



KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 97 Number 3

May - June 2022

Established 1925

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First Annual Larry Richardson Memorial Shooting Tournament page 7



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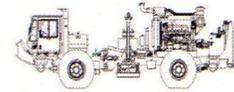
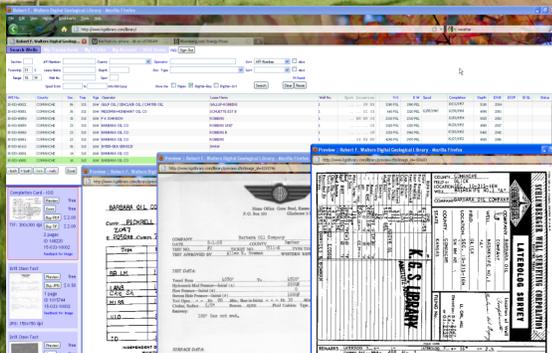
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ON THE COVER:

**Intrusive pegmatite veins in older volcanic deposits
Black Canyon of the Gunnison National Park
Colorado
Photo by Wesley Hansen**

The Kansas Geological Society Bulletin, which is published bimonthly in 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 length of papers is 6 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 1704 S. Baehr, Wichita, KS 67209. 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

All Technical Meetings will be on Zoom

May 11, 2022

Bill Fairhurst, Riverford Exploration, LLC

May 25, 2022

Ken S. Johnson, OGS retired, *“Salt Karst in the Greater Permian Evaporite Basin of Texas, New Mexico, Oklahoma, Kansas and Colorado”*

Editor’s Note:

Because of extensive travel and wellsite work over the past 3 months, this issue is more than late. I ask for your understanding and forgiveness. Several items in this issue are out of phase with the timeline of the events. The Exploration Highlights will return in the July/August issue.

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

Please remember to check the website for the most up to date information on Technical Talks

<http://www.kgslibrary.com/techtalks.cfm>



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Bulletin

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Tyler Sanders

Continuing Education

Distinguished Awards

Wesley Hansen

Environmental

Kent Matson

Field Trip

Jerry Honas

Fishing Tournament

Future Plans

Tyler Sanders

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Kevin Davis

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A.A.P.G. DELEGATES

Douglas Davis
2022

Wesley Hansen
2022

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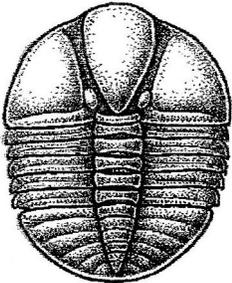
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**Bulletin committee members and PhD's in
Paleontology are prohibited from entering.**



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.

ATTENTION KGS MEMBERS!!!!

TEST YOUR SHOTGUN SHOOTING SKILLS IN THE: Larry Richardson Memorial Spring KGS SHOOTING TOURNAMENT

**for
FUN and PRIZES**

Saturday, May 7th, 2022
8:30am Registration event starts at 9:15 am.

Shady Creek Sporting Clays Range
1252 N Oliver Rd., Belle Plaine, KS

100 shot Sporting Clays

BBQ Lunch will be provided

As the cost of ammunition has increased, we are unable to provide shells as we have done in the past and still keep our entry fee low. All profits will go towards a suitable KGS memorial for Larry Richardson. Also to help the charities that Larry supported - Please consider bringing cans of food for donations to a local Food Bank and/ or Baby items to help needy women. Please Pay and preregister by May 6, 1:00 pm for planning purposes.

Prizes awarded to top three overall in each of three flights. The breaks between flights will be determined after the match is over. Also if donations allow - Drawings for door prizes will also be held after the match. Entrants may include KGS members, supporter and friends of Larry.

RULES

1. Eye and ear protection required.
2. Bring your own shells. They will be may be available to purchase onsite. (Only 7½, or smaller shot sizes are permitted.)
3. Shooters must provide own gun.
4. No pistol or rifle shooting permitted
5. No alcoholic beverages may be consumed prior to or during any shooting.

ENTRY FORM

NAME _____ COMPANY _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

SHOTGUN GAUGE _____

INCLUDE \$65.00 ENTRY FEE WITH ENTRY FORM.

