

# SPRING 2017 Pacific Sedimentologist

Newsletter of Pacific Section, SEPM (Society for Sedimentary Geology)

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JOINT PACIFIC SECTIONS

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SPRING 2017

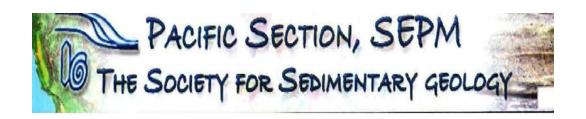
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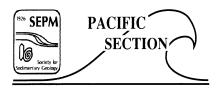
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See also: Our PS-SEPM web site: www.pacificsectionsepm.org



## PS-SEPM President's Message - Spring 2017



## **Greetings To The PS-SEPM Family**

As we get back to a more "normal" year in 2017, in terms of PS-SEPM functions, I wanted to acknowledge all of the great work and effort that took place during 2016 and remind everyone of the big events coming our way this year. This is a great time to be a PS-SEPM member and I hope you'll join me taking advantage of all of the benefits in the coming months.

<u>First!</u> The joint meeting with PS/RMG-AAPG in Las Vegas (Oct. 2016) was a success for PS-SEPM. Many thanks to Steve Rowland (UNLV) and Ganqing Jiang (UNLV) for representing PS-SEPM for the meeting. In all, we sponsored one field trip and one special technical session:

Trace Fossils in Relation to Eolian Stratification in the Lower Jurassic Aztec Sandstone, Valley of Fire State Park, Southern Nevada, led by Steve Rowland (UNLV), and Mario Caputo (SDSU).

Special Technical Session in honor of Donn Gorsline (USC): Mountains to the Abyss: The California Borderlands, chaired by Rick Behl (CSULB).

In addition, PS-SEPM awarded the **Patrick L. Abbott Graduate Award** for the best graduate poster to Ryan Weller (CSU-Long Beach; advisor Rick Behl); we also awarded the **John Cooper Memorial Award** for the best undergraduate poster to **Evelyn Gutierrez** (CSU-Fullerton). Congratulations to you both!

As I mentioned within the Fall 2016 Newsletter message, PS-SEPM has an important new volume published, entitled From **the Mountains to the Abyss: The California Borderlands as an Archive of Southern California** 

*Geologic Evolution*, which will be Volume 2 in our new *Studies on Pacific Region Stratigraphy* series. This volume is meant to celebrates the life and scientific achievements of the late **Donn Gorsline (USC)**, one of the Borderland's most significant scientific explorers, the 2012 recipient of the PS-SEPM A. E. Fritsche Lifetime Achievement Award, recipient of the 1983 SEPM Francis P. Shepard Medal in Marine Geology, and an Emeritus Professor at USC.

Speaking of legends of PS-SEPM, Ivan Colburn (CSU-Los Angeles) received the 2016 A.E. Fritsche Lifetime Achievement Award for his accomplishments to California geology and the Society over many years. Ivan joins a list of distinguished PS-SEPM giants who dedicated a significant portion of their lives to the science and people they loved. This year, both our Senior Advisor and Past-President Ray Ingersoll (UCLA) and Past-President Tom Anderson (CSU-Sonoma, University of Nevada - Reno) will be honored with this prestigious award, which will be formally presented during the Paria Wilderness Fall Field Trip in southern Utah later this year.

As we look towards 2017 and beyond, many exciting events are around the corner. Our Annual Joint Conference with PS-AAPG will be in full swing during May 21-24, 2017. Please visit the PS-AAPG website (psaapg2017.com) for details. PS-SEPM will co-sponsor a technical session on Sequence Stratigraphy and Sedimentology: Fluvial to Deep-Water Reservoirs. There will also be other excellent technical sessions, core workshops, and field trips planned for this conference. PS-SEPM Executive Committee members will also be judging student poster presentations at the conference, for selection of the annual recipients for our John D. Cooper (best undergraduate poster) and Patrick L. Abbott (best graduate student poster) Awards.

