



KANSAS GEOLOGICAL SOCIETY

BULLETIN

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REGARDING PETROLEUM**

Raymond P. Sorenson

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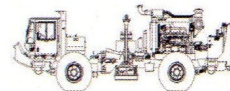
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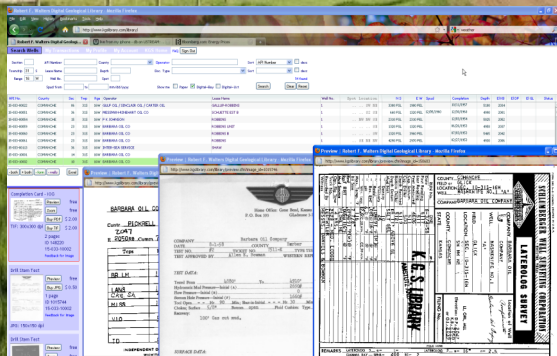
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Cirques, horns and arêtes from Greenland

Photo by Marli B. Miller

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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

ALEXANDER VON HUMBOLDT: OBSERVATIONS AND THEORIES REGARDING PETROLEUM

Raymond P. Sorenson

November 20, 2019

ABSTRACT: Alexander von Humboldt (1769-1859) was arguably the best known scientist and one of the most prolific and widely read authors of his generation. Based on travel within Europe, exploring expeditions to South America and central Asia, personal acquaintance and collaboration with many of Europe's elite scientists, plus an extensive knowledge of the published literature, Humboldt sought to create models that would explain the entirety of physical and biological processes within the Earth and its atmosphere. In the process he collected data regarding conditions within the Earth, especially focusing on earthquakes, volcanoes, and any evidence for the movement and composition of fluids within the subsurface.

Fluids of interest included petroleum and hydrocarbon gases, not for potential commercial applications, but rather for their contribution to understanding geological processes deep within the earth, including the source of heat for volcanic activity (radioactivity had not yet been discovered). In the process of his numerous publications, Humboldt probably described natural hydrocarbon occurrences more often and in more geographic locations than any other author prior to the 1859 Drake well in Pennsylvania that kicked off the modern petroleum industry.

Over two centuries of study, Humboldt scholars and biographers have sometimes mentioned individual hydrocarbon descriptions where appropriate, but none of them known to this author have conducted research that focused on this subject matter. Surprisingly, oil and gas researchers and historians have almost completely ignored Humboldt's observations and comments.

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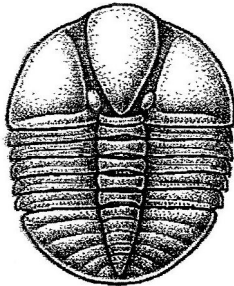
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2021

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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

Dear KGS members and friends,

This is my final bulletin letter as KGS President. I want to thank the members of the board, my two advisors, Kent Crisler and Rocky Milford for all their work on society business. I wish to convey that it has been an honor and privilege to serve as your president.

The fishing tournament had great weather on September 13 at El Dorado Lake. Results are in the November-December issue of the bulletin. A big thanks to Randy Teter and Jon Christensen for organizing this event. Thanks to all the sponsors and participants. The KGS Golf Tournament was held at Terradyne Country Club on September 23rd. Rob and Bobby Patton did a great job. The weather cooperated as well for this event. A thank you to all is also in this issue of the bulletin. Last, but not least, the KGS Shooting Tournament was held October 4, 2019 at Lynbrooke Sporting Clays. Thanks to Larry Richardson, Rick Saenger and Kent Crisler for their work on this event. Tourney results are in this issue as well.



A very deep and special thanks needs to be expressed to Toby Eck from Shakespeare Oil Company for agreeing to serve as the General Chair for the 2019 AAPG Mid-Continent Section meeting held in Wichita from October 3-8. His close friend and mentor, Ernie Morrison, was going to be there to help him in this important endeavor, but unfortunately Ernie passed away unexpectedly a year ago. Mr. Eck's various committee chairs did an excellent job in helping to put on this convention. A special thanks to Doug Davis for fundraising and booth sales.

Many thanks to the nominating committee for getting the KGS a great slate of candidates to run for election to the KGS Board of Directors. The committee was able to get some of our younger members to agree to run for office. The society does need to pass the baton to our younger members. I want to personally thank all of those members who agreed to run. I believe that it is an honor to be asked to run for office and a privilege to serve the membership of our society.

