



KANSAS GEOLOGICAL SOCIETY

BULLETIN

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March - April 2019

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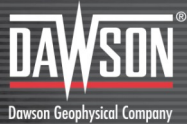
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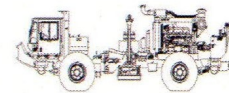
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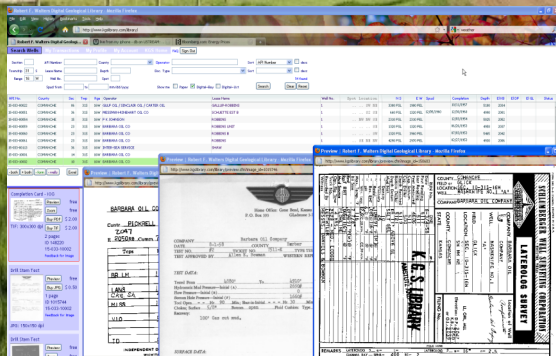
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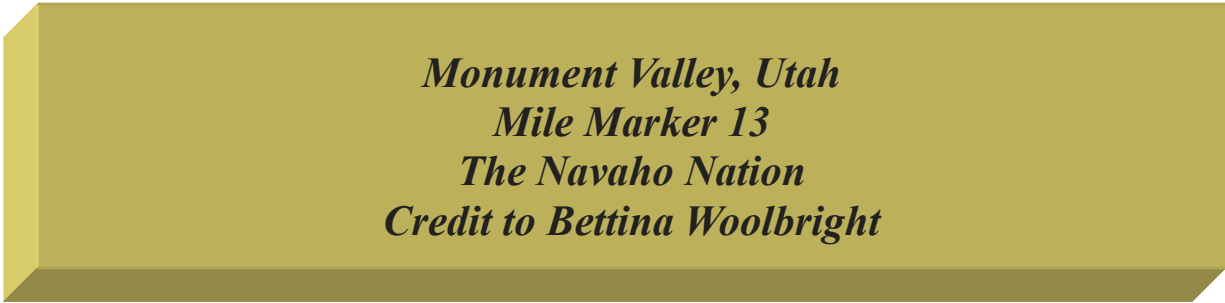
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ON THE COVER:



*Monument Valley, Utah
Mile Marker 13
The Navaho Nation
Credit to Bettina Woolbright*

CALL FOR PAPERS

The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum printed length of papers is 5 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to manager@kgslibrary.com or mailed to 212 N. Market, Ste. 100, Wichita, KS 67202. Specific guidelines for manuscript submission appear in each issue of the Bulletin, which can also be accessed on-line at the Kansas Geological Society web site at <http://www.kgslibrary.com>

SOCIETY Technical Meetings

KGS 2019 Technical Talks

- March 8 *“Microporosity in Limestone Oil Reservoirs: A Micro-Look at a Macro-Problem CO2 Sources Sinks & Infrastructure Needs in the Mid-continent”*
Dr. Rolph Mandel, Director of Kansas Geological Survey, with
Dr. Franciszek Hasiuk and Eugene Holubnyak
- March 20 Kurt Rottman -OGS *“Regional Characterization of the Arbuckle Group’s
Depositional History and Cap Rock Facies Variations and Their Role on Arbuckle
Characteristics and Salt Water Injection”*
- April 10 Jim Puckette - OSU Students Field Studies
- April 24 Rick Fritz - Tulsa *“Anadarko Basin”*
- May 8 Kristie Ferguson - Tulsa *“Granite Wash-Anadarko Basin”*

Other activities in March/April

- March 15 MCS AAPG Student Expo at University of Oklahoma
- April 4 AAPG DPA Playmakers *“Moneymakers”* in Oklahoma City

Please remember to check the website for the most up to date information on Technical Talks
<http://www.kgslibrary.com/techtalks.cfm>

*Tech Talks are held at Landmark Square
212 N. Market—4th floor
In the Wisdom Center*



Note: For those geologists who need 30 points to renew their licenses, there will be a sign-in sheet at each presentation and also a certificate of attendance.

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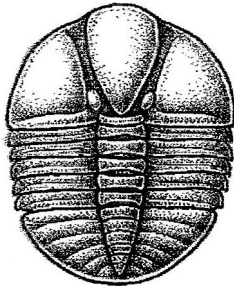
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**Randy Lilak correctly identified
The last one as: Harpides**

Bulletin committee members and PhD's in
Paleontology are prohibited from entering.



Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence

The Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence may be given annually for peer-recognized, sustained significant scientific contributions to all facets of applied Kansas geology, including work either in Kansas or in surrounding states if the latter contributions pertain directly and significantly to Kansas geology. No more than one award may be given each year, an award does not have to be given every year, and members of the KGS Awards Committee that handle nominations for this award cannot nominate themselves for this award. The candidates need not be active KGS members, and they must be living at the time of selection. The primary consideration in the selection of a candidate shall be his or her sustained, published, significant contributions to any facet of Kansas geology. Contributions may be varied in form such as development of geologic concepts, advancement in discovery thinking, and recognized leadership in exploration concepts. Oral and/or written publications in peer-reviewed geological venues is a requisite criterion for any candidate for this award. The name of a candidate shall be presented by the Awards Committee to the KGS Board of Directors for their approval. Once approved, the recipient shall be presented an appropriate award in the form of a medallion or plaque recommended by the Awards Committee and approved by the Board of Directors at the annual business meeting of the society. This is a new award given by the KGS for distinction and achievement in Geological research in Kansas.