As mentioned earlier, PS-SEPM will be running the 2017 Fall Field Trip to the Paria Wilderness Area near Kanab, Utah and the Escalante-Grand Staircase National Monument. This trip will be led by Mario Caputo (SDSU) and Tom Anderson (CSU-Sonoma, UNR). See the "Random Notes" section herein for preliminary details, and stay tuned for more details about this fantastic trip in future notices later this summer. During the trip, in addition to presentation of our Lifetime Achievement awards, we will also officially introduce our new PS-SEPM President, Dr. Greg Gordon (Aera Energy). We are extremely excited to have Greg on board. He brings substantial industry experience and sedimentologic expertise to the Society and I'm sure you all join me in welcoming Greg to the PS-SEPM family. PS-SEPM will also be acknowledging the achievements of three highly dedicated officers by conferring lifetime Honorary Memberships to Wayne Henderson (CSU-Fullerton), Adam Woods (CSU-Fullerton), and Eric Hendrix (Earth Consultants International). Along with our long-term Managing and Publications Editor Mario Caputo (2011 Honorary Membership recipient), these folks are truly the backbone of PS-SEPM!

Lastly, as this is my final year as President, I want to offer my sincerest gratitude and praise to the extremely dedicated folks that make up the PS-SEPM Executive Committee: Mario Caputo (SDSU, Managing Editor), Wayne Henderson (CSUF, Membership Manager), Adam Woods (CSUF, Treasurer), Eric Hendrix (Earth Consultants International, Newsletter Editor), Tony Carrasco (San Diego SU, Webmaster), Dan Sturmer (Awards Manager), Ganqing Jiang (UNLV, Secretary), Russell Shapiro (CSU-Chico, Vice President) and Ray Ingersoll (UCLA, Senior Advisor), as well as long standing advocates and Past Presidents and Vice-Presidents, Rick Behl (CSULB), Tom Anderson (CSU-Sonoma, UNR), and Mara Brady (CSU-Fresno). Thank you to all!

Todd Greene
PS-SEPM President 2014 – 2017
Associate Professor, Department of Geological and Environmental Sciences
California State University – Chico

# SUMMARY Pacific Section – Rocky Mountain Section AAPG-SEPM-SEG Joint Conference In Las Vegas October, 2016



The joint AAPG-PS/RMG meeting in Las Vegas (Paris Hotel and Casino Resort) was very busy for PS-SEPM. Many thanks to Professor **Steve Rowland** (UNLV), and PS-SEPM Secretary and Professor **Ganqing Jiang** (UNLV) for formally representing **PS-SEPM** during this joint conference, our first-ever with the Rocky Mountain Section of the SEPM. Also many thanks to University of Cincinnati Professor and PS-SEPM Awards Manager **Dan Sturmer** for serving as Field Trip Manager for the conference.

As occurs each year at our joint conferences, PS-SEPM also sponsored a booth within the Main Exhibit Hall, where our publications were available for sale. This endeavor is coordinated by our PS-SEPM Managing Editor and Publications Manager Mario Caputo. Once again, thank you for your terrific coordination efforts, Mario!

PS-SEPM -sponsored highlights of this conference included the following events:

- Special Technical Session and Reception in honor of Donn Gorsline (USC): Mountains to the Abyss: The California Borderlands, chaired by Rick Behl (CSULB) and Jon Schwalbach (Aera Energy).
- <u>Field Trips</u> Sponsored and/or led by PS-SEPM Officers, Managing Editor Mario Caputo and Awards Manager Dan Sturmer (see details below).
- <u>Short Course:</u> Sequence Stratigraphy for Students, taught by Morgan Sullivan (Chevron),
   Cameron Campbell (Chevron), and Jonathan Allen (Chevron).

## 2016 Fall Field Trips

## 1. Valley of Fire State Park, Muddy Mountains, Nevada

Trace Fossils in Relation to Eolian Stratification In the Lower Jurassic Aztec Sandstone Steve Rowland, PhD (UNLV) and Mario V. Caputo, PhD (SDSU)

Valley of Fire State Park is the crown jewel of Nevada State Parks. It is famous for its spectacular exposures of Early Jurassic Aztec Sandstone and panels of petroglyphs, preserved within the footwall of the Muddy Mountains Thrust. Participants on this field trip examined sedimentologic features of the southwestern margin of the Aztec-Navajo-Nugget back-arc erg, and a diversity of trace fossils including those of theropod dinosaurs, therapsids (proto-mammals), and arthropods.



