



KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 96 Number 2

March—April 2021

Established 1925

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**KGS Board Minutes from December 2020 and January 2021 pages 12-15**

**Important updates in Brian Fisher's President's Letter page 7**



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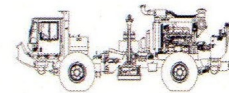
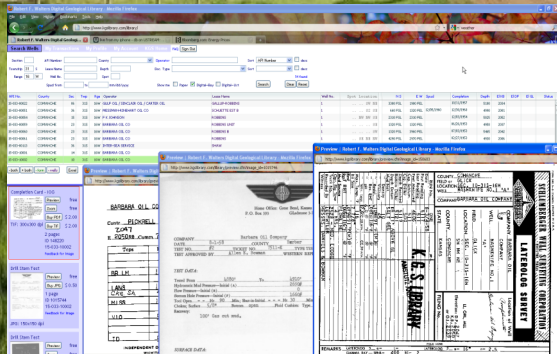
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**Failed Dam, Teton Dam, Idaho**

**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](mailto: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

## All Technical Meetings will be on Zoom

- Mar. 10 - Dr. Hannes Leetaru, Illinois Geological Survey, **“Reducing the Risk of Another Texas. 2021 By Implementing UNGS, CCUS, CAES, HS, and RTES”**
- Mar. 24- Dr. Neal Immega, Paleontologist Retired – **“Chicxulub Did Not Kill the Dinosaurs and Everything Else!”**
- Apr. 7- Dr. Kurt Marfurt, OU, TBD
- Apr.21- Dr. Nicholas Hayman, Director, Oklahoma Geological Survey, **“Using Mechanical Experimentation to Explore Reservoir Response and Bringing the Oklahoma Geological Survey into a Blue-Green Economy”**
- May 5- Liz Cornejo, Constantine Metals- **“Geologic Hazards Haines, Alaska Area”**
- May 19- Dr. Lee Krystinik, Geologist, and Tara Benda, Pres.TGS, General Chair AAPG MCS Convention
- May 22-26 AAPG Convention, Denver, CO

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.*

# KANSAS GEOLOGICAL SOCIETY



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Field Trip

Jerry Honas

Fishing TournamentFuture Plans

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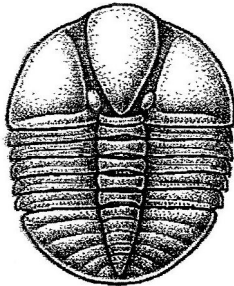
Douglas Davis  
2021Wesley Hansen  
2021

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

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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 fellow geologists and members of the Kansas Geological Society,



According to a TV Energy news report 2 weeks ago, the world and domestic oil market price is expected to trend upwards both from the US Federal Government's implementation of its "Greening policies" and the "Post Co-vid Pandemic" world industrial and manufacturing recovery.

It was projected by mid- year 2021 world oil prices to increase to \$65.00 per barrel by June of this year. However as I write newsletter on March 1, 2021 we hovering around the \$61.00 per world barrel price. Now I don't think we will have to wait that long. Same for the other oil price projections of \$75.00 by years end \$100.00 per barrel by mid- year of 2022. The price of crude oil will remain uncertain until the domestic crude oil supply meets demand as our economy recovers from the pandemic I do expect a future large government investment in different kinds of public transportation will be next.

Our future energy needs will still be based upon, in part, from transportation and manufacturing. I expect better days are ahead for our Kansas Oil Industry. Its time to start thinking about some of those oil and gas deals we had all put aside because of the past lower oil prices and expected smaller oil reserves. So go look again in Kansas where past oil has been found,

- Look for possible un-drilled, unevaluated deeper zones beneath former plugged out oil fields.
- Look at that regional map again - can that field or trend be somehow extended and have new or remaining oil reserves that can be found with the future higher oil price?
- Look at oil and gas stratigraphic traps that have been discovered by accident or on purpose in the past with the newer published understandings of their development and occurrence of porosity and permeability and their expected pinch outs or limits.
- Talk to your local geophysicist again and get up to speed concerning advances in the new seismic techniques that lower risk and better define reservoirs.
- Attend geological educational classes from AAPG and Universities and become aware of the latest information about exploration techniques.
- Tell your management to make an investment in your geological education career; they will see rewards in more creative geological thinking and more economical oil and gas reserves will be found.

