



KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 95 Number 2

March - April 2020

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IN THIS ISSUE

Photos and Highlights From the 2020 KGS Annual Banquet and Awards Ceremony and Dr. Sal Mazzullo's Honorary Membership





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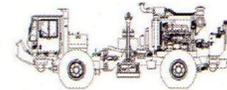
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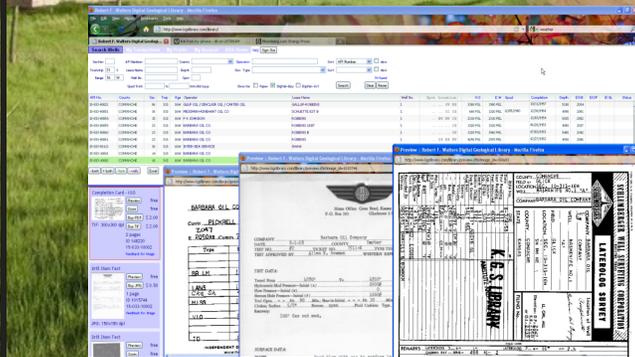
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ON THE COVER:

Non Conformity

Teton Range

Photo by Marli Miller

CALL FOR PAPERS

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 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

- March 11 Dr. Jennifer Roberts, Chair of the Department of Geology at the University of Kansas
TBA
- March 25 David Newell, Kansas Geological Survey
TBA
- April 8 Mike Everhart, Sternberg Museum; “Cretodus houghtonorum - *A New Shark from the Late Cretaceous of Kansas*”
- April 22 J. Michael Party, President AAPG
TBA
- May 6 Dr. Neil Suneson, Oklahoma University; “*Roadside Geology of Oklahoma*”
- May 20 Dr. Seyedaleli Abbas, Oklahoma Geological Survey; “*An Integrated Sedimentology and Reservoir Quality Assessment of the Pennsylvanian Middle Hoxbar Group in the Anadarko and Marietta Basins of Oklahoma*”
- May 29-31 Dallas Paleontological Society and Kansas Geological Society: Pennsylvanian Field Trip
- June 3 Dr. Gerilyn Soreghan, Chair Geology and Geophysics Department of Oklahoma University
TBA
- June 6-10 AAPG ACE 2020 - Houston, TX

Save the Date
KGS 2020 Golf Tournament September 28, 2020
Terradyne Country Club Wichita, KS

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 professional development hours (pdh) to renew their licenses, there will be a sign-in sheet at each presentation and also a certificate of attendance.



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Continuing Education

Distinguished Awards

Wesley Hansen

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Field Trip

Jerry Honas

Fishing Tournament

Future Plans

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Golf

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Membership

Larry Friend

Nomenclature

John H. Morrison, III

Picnic

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Public Relations

Shooting Tournament

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Tim Hellman, Chairman

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A.A.P.G. DELEGATES

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2021

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2021

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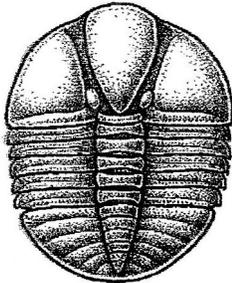
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**Randy Lilak correctly identified
The last one as: Harpides**

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 everyone!

We are nearly through the first quarter of the year. It has been a difficult time for our industry, especially with the recent hit to oil prices as the world economy stumbles with the Coronavirus. The economy ebbs and flows through economic, political, and health crisis, but, that doesn't change the fact we must do our best to compete the task assigned to us. It may affect how we do business on a daily basis. As conditions change, different solutions are sometimes required. Do you have the latest information to do what is expected of you? You either work for someone else, or you work for yourself. Taking stock of these changing conditions is something we all should do on a regular basis.