## 2. Red Rocks Canyon Park, Spring Mountains, Nevada

Hydrocarbon-Play-Based Exploration Daniel Sturmer, PhD, University of Cincinnati

Participants on this trip observed Cambrian through Early Jurassic stratigraphy and structure within both the footwall and hanging wall of the Cretaceous Keystone Thrust. Different teams were formed among participants, with an emphasis upon developing hydrocarbon exploration targets, considering characteristics of potential source and reservoir strata, trapping mechanisms and thermal/burial history.



Figure A: Exposure of Eolian Jurassic Aztec Sandstone, Eastern Spring Mountains



Figure B:

Middle Cambrian Bonanza King Formation (top of photo) in structural contact with

Aztec Sandstone along Keystone Thrust.

## **ATTENTION PROFESSORS!**

## PS-SEPM ANNUAL STUDENT AWARDS

## LUCRATIVE CASH AWARDS FOR WINNERS

JOHN D. COOPER MEMORIAL AWARD

Best Undergraduate Poster Presentation @ Annual Conference

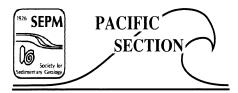
• JOHN C. CROWELL MEMORIAL AWARD

**Best Graduate Thesis and Dissertation (MS or PhD)** 

- RAYMOND V. INGERSOLL AWARD Best Undergraduate (Senior) Thesis
- PATRICK L. ABBOTT AWARD

Best Graduate Student Poster Presentation
@ Annual Conference (MS or PhD)

PLEASE SUBMIT NOMINATIONS FOR THE
CROWELL AND INGERSOLL AWARDS DIRECTLY
TO PS-SEPM AWARDS MANAGER DANIEL STURMER
(Daniel.Sturmer@uc.edu)



# FIRST NOTICE: 2017 FALL FIELD TRIP

## FALL FIELD TRIP, Saturday and Sunday, October 7 – 8, 2017

Jurassic World - Architecture of Ephemeral Streams, Eolian Dunes, and Marine Shoreline: Page Sandstone, Carmel Formation, and Navajo Sandstone, Southwest Utah

Grand Staircase-Escalante National Monument & Paria Wilderness, Kane County, Utah

## Field Trip Leaders

Thomas B. Anderson University of Nevada, Reno

Mario V. Caputo San Diego State University



## **Field Trip Information**

**Participant Limit: 48 plus 2 field trip leaders;** no exceptions as regulated by the Bureau of Land Management and Grand Staircase-Escalante National Monument (GSENM)

Vehicles Recommended: High-clearance, 4-wheel drive, especially for Sunday's part of the trip

**Highlights**: The theme of this year's PS-SEPM fall field trip is "back-to-basics in sedimentology," and will focus on eolian sedimentary architecture of two lithostratigraphic units: the Middle Jurassic Page Sandstone at White House camp in the Grand Staircase-Escalante National Monument, and the Lower Jurassic Navajo Sandstone along Wire Pass/Coyote Wash trail in the Paria Canyon Wilderness. Two selected outcrop sites will be visited east of Kanab in Kane County, southwest Utah; one site for a full day on Saturday and a second site for a half day on Sunday. Field trippers -professionals and students- have options for paying registration fees that vary according to the number of nights attending and whether indoor lodging or camping is preferred. **See next section on Fees**.

Registration and Release Forms and location maps will be forthcoming.

The Field-Trip Guidebook calls viewer's attention to structural, geomorphic, and stratigraphic features seen along the paved route between Kanab, Utah and the two sites visited during the trip: White House camp and Wire Pass/Coyote Wash trail, and gives further details on the nature and origin of mainly eolian sedimentary characteristics preserved in the Jurassic Page and Navajo Sandstones at the two field trip sites.