Continued on page 10

## AAPG ACE and Section Meeting Updates For 2021

ACE 2021      May 22-26, 2021 Denver, CO  
May be virtual - updates to follow

AAPG MCS      October 3-5, Tulsa, OK

Mid-Continent Biennial Field Conference  
Postponed until Fall of 2022      Rolla, MO

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## Recent Donations to the KGS Library through the KGF

The Midcontinent Geological Library donated a large (>80,000) scout tickets to the KGF. This set is in 150 three ring binders which will soon be available for reference in the library. The set was probably generated by Tenneco.

Anderson Energy donated Thorton Anderson's completion card set. It is current to May of 2020. It is for sale by the KGF.

Darrah Oil donated files containing approximately 3,800 electric logs and 2,500 drill stem test reports.

Other significant donations of data came from Sondra and R. D. Reber, Kansas Seismic Exchange, Steve Giebler, Roy Knappe, Larry Skelton, Randy Wolfe, Mike Maune, Whiting Oil, and Rupe Oil.

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- Go to the library and look at all the different kinds of geological data in the files for inspiration for that next prospect!

Let us all do exploration again. Be enthusiastic, and be sure to lower risk. This is a great opportunity for everyone to explore again with these coming higher oil and gas prices.

The KGS board and standing committees represent the membership and continue make the best decisions for the continued future operation of your Kansas Geological Library. Looking ahead in 2021 we have great uncertainty in the future commercial operations of the KGS Library. We have continued to have monthly overhead operational losses.

Unless monthly sales increase in 2021, we can expect the same. Currently the library's biggest expenses are payroll and rent. Our lease will expire at the end of 2021. The KGS board has been under the advisement of the Future Plans Committee chaired by Tyler Sanders. The KGS Board is seriously considering all options including the negotiation of a more favorable lease, relocating to a cheaper space, or purchasing a warehouse space to house the library. It is imperative that the KGS Library survives into the future with its current paper assets. We realize some data needs to be rescanned and donations integrated before scanning. This is an ongoing project. Meanwhile, we must be able to house the paper until it is integrated, scanned and available online. Importantly, we are hoping and expecting a large and uniquely valuable donation by years end as well as other donations.

There is no collection of Kansas subsurface data that can come close to our library in its completeness and, most importantly, on its uniqueness of new and legacy documents. It not only serves and is VITAL to our membership, but to the entire Kansas oil, gas, and mineral industry.

Please support our library for all of your copying, scanning and printing needs. The KGS Library is very competitively priced for all of these services.

If you personally, or your employer, is willing to donate a usable building or provide a sizeable financial donation towards a building purchase, our society will be very grateful. We are under a great deal of pressure to get our building needs resolved as soon as possible for our future survival.

Everyone have a good winter's end. (*On a personal note....my bees surprised me last week and were seen out looking for flowers*). Everyone please stay safe and hope the coming spring is the start of another great time for the Kansas Oil Patch!

Brian G. Fisher

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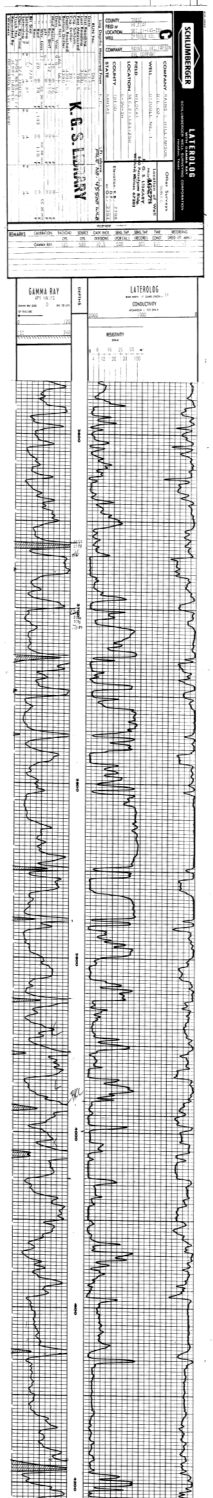
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# Minutes of the KGS Board of Directors Meeting

