



Established 1925

KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 95 Number 5

September - October 2020

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Memorial for Thornton E. Anderson

Entry Forms for KGS Golf and Shooting Tournaments



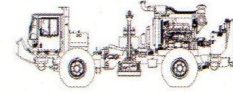
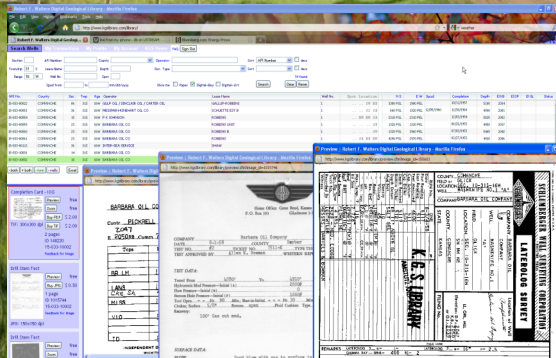
View to southwest of Colorado National Monument near Grand Junction, Colorado, on the Uncompaghre Uplift showing the remarkably flat unconformity at the top of the Precambrian Black Canyon Group (1.7BY), overlain by the Upper Triassic Chinle Shale (wet climate), and in turn, the Upper Triassic-Lower Jurassic eolian Wingate Sandstone (dry climate).

Photo by S.J. Mazzullo

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ON THE COVER:

View to southwest of Colorado National Monument near Grand Junction, Colorado, showing the remarkably flat unconformity at the top of the Precambrian Black Canyon Group (1.7BY), overlain by the Upper Triassic Chinle Shale (wet climate), and in turn, the Upper Triassic-Lower Jurassic eolian Wingate Sandstone (dry climate). This is the Uncompaghre Uplift.

Photo by S.J. Mazzullo

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

All Technical Meetings will be on Zoom

- September 2, 2020 Dr. Wan Yang, UMS&T; “Milankovitch Climatic Signals and Stratigraphic Completeness of the Ernst Tinaja Section of the Upper Cretaceous Deep-Marine Eagle Ford Formation, Big Bend National Park, Texas”
- September 16, 2020 Dr. Gerilyn Soreghan, Chair Geology and Geophysics Department at Oklahoma University; “Dust in Permian Equatorial Pangaea”
- September 30, 2020 Dr. Jake Walter, OGS; TBA
- October 14, 2020 Dr. Scott Tinker, TBEG; “Energy in the Time of Covid”
- November 4, 2020 Michael Pollak, Tulsa; TBA
- November 18, 2020 Dr. David Newell, KGS; “Movement of Disposal and Formation Water in the Cambrian-Ordovician Arbuckle Group in Kansas”

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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2021

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2021

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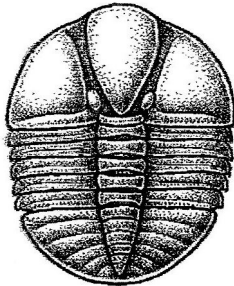
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**Randy Lilak correctly identified
The last one as: Harpides**

**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

Dear members,

At the core of our society is the associations we have made over the years and continue to make daily. These associations have lasted from years to decades for most of us. We have seen many members pass and the flow of new members slow dramatically, however the association's we make are strong as an organization.

Through the years our annual events continue to bring us together to share our other outside interests. Two such upcoming events are in this issue of the bulletin. I encourage everyone to come to these events and to support these activities.

These activities are opportunities to come together and support *one another* and if this time it's to share less enthusiastic news of our business, it is also a time we can plan and look ahead to more normal conditions.

As geologists we tend to think when things are bad they will only get worse, and when things are good they will stay that way and only get better. Reality is that our business has always been boom or bust with periods of stability we think will not end.

Our current period of instability contrasts the stability of the relationships we have built with our peers. Even now when I speak to other members, I express my gratitude that they are still there. Seeing, discussing, and planning for the future with them continues to lift my spirit.

With all the social distancing, it's important that we remain social. It means getting out and seeing one another.

These upcoming outdoor activities we have scheduled are good time to enjoy being in the presence of one another. While we may not be making as much money as in other times. Our friendships continue to make us truly rich.