On *Saturday* everyone should meet in the parking area (where the chemical toilet is just outside of the pole-fence boundary to the camping area) by 9:00 a.m. at White House camp, located ~ 46 mi (~ 74 km) east of Kanab along federal route 89 and 2 mi (3.2 km) south of route 89 on a graded road. Views on short, easy hikes into shallow gullies and on rounded slickrock cliffs are of the best developed and exposed eolian stratification in the Page Sandstone in the Colorado Plateau Province. Depositional associations are: wadi (restricted sense: an ephemeral stream coursing through an eolian sand sea) facies in the Page Sandstone, and microbialite facies (?) in the Middle Jurassic Carmel Formation.

On *Sunday*, everyone should assemble at 9:00 a.m. in the parking area across from the head of Wire Pass/Coyote Wash trail; ~ 42 mi (~ 67 km) east of Kanab on route 89 and ~ 8 mi (~ 13 km) south of route 89 on House Rock Valley Road (a rugged, uneven graded road) for a ~ 1.5 mi (~ 2.0 km) walk along the trail to view a spectacular exposure of brittle and plastic deformation of possible seismic origin in eolian dune strata.

## **Fees:**

## **Lodging/Camping/Bunking Options:**

Parry Lodge in Kanab. World famous for where a multitude of known actresses and actors made their temporary home while filming westerns in southern Utah in the early- to mid-1900s. It is least costly and provides more amenities compared to other motels in Kanab. \$109.80 per room per night; single or double occupancy; includes buffet-style hot breakfast. A limited number of rooms is available on a first-come, first-served basis; pay with registration fees through PS-SEPM.

Copper Cloud Ranch (CCR) camping/bunking. Located ~ 45 mi (~ 72 km) east of Kanab and adjacent to Saturday's field trip site. Open-field camping: \$17.00 (includes 11.2% tax)/person/night, includes shower; Bunkhouse sleeping: \$39.00/person/night; includes shower; sleeps 15. Pay with registration fees through PS-SEPM. Bring firewood, tents, cots, sleeping bags, towels, etc. Three (3) bathrooms & showers each for men and women.

White House camp (GSENM). Located ~ 48 mi (~ 77 km) east of Kanab and the site for Saturday's part of the weekend field trip. Fourteen (14) dry-camping tent sites available on a first-come, first served basis; chemical toilets but no water; \$5.00/site; pay on your own.

A listing of alternate motels in Kanab, Utah will be provided. Rates will vary.

Meals (per-person cost) (included in required professional and student registration fee):

*Lunch, Saturday only:* vegetarian or meat sandwiches, bag of chips, cookie, and beverage, plus snacks, fruit, and water: **\$25.00** 

Saturday Night Dinner at Copper Cloud Ranch (formerly known as Paria Guest Ranch): cowboy stew of beans, bacon, and sirloin (veggie-style will be available), corn bread, dessert, water, lemonade, coffee, and tea: \$27.00 (includes 7.95% tax)

Guidebook in color: \$30.00 (included in required professional and student registration fee)

## **REGISTRATION FEES:**

<b>Professional</b> (required)
<b>Student</b> (required)
Friday & Saturday night option at Parry Lodge add
Saturday night only option at Parry Lodge add
Friday & Saturday night camping option at CCR add
Saturday night only camping option at CCR add
Friday & Saturday night Bunkhouse sleeping option at CCR add \$ 78.00(\sqrt{)}
Saturday night only Bunkhouse sleeping option at CCR add \$ 39.00(\sqrt{)}

PLEASE NOTE: Costs for other motels in Kanab, Utah and for other camping locations are not included in above fee options.

## OTHER NEWS

## Annual PS-SEPM 2016 Student Presentation Awards

During our Fall 2016 Joint Conference in Las Vegas, we presented two of our annual awards for outstanding student poster session presentations.

The first was the John D. Cooper Memorial Award for Outstanding Undergraduate Poster, presented to Evelyn Gutierrez (CSU-Fullerton), who worked with Professor Vali Memeti. Her research topic was the Minarets Caldera in the central Sierra Nevada.

The second student award was the Patrick L. Abbott Award for Outstanding Graduate Student Poster, presented to Ryan Weller (CSU- Long Beach), who research focused on the Monterey Formation with Professor Rick Behl.

