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KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 85 Number 4

July—August 2010

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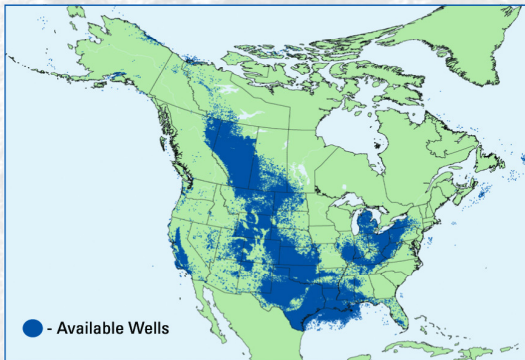
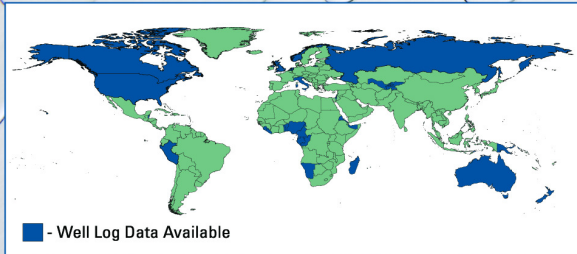
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ON THE COVER:

Many of you may recognize this syncline from Lime Creek Colorado. This photo was taken by Kyle Day during WSU Field Camp this June. More photos of this year's field camp are on page 22.

CALL FOR PAPERS

The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum printed length of papers is 5 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to Technical Editor Dr. Sal Mazzullo at salvatore.mazzullo@wichita.edu, whose mailing address is Department of Geology, Wichita State University, Wichita, Kansas 67260. 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

There are no technical meetings scheduled for the summer

We will resume meetings on September 7th

Sept. 7th—Sal Mazzullo & Brian Wilhite, *“Mississippian Outcrop Lithostratigraphy & Depositional Architecture as Models for Subsurface Petroleum Exploration”*

Sept. 21st— Lynn Watney & Saibal Bhattacharya *“Collaborative Efforts in Geologic, Geophysical, and Engineering Modeling to Evaluate Carbon Sequestration Potential in Kansas”*

Sept. 24, 25, 26—KGS Field Trip (see inserted flyer for details)

Sept. 28th— *TBA*

Location for Technical Meetings

*All KGS technical presentations are held at 12:30 p.m. at the **Wichita Bar Association**, located at **225 N. Market**, ground floor conference room, unless otherwise noted.*

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



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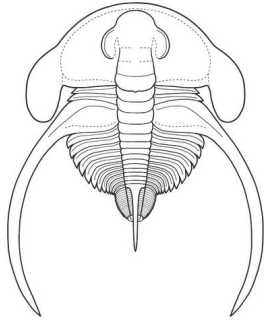
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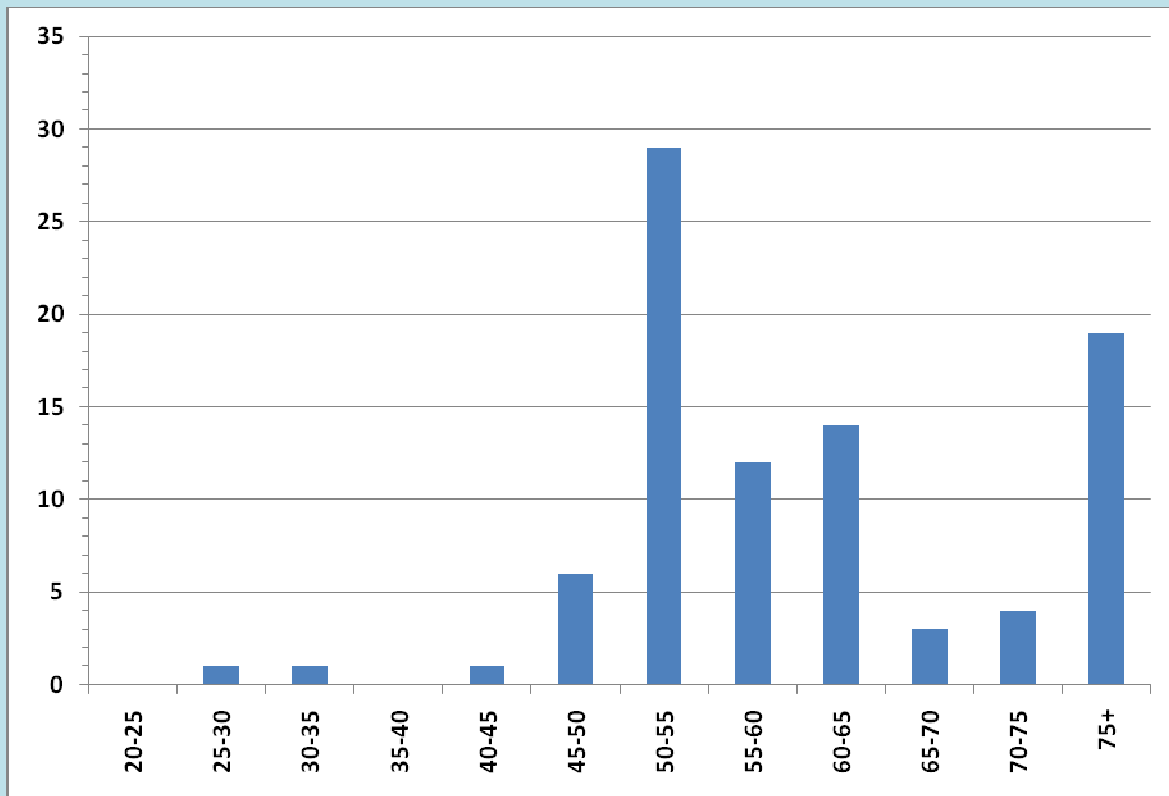
President's Letter