Awards Committee members are Sal Mazzullo, Mike Dealy and Alfred James.

President's Letter

Greetings KGS members and friends of the society,

The Annual KGS Banquet was held on January 25, 2019 at the Petroleum Club in Wichita. The evening was highlighted by three events. First, Denise Cox, President of AAPG gave a rousing talk on her long time work in the Permian Basin. Kudos to Doug Davis for getting her to come to speak to us at our banquet. Secondly, Distinguished Awards Chairman, Paul Ramondetta presented 50 year membership pins to Harvey Gough and Jay McNeil. This was followed by Doug Davis introducing Alfred "Fred" James III as this year's Honorary Member. Fred has been a long standing member and past president of our society. Honoring him was long overdue. Thank you Fred for your service to the KGS and the science of geology.



On page 10 of this issue is the initial announcement for the Mid-Continent Section Meeting that the KGS is hosting from October 5-8, 2019. Toby Eck and his committee chairs are working on their respective duties to make this year's meeting a success. I encourage our industry partners to begin working on their advertising space at the convention, in the program or on the website, as well as booth rental for the event. Of course, donations from industry partners as well as individuals are greatly needed. The late Ernie Morrison's wife, Pat, has graciously pledged \$500 to the cause. I plan to keep the membership updated with how things are coming together for the meeting.

Cindy McSwain with AGH is close to having the KGS and WDL financials merged. Tax season for all accountants is murder. We hope to have everything finalized by early March. The KGS Board is still wrestling with outsourcing our accounting or hiring a part time or full time bookkeeper. We are looking at adding a tech savvy person with a bookkeeping background to assist both Rhonda with billings and Angela with copy and reproduction of logs, maps etc. We are not in a hurry to fill this position, so if anyone has a lead for us, email me at manager@kgs.com. Yours truly has had some training with Angela so she could take some time off. Most of what came in over a three day period in her absence was handled OK, but I fear I was a less than stellar replacement. I am, however, seeking to increase my training with Angela, as well as getting some insight into how I can help Rhonda with some of the bookkeeping tasks.

Rob Patton is chairing our golf tournament this year. He asked that I let the membership know the date is set for September 23, 2019 at Terradyne Country Club in Andover, KS. I don't as yet have any info on another KGS Brewery Meet like Beth Isern organized last year, but will keep everyone posted.

Respectfully submitted,
Wes Hansen

AAPG Section Meeting Updates

April 2019	Pacific April 1-3 Long Beach, CA
	Southwest April 6-9 Dallas, TX
May 2019	AAPG ACE May 18-22 San Antonio, TX
September 2019	Rocky Mountain September 15-18 Cheyenne, WY
October 2019	Mid-Continent October 5-8 Wichita, KS
	Eastern October 12-16 Columbus, OH
	Gulf Coast October 23-25 Houston, TX

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Per a Notice that was distributed to owners of seismic data that has been stored under the auspices of the Kansas Seismic Exchange (KSE), circumstances have occurred such that the storage of those contents have had to be removed from that library, as of December 31, 2018.

In the interest of preservation of the unique data, gathered over many decades, and which has inherent value, the Kansas Geological Foundation (KGF) became involved in a process to assist in the transfer of the data out of KSE facilities. As of December 31, 2018, the KSE relocated all seismic data in their library to the Wichita facility of Underground Vaults and Storage (UVS), located at 707 E. 33rd St. North, Wichita, KS 67219.

The owners of the data had the option, via Notice, to either recover their records/data, or make a tax deductible contribution related to that data to the KGF. If, at the end of a two year period ending December 31, 2020, data is not claimed by respective owners, it will automatically be transferred as to ownership from the owners of the KSE to the KGF.

The KSE has agreed to release index files, plat maps, and other reference items that relate to the stored data to the KGF. The KGF plans to relocate these reference files to a facility within the Kansas Geological Society and Library (KGS). Library members will be able to access these files and, for fees yet to be determined, obtain copies of plats, etc, such that if they wish to access actual data at the UVS facility, that can be accomplished by individuals who have access codes, which will be controlled by UVS and the KGF.

Various elements related to these processes are still being worked out, and the KGF will provide updates in the near future as to additional details. For those members of the KGF who have supported its efforts such as the major accomplishments related to the development of the Walters Digital library and the ongoing integration project, the KGF Board wishes to express deep gratitude. We will also closely monitor progress of this new undertaking and carefully evaluate cost/benefit of it into the future. Should it become infeasible to continue, we will exercise options to discontinue our involvement with the activity.