## **PS-SEPM Web Site**

**Tony Carrasco** of San Diego State University occupies the role of **PS-SEPM Web Master**. Web page contents may be viewed at **www.pacificsectionsepm.org**.

The web site includes details of the PS-SEPM organization, convention/meeting information, field trip information, list of PS-SEPM publications available for purchase, past field trip and convention photos, Society awards, newsletter archive, status of endeavors such as the AAPG Data Pages project (discussed below), and historical archives of the Society (past awards, past Executive Committee members, etc.; also discussed below).

Tentative modifications-in-progress for the web page include the following: 1) images of front covers of documents available in our Publications List; 2) Access to Pay-Pal account for publications purchase and field trip registrations; 3) Awards and Awardees, citations and photos.

The web page is continuously a work-in-progress, and will be evolving constantly to best serve the needs of our membership. **Your comments and suggestions are welcomed and encouraged!** 

## Electronic Catalog Of PS-SEPM Publications: NOW AVAILABLE!

The Executive Committee contracted for the creation of electronic (PDF) availability of ALL PS-SEPM publications, via the AAPG "Data Pages" Project. The E-copies include rare, old and out-of-print publications as well as those still in print (see Publication List at rear of this newsletter). Thank you to those members who have graciously provided copies of their out-of-print and rare publications! The digitizing process is close to completion. The majority of our catalog is now available for sale via the AAPG web site: <a href="www.aapg.org">www.aapg.org</a>. Once at the website, click the following order of links and pull-down menus: Publications, Datapages, Associated Websites, Archives, Browse Collections and Pacific Section SEPM.

PS-SEPM Publications and Managing Editor Mario Caputo has worked diligently to research, collect and coordinate the scanning of these publications, interfacing with the AAPG Data Pages project representatives to ensure successful completion of this important project. Thank you Mario for all of your efforts!

Our ultimate goal is to also make E-copies available as PDF documents for sale via the PS-SEPM web site, in part to encourage sales of our entire outstanding publications catalog to universities, corporations, libraries, etc. as an added revenue stream. Marketing of the PS-SEPM catalog via the Data Pages Program is part of our contract agreement with them.

More details and status updates will be provided as the project progresses.

## Historical Archive Of PS-SEPM

We are actively seeking anyone with information regarding the history of PS-SEPM to please contact our Senior Advisor **Ray Ingersoll (ringer@epss.ucla.edu)** with this information, so that we may develop a comprehensive historical archive for our web site. Thus far, efforts have produced an impressive first draft of this archive...many thanks to Ray for spearheading this project!

Information of interest includes a) listing of past officers; b) listing of past field trips and their leaders, and c) listing of those who have received PS-SEPM awards.

# PACIFIC SECTION - SEPM MEMBERSHIP INFORMATION

The Pacific Section SEPM has grown to become an international society with more than 400 members, attracting students and working professionals from the United States, mainly from California and other Pacific states including Hawaii and Alaska, and from Canada, Europe, Asia, and South America. Help maintain the vitality of the Pacific Section, SEPM by renewing your membership and recruiting new members, especially undergraduate and graduate students majoring in the geosciences. Please distribute copies of the **membership form (provided on the next page)** to colleagues and students who have an interest in sedimentary geology. The form is available also on the PS-SEPM website.

A **Lifetime Membership** is also available for a one-time dues payment. See schedule below for age and payment categories. Honorary and Lifetime Members are permanent members of the Society; they are exempt, of course, from further dues payments. Please send your membership application or renewal to:

Wayne Henderson, PS-SEPM Membership Manager Department of Geological Sciences California State University, Fullerton Fullerton CA 92834-6850

## PLEASE PROVIDE/UPDATE YOUR EMAIL ADDRESS WHEN YOU RENEW!!

(Otherwise You Will NOT Receive Future Newsletters And Announcements!)
(Except As Described Below)

## **Membership Dues**

## Regular membership dues:

\$ 7.50 for a 1-year professional membership
\$20.00 for a 3-year professional membership
\$ 5.00 for a 3-year student membership
(Please add \$25.00 to each category if you wish to receive Hardcopy versions of the Newsletter)