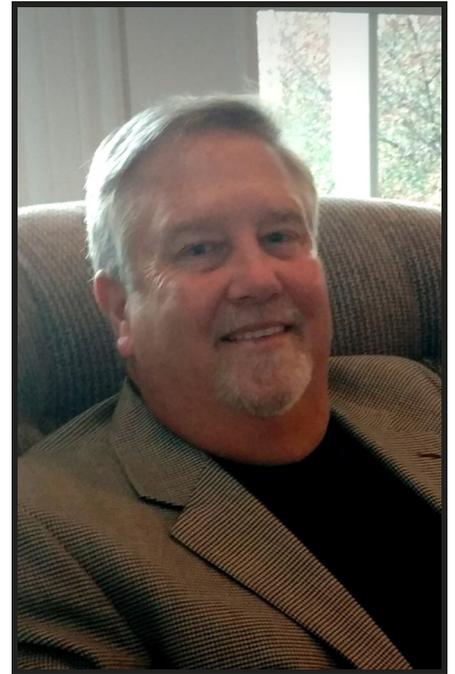
Every 10 years our country takes a census. This helps our government determine where it should deploy funding for all the activities we depend on it for. A numerical count, a gathering of information, a subset of goals to be addressed. Self-evaluating our own position is a good way to understand what lies ahead for you, your company, and our industry. It will help you become more effective if you take the time to ask yourself just a few questions.

What is your position within your organization? Are you the prospect generator or outside deal evaluator? What does your employer want you to do? Can you define your job to others objectively? Are you expected to give voice to prevailing wisdom, or can you challenge that wisdom to find opportunities? What would your supervisor say is expected of your position? Am I a small part of a big team? What does my position allow me to do?

Where do you fit in your organization? Are you the primary decision maker? Are you responsible to those above you, and below you in different ways? Who do you report to and ultimately who are you responsible to? Are you making the job easier for those you work with, or do you sometimes obstruct? Is it your job to point out flaws so a prospect is better, or to kill it? Does your company look for reasons to drill, or not drill? What is your role in the organization to move everyone forward? Most of us work for some type of oil exploration or production company. Am I helping explore and produce? Does your organization give you the authority to affect change? Is your voice timid, or reasoned with experience?

What are your goals? Not, where do you want to be in 5 years, but what is my goal this week? Do I know what my goals are because I have spoken with those I work for? Do I assume what those goals are, or have they been well defined by my superior? Have I also clearly defined the goals of those who work for me or under me? Do I set specific targets for them? Do I help them achieve their goals?

What is standing in your way? What obstacles must be overcome or dealt with? Which obstacles can I control? Which are beyond my control? What does your boss say about those obstacles? Do they feel overwhelming or do you attack those obstacles you can change, the same way as eating a whale, "one bite at a time"?



Continued on page 11

AAPG Section Meeting Updates For 2020

Pacific Region	April 4-8	Oxnard, CA
Southwest	June 23-26	Ruidoso, N.M.
Eastern	Sept. 13-15	Champaign, IL
RMAG	Sept. 13-15	Grand Jct., CO
Gulf Coast	Sept. 30-Oct 2	Lafayette, LA

Mid-Continent Biennial Field Conference
October 9-11, 2020 Rolla, MO

ADVERTISER'S DIRECTORY

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1 issue	\$480	\$525
1/2 Page		
6 issues	\$1,000	\$1,500
3 issues	\$540	\$825
1 issue	\$225	\$350
1/4 Page		
6 issues	\$600	\$900
3 issues	\$325	\$525
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In Memoriam

KGS Members Lost in 2019

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Robert Lee Vincent
James A. Roberts, Jr.
Kay Anderson Woolsey
James Lauck Knightley
Willard Lynn Watney
Herbert Ray Johnson
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The advertisement features a background image of a wooden barn in a rural landscape under a blue sky with clouds. In the foreground, a computer monitor displays a web application interface with various data tables and search filters. The text is overlaid on the image in blue and black fonts.