If you can join us at these annual events your 'friends and friendships' will be enriched and maybe your presence will lift someone else's spirit. If you can't make it to one of these events pick up the phone and give me a call.

As always, I enjoy talking with my fellow geologists and I will remind them that our current predicament will not stay as it is, because in our business it never does.

Best regards,
Tim Lauer



AAPG Section Meeting Updates For 2020

Eastern **Sept. 13-15** **Champaign, IL**

RMAG **Canceled**

Gulf Coast **Sept. 30-Oct 2** **Lafayette, LA**

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

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In Memoriam

KGS and Industry Members Lost in 2019 and 2020

2019

Bob Euwer
James A. Roberts
W. Lynn Watney
Herbert R. Johnson
William M. Raymond

2020

Lloyd K. Parrish, Jr.
Bruce A. Reed
Bob Scull
Thornton E. Anderson

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Editor's Note: From an old geezer

On April 20, 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 new 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 August 6, WTI is near \$40-42/bbl We are slowly getting back to business.**

Please email me at manager@kgslibrary.com with thoughts or ideas of how the KGS can be of help.

Hold strong,

Wes Hansen

An Open Invitation to Young Geologists to Join AAPG

I would like to extend a special invitation to recent graduates and other young geological professionals to join AAPG. There are many young geologists outside the Wichita area that I have never met. They may work out of Great Bend or Hays, Kansas working with smaller oil and gas producers or working on their own as well site geologists. Kansas does have a future for the foreseeable future. The time is now to meet others from larger regional companies to forge a relationship for future employment. Young minds will be needed to replace those retiring and that other bad option.

I joined AAPG late in my career, much to my regret. I now serve voluntarily as a delegate for the Mid-Continent Section representing the Kansas Geological Society.

Respectfully yours,

Wesley D. Hansen Bulletin Editor and AAPG Delegate

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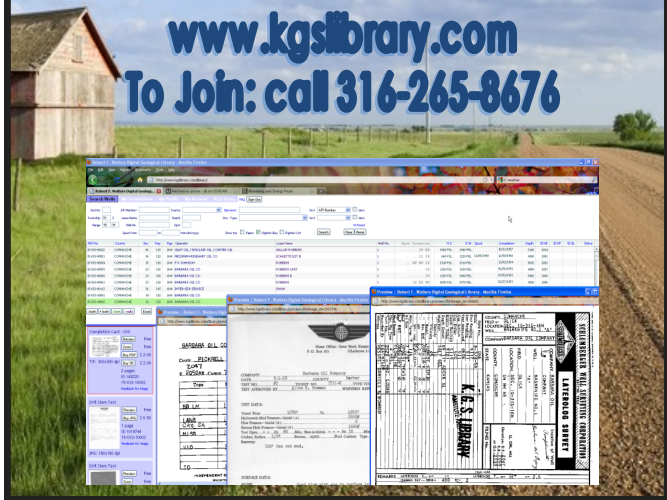
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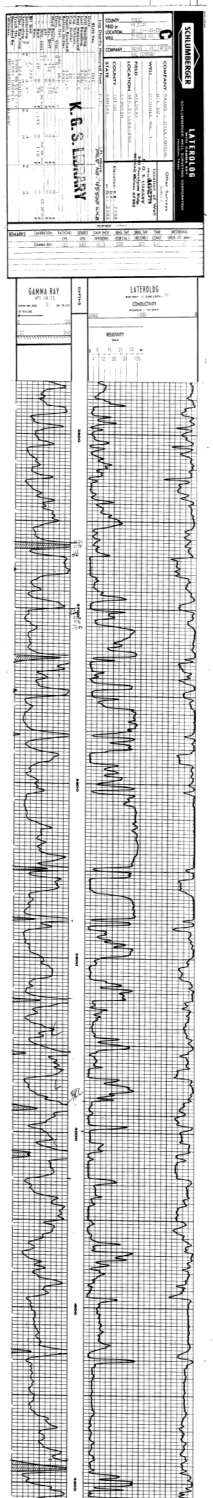
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- Map racks—different sizes

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Minutes of the KGS Board of Directors Meeting

KANSAS GEOLOGICAL SOCIETY BOARD OF DIRECTORS MEETING

June 16, 2020 – 12:00 noon, Petroleum Club ‘Board Room’

ATTENDANCE & QUORUM:

Officers & Directors: Advisors & Guests

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

I. Call to Order – Mr. Lauer called the meeting to order at 12:02 PM

II. President’s Statement

Hanging in there. Still hanging in there.