Finally, I once again desire to have a holiday open house at the KGS Library on Monday, December 23, 2019 from 10:00 AM until 2:00 PM. Treats and beverages will be provided. We also would appreciate monetary contributions as well as additional food or beverage items.

Respectfully submitted,
Wes Hansen

AAPG Section Meeting Updates

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2019 KGS Fishing Tournament Results

Bass Tourney:

1st Max Lovely
2nd Max Morrison
3rd Eldon Schierling

Fishing Derby

1st Pat Stump
2nd Jeremy Clark
3rd Conni Teter
4th Max Morrison
5th Tim Pierce

Catfish

1st Ted McHenry
2nd Justin Johnson
3rd Jeremy Clark
4th Randy Teter

Big Bass-Max Lovely

Big Catfish-Ted McHenry
Big Wiper-Pat Stump
Big Walleye-Conni Teter
Big Crappie-Jeremy Clark

15 fisherman participated (4 got skunked)

Great lunch provided by Diamond Testing-Roger Friedly

A big thanks to Randy Teter and Jon Christensen for putting on the tournament

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Vice President - President-Elect



Kerry Parham

Education:

B.S. in Geology with Honors, 1981;
Wichita State University
M.S. in Geology 1989;
Wichita State University

Professional Experience:

Exploration Geologist: Hoppe O & G; The Reach Group; 1981-1984
Exploration Manager: KanEx Exploration 1984-86
Consulting and Wellsite Geologist: 1986-87; 1989-1990
Exploration Geologist and completion engineer: Falcon Exploration 1987-88
Research Scientist: Kansas Geological Survey 1990-1993
Building Inspection and Environmental Testing: Terra Inspections 1993-2014
President/Exploration Geologist: Terra Firma Exploration: 2004-present

Professional Affiliations and Licenses:

Kansas Geological Society (since 1981)
KGS Library and Walters Digital Library member
AAPG (37 years) and DPA Certification #4336
Kansas Licensed Geologist #369

Publications:

Contributing Author: KG Society Kansas Oil and Gas Fields Vol. #5
Contributing Author: AAPG Studies in Geology #35 "Mississippian Oolites and Modern Analogs"; 1993
Author (Kansas Portion) of Bureau of Economic Geology "Atlas of Major Mid-Continent Gas Reservoirs"; 1993
Member of University of Kansas team of engineers and geologists that created the technology transfer model (predecessor of PTTC)



Education:

B.S. in Geology, 1974, Fredonia State University of New York. Graduate hours in geology, Akron University, Oklahoma State University, Wichita State University

Professional Experience:

Well Site and staff Geologist for Resource Exploration, Canton, Ohio
Staff Geologist for Texas Oil and Gas
Staff Geologist for American Energies
Exploration Manager for Texas Energies
City of Wichita, Water Quality Planer, later City Geologist
President of Fisher Consulting
Currently staff Geologist for Falcon Exploration 2006 - Present

Previous KGS Board Service and Committee Work:

KGS Picnic Committee 3 years
Served as Secretary 2001, Treasurer – 2002, Vice President 2013, President 2014, Director 2015. Recipient of KGS Education Award 1999, 2007
Kansas Geological Foundation Director - 2017, 2018, Vice President 2019.

Professional Affiliations and Licenses:

AAPG member since 1977 also CPG and Emeritus Member of AAPG
Kansas Professional Geologist
Kansas Geological Society and Library member since 1979

Meet the Candidates

Secretary 2020- Treasurer 2021



Garet Dinkel

Education:

B.S., Geology, Fort Hays State University - 2015

M.S., Geology, Wichita State University - 2017

Professional Experience:

Grand Mesa Operating Company

Geologist, 2017-present

Wichita State University

Research Assistant / Teaching Assistant, 2017

Independent Consulting Wellsite Geologist, 2015-2017

Professional Affiliations:

Kansas Geological Society

Oklahoma Geological Society

State Intern Geologist #169

American Association of Petroleum Geologists



Thomas Dudgeon

Education:

B.S. in Geology from Wichita State University, 2011

Experience:

Wellsite, Exploration/Development Geologist, Vincent Oil Corporation 2011-present

Geotech, Vincent Oil Corporation, 2010-2011

Professional Affiliations:

AAPG, Kansas Geological Society

Boards/Committees: 2017 KGS Staffing Committee

Meet the Candidates

Director at Large



John P. Hastings

Education:

The Wichita State University – B.S. Geology, Cum Laude, 1984

Professional Experience:

Vincent Oil Corporation, Geological Assistant **1981-1984**,

Wellsite Geologist **1985 – 1986**

Kansas Gas & Electric, Computer Applications Programmer **1987**

McCoy Petroleum Corporation, Petroleum Geologist **1987-1992**

Consultant, Petroleum Geologist, Wellsite Supervision, Petroleum Exploration **1992 – 1998**

Kansas Geological Survey, Adjunct Professor – Hugoton Project **1998 - 2001**

Consultant – Petroleum Exploration Geologist, **2001 – 2005**

Lario Oil & Gas Company, Petroleum Exploration Geologist for Mid-Continent **2005 - Present**

Professional Affiliations:

Kansas Geological Society (**KGS 1981**)
American Association of Petroleum Geologists (**AAPG 1984**)

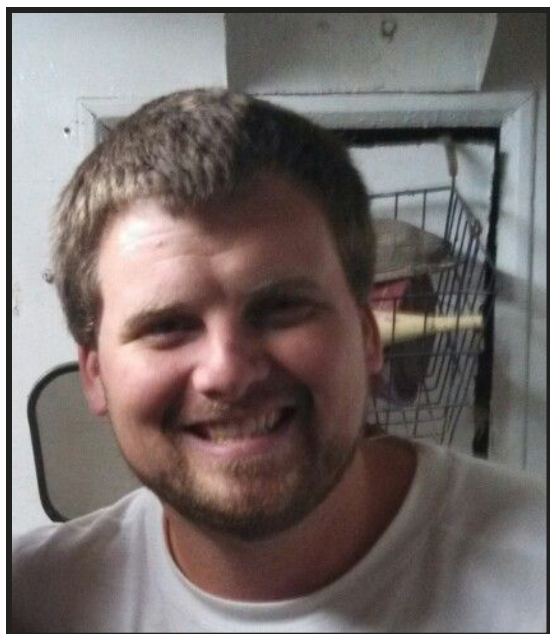
Rocky Mountain Association of Geologists (**RMAG**)

Society of Exploration Geophysicists (**SEG**)
Kansas Registered Geologist (**License No. 298**)

Publications:

“Trend Surface Analysis Revisited: A Case History”, P.G Sutterlin, J P Hastings

Journal, Computers and Geosciences, vol 12, issue 4, 1986, pages 537-562



Seth Evenson

Education

B.S. Geology- Wichita State University

Professional Experience

Darrah Oil Company LLC. Geologist, 2009 – Present

Consulting Petroleum Geologist, 2009 - Present

Star Street Ventures, Geologic Technician, 2007 – 2009

Kansas Geological Survey, Sample Technician, 2006 – 2007

Professional Affiliations:

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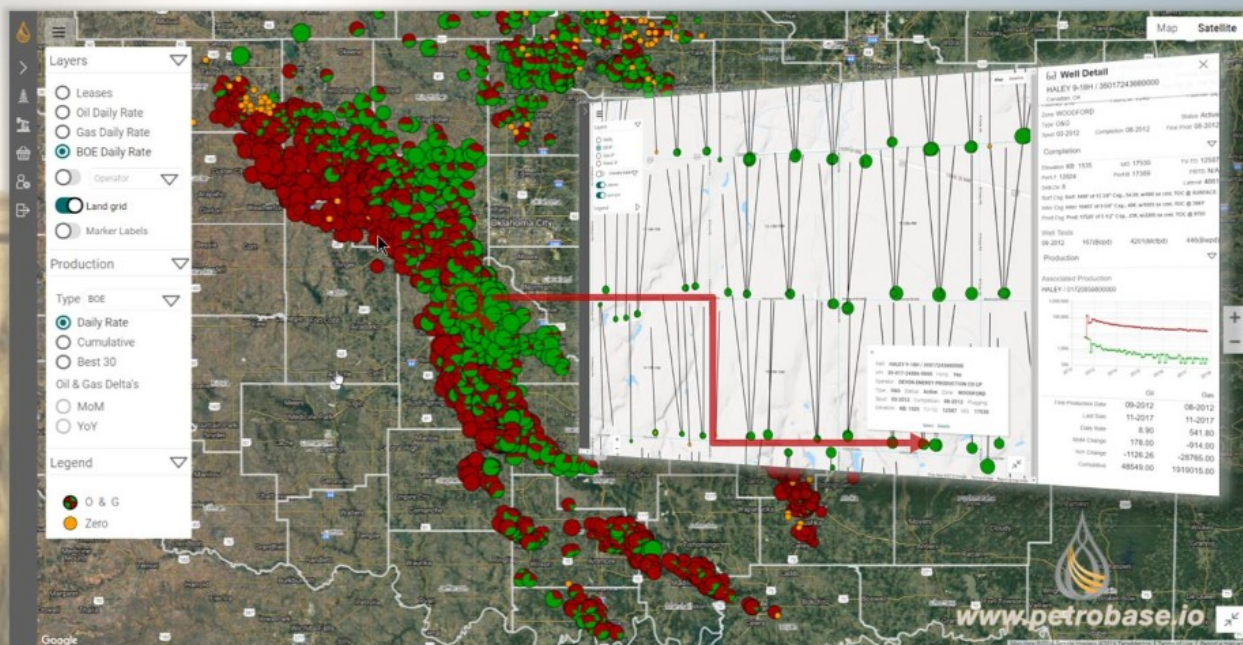
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An Open Invitation to Young Geologists to Join AAPG