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

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Geological Office Furniture:

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

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Ask for Ted

This short review tells you all you need to do your job more efficiently. It means meeting with those you work for, and with. It means asking the questions, and most importantly listening. You need to talk to those above you about what they see as your specific position, how they see you helping the organization and your place in it. Ask them to help you refine the goals they expect you to achieve, and ask them again about those obstacles your can overcome together as a team.

Do not forget to take a moment to look at those who work under you. Explain to them their position in your team, their importance in the organization, the goals you expect them to achieve, and lastly how you can help them overcome what is standing in their way.

It is also time for me to do some census taking of my own. As President of your Society, I need to understand what our society wants. What are the goals over the next 5 years? As president you have placed me in a position where I can direct things for the betterment of our organization. First I must understand what your goals are.

A short questionnaire will be sent to all 600 plus members of our society. It will be brief. The KGS Board is currently defining questions to be included in the survey. An item will be listed and if that item is important to you, just rank its importance from 0-5.

This questionnaire will be the time for your feedback. Help me direct our resources in a manner reflecting your own thoughts and desires. Use your position to help our organization, to define our goals, and overcome the obstacles.

Best regards always,

Tim Lauer

**2020 AAPG ACE
Annual Convention and Exhibition
June 6-10
Houston, TX
Registration Now Open**



2020 KGS Annual Banquet and Awards Ceremony Honorary Membership to Dr. Sal Mazzullo

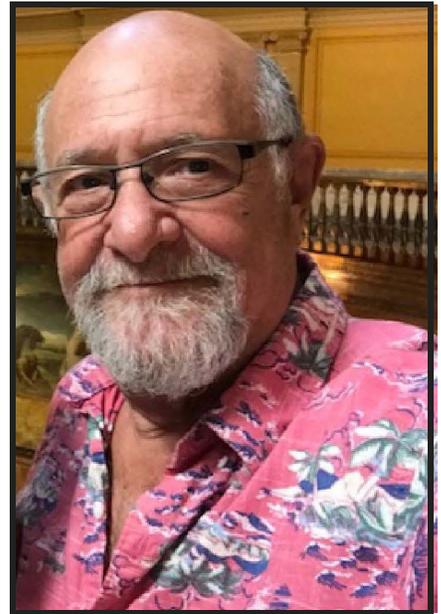
The 2020 Annual KGS Banquet was highlighted by the honoring of Dr. Sal Mazzullo with Honorary Membership in our society for his varied service to the KGS including conducting field trips, technical presentations and bulletin articles. He served willingly and graciously in all endeavors including serving also as technical editor and editor of the KGS Bulletin in years past.

Brian Wilhite provided the introduction of Sal, tracing his life including his education, industry employment, extensive research and publications, oil and gas industry Mississippian field trips, and culminating with his career as a professor and mentor at Wichita State University. Our society is truly blessed to have him as part of our society.

Beth Isern presented Distinguished Service Awards to Andrew “Toby” Eck as General Chair of the AAPG Mid-Continent Section Meeting in October of 2019 and also to Doug Davis for all of his efforts raising financial support and other organizational efforts for the meeting.

She also presented Wes Hansen with his hammer as past president of the KGS.

Then 2020 KGS President, Tim Lauer, gave an impassioned speech highlighting the many geologists and companies that helped shape his career. He challenged those in attendance to continue to make the next 100 years of our society and library successful.