III. Society Activities/Events Update

- All social activities and technical meetings remain postponed until further notice.
- Doug Davis will continue conversing with upcoming speakers as to when social gathering limits are lifted. He will continue to express our thanks to all including those who prefer to reschedule until later.
- Sept. 14th – OU President of Geophysics Dept.

IV. Approval of April 14th, 2020 Minutes – No meeting in May. Approval of April minutes via ‘email.’

V. Financial Report

- Total amount of \$258,000 moved to Vanguard Short-Term Bond Index Fund Admiral Shares (VBIRX) fund. On April 20th, 2020 an amount of \$75,000 total was transferred to other Vanguard Funds recommended by the Finance Committee(\$50K to Wellesley Admiral fund and \$25K to 500 Index Admiral Fund)
- We did NOT move any money in May. Remained in VBIRX fund.
- Managers’ Report – The April report shows a Net Income of \$23,572.58, Net Expenses of \$42,658.26, Net Income of \$-19,085.68. Resulting in a YTD Net of \$-10,204.18 as of the end of April.

VI. Old Business

- The Building Committee update
- Still continuing search. Tyler remains watchful for auctions and bank foreclosures. PPP funding from Federal government has kept many properties out of foreclosure.
- Survey Questions for membership still pending and unsent. Suggest ‘tabling’ until later in the year.

- Remaining Funds moved to Vanguard holding account are currently being held in reserve. The stock market has recovered fully from Pre-Covid and the ‘buying opportunity’ is not currently available. Funds remain ready in the event of another large market drop.
- Benefits are still available to new grads (free 1 year membership); however there was very little response and no new student memberships have been approved to date.

VI. New Business

- PPP Loan applied for and approved.
 - Loan amount of \$44,100 approved. Funded into our account and currently in use. Loan forgiveness gives us 24 weeks (up from 8 weeks) to use funds or remaining funds will be treated as a loan.
 - Funds are being applied “according to guidelines”.
- Re-opened the Library on June 1st, 2020.
 - o Social distancing still in effect. Any sick employees (or exhibiting symptoms) will be required to stay at home.
- KGF met to discuss transfer of their employees to KGS. Approved transfer pending our (KGS) acceptance.
- A motion was made by Mr. Fisher to transfer Helen and Emily over to the KGS as employees, from the KGF, retroactive to June 1st, seconded by Mr. Davis and the motion was passed unanimously.
- Brian Fisher and Tim Lauer continue to work on suggestions of how best to speed things up on the scanning front.
- How do we help our membership in these difficult times?
 - We may need to discuss cutting prices/fees for members facing hardship (nearly everyone).
 - One option might be to encourage members to be billed and to pay a day fee for access. (Rather than pay for annually in January)
 - Primarily an option for ‘individuals’ not currently company employed.
 - When it reaches the \$800 level consider Print Library subscription ‘paid in full’.
 - Still get logs, GR’s etc., printed at preferred pricing.

This becomes an option we DECIDE in October/November prior to next year’s billing.

- Not sure best way to handle ‘Company accounts’. Suggestions?
- We will be losing memberships and we need to be prepared.

Minutes of the KGS Board of Directors Meeting

- Options include reducing Printed Library membership cost.
- Limited Use Memberships?

How will it affect WDL cost?

Still go with a \$600 yearly WDL but waive Print Library fees?

Thanks to all for meeting today at the P-Club and thanks for your support of our Society.

Next meeting will be held July 14th, 2020.