Return all entries to the KGS Library 212 N. Market, Wichita, Kansas 67202

For further information Call Brian Fisher at 316-519-4554, Preston Doll 620-218-3076, Boyd Whittaker 316-250-2747

AAPG ACE and Section Meeting

Updates For 2022

AAPG Rocky Mountain Section Meeting

July 24-27 Denver, CO

2022 Image August 28-September 2, 2022

Houston, TX

Mid-Continent Biennial Field Conference

October 14-16 2022 Rolla, MO

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6 issues	\$600	\$900
3 issues	\$325	\$525
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1 issue	\$75	\$185
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Jerry Honas received his 50 year membership pin from Doug Davis at the KGS Banquet Mixer that was held May 20, 2022 at the Petroleum Club

In lieu of a full scale Annual Banquet, a Banquet Mixer was held at the Petroleum Club in Wichita on May 20, 2022. There were 34 attendees.

<u>2022 Annual Banquet Sponsors</u>	
David Clothier	\$ 100.00
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Doug Davis	\$ 100.00
Sal Mazzullo	\$ 100.00
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Roger McCoy	\$ 100.00
Wes Hansen	\$ 100.00
M.L. Korphage	\$ 100.00
Dick Jordan	\$ 250.00
Jon Callen	\$ 250.00

The Annual Awards Committee selected the following for their outstanding service to the KGS this past 18 months.

Meritorious Service to Kerry Parham and Tyler Sanders. Kerry for the numerous building inspections in our search for a new location for the Library and Tyler for his lengthy search for suitable properties and his tireless efforts in planning the move of our Library to 1704 S. Baehr.

Distinguished Service Awards to the "A" team that helped physically with the moving of files, furniture and purging of unneeded files and duplicates: Doug Davis, Larry Friend, Kent Crisler, Dallas Donner, Jerry Honas, Dave Barker and Ted Jochems. Also, Kevin Davis for restarting the Annual KGS Golf Tournament last Fall.

2022 Shooting Tournament Sponsors

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Roger Martin		\$ 50.00
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	Duke Drilling	\$ 100.00
Bill Raymond	Raymond Oil	\$ 250.00
	Pickrell Drilling	\$ 250.00
Roger Friendly	Diamond Testing	\$ 500.00

Volunteers Still Needed

If you are a KGS member with some time on your hands, then there is still much work to be done over the next several months at our new building.

Please contact the KGS if you have time to work.



In Memoriam

KGS and Industry Members Lost in 2021 and 2022

2021

Lee Banks

Richard “Dick” Smith

Timothy J. Lauer

Walter Innes Phillips

George N. Mueller

Jack W. Gabbert

Fred Stump

Larry J. Richardson

James R. Daniels

A. Scott Ritchie

James “Jim” Iniguez

2022

Lee Poulsen

Bill Ham

Pat Kane

Attention:

The KGF has several empty completion card cabinets for sale.

The price is \$50/cabinet with buyer responsible for pick up.

Also, many empty file cabinets and desks etc. are available as well.

Please contact Ted Jochems

At the KGS at 316-265-8676

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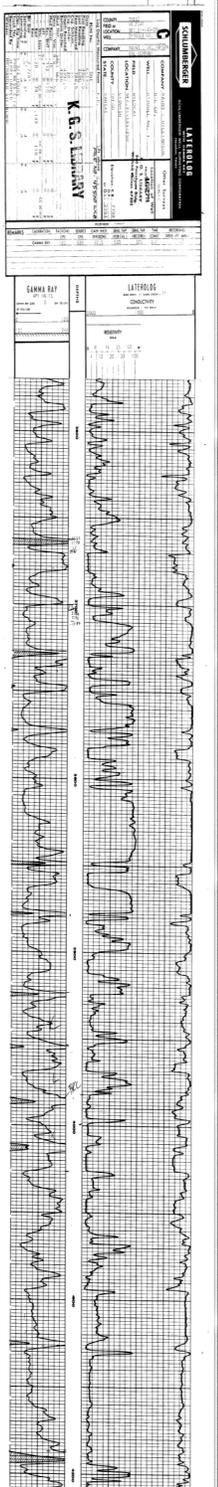
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KGS Mixers

The KGS, under the leadership of Doug Davis, will be having periodic gatherings at the Petroleum Club (and elsewhere) on a monthly basis to allow members to converse and connect or re-connect. The first such event was on June 23, 2022. About 25 members came to the event.

This first meeting was underwritten by Paragon Geophysical Services and Diamond Testing.

Paragon donated \$1000.00 and Diamond Testing (Roger Friedly) donated \$250.00. Any unused funds will be used for future gatherings. Other companies have expressed a desire to be involved.

Look for future meetings from Doug Davis in your email.