## Lifetime membership dues:

\$150.00 for age group 20-40 years \$100.00 for age group 40-60 years \$ 50.00 for age group 60 years and older (Please add \$50.00 for each category if you wish to receive Hardcopy Newsletters)

## Good Reasons for Joining the Pacific Section SEPM

- The Pacific Section SEPM is one of the premier geological societies of western North America.
- Members benefit from discounts on superbly done field-trip guidebooks and special publications that address sedimentologic, stratigraphic and paleogeographic aspects of the Pacific region of the United States.
- Your membership dues sustain the Society by helping defray costs of publications. They further help support the operation of the California Well Data Repository (for borehole logs, cores, cuttings, microfossils, and other data) in Bakersfield, California. A **Society Website** provides up-to-date information on officers and other members, field trips and conferences, short courses, publications, and job openings

## Pacific Section - SEPM (Society for Sedimentary Geology) Membership Form, 2017

CHECK DINE (	): Renewed Men	ibership	( ):New Memi	ersnip	
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Business Name:	:				
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		ness or Teaching Institution			
Business Address	Street or P. O.	Box#			
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Regular	1-year professional	\$ 7.50	
Memberships	3-year professional		
(check ✓ one)	3-year student	\$ 5.00	
Lifetime	20-40 years old	\$150.00	
Lifetime	40-60 years old	\$100.00	
Memberships (check ✓ one)	60 years old and older	\$ 50.00	
(oncon · onc)	CORPORATE	\$500.00	



Make check payable to Pacific Section SEPM & send payment and this form to: Wayne Henderson

**Department of Geological Sciences** California State University, Fullerton

P. O. Box 6850

Fullerton, CA 92834-6850

Please help increase membership in the Pacific Section SEPM by copying this form and giving it to students and colleagues who share an interest in sedimentary geology, sedimentary tectonics, stratigraphy, and paleontology

# Pacific Section SEPM (Society for Sedimentary Geology) PUBLICATIONS LIST (arranged in order by year of publication)

book #	TITLE	AVAILABILITY
	Whittier Hills and the Type Locality of the Sycamore Canyon Formation, California; Guidebook for Pacific Sections AAPG & SEPM: Lee, A. T., and Ten Eyck, R. E., leaders, 1944, 2p of maps	AAPG Datapages
	San Emigdio Creek, Kern County, California; Field Trip Guidebook for Pacific Section SEPM: Kelly, R. B., and Anderson, J. Q., leaders, 1948, 2p, plus 2 oversize maps	AAPG Datapages
	Hollister Ranch, El Bulito Canyon, and Vicinity of Refugian Type Section, Santa Barbara County, California; Field Trip Guidebook for Pacific Section SEPM: Dibblee, Tom, Jr., Simonson, R. R., and Hollister, Joe, leaders, 1949, 9p, plus 1 oversize map and 1 oversize column	AAPG Datapages
	North Mt. Diablo Monocline; Field Trip Guidebook for Pacific Sections AAPG & SEPM: Church, C. C., Solari, Al, Cross, C. M., and Dillon, W. E., authors, 1950, 16p	AAPG Datapages
	Death Valley to San Fernando; Field Trip Guidebook for Pacific Section SEPM: Clements, Thomas, leader, 1951, 3p, plus 1 oversize map and oversize column	AAPG Datapages
	Santa Ana Mountains, California; Field Trip Guidebook for Pacific Section SEPM: Schoellhamer, J. E., and Yerkes, R. F., leaders, 1953, 6p, plus 1 oversize map	AAPG Datapages
	<b>Devils Den – McLure Valley Area; Field Trip Guidebook for Pacific Sections SEPM &amp; AAPG:</b> Brooks, T. J., Steinmeyer, E. H., and Billman, H. G., authors, 1955, 4p, plus 4 oversize maps	AAPG Datapages
	<b>Tejon Formation in Liveoak Canyon; Field Trip Guidebook for Pacific Section SEPM:</b> Carlson, Stanley, and Bigelow, James, 1956, 3p	AAPG Datapages
	Huasna Basin, San Luis Obispo County, California; Field Trip Guidebook for Pacific Section SEPM: Rutherford, V. E., leader, 1956, 11p, plus 1 oversize map and 2 oversize cross sections	AAPG Datapages
	Imperial Valley; Field Trip Guidebook for Pacific Sections SEPM & AAPG: Crowell, J. C., Susuki, Takeo, and Popenoe, P. W., 1958, 13p	AAPG Datapages
	Big Basin Area, Santa Cruz Mountains, California; Spring Field Trip Guidebook: Brabb, E., leader, 1959, 17p	AAPG Datapages
	Type Panoche, Panoche Hills Area, Fresno County, California; Spring Field Trip Guidebook: Payne, M. B., leader, 1960, 14p	AAPG Datapages
	Geology & Paleontology of the Southern Border of the San Joaquin Valley, Kern County, California; Guidebook for Pacific Sections SEPM, SEG, & AAPG & SJGS Spring Field Trip: Dibblee, T. W., leader, 1961, 43p plus map	AAPG Datapages
	Geology of Carrizo Plains and San Andreas Fault; Field Trip Guidebook for SJGS & Pacific Sections AAPG & SEPM: Hackel, Otto, Fletcher, G. L., Cross, R. K., and Dibblee, T. W., leaders, 1962, 52p, plus 1 oversize map	AAPG Datapages
	Geology of Salinas Valley and the San Andreas Fault; Field Trip Guidebook for Pacific Sections AAPG & SEPM: Gribi, E. A., Jr., and Thorup, R. R., leaders, 1963, 168p, plus 10 unnumbered foldout plates and 1 oversize map in pocket	AAPG Datapages
	Geology of Salinas Valley and the San Andreas Fault; Field Trip Guidebook for Pacific Sections AAPG & SEPM: Gribi, E. A., Jr., and Thorup, R. R., leaders, 1963, 168p, plus 10 unnumbered foldout plates and 1 oversize map in	AAPG Datapages
	The San Andreas Fault Zone from the Temblor Mountains to Antelope Valley, Southern California; Guidebook for Pacific Sections AAPG & SEPM, & SJGS: Crowell, J. C., leader, 1964, 51p	AAPG Datapages