VIII. Adjournment – Mr. Fisher made a motion to adjourn, seconded by Mr. Davis, and Mr. Lauer adjourned the meeting at 12:58 PM

Respectfully submitted,
Tom Dudgeon

KANSAS GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

July 14, 2020 – 12:00 noon, Petroleum Club ‘Board Room’

ATTENDANCE & QUORUM:

Officers & Directors: Advisors & Guests

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

Absent: John Hastings – Director

I. Call to Order– Mr. Lauer called the meeting to order at 12:00 PM

II. President’s Statement

- World demand returning and prices firming up.

III. Society Activities/Events Update

- Tech talks offered remotely? Alternatives for ‘in person’ talks. Tech Talks will potentially start in the fall. Looking into Zoom/Go To Meeting, etc. to do Tech Talks remotely. Allows for a wider audience, ease of access to speakers, and live moderator run questions.

IV. Approval of June 16th, 2020 Minutes

- Mr. Fisher made a motion to approve the minutes from the June 16th meeting, motion was seconded by Mr. Davis, and the motion was passed unanimously.

V. Financial Report

- Manager’s Report – Total Income for June was \$31,076.46, and Total Expenses were \$34,560.72. YTD there is a Net Loss of \$20,200.04 less Expenses, with a monthly Avg. Loss of \$3,366.

VI. Old Business

- The Building Committee update. Still searching, PPP funding for business owners is running out, possibly providing opportunity in the near future.
- Survey Questions for membership? Waiting for “equilibrium” possibly towards the end of the year.

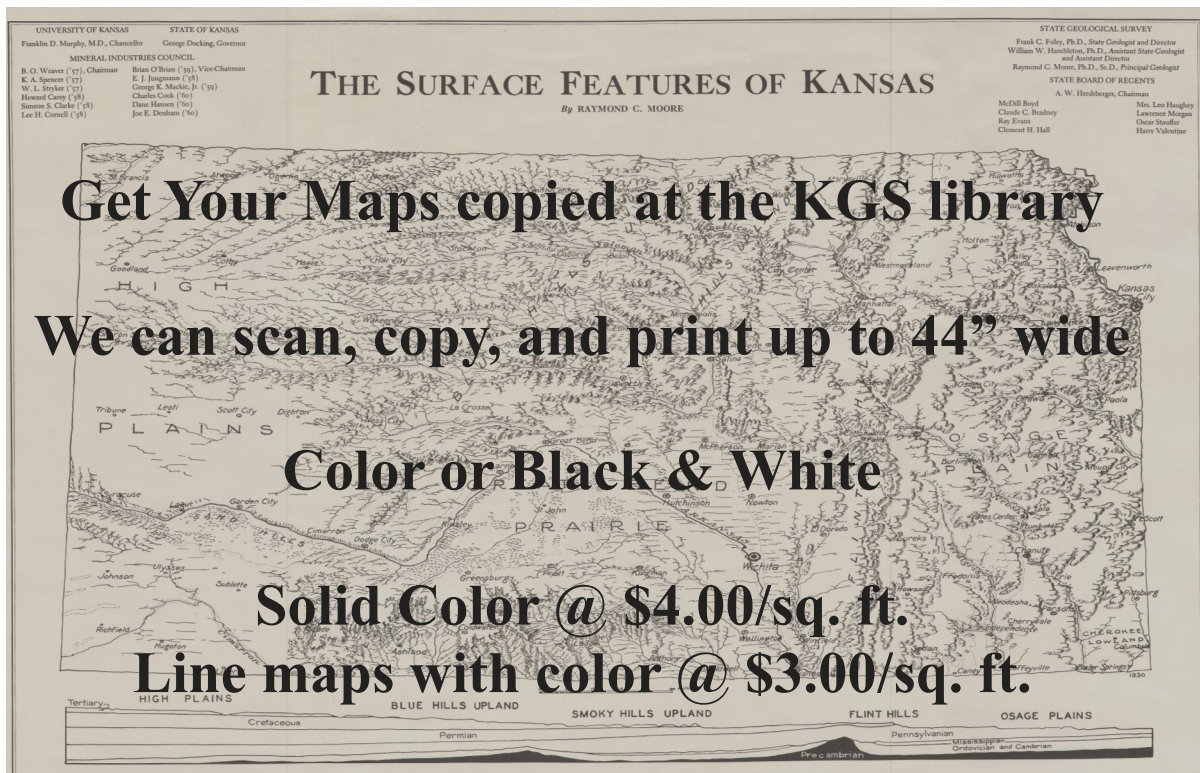
- PPP Loan update. PPP will be completely spent by the end of July, and prepping for loan forgiveness.
- KGF employees officially transferred to KGS (Emily and Helen) June 1st.