## KANSAS GEOLOGICAL SOCIETY

### BOARD OF DIRECTORS MEETING

December 8, 2020 – 11:30 AM for Lunch, KGS Library

#### ATTENDANCE & QUORUM:

##### Officers & Directors: Advisors & Guests

Brian Fisher - VP	Tom Dudgeon – Secretary	Wes Hansen– Director
Doug Davis – Director	John Hastings – Director	Doug Louis–Advisor
Kevin Davis–Advisor	Preston Doll – Incoming Director	

**Absent:** Bob Stolzle – Treasurer    Tim Lauer – President

I. **Call to Order** - Mr. Fisher called the meeting to order at 12:01 PM

#### II. **President’s Statement**

- Gratitude for support and better prices
- Thank you to all outgoing, currently serving and newly elected Board members.

#### III. **Society Activities/Events Update**

- Upcoming presentations
  - o Dec 16, 2020 - Dr. Katie Stack Morgan – JPL, NASA – Katie Stack Morgan is a research scientist at the Jet Propulsion Laboratory with interests in Martian sedimentology, stratigraphy, and geologic mapping of planetary surfaces. Her research focuses on the Martian sedimentary rock record, using orbiter and rover image data to understand the evolution of ancient surface processes on Mars. Katie is the Deputy Project Scientist of the Mars 2020 rover mission. Katie has also been a member of the Mars Science Laboratory (MSL) Science Team since 2012 and is currently a funded Participating Scientist on the mission. Deputy Scientist Mars Perseverance Rover.
  - o The same article will appear in the AAPG Explorer, for those who are AAPG members.

IV. **Approval of November 11th, 2020 Minutes** - Mr. Hansen made a motion to approve the November 11<sup>th</sup> minutes, seconded by Mr. D. Davis. The minutes were approved unanimously, as corrected.

#### V. **Financial Report**

- Manager’s Report (November 2020) – Total income for November was \$31,952.64. Total expenses were \$41,406.36 for the month. The YTD running total is a total loss of \$87,736.11, less expenses. Avg Monthly loss is \$7,974.
  - o PPP loan money in the amount of \$44,100 will likely not need to be repaid, lowering the YTD loss to \$43,636.11, the Avg. Monthly loss being \$3,966.90.

#### VI. **Old Business**



- The Building Committee continues to view properties.
- Survey Questions for Library members have gone out and we have received a sampling back.
  - o Email Survey will be completed in next 7-10 days and sent to all Society members
- PPP Loan update. Requested update from Cindy McSwain. - Not completed, but Cindy says the KGS will likely not be required to repay loan, as mentioned above.
- Scanning update and progress goals? Set expectation of monthly reporting to be submitted to Library manager by first Friday each month

## VI. **New Business**

- Christmas bonuses and COLA considerations
  - o Mr. Hastings made a motion to raise COLA by 2%, seconded by Mr. D. Davis. The motion was approved unanimously.
  - o Mr. Hansen made a motion to approve staff bonuses, the motion was seconded by Mr. Hastings, and the bonuses were approved unanimously.
- Membership Survey to go out in next week to 10 days. Will mention limit of maximum funds for Building relocation/purchase, etc.
- Geologist Licensing – Kansas State Board of Technical Professions.
  - o Letter received by Kansas Board of Technical Professions – was well received by KSBTP, timely, well written and carries weight with decision making of the board. The process is ongoing, and updates will be given by Mr. Louis.
- No contact with Dr. Ross - Landmark (75,000 SF, and Farmers and Bankers Bldg. (34,000 SF)
  - o Opening negotiations only at this stage. Will address in coming months with possible options.
- Postponement of our Annual Banquet. Mr. D. Davis made a motion to delay the Banquet 6 months, seconded by Mr. Hastings, the motion was approved unanimously.
- Any other items we should discuss?
- Next meeting will be held January 12th, 2021 @ Caesars Table
- Sincerest ‘Thank you’ to Board Officers, Directors, my advisors, and committees for their diligent work on behalf of the KGS Membership in this difficult time.
- Merry Christmas and a more prosperous 2021 to all of us!