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2019 AAPG Mid-Continent Section Meeting

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Hosted by the Kansas Geological Society

General Chairs: Doug Davis & Toby Eck, KGS President: Wes Hansen



For general inquiries, advertising, or donations,
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or Doug Davis (316)641-4469, doug5696@gmail.com

Submit an Oral or Poster Abstract by April 30, 2019

Send oral abstract and contact info in a Word document to Tandis Bidgoli: bidgolit@missouri.edu

Send poster abstract and contact info in a Word document to Franek Hasiuk: franek@kgs.ku.edu

Authors will receive notification of acceptance by May 31, 2019

GREAT LINEUP OF WORKSHOPS/SHORT COURSES

- Identification and Correlation of Mississippian Stratigraphy (Mazzullo)
- Seismic Attributes (Marfurt)
- Digital Borehole Geology (Doveton)
- More being added!

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ACE 2019 in San Antonio, TX

May 18-22

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2019 Mid-Continent Section Meeting

Wichita, KS

October 5-8, 2019

**Calling on all geologists, young and old, to come to this meeting
in support of all the volunteers giving their time
to the Kansas Geological Society's hosting of this meeting**

2019 KGS Annual Banquet and Awards Ceremony

The 2019 KGS Banquet was held Friday, January 25, 2019 at the Petroleum Club in Wichita. There were 80 attendees. Doug Davis served as both chairman of the event and Master of Ceremonies. Doug did an impressive job with the event with his recruiting of AAPG President, Denise Cox, to give a talk on her career work in the Permian Basin. After her rousing and energetic presentation, Doug introduced Paul Ramondetta, Distinguished Awards Chairman. Paul presented 50 year membership pins to Harvey Gough and Jay McNeil. Past president, Beth Isern, made a few remarks thanking her board and advisors for their service. She then introduced current president, Wes Hansen, for a few remarks. Wes introduced those current board members and advisors in attendance.

Doug Davis returned to the podium to introduce Alfred "Fred" James, III, as this year's Honorary Member. Fred was surprised that his 4 sons and daughter all made the trip to Wichita for his honorary night. Fred has long been a mainstay in the Wichita oil and gas community as well as a successful geologist. Fred served as KGS President in 2005, the same year as his 50 year membership in the Kansas Geological Society.

On behalf of the KGS, a special thanks to all the members and companies that donated to this year's banquet.



Doug Davis presenting Fred James with his Honorary Member rock hammer



Fred James accepting his award along with his remarks



Fred's family in attendance



*Past honorary members in attendance, along with Fred James
L to R: Kent Crisler, Debbie Fitzgerald, Alan DeGood, Don Beauchamp, Roger
Martin, Fred James, Doug Davis, Larry Richardson and Lynn Watney*

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Memorial

Robert Maxwell Euwer

Robert Maxwell Euwer passed away on January 22, 2019. He was born on August 16, 1928 in McCamey, TX, the son of Maxwell and Barbara Euwer, Robert graduated from LLSU in 1951 with a degree in petroleum geology. During this time Robert met Barbara Daniel. She would become his wife. They shared 65 wonderful years together before she passed away.

Robert had a successful 39 year career in the petroleum business. He eventually retired from Euwer Petroleum in Wichita, KS where he was joint owner and managing partner. He held various positions in the American Association of Petroleum Geologists and the Society of Independent Professional Earth Scientists. Robert served as President of the Kansas Geological Society in 1966.

Robert served in the Korean War from 1952-1953 as a Forward Observer in the battle of Pork Chop Hill. He authored a book, "No longer Forgotten", to raise proceeds for a Korean War Memorial in Washington, DC. He was the ultimate provider, devoted to church, family and friends.

He is survived by his daughters, Rebecca Euwer Stevens (Robert), Beverly Euwer Pye, and Brenda Euwer; grandchildren, Brittany and Max Stevens and Marie Adams; brother Jack Euwer and sister Sally Lavine. Robert's service was on February 8, 2019 at Royal Haven Baptist Church in Farmers Branch, TX. Burial was at DFW National Cemetery. The family requested memorials to the church or the Alzheimer's Association. The family extended thank you to the staff at ALMC at Royal Gardens for their loving care of Robert.

(The above information was taken from the obituary in the Dallas Morning News)

SAVE THE DATE

Rob Patton, golf committee chairman for 2019, has announced the date for this year's KGS Golf Tourney.

Monday, September 23, 2019 at Terradyne CC



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**Eating pizza tonight?
Let's help WSU Geology Club!**

Monies raised will be used towards gas money to travel to local schools when they promote the geosciences to grade schools, registration costs for workshops, seminars and AAPG Student Expos, and social and academic events like an upcoming "Lunch and Learn" series next fall.

The Following Are For Sale

Kansas Completion Cards:
Several sets (call for more information)

Oklahoma Completion Cards

New Mexico Completion Cards

North Dakota Completion Cards

Utah Completion Cards

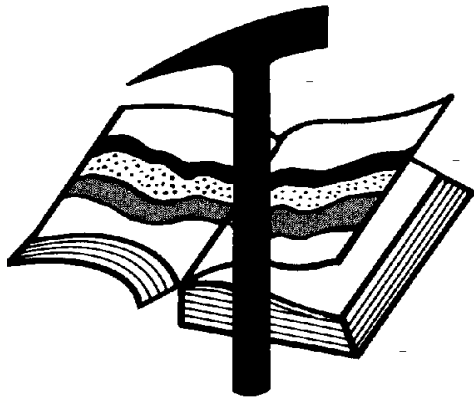
Microfiche Electric Logs

*Kansas
Oklahoma
Texas*

Geological Office Furniture:

- 8-drawer completion card cabinets
- 7-drawer cabinets
- Map cabinets—metal—2 available
- Map racks—different sizes

Call: 316-265-8676
Ask for Ted



Kansas Geological Foundation

Web Site: www.kgfoundation.org

**212 North Market
Wichita, Kansas 67202**

A not-for-profit educational and scientific corporation

GOALS:

- promote geology and earth science
- preserve geological records
- establish memorials and endowments
- support field trips and seminars
- financial aid and grants to students

PLEASE HELP SUPPORT THE FOUNDATION

Kansas Geological Foundation Services

The Kansas Geological Foundation provides the following services as a part of the organization's commitment to educate the public regarding earth science.