I would like to extend a special invitation to recent graduates and other young geological professionals to join AAPG. There are many young geologists outside the Wichita area that I have never met. They may work out of Great Bend or Hays, Kansas working with smaller oil and gas producers or working on their own as well site geologists. Kansas does have a future for at least a few more years for exploration and development. I'm not sure, however, if it extends much more than another 10 years or so. The time is now to meet others from larger regional companies to forge a relationship for future employment. Young minds will be needed to replace those retiring and that other bad option.

I joined AAPG late in my career, much to my regret. I now serve voluntarily as a delegate for the Mid-Continent Section representing the Kansas Geological Society. Please come to our meeting this Fall. Go on the field trip or take a short course to expand your knowledge. One might be fortunate enough to find me in a buying mood for an adult beverage one of those convention evenings. I cannot stress enough that you do have a need to expand your contact base.

Respectfully yours,

Wesley D. Hansen
Bulletin Editor and 2019 KGS President



Thank you to all the sponsors of the 2019 KGS Golf Tournament

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A Big Thanks to Rob and Bobby Patton along with the Staff of Terradyne Country Club and the Hereford House Restaurant for a great tournament.

2019 KGS Sporting Clay Tournament October 4, 2019 - Lynbrooke Sporting Clays

	1st Flight	2nd Flight	3rd Flight	4th Flight
1st	Kendall Hershberger	Aaron Young	Wayland Booth	Troy Russell
2nd	Garet Dinkel	Ed Brown	Tommy Whittfield	Jim Reilly
3rd	Trini Finley	Brady Sharp	Dale Legleiter	Mike Kidwell
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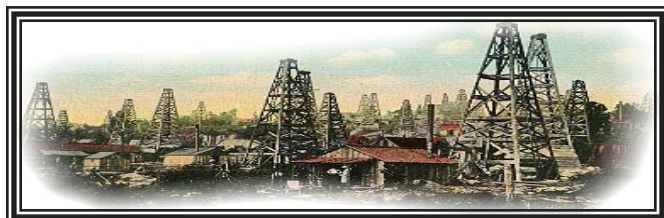
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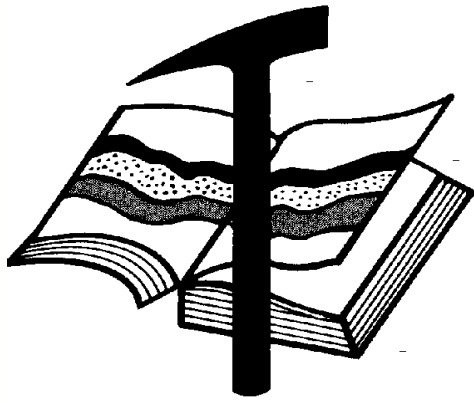
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GOALS:

- 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

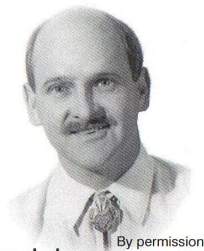
Cornerstone

Kansas Geological Foundation News

Spring 2019 Scholarship Recipients

Applicant	University	Scholarship	Amount
Ethan Reid	Fort Hays State Uni-	KGF Scholarship	\$500
Mikaela Radar	Kansas State Univer-	KGF Scholarship	\$750
Luke Rijfkogel	Kansas State Univer-	Robert Cowdery KGF Scholarship	\$1000
Rhowe Stefanski	Kansas State Univer-	KGF Scholarship	\$750
Isaac Allred	University of Kansas	KGF Scholarship	\$750

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 Spring semester will be due by December 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.