VI. New Business

- Library allowing members in. Social distancing still in effect.
- Orders down but making a nice comeback.
 - price and lack of activity
 - WDL good source for log orders. Possibly add a 'submit to print' feature-would be time saving for employees processing orders requested by members.
- Informal poll of several KGS members by T. Lauer
- How do we help our membership in these difficult times?
 - Discount off Paper Library? Discount off WDL? Additional Discount off Paper prints? Cut Cost of logs to members? Paper Library and WDL need to be kept competitive to other resources, such as MJ Systems.
- Next meeting will be held August 11th, 2020.

VIII. Adjournment - Mr. Hansen made a motion to adjourn the meeting, seconded by Mr. Fisher, and Mr. Lauer adjourned the meeting at 1:05 PM

Respectfully submitted,
Tom Dudgeon
Secretary



Memorial

Thornton E. Anderson 1923-2020

Long time Wichita geologist and oil producer, Thornton E. Anderson, passed away July 25, 2020 at the age of 96. Thornton was born September 2, 1923 in Hutchinson, KS. His early years were spent in Salina, KS before the family moved to Wichita in 1932. He graduated from Wichita East High School in 1941. He began undergraduate studies at Wichita University prior to being inducted in the Army Air Corp in 1943.

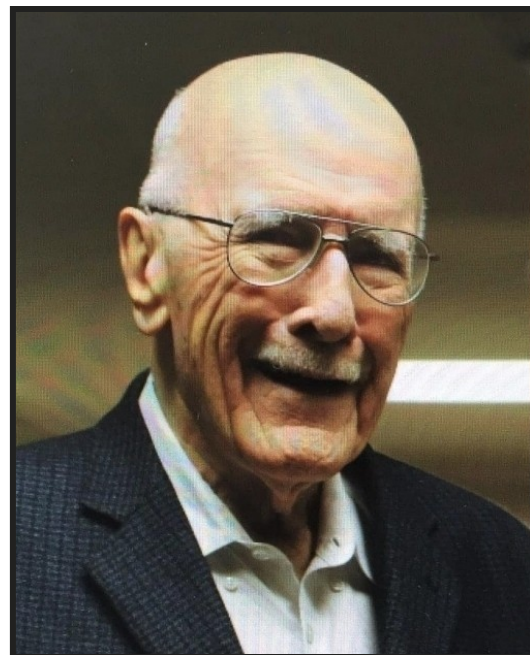
Thornton's military service during WWII consisted of multiple advanced education programs and training at the universities of Minnesota, Harvard and MIT, never seeing service overseas. He returned to Wichita after being discharged and earned a B.A. in Geology from Wichita University in 1947 and a M.S. in Geology from the University of Wisconsin in 1949.

Thornton worked for Gulf Oil while completing his education, but found greener pastures with Skelly Oil in Midland, TX from June of 1949 until December of 1950. From there, Thornton worked for Petroleum, Inc. followed by Lion Oil, where he attained the position of Regional Geologist as the company expanded. In 1955, Thornton attained his long sought goal of being an independent geologist. In 1962, he formed a company with Bob Watchous, High Plains Production, until that company dissolved in 1969. He then returned to being an independent operator until 1981, when he formed Anderson Energy Corp. with his son, Bill.

Thornton has served the oil and gas industry and the geological profession well. He remained a member of the Kansas Geological Society at the time of his passing, spanning over 70 years. He was Vice President of the Society in 1955. He served as president of the Kansas Geological Foundation and the Wichita Petroleum Club. Thornton was inducted into the Kansas Oil and Gas Hall of Fame in 1998. Thornton has served in the AAPG House of Delegates, as a trustee associate of the AAPG Foundation and as a director and secretary of KIOGA. He had also maintained membership in SIPES, IPAA and IOGCC. Thornton was awarded Honorary Membership of the Kansas Geological Society at the Annual Banquet on January 26, 2007.