Brian Wilhite, Dr. Sal Mazzullo and Doug Davis



Sal's head table

L-R: Brian & Darcy Wilhite, daughter Lainie Hart, Joanna & Paul Ramondetta, Tim Hart behind, Marti Clothier, Sal & Chellie Mazzullo, Dave Clothier



Sal and Chellie with Sal holding his Honorary Member Hammer



2020 KGS President Tim Lauer



Past Honorary Members

L-R: Dick Jordan, Don Beauchamp, Brad Rine, Fred James, Sal Mazzullo, Bob O'Dell, Kent Crisler, Alan DeGood, Doug Davis



Past KGS Presidents

L-R: Dave Clothier, Paul Ramondetta, Bob O'Dell, Beth Isern, Tim Hellman, Wes Hansen with hammer, Fred James, Don Beauchamp, Doug Davis, Frank Mize, Brad Rine, Brian Fisher, Kent Crisler, and Alan DeGood



Beth Isern presented Distinguished Service Awards to Toby Eck (left) and Doug Davis (right)

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THE SURFACE FEATURES OF KANSAS
 By RAYMOND C. MOORE

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Minutes of the KGS Board of Directors Meeting

KANSAS GEOLOGICAL SOCIETY BOARD OF DIRECTORS MEETING

January 14, 2020

11:30 AM, Wichita Petroleum Club

Board Room

ATTENDANCE & QUORUM:

Officers & Directors: Advisors & Guests

Tim Lauer – President	Brian Fisher - VP
Tom Dudgeon – Secretary	Bob Stolzle – Treasurer
Wes Hansen – Director	Doug Davis – Director
John Hastings – Director	Doug Louis – Advisor
Kevin Davis – Advisor	

Absent:

I. CALL TO ORDER - Tim called the meeting to order at 11:57 AM at the Petroleum Club.

II. PRESIDENT’S STATEMENT – Welcomed the new board members and Advisors for 2020:

Brian Fisher (VP-Pres Elect)	Tom Dudgeon (Sec. 2020-Treas. 2021)
John Hastings (Director 2020-2021)	Doug Louis – Advisor
Kevin Davis - Advisor	

III. SOCIETY ACTIVITIES / EVENTS UPDATE

KGS Open House (Dec. 13th, 2019) – hosted @ the KGS library, had a decent turnout with 35-40 in attendance.

KGS Annual Banquet - Jan 24th, 2020 – cost is \$40 per person. Tim Lauer will outline the next 100 years in a speech to be given at the banquet. This will help bring awareness to the membership of the current and ongoing building situation, as well as the direction of the society in the coming years.

Tech talks: To be hosted in the Wisdom Center

Jan 28th - Dr. Anthony Walton - Students from Univ. Of Kansas Petroleum Class

Feb. 12th - William Coffey, PhD, Managing Director Chimney Hill Energy Partners, Geology "Is Now a New Concept"

Feb. 26th - William Smith, PhD, President Advanced Hydrocarbon Stratigraphy

IV. Approval of Minutes: Minutes from the Dec 10th meeting had been previewed by email and were presented with no inclusions. Doug made a motion to approve, Wes seconded, and the minutes were unanimously approved.

V. FINANCIAL REPORTS:

A. Treasurer’s Report: The Treasurer’s report was not available, and it was discussed that the treasurer’s report is redundant and covered by the Manager’s Report. Investment accounts were up \$31,032.42 over the year from Dec. 2018, and Cash accounts were down \$3,680.81 over the year from Dec. 2018, with a Total Cash and Savings of \$1,090,117.12

B. Manager’s Report: The regular Manager’s Report for Dec. 2019 shows income of \$35,448.13, Expenses of \$30,627.73, and YTD net loss of \$29,754.72. Total Revenue from the Events of 2019 \$36,122.27

VI. OLD BUSINESS

A. Building Options - KGS memo w/ Survey (T. Lauer)

The building at 1704 S. Baehr was sold at full price and may be an option in the future again. It was discussed that by the end of the year, the KGS will have to be prepared to sign a new lease or renew the current lease @ \$9,000/mo. We will be on our final year of our current lease which will expire in the fall of 2021. A committee will probably need to be set up to conclude what the KGS, KGF, and Kansas Geological Survey need/want out of a building.

VII. NEW BUSINESS

A. Update w/ ongoing talks w/ KG Survey (Lawrence)

A committee will probably need to be set up to conclude what the KGS, KGF, and Kansas Geological Survey need/want out of a building.