Grant Request Recipients

Dr. Hendratta Ali - Fort Hays State University \$1,000.00

Integration Update as of September 30, 2019

From 01 January to 30 September of 2019, 21,900 well logs were examined by the integrators. 5,889 were new logs for the Walters Digital Library. 1,818 logs were re-scanned to replace poor existing digital images.

Over the nine year history of the integration project, 216,487 well logs have been examined. 62,934 (29.1%) were new to the WDL, with 6,288 logs re-scanned to replace poor existing images.

**PLEASE SUPPORT THE INTEGRATION PROJECT BY DONATING
FINANCIALLY TO THE KANSAS GEOLOGICAL FOUNDATION**

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

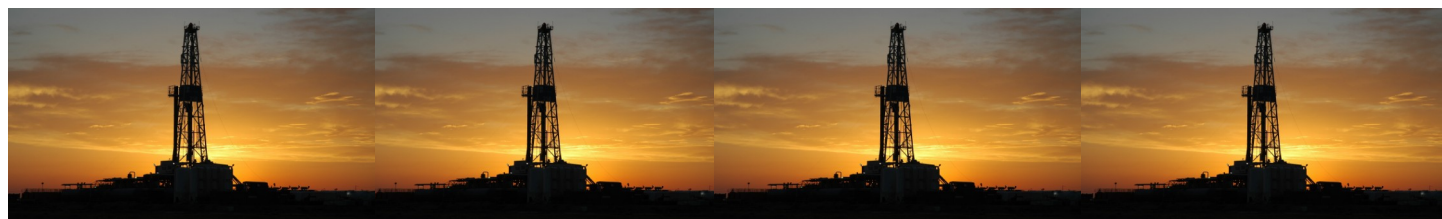
Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
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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
Robert Maxwell (Bob) Euwer	1/19	2019
J. Fred Hambright	12/18	2019
W. Lynn Watney	7/19	2019

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. As editor and manager, I have decided to have the Bulletin be digital only effective January 2020.



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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.