A shout out to Kansas Oil and Gas Industry

Service Companies

Oil prices are recovering nicely with WTI over \$100 per barrel and Kansas posted price over \$90 per barrel

Now is the time to resume advertising in the KGS Bulletin

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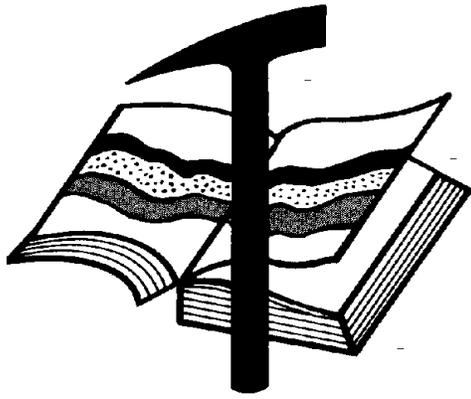
Contact Kent Scribner at 316-640-1154

KGS members please check your files

Fellow KGS members, please remember to check your files of elogs and geologist reports against the KGS paper library and the WDL before discarding them. I was contacted by John Morrison recently about a well I watched years ago that had some tops and DST info missing from his completion card. I took pics from my geo report of tops and DST results and sent them to John to update his card data. If I was to go through all of my files, I'm sure I have many logs and geo reports that are not in the files of either the KGS paper or the WDL. Before I hang things up in my career, I vow to go through all of my data and get it donated and scanned.

KCC rules allow an operator to hold information confidential for a two year period. As long as the well in question is older than the two year period, one can release the data. If one has concerns about alienating a client, of course, feel free to ask for permission.

Wes Hansen



Kansas Geological Foundation

Web Site: www.kgfoundation.org

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

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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

Kansas Geological Foundation News

Spring 2022 KGF Scholarship Recipients

Name	University	Scholarship	Amount
Hannah Proffitt	University of Kansas	KGF Scholarship - (Knighton Family Scholarship)	\$1000
Greg Seitter	University of Kansas	KGF Scholarship	\$500
Brady Tumblin	University of Kansas	KGF Scholarship	\$500
Daniel Mongovin	University of Kansas	KGF Scholarship	\$500
Isaac Allred	University of Kansas	KGF Scholarship	\$500
Shawn Dunaway	University of Kansas	KGF Scholarship	\$500
Oluwaseun Akomolafe	Kansas State University	KGF Scholarship	\$500
Tolulope Agbaje	Kansas State University	KGF Scholarship	\$500

KGF Grants

\$1000 to Vidhesh Shukla

Graduate Student from Kansas State University



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, 2021.

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.

KGF Officers and Board Members

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Vice President - **Will Darrah**
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Secretary - **Debra D. FitzGerald**

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Ryan Dixon **Brad Rine**
Dennis Hedke **Mark Galyon**
Tim Hellman

Scholarships - Maurice Korphage
Publicity - Wes Hansen

The Kansas Geological Foundation Needs You!



By permission

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.

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

Thank you to the Current KGF Members

The Kansas Geological Foundation gratefully acknowledges the generous contributions from the following Individual and Corporate Donors during our year end 2021 fundraising. From the Basic Membership up through the Millennium Class Members, we are deeply appreciative of your generosity in one of the most challenging times in our history. We wish you every success in the years and decades ahead.

Millennium Club

Michel Runnion William H. Shepherd Steve Frankamp Richard Jordan - Vincent Oil

Mark Newman – Crosspoint Richard Hiebsch - Vincent Oil

500 Club

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Trilobite Testing, Inc. Mark Thompson Darrel Walters Alfred James III Chellie Mazzullo

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Martin Dubois Harvey Gough Tim Hellman F. Judson Hipps Jerry Honas

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Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
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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
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Nancy Lorenz	02/93	1993
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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
Craig Caulk	03/10	2010
Joseph E. Moreland, Jr.	03/10	2010

Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
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
Byron Hummon	12/18	2019
Mike Raymond	11/19	2019
James Roberts, Jr.	3/19	2019
Herb Johnson	8/19	2020
Lloyd Parrish	2/20	2020
Bruce Reed	5/20	2020
Bob Scull	6/20	2020
Thornton E. Anderson	7/20	2020
Don Shawver	12/16	2020
Phillip Hart	12/20	2021
Timothy Lauer	05/21	2021
Fredrick Stump	09/21	2021
Larry J. Richardson	10/21	2021



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Effective January 1, 2018, only ads for service companies and geologists offering their services will be permitted in the KGS Bulletin. Furthermore, only content of geologic interest or official KGS functions (technical talks, annual banquet, golf tourney, picnic etc.) will be permitted in this bulletin. This policy is in keeping with maintaining a professional standard for this publication. Any interpretation of this policy rests solely with the editor of this bulletin.



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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

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KGS BULLETIN
 May - June 2022

May 2022

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

June 2022

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