book #	TITLE	AVAILABILITY
	Geology of Southeastern San Joaquin Valley, California: Kern River to Grapevine Canyon; Field Trip Guidebook for Pacific Sections AAPG, SEPM, & SEG: Addicott, W. O., Bruer, W. G., Dibblee, T. W., Jr., Hackel,	AAPG Datapages
	Otto, Rudell, C. H., and Warne, A. H., leaders, 1965, 40 p., plus 2 oversized maps	
	Western Santa Ynez Mountains, Santa Barbara County, California; Field Trip Guidebook for Pacific Section SEPM & CGS: Weaver, D. W., & Dibblee, T. W., Jr., leaders, 1965, 52p, plus 1 oversize map and 3 oversized columns	AAPG Datapages
	A Tour of the Coastal Oil Fields of the Los Basin in and Adjacent to San Pedro Bay, California; Guidebook for Pacific Sections AAPG SEG SEPM: Bauer, W. E., et al., 1966, 9p with map and chart	AAPG Datapages
	Central Santa Monica Mountains Stratigraphy and Structure; Guidebook No. 7 for Pacific Sections AAPG & SEPM: Sullwold, H. H., Campbell, R. H., and Yerkes, R. F., leaders, 1967, 13p	AAPG Datapages
	Structural Complexities, Eastern Ventura Basin; Guidebook No. 8 for Pacific Sections AAPG & SEPM: Corey, W. H., leader, 1967, 17p, plus 3 oversize maps	AAPG Datapages
	Field Trip Guide to Baldwin Hills & Palos Verdes Hills, Los Angeles, pre- convention field trip no. 6, Annual Mtg AAPG SEPM: Pipkin, B. W., Nash, K. W., leaders, 1967, 22p	AAPG Datapages
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	A Guidebook to The Geology of Peninsular California: Pacific Sections AAPG-SEPM-SEG, 49 <sup>th</sup> Annual Meeting, 1974, 138 p.	AAPG Datapages
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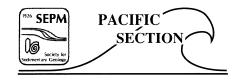
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