VIII. **Adjournment** – Mr. Hastings made a motion to adjourn the meeting, seconded by Mr. Hansen, and the meeting was adjourned at 1:30 PM.

# Minutes of the KGS Board of Directors Meeting

## KANSAS GEOLOGICAL SOCIETY BOARD OF DIRECTORS MEETING

January 12, 2021 – Gather at 11:30 for Lunch/Meeting, Caesars Table, 125 N. Market,  
Conference Room.

### ATTENDANCE & QUORUM:

#### Officers & Directors: Advisors & Guests

Brian Fisher - President	Tom Dudgeon – Treasurer	Wes Hansen– Library Manager
John Hastings – Director	Doug Louis – Advisor	Preston Doll –Director
Tim Lauer – Director	Tyler Sanders - Advisor	Doug Davis – Guest
Dennis Hedke - Guest		

**Absent:** Garret Dinkel – Secretary Roger Martin – Vice President

I. **Call to Order** – Mr. Fisher called the meeting to order at 11:58 AM

### II. **President’s Statement**

Welcome new Board Members, My advisors for 2021 are Doug Lewis and Tyler Sanders, also our guests Dennis Hedke president of KGF, Doug Davis

I want to thank our past President Tim Lauer for his leadership during some of the most difficult times in the Kansas Oil Field.

Hope for better prices in 2021, I plan to be available if anyone has any questions or concerns about the future of the Library. I want to take a moment and read a section of my farewell speech in 2016, to set the tone of this meeting.

“We need the courage to make tough decisions and the compassion to help others” -Gen. Douglas MacArthur

### III. **Society Activities/Events Update**

Upcoming presentations January 13, 2021

The Permian Basin: What is its future?? Presented by J. Michael Party

The Permian Basin has been considered down and out before to only roar back stronger than ever. The tremendous resources contained within the Permian Basin must be considered before you can even start a discussion on the future of the basin. This is one of the world’s most prolific basins, a true Super Basin. It has produced right at 30 BILLION barrels of oil to date, and at its peak, earlier this year, was producing over 4 million barrels per day just from the shales, roughly 25% of all US production. The US Geological Survey projects technically recoverable reserves to be over 45 billion barrels of additional oil. Production trends provide many clues as to where the production in the basin could be heading. Variables such as price and cost will play a big part in future production, but access to capital will be the driver. As public companies are forced to generate free cash and private equality companies struggle to monetize assets for a profit, access to capital may be the major driver to future production growth.

Join Zoom Meeting

<https://us02web.zoom.us/j/89704503041?pwd=OXVxVIFXVkJM29QRUUrRzRueWJoZz09>

Meeting ID: 897 0450 3041

Passcode: 310094

One tap mobile

Talk on January 27<sup>th</sup>, KGS talk on Jan 28th

IV. **Approval of December 2020 Minutes** - Mr. Lauer made a motion to approve the Dec. 8<sup>th</sup>, 2020 minutes, seconded by Mr. Dudgeon, and the minutes were approved unanimously.

V. **Financial Report**

Manager's Report Summary (December 2020) – Total income for December was \$33,366.50. Total expenses were \$27,547.30 for the month. The YTD running total is a total loss of \$81,573.91, less expenses. Avg Monthly loss is \$6,796.

Totals are taken without accounting for the \$44,100 of PPP loan money that will not be required to be paid back.

VI. **Old Business**

The Building Committee continues to view properties. Again welcome to Tyler Sanders as my new Advisor, Update from Tyler Sanders.

Survey Questions for Library members have gone out and we have received a sampling back.

Email Survey will be completed and sent to all Society members, results not compiled yet, update from Wes Hansen.

PPP Loan update. Requested update from Cindy McSwain, Wes Hansen. Is there another opportunity for another PPP Loan in 2021? No update on PPP 2020 loan, however PPP 2021 loan is opening this week. KGS library is eligible for another \$46,204.