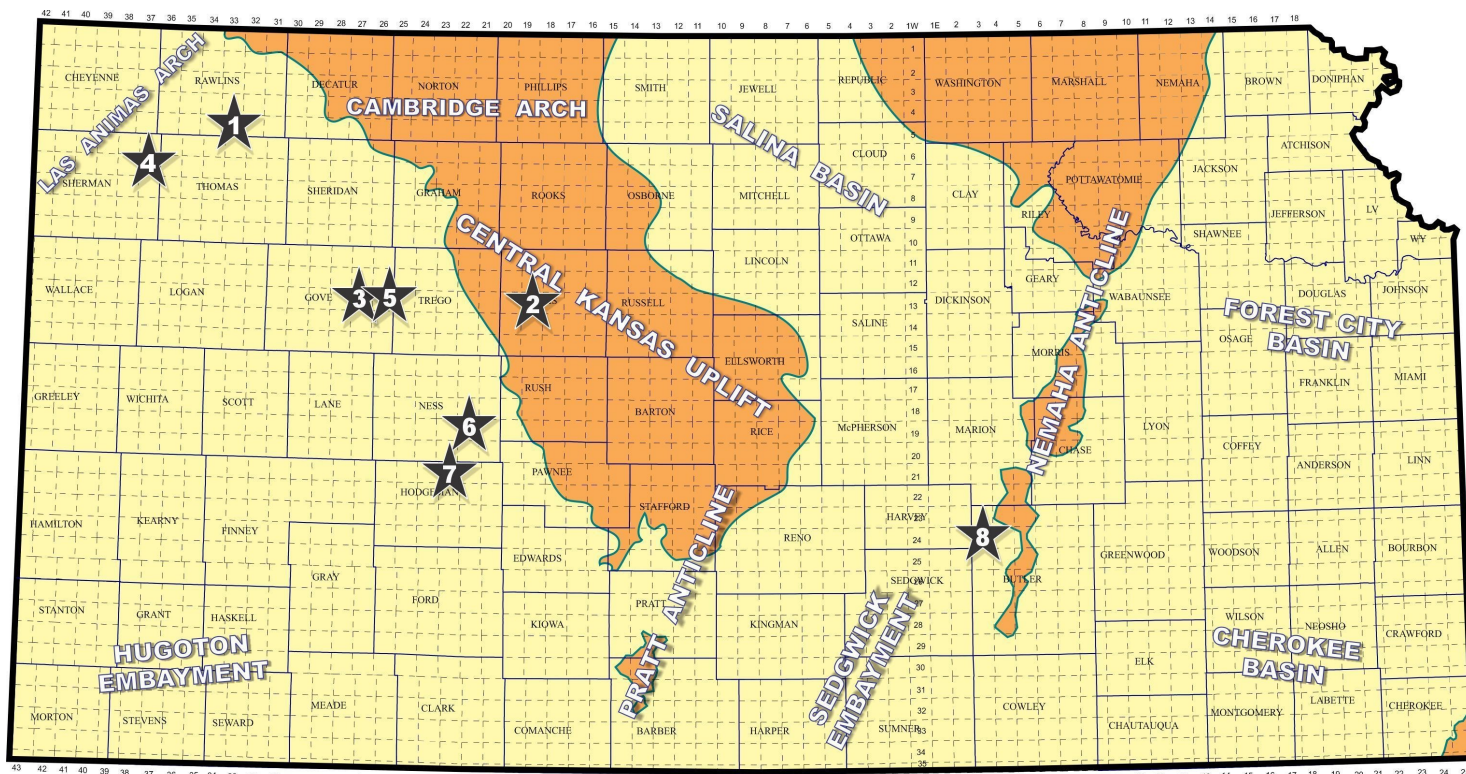
To be a Visiting Geoscientist bearing the AAPG flag, you are asked to have at least 5 years of experience and make at least one visit per year to a university. It can be a school with an AAPG Student Chapter, or a college/university without one. Your choice.

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

Exploration Highlights

By John H. Morrison, III
Independent Oil & Gas Service



Map courtesy of Marc Summerville

1.) Mull Drilling Company, Inc., Wichita, KS, is producing an unknown amount of oil from the Lansing - Kansas City (LKC) formation at their #1-12 Cooper, NE NW NW NW in section 12- T5s- R33W, in Rawlins County. The new pool discovery found oil deposits almost three miles southeast of recognized LKC and Marmaton oil production in the Simon Says oil field in section 27- T4s- R33W. The one-well field was established by Murfin Drilling Company of Wichita (KS) in July, 2015. The field has produced over 13,000 bbls oil to date. Mull drilled their discovery well to a total depth of 4550 ft at site located about one mile north and two miles east of Chardon, Kansas. The new field has been named MFS Creek, in reference to the Mid Fork Sappa Creek to the north of wellsite. (ref: API 15-153-21232)

2.) TDI, Inc., Hays (KS), is currently testing newly discovered oil deposits in the Lansing - Kansas City (LKC) formation at the #1 Matlock, spotted in approximately NW SW NE SE in section 26- T13s- R19W in Ellis County. The wildcat well found the new oil reserves nearly one mile southwest of LKC oil production in the Sack oil field, discovered by Wichita-based Hummon Corporation in 1983. The two well field has produced 53,000 bbls of oil for Hummon Corporation and Hess Oil Company, of McPherson, Kansas. TDI's Matlock well was drilled to a total depth of around 3,800 ft. No completions details have been released. The newly recognized Sack Southwest oil field lies three miles west of Hays, Kansas. (ref: API 15-051-26954)

3.) Mull Drilling Company, Inc., Wichita, KS, has a new unnamed pool discovery in Gove County with the completion of its #1-29 Coberly - Beougher Unit for an estimated 50 BOPD. The wildcat well was drilled in December last year to a total depth of 4525 ft in approximately the SW SW NW of section 29- T13s- R27W. Operator discovered oil deposits in the Lansing - Kansas City formation. The well has produced over 7,600 bbls of oil in its first six months on production. Field area is located about 2.5 miles north of known production

in the Castle Rock North oil field (Mississippian oil 1984, LKC oil 2002) and is four miles south and seven miles east of the City of Gove, Kansas. (ref: API 15-063-22340)