Speaker's Bureau

A list of speakers available to talk about various aspects of geology may be obtained by contacting Wes Hansen at the KGS Library, 265-8676. This service is free to the public.

DVD/Videotape Library

The KGF maintains a DVD & videotape library focused primarily on the various fields of earth science. These tapes may be checked out without charge by the public. To obtain a list of tapes, please contact the KGS Library, 212 N. Market, Ste. 100, Wichita, KS 67202, or call Wes Hansen at 265-8676.

The Kansas Geological Foundation was founded in March, 1989 as a not-for-profit corporation under the guidelines of section 501(c)(3) of the tax code to provide individuals and corporations the opportunity to further the science of geology. It is dedicated to providing charitable, scientific, literary and educational opportunities in the field of geology for the professional geologist as well as the general public.

KGF can receive in-kind donations through which the donor may receive a tax deduction. Of equal importance, the KGF provides the financial resources to sort, process and file this data at the KGS library. If you have a donation to make, please contact the KGF at 265-8676.

Your tax-deductible membership donation helps to defray the cost of processing donations and to support public education programs about the science of geology. Annual membership begins at \$50.00 per year. Donations of \$100.00 or more are encouraged through the following clubs:

Century Club	\$ 100 to \$ 499
\$500 Club	\$ 500 to \$ 999
Millennium Club	\$1000 to \$5000
President's Club	\$5000 and over

Kansas Geological Foundation

Cornerstone

Kansas Geological Foundation News

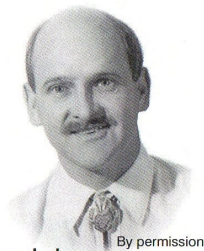
Spring 2019 Scholarship Recipients

Ethan Reid	Ft. Hays State Univ.	Knighton Family Scholarship	\$500.00
Nicholas Thurber	Emporia State Univ.	KGF Scholarship	\$500.00
Luke Rijfkogel	Kansas State Univ.	KGF Scholarship	\$500.00
KayLeigh Rodgers	Kansas State Univ.	KGF Scholarship	\$500.00
Ganiyat Shodunke	Kansas State Univ.	KGF Scholarship	\$500.00
Rhowe Stefanski	Kansas State Univ.	KGF Scholarship	\$500.00
Breanna Waterman	Kansas State Univ.	KGF Scholarship	\$500.00
Jacob Baker	Univ. of Kansas	KGF Scholarship	\$500.00
Caroline Nazworth	Univ. of Kansas	KGF Scholarship	\$500.00
Hannah Proffitt	Univ. of Kansas	KGF Scholarship	\$500.00
Carson Ruffedt	Univ. of Kansas	KGF Scholarship	\$500.00
Julie Sophis	Univ. of Kansas	KGF Scholarship	\$500.00
Guy Sturdevant	Univ. of Kansas	KGF Scholarship	\$500.00

Grant Request Recipients

No grant requests were received

The Kansas Geological Foundation Needs You!



The KGF provides the financial resources to sort, process and file, in-kind donations of geological data at the KGS library. Due in large part to the KGF this unique and rare well of information is being made available to all. Please consider telling your company management and colleagues about the benefits of a library that continues expanding in part because of the KGF.

We very much value and need your financial support.

KGF Officers and Board Members

President- Dennis Hedke
Vice President - Brian Fisher
Treasurer - Bryce Bidleman
Secretary - Ted Jochems

Board Members

Dave Callewaert **Michel Runnion**
Ken Leblanc **Larry Friend**
Corey Baker

Scholarships - Maurice Korphage
Publicity - Wes Hansen

Kansas Geological Foundation News

Students: The KGF awards scholarships each December and May. Check with your department chairs for applications. You must submit complete applications by the deadline.

Scholarship Applications for the Fall semester will be due by May 1, 2019.

Grants to help with research on Kansas related geology are also considered for aid.

If you are in the KGS Library and see Ted Jochems or any of the integrators, give any of them a great big thanks for their efforts in continuing the tedious process of examining, scanning and integrating new logs and geologist's reports etc. into our library and the WDL.

As of January 1, 2019, the Foundation has **two full time employees** working on well log integration: Helen Cruz and Shuyao Li (a.k.a. Emily) along with Ted Jochems. They work forty hours per week, with Ted Jochems putting in 20-30 hours. More than a dozen other part-time integrators have worked on the project since 2010.

Integration Update

During 2018, 24,988 well logs were examined by the integrators. 2,964 electric logs and plotted geologist's reports (11.9%) were added to the Walters Digital Library (WDL). 1,112 logs were scanned to replace existing digital images that were of poor quality.

