ate Fee (after August 1 = \$50)	je. epeaceoj			
OTAL DUE				

Cancellation Policy: <u>Cancellations prior to September 6</u> will receive refund minus a \$50 cancellation fee and online registration fees. **Cancellations AFTER SEPTEMBER 6 will receive NO REFUND.**