B. Update Membership Demographics (bldg. on Rocky Milford's earlier work)

Avg. membership age is 63, with 290 out of 601 members in the 60-69 age range. The need to increase the membership in the younger generation is paramount. Possibly offering a year free access to students/recent grads will help jumpstart the younger membership and offer them access to put together prospects to gain entry/exposure to the local industry.

C. Meeting in Feb. w/ Ms. Janet Ward, the KGF Board, and the KGS Board, regarding fundraising and possible building w/ KG Survey

It may be necessary to "give" the KGS data back to the KGF for archival storage. This could be a necessary step for future fundraising for a new building.

D. Building Committee – Newly appointed committee comprised of Tyler Sanders, Tim Hellman, Chuck Brewer, and John Callen as members. Additionally, Building committee advisors are Kent Crisler, Toby Eck, Dave Barker and Gerald Honas.

E. Money can be raised by charging a flat fee for access to all library data (paper and WDL) for each member. Options will need to be discussed to increase WDL membership in the event the paper library is handed over to the KGF. The WDL would remain the property of the Society. Several pricing options should be discussed as a way to cut down on businesses having multiple users on a single WDL account.

F. Next meeting on February 11th, 2020

VIII. ADJOURNMENT – Brian made a motion, which was seconded by Doug Davis, and Tim adjourned the meeting at 1:08 PM.

Respectfully submitted,
Tom Dudgeon
Secretary 2020

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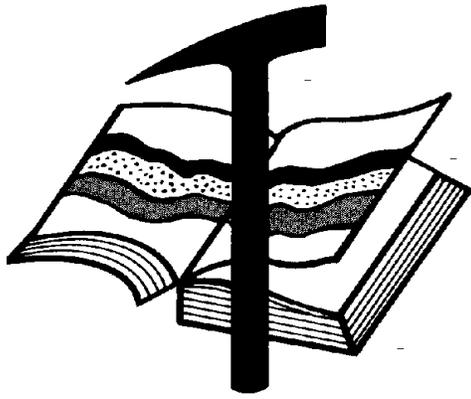

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Kansas Geological Foundation

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 2020 Scholarship Recipients

Applicant	University	Scholarship	Amount
Kaleb Meyer	Wichita State Univ.	KGF Scholarship (Knighton Family)	\$1000
Ethan Reid	Fort Hays State Univ.	KGF Scholarship	\$500
Mikaela Rader	Kansas State Univ.	KGF Scholarship	\$500
Benjamin Walters	Kansas State Univ.	KGF Scholarship	\$500
Alexis Ahlert	University of Kansas	KGF Scholarship	\$500

Applicant	University	Scholarship	Amount
Isaac Allred	University of Kansas	KGF Scholarship	\$500
Tyler Cantrell	University of Kansas	KGF Scholarship	\$500
Adam Lane	University of Kansas	KGF Scholarship	\$500
Michelle Proulx	University of Kansas	KGF Scholarship	\$500
Haozhe Zhang	University of Kansas	KGF Scholarship	\$500

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, 2020.

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.

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.

Integration Update as of December 31, 2019

From 01 January to 31 December of 2019, 28,035 well logs were examined by the integrators. 7,106 (25.4%) were new logs for the Walters Digital Library. 2,443 logs were re-scanned to replace poor existing digital images.

The following individuals and companies donated data and specialized furniture. One donor gave a microscope. Several of these people/companies paid out of pocket to ship their donations to the foundation.

**R.D. and Sondra Reber (Reber Oil Co.)
Gore Oil Co.**

**Roy Knapp
Don Malone**

**Steve Giebler (Log Tech of Kansas)
Randy Wolf**

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

Submitted by Ted Jochems

KGF Officers and Board Members

**President- Dennis Hedke
Vice President - Michel Runnion
Treasurer - Corey Baker
Secretary - Ted Jochems**

Board Members

**Dave Callewaert Mark Galyon
Larry Friend Ryan Dixon
Mark Thompson**

**Scholarships - Maurice Korphage
Publicity - Wes Hansen**

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
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.		