Mr. Lauer made a motion to explore options/apply for a PPP loan in 2021, seconded by Mr. Doll.

The motion was approved unanimously

Scanning update and progress goals.

Geologist Licensing – Kansas State Board of Technical Professions. Any more updates?

Senate Bill 10 has been introduced and will be debated. It is possible that licensing requirements proposed by BoTP could be considered a barrier to rights to earning a living wage, and a barrier to employment.

No official contact with Dr. Ross - Landmark (75,000 SF, and Farmers and Bankers Bldg (34,000 SF), However the building manager is aware that the Society may be moving.

VI. **New Business**

Dennis Hedke, Kansas Geological Foundation has invited Tyler Sanders and myself to attend a preliminary meeting with Janet Ward, KGF Attorney, to discuss possible modification of the KGF's Articles of Incorporation. This possible change comes about due to the potential for the KGF to arrange for ownership of a building to house paper records, due to expanding influx of contributions from various entities.

Another possibility would be for the foundation be in charge of fund raising for donations to receive 501 (C) (3) income tax write offs.

Postponement of our Annual Banquet for at least 6 months – Date not set.

Possible idea work for laid off geologists, to do research in KGS Library for out of state users for Kansas – There may not be much a market for this, but we can put it in the Bulletin.

Any other items we should discuss? Recent Earthquakes in East Wichita??

Next meeting will be held February 9<sup>th</sup>, 2021

VIII. **Adjournment** – Mr. Davis made a motion to adjourn the meeting, seconded by Mr. Doll. The meeting was adjourned at 1:27 PM

## *In Memoriam*

### **KGS and Industry Members Lost in 2020 and 2021**

#### **2020**

**Lloyd K. Parrish, Jr.  
Bruce A. Reed  
Bob Scull  
Thornton E. Anderson  
Ronald S. Schraeder  
Billy Gene Ree  
Philip L. Hart**

#### **2021**

**Lee Banks  
Richard “Dick” Smith**

#### **Editor’s Note: From an old geezer**

On April 20, 2020, I pulled up the Bloomberg page to check oil prices. At first I thought the -295% change in price had to be some kind of a glitch. Sadly this was not the case. The worst price I saw was \$-37.90. I had already learned in previous days that some of the local geologists had either lost their jobs or had been forced to take a cut in pay because of the low oil price. If we can safely get past this Covid-19 pandemic, we can get the world economies moving again. Our older members in their late 60’s and beyond probably can endure this time.

My sincere hope is that our younger members can find a path forward until better times return. From my own experience, fellow geologists that I knew in the 80’s moved out of the oil business for awhile to feed their family and pay the rent. Some of these old friends jumped back in the oil patch in better times over the years. Others just stayed out because they had found a more secure livelihood. I and others of my generation have seen downturns of varying degrees over the last 40 years. Most of us persevered.

I encourage the younger members of our society to keep their hand in the oil business, even if you have to move away from the business for awhile. **Our library and society will do all we can to help you through these times. As of February 25, 2021, WTI is near \$62/bbl We are getting back to business.**

**Please email me at [manager@kgslibrary.com](mailto:manager@kgslibrary.com) with thoughts or ideas of how the KGS can be of help.**

Hold strong,

Wes Hansen



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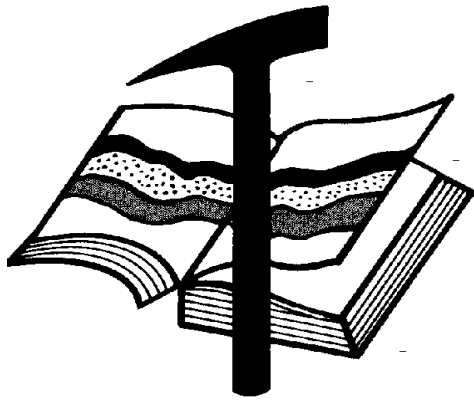
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# Kansas Geological Foundation

Web Site: [www.kgfoundation.org](http://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:

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

# *Kansas Geological Foundation*

## *Cornerstone*

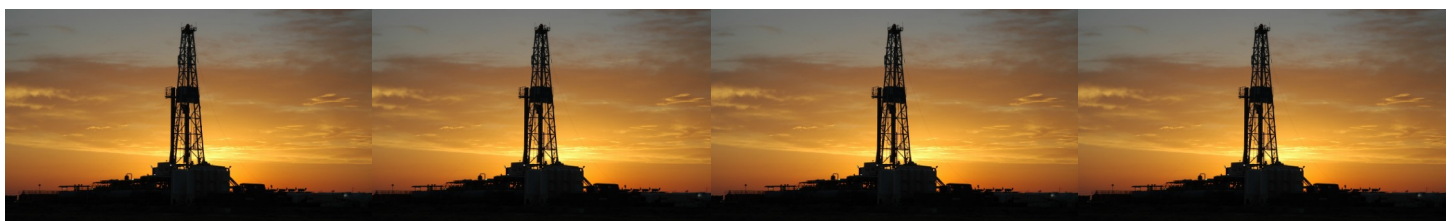
### *Kansas Geological Foundation News*

#### **Spring 2021 KGF Scholarship Recipients**

<b>Name</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Nicholas Ferry	University of Kansas	Knighton Family Scholarship	\$1000
Brynn Wooten	Fort Hays State Univ.	KGF Scholarship	\$500
Riley Sanford	Fort Hays State Univ.	KGF Scholarship	\$500
Austin Bruner	University of Kansas	KGF Scholarship	\$500
Sarah Lamm	Kansas State University	KGF Scholarship	\$500
Alexandra Staub	University of Kansas	KGF Scholarship	\$500
Emma Klein	University of Kansas	KGF Scholarship	\$500
Alireza Roustazadeh	Kansas State University	KGF Scholarship	\$500

#### **KGF Grants**

**Master's Thesis Grant to Ms. Zijie Gao  
University of Kansas  
\$750**



# *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, 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**

**President - Michel Runnion**  
**Vice President - Chris Steincamp**  
**Treasurer - Corey Baker**  
**Secretary - Debra FitzGerald**

## **Board Members**

**Dave Callewaert**      **Mark Galyon**  
**Ryan Dixon**        **Mark Thompson**  
**Will Darrah**

---

**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.**

## **Integration Update as of December, 2020**

From 01 January to 31 December, 2020, 24,581 well documents were examined by the integrators. 5,068 (20.6%) were new documents for the Walters Digital Library. 3,285 documents were re-scanned to replace poor existing digital images. The two integrators were working from home during March through June due to the Covid-19 quarantine. They could compare donated documents to the WDL from home, but could not scan documents. The scanning has now been caught up.

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

Submitted by Ted Jochems



# 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 yearend 2020 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

**Steve Frankamp**

**Richard Jordan**

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# Kansas Geological Foundation Memorials

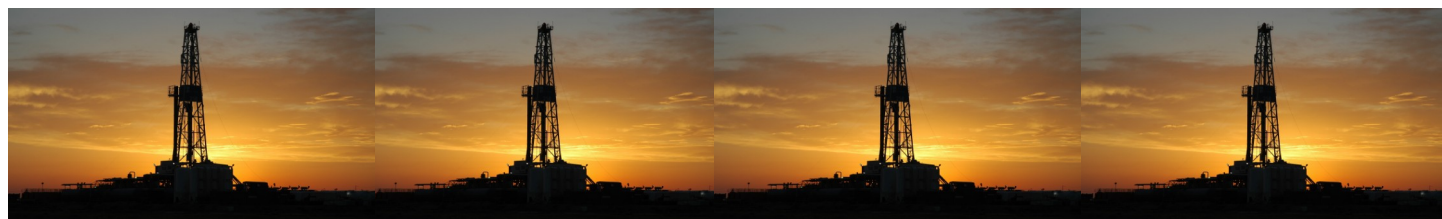
KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990
John Brewer	10/89	1990
George Bruce	08/89	1990
Robert Gebhart	01/90	1990
Ray Anderson, Jr.	11/90	1990
Harold McNeil	03/91	1991
Millard W. Smith	08/91	1991
Clinton Engstrand	09/91	1991
M.F. "Ted" Bear	10/91	1991
James & Kathryn Gould	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.	3/19	2019
Herb Johnson	8/19	2020
Lloyd Parrish	2/20	2020
Bruce Reed	5/20	2020
Bob Scull	6/20	2020
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Don Shawver	12/16	2020
Phillip Hart	12/20	2021