Well log integration began in 2011. From that time until the end of 2018, 175,034 well logs have been examined by over a dozen integrators. 51,783 (29.6%) of these documents were new to the WDL. 2,896 were scanned to replace poor existing digital images.

With Shuyao Li (Emily) and Helen Cruz becoming full time KGF employees, the estimated wages and benefits for these two ladies for 2019 is \$71,230. Ted Jochems requests that the KGF board continue to allocate \$15,000 for his services as a contractor/consultant. The total estimated cost of well log integration for 2019 is \$86,230.

Submitted by Ted Jochems

Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990
John Brewer	10/89	1990
George Bruce	08/89	1990
Robert Gebhart	01/90	1990
Ray Anderson, Jr.	11/90	1990
Harold McNeil	03/91	1991
Millard W. Smith	08/91	1991
Clinton Engstrand	09/91	1991
M.F. "Ted" Bear	10/91	1991
James & Kathryn Gould	11/91	1991
E. Gail Carpenter	06/91	1993
Benton Brooks	09/92	1992
Robert C. Armstrong	01/93	1993
Nancy Lorenz	02/93	1993
Norman R. Stewart	07/93	1993
Robert W. Watchous	12/93	1993
J. George Klein	07/94	1994
Harold C.J. Terhune	01/95	1995
Carl Todd	01/95	1995
Don R. Pate	03/95	1995
R. James Gear	05/95	1995
Vernon Hess	06/95	1995
E. K. Edmiston	06/95	1995
Jack Rine	07/95	1995
Lee Cornell	08/95	1995
John Graves	10/95	1995
Wilson Rains	10/95	1995
Heber Beardmore, Jr.	09/96	1996
Elmer "Lucky" Opfer	12/96	1996
Raymond M. Goodin	01/97	1997
Donald F. Moore	10/92	1997
Gerald J. Kathol	03/97	1997
James D. Davies	08/88	1997
R. Kenneth Smith	04/97	1997
Robert L. Dilts	05/97	1997
Delmer L. Powers	06/72	1997
Gene Falkowski	11/97	1997
Arthur (Bill) Jacques	01/98	1998
Bus Woods	01/98	1998
Frank M. Brooks	03/98	1998
Robert F. Walters	04/98	1998
Stephen Powell	04/98	1998
Deane Jirrels	05/98	1998
William G. Iversen	07/98	1998
Ann E. Watchous	08/98	1998
W.R. "Bill" Murfin	09/98	1998
Donald L. Hellar	11/98	1998
Joseph E. Rakaskas	01/99	1999
Charles W. Steincamp	02/99	1999
Robert and Betty Glover	10/96	1998
Howard E. Schwerdtfeger	11/98	1999
W. W. "Brick" Wakefield	03/99	1999
V. Richard Hoover	01/00	2000
Warren E. Tomlinson	01/00	2000
James A. Morris	01/00	2000
Eric H. Jager	03/00	2000
Kenneth W. Johnson	03/00	2000

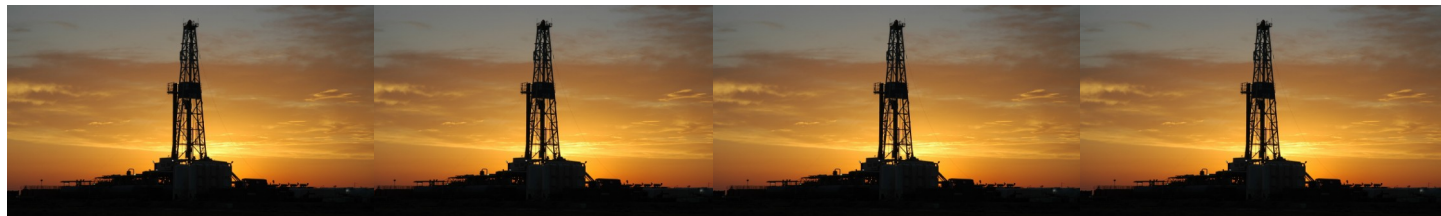
Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
Dean C. Schaake	03/00	2000
Fred S. Lillibridge	05/00	2000
Jerry A. Langrehr	07/00	2000
Clark A. Roach	07/00	2000
Floyd W. "Bud" Mallonee	10/00	2000
Ralph W. Ruuwe	09/00	2000
Robert L. Slamal	02/01	2001
Jerold E. Jespersen	06/01	2001
William A. Sladek	06/01	2001
Harlan B. Dixon	06/01	2001
Edward B. Donnelly	08/01	2001
Richard P. Nixon	02/02	2002
Robert W. Frensley	12/01	2002
Gerald W. Zorger	01/02	2002
Don L. Calvin	03/02	2002
Claud Sheats	02/02	2002
Merle Britting	2002	2002
Harold Trapp	11/02	2002
Donald M. Brown	11/02	2003
Elwyn Nagel	03/03	2003
Robert Noll	09/03	2003
Benny Singleton	09/03	2003
Jay Dirks	2003	2003
J. Mark Richardson	02/04	2004
John "Jack" Barwick	02/01	2004
Richard Roby	03/04	2004
Ruth Bell Steinberg	2004	2004
Gordon Keen	03/04	2004
Lloyd Tarrant	05/04	2004
Robert J. "Rob" Dietterich	08/96	2004
Mervyn Mace	12/04	2004
Donald Hoy Smith	04/05	2005
Richard M. Foley	06/05	2005
Wayne Brinegar	06/05	2005
Charles B. Moore	09/96	2005
Jack Heathman	05/06	2006
Charles Kaiser	09/06	2006
Rod Sweetman	08/06	2006
Karl Becker	10/06	2006
Frank Hamlin	10/06	2006
Marvin Douglas	12/06	2006
Robert W. Hammond	04/07	2007
Eldon Frazey	04/07	2007
Pete Amstutz	05/07	2007
Charles Spradlin	05/07	2007
Donald R. "Bob" Douglass	09/07	2007
Vincent Hiebsch	11/07	2007
Glen C. Thrasher	03/08	2008
Peg Walters	06/08	2008
Theodore "Ted" Sandberg	07/08	2008
James Ralstin	11/08	2008
Earl Brandt	04/09	2009
Walter DeLozier	05/09	2009
Don D. Strong	1/10	2010
John Stone	02/10	2010

Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
Craig Caulk	03/10	2010
Joseph E. Moreland, Jr.	03/10	2010
Gene Garmon	03/10	2010
James F. Dilts	05/10	2010
Jerry Pike	05/10	2010
Donald Hollar	06/10	2010
Delbert Costa	08/10	2010
John Tanner	08/10	2010
William (Bill) Owen	09/10	2010
Harold (Hal) Brown	10/10	2010
Edmund G. Lorenz	11/10	2010
Thomas E. Black	05/11	2011
Wayne E. Walcher	07/11	2011
Henry F. Filson	07/11	2011
Thomas Ray	07/11	2011
Edgar E. Smith	09/11	2012
Marilyn Messinger	06/13	2013
Micheal Mitchell	09/13	2013
Orvie Howell	11/13	2013
James Thompson	11/13	2013
Dick Rowland	09/13	2014
Robbie Thompson	12/13	2014
Kris Kennedy	04/14	2015
Annette Hedke	02/15	2015
James Devlin	04/15	2015
Robert Gensch	09/15	2015
Jerald Rains	05/16	2016
Max Houston	05/16	2016
Robert "Gus" Messinger	01/17	2017
Jimmy Wayne Gowens	04/17	2017
Walter H. Martz Jr.	01/18	2018
Gary Sandlin	01/17	2018
Douglas McGinness	12/16	2018
Allen Siemens	06/18	2018
Ernest R. "Ernie" Morrison	09/18	2018
E. G. "Elbie" McNeil	12/18	2018

The costs for printing and mailing the bulletin far exceed the ad revenue. Advertising revenue received in 2018 totaled \$ 3,590.00. Printing and postage costs for 2018 totaled \$13,605.48. **A shortfall of \$10,015.48.** Currently, one can view the bulletin online from the Kansas Geological Society website and print from one's own computer. Discussion with the KGS Board leaned toward going totally digital, although no official motion was made or vote taken.



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Will Murfin
 Drilling Manager

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250 N. Water, Ste. 300
 Wichita, KS 67202

 The logo for Duke Drilling Company features the word "DUKE" in large, bold, black letters at the top. Below it is a silhouette of a drilling rig. Underneath the rig, the words "DRILLING" and "COMPANY" are written in bold, black letters. At the bottom, it says "ROTARY DRILLING CONTRACTOR".

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 Phone 620-793-8366

100 S. Main, Ste. 410,
 Wichita, KS 67202
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 The logo for Allied Cementing Co., Inc. features the word "ALLIED" in large, bold, white letters with a black outline, set against a black background. Below it, "CEMENTING CO., INC." is written in smaller white letters.