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Wichita, KS 67202

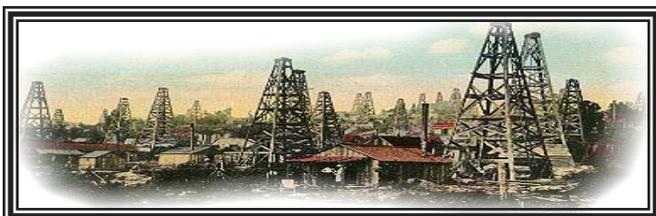
The logo for Duke Drilling Company features the word "DUKE" in large, bold, black letters at the top. Below it, a silhouette of a drilling rig is centered. The words "DRILLING" and "COMPANY" are written in bold, black letters on either side of the rig. Below the rig, the text "ROTARY DRILLING CONTRACTOR" is written in a smaller, bold, black font. At the bottom, contact information is provided in two columns: "620 Hubbard PO Box 823 Great Bend, KS 67530 Phone 620-793-8366" on the left and "100 S. Main, Ste. 410, Wichita, KS 67202 Phone 316-267-1331 Fax 316-267-5180" on the right.

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BULLETIN CONTENT POLICY

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.



AAPG Needs You!

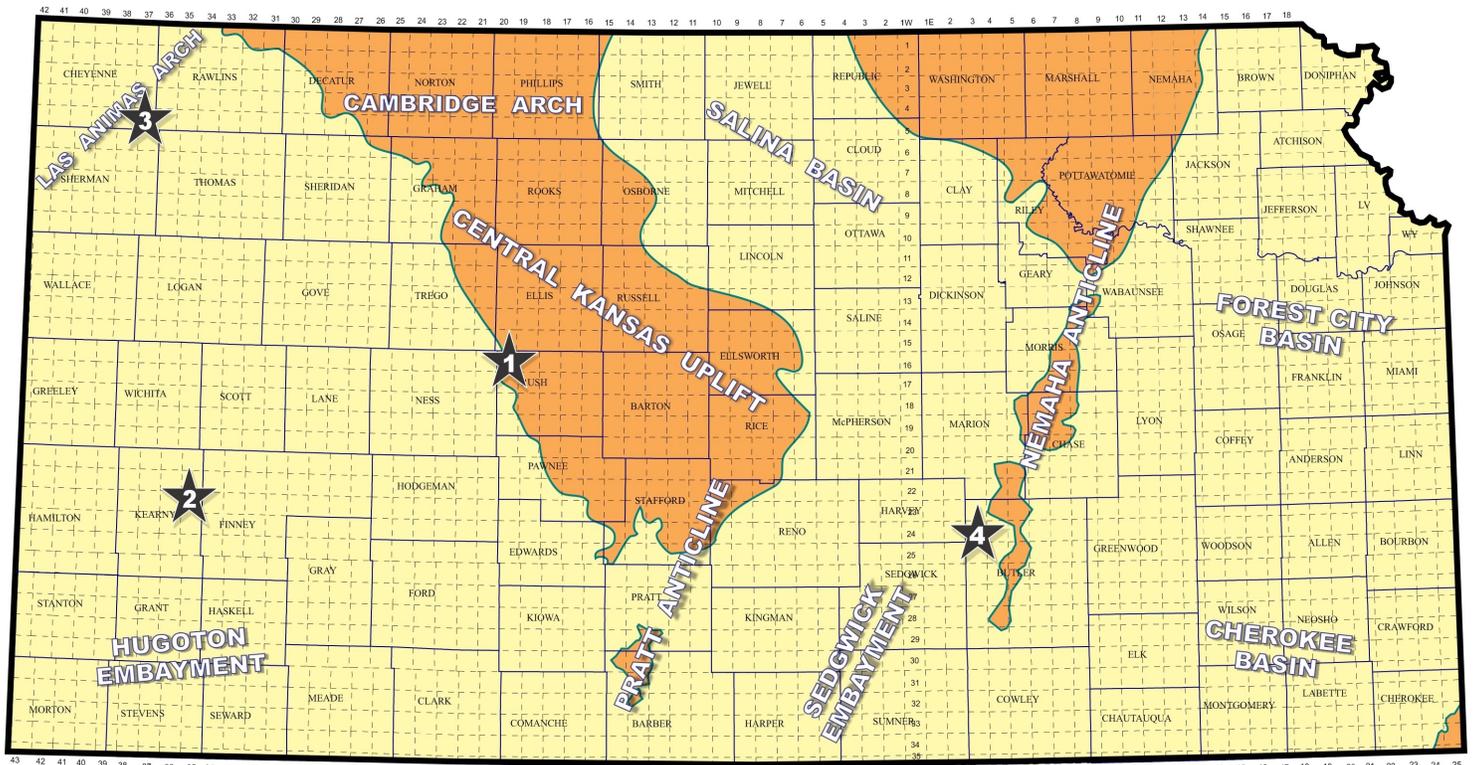
Professional geoscientists, share your world!