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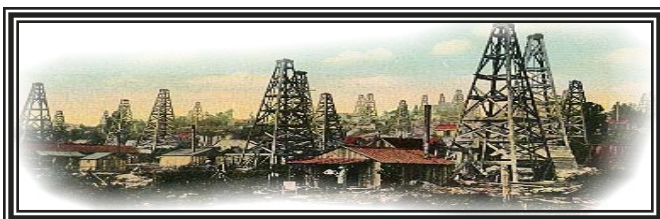
The logo for Duke Drilling Company features the word "DUKE" in large, bold, black letters at the top. Below it, a silhouette of a drilling rig is centered. The words "DRILLING" and "COMPANY" are written in bold, black letters on either side of the rig. Below the rig, the text "ROTARY DRILLING CONTRACTOR" 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!**

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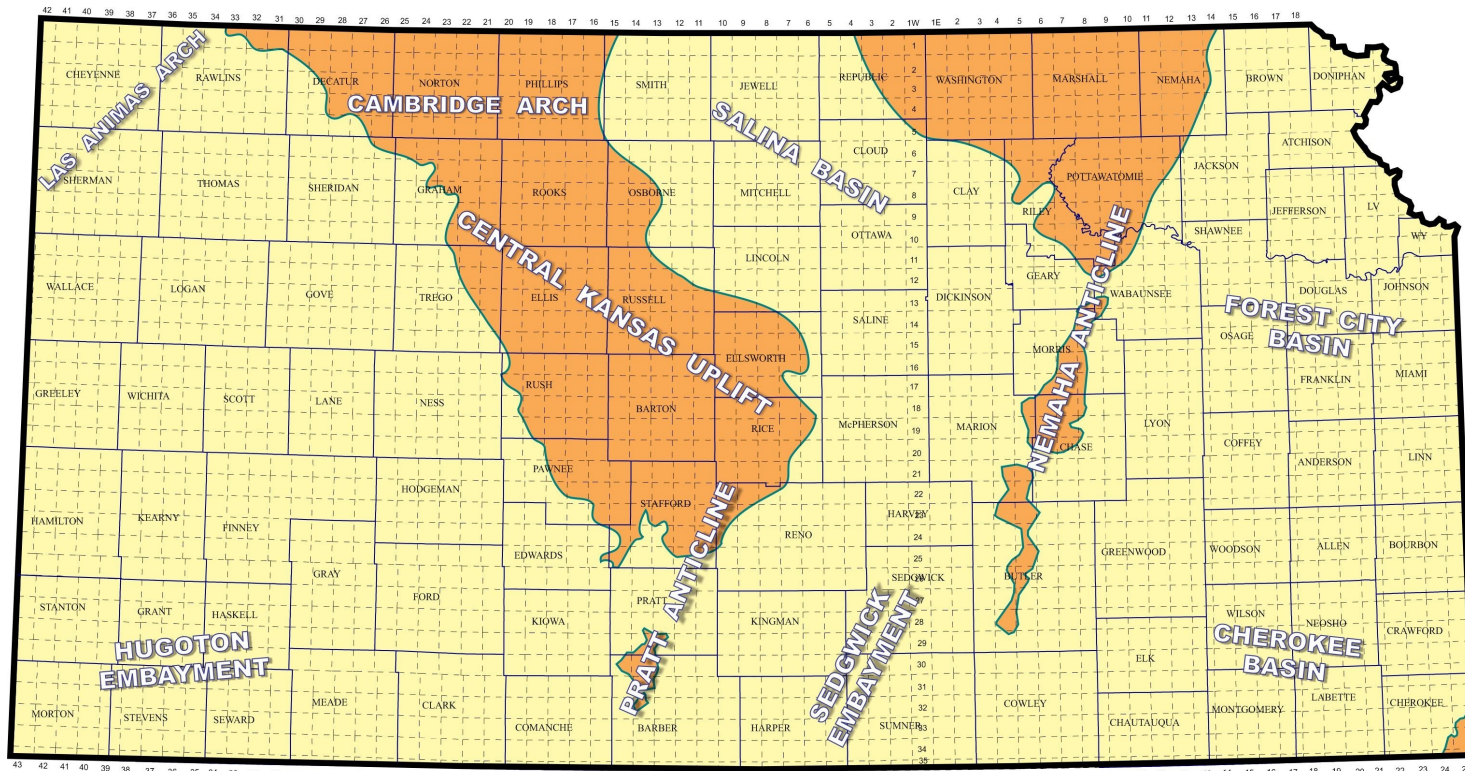
The Mid Continent Section has 17 AAPG Student Chapters, but only 3 Visiting Geoscientists...which makes it almost impossible to have a professional geoscientist visit to each school at least once a year or even once every two years. The aim of AAPG's program is to give students a flavor of a professional 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](mailto:rrgries@aol.com)