Thornton was pre-deceased by his parents; an infant daughter, Karen Lynn; his sister, Shirley Heath; wife, Kathleen; son, Joe and long time companion, Barbara Lyle. He is survived by his children, Bill (Holly) Anderson of Wichita, Earl Anderson of Highlands Ranch, CO, Amy Anderson of Denver, CO, and Mary Anderson of Carbondale, CO; two stepdaughters, Nancy Grow and Kitsy Carnes; 7 grandchildren; 4 step-grandchildren; 4 great-grandchildren; and numerous nieces, nephews and cousins.

Because of the pandemic, Thornton's funeral and interment was private. A celebration of life will be held once it is safe to do so.





KGS Annual Golf Tournament
Monday, September 28, 2020 at
Terradyne Country Club
Andover, KS

Check In: 8:00 AM

Coffee and donuts served: 8:00 AM - 8:30 AM

Shot Gun Start: 9:00 AM

Scramble (best ball) Tourney 6 man teams (carts of course)

Limited to 108 players with a minimum of 72 players

Lunch is provided

Entry Fee is \$100.00 with mulligans sold for \$5.00 each (limit 2)

**Prizes for flight winners and closest to the pin, longest drive, and
longest putt on various holes**

27th Annual KGS Shooting Tournament
Friday, October 2, 2020
12:00 Noon to 4:00 PM
Shady Creek Sporting Clays Range
1252 N. Oliver Rd., Belle Plaine, KS

100 Shot Sporting Clays
BBQ Lunch will be provided
Bring your own shells or purchase on site

Entry fee is \$65.00
Include the entry fee with the form insert provided

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 Derby, Kansas 67037

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Petroleum Geologist
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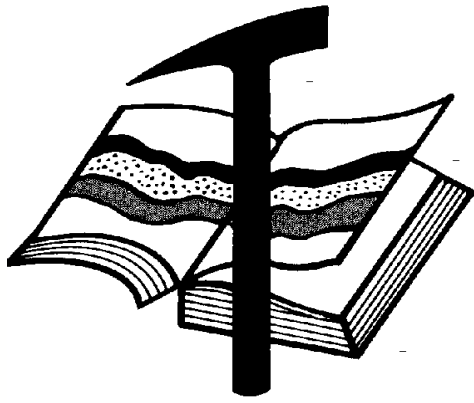
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Kansas Geological Foundation

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

Fall 2020 Scholarship Recipients

Applicant	University	Scholarship	Amount
Ali Roustezadeh	Kansas State Univ.	Robert Cowdery Scholarship	\$1000
Barabas Adeymi	Kansas State Univ.	KGF Scholarship	\$500
Sara Lamn	Kansas State Univ.	KGF Scholarship	\$500
Benjamin Walters	Kansas State Univ.	KGF Scholarship	\$500
Isaac Allred	University of Kansas	KGF Scholarship	\$500

Applicant	University	Scholarship	Amount
Olivia Jones	University of Kansas	KGF Scholarship	\$500
Will Swanson	University of Kansas	KGF Scholarship	\$500

KGF Grants

Dr. Hendratta Ali of Fort Hays State University
Awarded in December of 2019 \$1000.00

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, 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 April, 2020

From 01 January to 30 April, 2020, 11,728 well logs were examined by the integrators. 1,229 (10.5%) were new logs for the Walters Digital Library. 1,799 logs were re-scanned to replace poor existing digital images. The two integrators were working from home during much of this period due to the Covid-19 quarantine. They could compare donated logs to the WDL from home, but could not scan logs. Therefore, the numbers of new and re-scanned logs are presently incomplete. The full count will be reported later after scanning is complete.

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.	3/19	2019
Herb Johnson	8/19	2020
Lloyd Parrish	2/20	2020
Bruce Reed	5/20	2020
Bob Scull	?/20	2020
Thornton E. Anderson	7/20	2020



18 Drilling Rigs

To depth of 9,500 ft.