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 MEDICINE LODGE 886-5926

Russell (785) 483-2627 Oakley (785) 672-3452

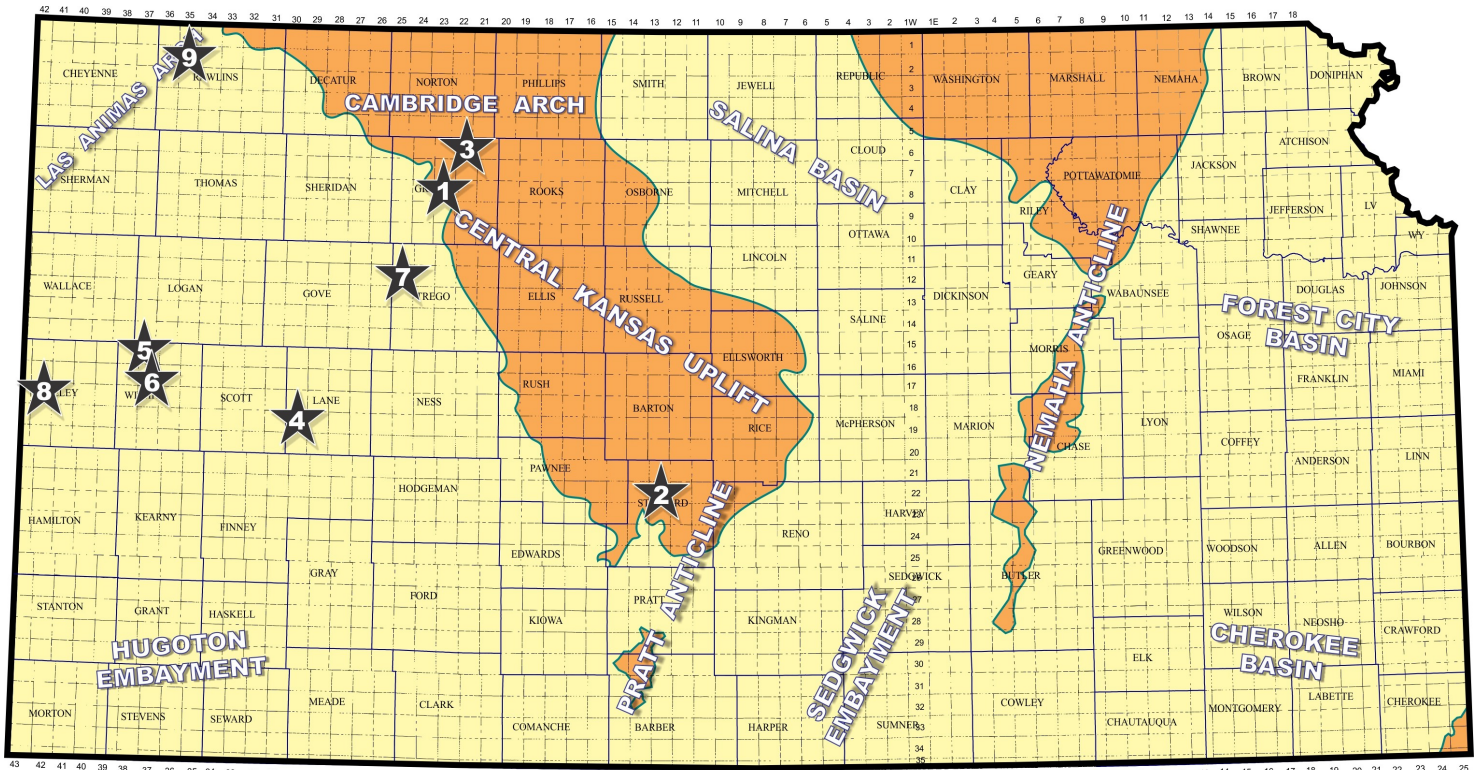
AAPG Needs You!
Professional geoscientists, share your world!

The Mid Continent Section has **17 AAPG Student Chapters**, but only **3 Visiting Geoscientists**...which makes it almost impossible to have a professional geoscientist visit to each school at least once a year or even once every two years. The aim of AAPG's program is to give students a flavor of a professional life in energy resources. It also hopes to encourage dialog between industry and academia.

To be a Visiting Geoscientist bearing the AAPG flag, you are asked to have at least 5 years of experience and make at least one visit per year to a university. It can be a school with an AAPG Student Chapter, or a college/university without one. Your choice.

The Mid Continent schools with Student Chapters are: Missouri University, Fort Hays State University, Iowa State University, Kansas State University, Missouri State University, University of Nebraska, Northwest Missouri State University, Oklahoma State University, University of Oklahoma, University of Arkansas, University of Iowa, University of Kansas, University of Missouri, Columbia University of Tulsa and Wichita State University.

Contact Robbie Gries, co-Chair VGP committee, Denver, if you are interested in learning more. rrgries@aol.com



Map courtesy of Marc Summerville

1.) Canyon Operating LLC, Loveland (CO), has discovered new Lansing - Kansas City oil reserves with the successful completion of the #25-1 B Bar B in Graham County. The wildcat well was drilled to a total depth of 3820 ft at drill site located in the SE/4 of section 25- T8s- R23W, about 2.5 miles south of the town of Hill City, Kansas. Completion details remain confidential. The new find lies nearly one mile south of the Hill City Field (1958, LKC oil) which produced a little over 8000 bbls of oil. Canyon's new field has not been named. (API 15-065-24158)

2.) JEL Resources LLC, Aurora (CO), has completed its #1-8 Lyda Rutti as new pool discovery in Stafford County. The new oil discovery lies less than one mile southwest of known production in the Besthorn Southwest Field (1971, Simpson oil), nearly 2 miles south of the town of Seward, Kansas. The Rutti well, spotted in the SW/4 of section 8- T22s- R13W, is producing an undisclosed amount of crude oil from the Viola formation. Discovery Drilling tools bottomed the well at a total depth of 3900 ft. The new field has not been named. (API 15-185-24040)

3.) Ainsworth Operating Company, Salem (OR), is producing an unknown amount of crude oil from the Lansing - Kansas City formation at the #1 Nelson, located in the NW/4 of section 33- T6s- R22W, in Graham County. The unnamed pool discovery was drilled at a location nearly one mile west of production in the Red Sun Field - a field Ainsworth discovered in 1988 that has given up over 121,000 bbls of oil from four producing wells. Total depth was called at 3200 ft. Field area is located about 9 miles north and 3 miles west of the town of Bogue, Kansas. (API `15-065-24154)