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. Cholla Production, LLC, of Littleton, CO., has successfully completed its #1 Zimmerman to establish the District 30 West oil field in Rush County. The wildcat producer discovered new reserves at undisclosed depth in the Lansing - Kansas City (LKC) formation at site located in the NW/4 of section 3- T16s- R20W. STP Drilling tools were used to drill the well to a total depth of 3900 ft. The oil deposits were found on separated feature over one-half mile west of the active District 30 (1972) oil field, where the LKC zones are also productive. Field area lies about seven miles north and two miles east of the town of McCracken, KS. (ref: API 15-165-22166)

2. Merit Energy Company, LLC, of Dallas, TX., has discovered new oil reserves in the Marmaton and Morrow Sand formations at their #1-26 Molz, located in the NW/4 of section 26- T23s- R35W, in Kearny County. The new Redwood West pool discovery well was drilled to a total depth of 5015 ft over one and one-quarter miles west of similar production in the Redwood field (1987 - Marmaton oil, 1993 - Morrow oil). Production details remain confidential. The new oil field lies about three

miles north of Deerfield, KS. (ref: API 15-093-21977)

3. Downing - Nelson Oil Company, of Hays (KS), has established new oil production in what has been recognized as the Cheyenne Ridge oil field in Cheyenne County. The firm's #1-24 Fleming has been completed in approximately NW SE NE in section 24- T5s- R37W, about nine miles south and six miles east of Bird City. The well found oil reserves in the Cherokee formation at site located nearly one mile northeast of Lansing - Kansas City and Marmaton oil production in the Tovrea Northwest pool (2014). Discovery Drilling's Rig 4 bottomed the well at a total depth of 4940 ft. Other closest known Cherokee production in the immediate vicinity lies over four miles to the north in the Little Beaver Creek oil field (1962). No completion details have been released. (ref: API 15-023-21521)

4. AGV Corporation, of Attica (KS), has discovered Mississippian oil deposits over one and one-quarter miles northwest of established production in the Potwin oil field (1917, Mississippian & Lansing - Kansas City oil) in Butler County. The new Potwin Northwest pool discovery well, #1-28 Busenitz, was drilled in approximately NE SW SE in section 28- T24s- R3E to a total depth of 2965 ft by C & G Drilling tools. All completion details remain confidential at this time. Field area lies two miles south and two miles east of the town of Whitewater. (ref: API 15-015-24130)



CHANGE SERVICE REQUESTED

KGS BULLETIN
 March - April 2020

March 2020

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

April 2020

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