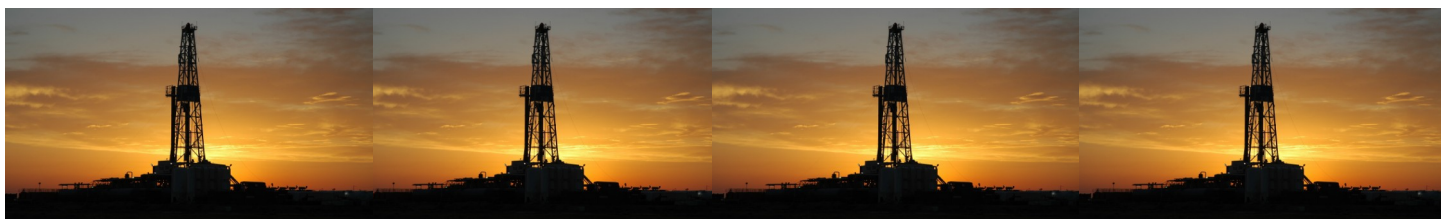
4.) Chizum Oil LLC, Wichita (KS), has discovered Lansing - Kansas City oil deposits at their #1-26P LHR wildcat well, located in approximately NW SW NW of section 26- T7s- R37W, in Sherman County. The new unnamed pool opener found oil deposits in the 'K' zone with total depth obtained at 5010 ft into the Mississippian formation. The new discovery is situated about four miles north and three miles west of Brewster, Kansas. It is one and one-half miles north of the Gertrude West oil field, which was also established by Chizum Oil earlier this year at the #1-35 Gascall, SW/4 of section 35- T7s- R37W. The Gaskill well has produced over 4,400 bbls of oil from the Marmaton and Cherokee (Johnson Zone) formations. (ref: API 15-181-20625)

5.) Black Rock Resources LLC, Russell (KS), is producing an undisclosed amount of crude oil from the Lansing - Kansas City formation at the #18-1 Polifka, spotted in approximately SW SW SE in section 18- T13s- R26W, in Gove County. Southwind Drilling tools bottomed the well at a total depth of 4405 ft at site located about ten miles north of the town of Quinter, Kansas. The new pool discovery lies two miles northwest of known oil production in the Lahman oil field, which has produced nearly 48,000 bbls of oil from the LKC formation since its discovery by DNB Drilling in 1984. Black Rock's new oil field has not been named. (ref: API 15-063-22364)

6.) White Exploration, Inc., Wichita (KS), has stepped-out by over one-half mile to the southwest of established multipay oil production in the Schaben oil and gas field (1963) to discover new oil deposits on a separated feature in Ness County. The wildcat well is producing an undisclosed amount of oil from the Mississippian formation at site located in approximately NE SE SE in section 35- T19s- R22W. Pickrell Drilling tools drilled the well to a total depth of 4500 ft. Wellsite lies about six miles south and one mile west of the town of Bazine, Kansas.

7.) Raymond Oil Company, Inc., Wichita (KS), has established new Cherokee Sand oil production within the Sandpit North pool in Hodgeman County. The # 2 Frusher, spotted in roughly NW NE NE in section 9- T21s- R23W, is producing an undisclosed amount of crude at site located about ten miles north and two miles east of Jetmore, Kansas. L. D. Drilling & Exploration rotary tools were used to drill the 4645-ft deep well. Ritchie Exploration, Inc., of Wichita, opened the Sandpit North pool earlier this year when their #1 Frusher 9D (SE/4 of section 9) has produced an average of 75 bbls of oil per day from the Mississippian formation during the first five months on production. (ref: API 15-083-21970)

8.) Hartman Oil Company, Inc., Wichita (KS), has discovered oil deposits in the Mississippian formation at the #1-32 Wilkonson wildcat well in Butler County, eastern Kansas. WW Drilling tools drilled the well to a total depth of 3322 ft at site located in approximately NE SW NE in section 32- T24s- R3E, about three miles southeast of the town of Whitewater, Kansas. Production began on June 3rd from perforations between 2780 to 2789 ft. Daily volume of crude is unknown. The new oil field has not been named.



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KGS BULLETIN
 November - December 2019

November 2019

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

December 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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8	9	10 KGS Board	11	12	13	14
15	16	17	18 KGF Board	19	20	21
22	23 Christmas Open House at KGS Library	24 Christmas Eve KGS Closed	25 Christmas Day KGS Closed	26	27	28
29	30	31				