4.) Ritchie Exploration, Wichita (KS) has discovered new oil deposits in Lane Count at their #1 Spece 29-D new pool discovery. The well was drilled to a total depth of 4740 ft in the SE/4 of section 29- T19s- R30W, about 8 miles southwest of the town of Amy, Kansas. The producing formation is currently

being held confidential, however, the well lies three-quarters mile north of Marmaton (Pawnee) oil production in the Sutton Township Field. Ritchie also opened the Sutton Township Field in 2016 after the 1 Anderson 32-B, NW/4 in section 32, was initially completed for 80 bbls of oil and 23 bbls water from a perforated depth of 4487 to 4492 ft. Ritchie's new oil field on the Spece 29-D lease has not been named. (API 15-101-22616)

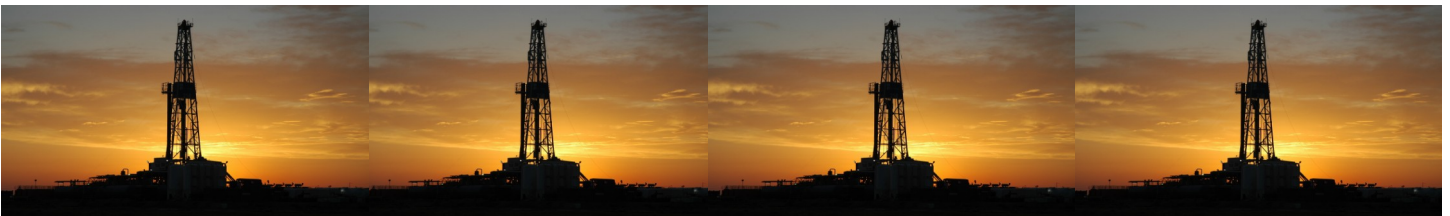
5.) Elsewhere, Ritchie Exploration has established two new unnamed oil fields in Wichita County, west-central Kansas. Both new discoveries found oil deposits in the Marmaton (Altamont) formation. Completion details are currently being held confidential. First, the #1 Whitham - Smith Trust was drilled to a total depth of 4960 ft at site located in the NW/4 of section 35- T16s- R37W. The wildcat well found oil deposits nearly three-quarters mile southwest of the Campas Northeast Field that was established by Wichita-based Mull Drilling Company Inc in 2017. The one-well field has produced nearly 18,000 bbls of oil since it's inception from the Marmaton formation. The new discovery is located about 8 miles northwest on the town of Leoti, Kansas. (API 15-203-20342)

6.) Secondly, Ritchie's #1 Whitham 21-A is producing oil at site in the NE/4 of section 21- T17s- R37W, almost 5 miles north and 2 miles west of Leoti, Kansas. WW Drilling tools bottomed the well at a total depth of 4960 ft. The new discovery was made nearly 1.5 miles southeast of Marmaton (Altamont) oil production in the Carwood Field (1957). Ritchie revived production in the once abandoned field in 2015 after the #1 Biermann 8-D produced 48 bbls oil daily from perfs from 4488 to 4494 ft. (API 15-203-20343)

7.) Phillips Exploration Company LLC, Andover (KS), has completed a new unnamed pool discovery well in Trego County at the #1-20-CR Ziegler - Graber Unit, spotted in the NW/4 of section 20- T12s- R25W. The wildcat well was drilled to a total depth of 4486 ft by Murfin Drilling Company tools at site located over 2 miles from closest recognized production in the Collyer Townsite Field (2016, Lansing-Kansas City oil). The well is completed for 25 bbl of oil and 5 bbl of water per day from Lansing-Kansas City perfs between 4040 to 4048 ft. The new pool lies about 2.5 miles south of the city of Collyer, Kansas. (API 15-195-23061)

8.) Red Oak Energy, Wichita (KS), has found new oil reserves in the Atoka formation at their #1-30 GTD Land well in Greeley County, southwest Kansas. The wildcat well found the oil deposits over one mile southeast of Moore - Johnson Southeast oil field (1990) which has produced over 35,000 bbl of oil from the Morrow formation to date. The GTD Land new unnamed pool discovery was drilled to a total depth of 5059 ft in the SE/4 of section 30- T18s- R42W, about 10.5 miles south of the town of Horace, Kansas. Completion details are confidential. (API 15-071-20888)

9.) Murfin Drilling Company, Wichita (KS) is producing an undisclosed amount of crude oil from perforations made in the Lansing - Kansas City formation at the #1-15 Frisbie B in Rawlins County. The well establishes a new oil field in the SW/4 of section 15- T2s- R35W, about 4 miles south of the town of Beardsley, Kansas. The new reserves were discovered at drill site located over one mile southeast of known oil production in the Kopriva West Field, which Murfin also discovered in 2017 (LKC oil). The new Frisbie B pool has not been named.(API 153-21213)



CHANGE SERVICE REQUESTED

KGS BULLETIN
 March - April 2019

March 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8 Tech Meeting	9
10	11	12 KGS Board	13	14	15	16
17	18	19	20 KGF Board Tech Meeting	21	22	23
24	25	26	27	28	29	30
31						

April 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10 Tech Meeting	11	12	13
14	15	16 KGS Board	17 KGF Board	18	19	20
21	22	23	24 Tech Meeting	25	26	27
28	29	30				