Map courtesy of Marc Summerville

Unfortunately, John Morrison was unable to provide any newly released discovery information because of a real lack of activity so far in the first quarter of 2021. With oil prices rising significantly in the past couple of months, perhaps more will be available in the May/June issue.

## New Completion Card and Strip Log Scanner Purchased

A big thanks to Angela Forrest for her research for a new scanner for our completion cards and strip logs. The scanner that was being utilized by the staff was on loan from our IT vendor. It was beginning to have some issues, so the acquisition of our own scanner was imperative. The scanner purchased was a Fujitsu fi-7030. Angela has been actively scanning strip logs from our files.

## Four New Oil/Gas Fields Recognized in Kansas

The **Kansas Geological Society's Nomenclature Committee**, in association with the Kansas Corporation Commission (KCC) and the Kansas Geological Survey, has recognized and named four new oil and gas fields in Kansas at a meeting held on February 8, 2021 in Wichita, KS. The four new oil and gas fields recognized in Kansas this year is down by one from the same period a year ago (- 20%). There were no "infield wildcat" discovery wells recognized, i.e. those wells located within an existing field, but lie over one-half mile from oil production or one mile from gas production.

### NEW FIELD DISCOVERIES

County	Field Name	Operator	Lease	S-T-R / Qtr	Typ e	Pay Zns
Ellis	<b>Brungardt SW</b>	Anchor Bay Petroleum LLC	1 Simpson	3-11s-17W, SE/4	Oil	Arb
Ellis	<b>Kay</b>	TDI Inc	1 Kay	32-14s-19W, SW/4	Oil	LKC
Finney	<b>Fleagle North</b>	Eagle Creek Corp.	1-2 Campbell	2-21s-34W, SW/4	Oil	Penn
Sumner	<b>Chicaskia SW</b>	Union Valley Petroleum	1-7 Edna	7-33s-3W, NW/4	Oil/ Gas	Miss

### INFIELD WILDCAT DISCOVERIES

County	Field Name	Operator	Lease	S-T-R / Qtr	Type	Pay Zns
None						

### FIELD EXTENSIONS & NEW PAY SOURCES IN EXISTING FIELDS

County	Field Name	Operator	Lease	S-T-R / Qtr	Typ e	Ext / N.P.
Ness	Sonador	BlueRidge Petroleum Corp.	1-30 Schlegel - French	30-19s-25W, SE/4	Oil	Marm (Ft Sc)
Scott	Manning SW	Joe Gerstner Oil LLC	1Weisenberger-Stoll Unit	10-18s-31W, SE/4	Oil	Marm, Cher

### FIELD REVIVALS

County	Field Name	Operator	Lease	S-T-R / Qtr	Type	Pay Zns
None						

**CHANGE SERVICE REQUESTED**

KGS BULLETIN  
 March - April 2021

**March 2021**

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

**April 2021**

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