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For contract information contact:

William Murfin
Drilling Manager

316-258-8888 (Direct)
316-267-3241 (Main)

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

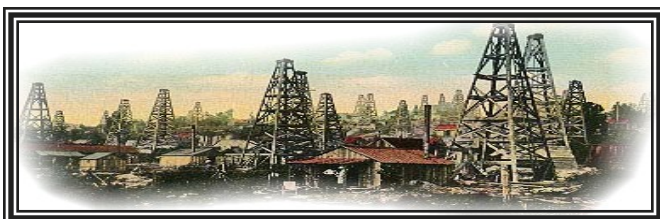
The logo for Duke Drilling Company features the word "DUKE" in large, bold, black letters at the top. Below it, a silhouette of a drilling rig is centered. The words "DRILLING" and "COMPANY" are written in bold, black letters on either side of the rig. Below the rig, the text "ROTARY DRILLING CONTRACTOR"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

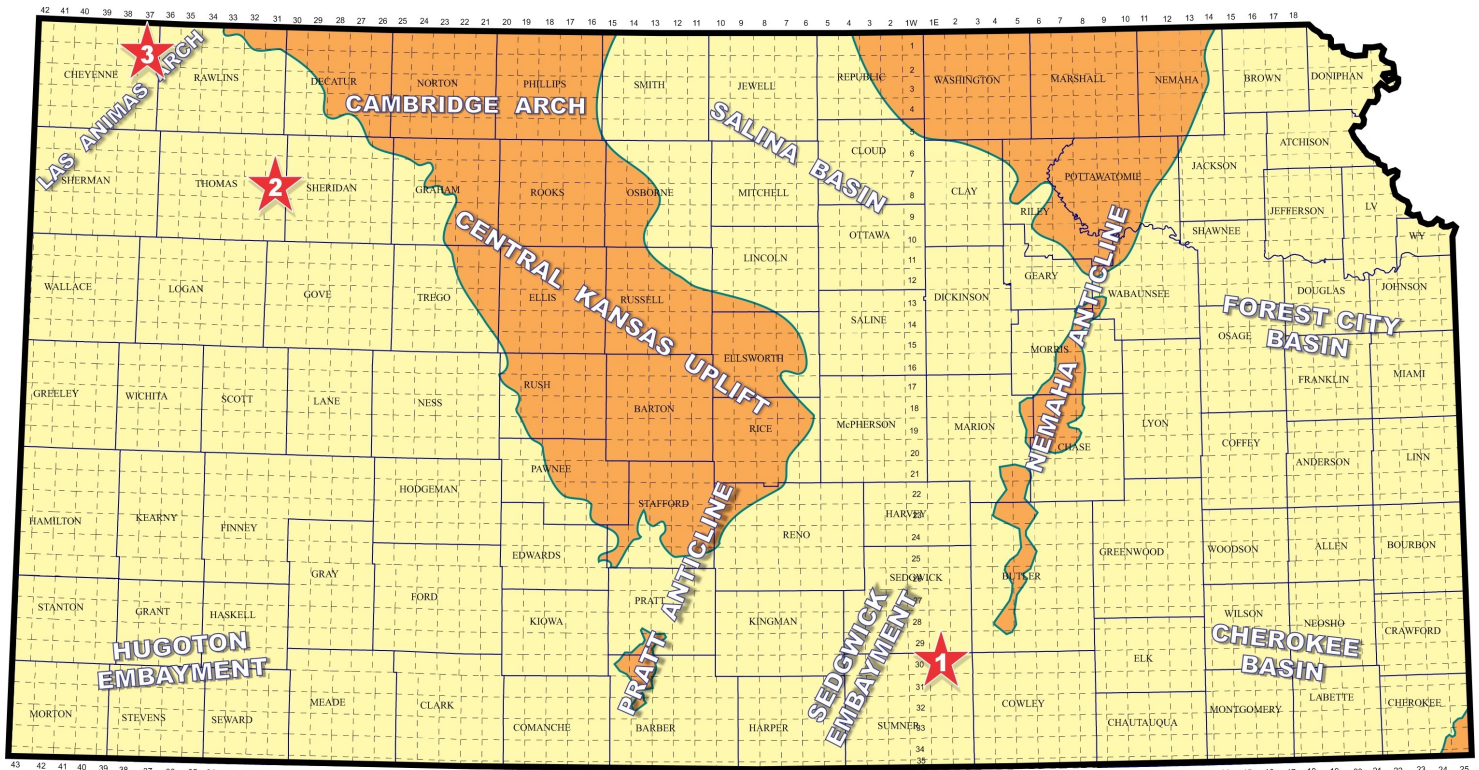
Professional geoscientists, share your world!

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

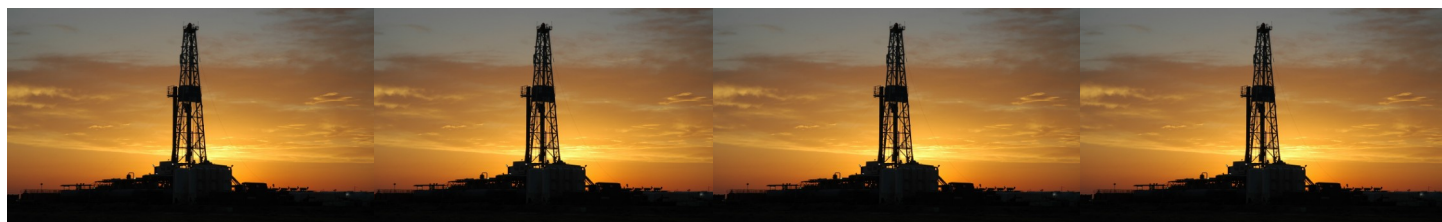
1. **Woolsey Operating Company LLC**, Wichita (KS), has discovered Simpson oil reserves at the #1 Parker, ~NE SE SW NE in section 26- T30s- R1E, in Sumner County, south central Kansas. The wildcat well was drilled to a total depth of 3,785 ft. at site located about three-quarters mile north of the city of Belle Plaine. Completion details are confidential currently. Simpson pay is not new to the area. The Markley oil field, spotted less than one mile to the north-west of the Parker lease, produced over 552,000 bbls of oil from a 4-ft thick Simpson pay zone for 34 years from 1958 to 1992. In addition, the Belle Plaine oil field to the south of the Parker well has produced oil from the Simpson formation, as well as the Lansing-Kansas City and Mississippian formations. Woolsey's new oil field has not been named.
2. Independent oil producer **Carmen Schmitt Inc.**, Great Bend (KS), has discovered new Marmaton oil reserves nearly one and one-half miles north of the Schwartz oil field, which has produced oil almost 105,000 bbls of oil from the Lansing-Kansas City limestones since 1976. Discovery was made at the #1-35 Steiger Unit in the N/2 NE/4 of section 35- T8s- R31W, in Thomas County. The

well was drilled to a total depth of 4,665 ft. The new unnamed pool opener was placed on pump on June 15, 2020 at site located two and one-half miles south and one mile west of the town of Menlo, Kansas. Closest Marmaton pay in the county lies 3 miles to the southwest of the Steiger lease in the Ostmeyer Northwest oil field in section 29- T9s- R31W. Completion details currently remain confidential. (ref: API 15-193-21076)

3. Murfin Drilling Company Inc., Wichita (KS), has established a new unnamed Lansing-Kansas City oil field in Cheyenne County near the Rawlins County line. The #1-24 Abbe Unit, spotted in ~NE NE NE NE of section 24-T2s- R37W, was drilled to a total depth of 5,100 ft. into the Mississippian formation by company tools. Four drill stem tests were taken. First production commenced on June 23rd. Completion details are confidential. Field area lies nearly one and one-quarter miles south of recognized production in the Brumm West field (2017, Oread and LKC oil), or eight miles north and six miles east of Bird City, Kansas. (ref: API 15-023-21545)

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 working with it and she has been able to set up everything we need.



CHANGE SERVICE REQUESTED

KGS BULLETIN
 September - October 2020

September 2020

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

October 2020

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