Dear Members;

Welcome to the premature Dog Days of Summer! After the unusual Monsoons of May and early June, our weather pattern has definitely turned. The Dog Days of Summer usually refers to the hot, sultry of mid July and August, but thanks to global warming and the unrestrained use of fossil fuels, we are having it early this year. But we won't pursue that discussion at this time.

Last issue we announced the all member survey that we initiated to help evaluate the direction of the KGS for the future. I am especially concerned about our dwindling membership and the economic viability of the library over the next decade. We received a good response in the first 4 to 6 weeks, but the rate that we are now receiving completed surveys has slowed to a trickle. We have begun collating the data and have some preliminary results and observations. Of 692 members, we have received only 89 responses or about 13% of the membership. While I do not believe that 13% is an accurate representation of our total membership, I do believe that it provides some meaningful trend information. The age histogram below shows the age distribution of the respondents.



Ninety-one percent are above the age of 50, and over 1/5 are 75 years or older. A third of the 50-55 age group indicated that they plan to retire within the next 10 to 14 years. Considering the fact that 11 of our members have passed away this year, and our aging membership, our Society will be markedly affected as indicated by the statistics.

One of the interesting statistics that reflected the level of satisfaction towards our profession is in the response to the number of years that the members planned to work. Forty percent of the answers given are along the lines of: "Until they close the lid", "until they carry me out feet first", or "when I keel over". Of course, I should mention that 11 of the members with that mindset are over 75 years old. I firmly believe that this is a response to the love of our chosen profession and the desire to continue working as long as we receive enjoyment from the work. More information will be forthcoming as Tim Pierce, Paul Gunzelman and I continue to review the survey data. The

Continued on page 10



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- Fischer Assays of Oil Shale Drill Cores and Cuttings from the Greater Green Green River Basin, Southwestern Wyoming — USGS
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From The Manager

Dear Members,

It seems everyone is staying busy and you are keeping us busy here at the library which is a very good thing.

We had a record setting attendance at our annual KGS Golf Tournament this year. It was a perfect day, a little on the warm side but everyone seemed to have a good time. Thank you to Dave Barker and his committee, Jerry Mason and Chuck Latham—great job guys!

Our next event will be the KGS Picnic at All Star Sports West. I hope you can plan on attending and enjoying the evening with colleagues and friends. Bring your children and/or, as in my case, grandchildren, and enjoy all of the fun activities. The picnic will be on Friday, August 13th.

Also that next week is KIOGA's annual meeting here in Wichita at the Airport Hilton. Hope to see some of you 'out-of-towners' at that as well.

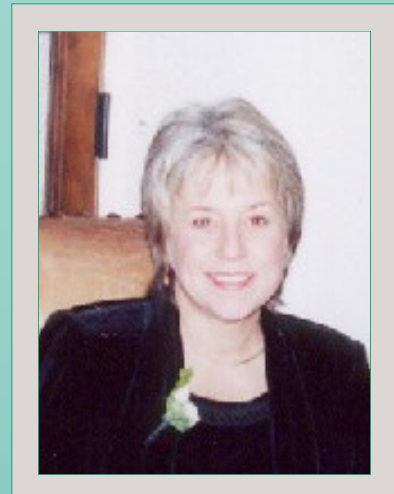
The Kansas Geological Foundation has started ramping up on the "Accelerated Integration Project" and they are making great headway in the basement. I will have some photos of the progress posted in this bulletin so you can see what's going on down there. We are still trying to raise funds to keep some students employed on that project so please keep the Foundation in mind if you can give towards the project.

Another note of interest, Board Secretary Marjorie Crane Noel gave birth to a healthy baby girl on May 24th, Jillian Imogene Noel. She's a cutie!

Respectfully submitted,

Rebecca Radford

Manager



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The Kansas Geological Society & Library

(President's letter continued)

low response of the "under 40" members to the survey compels me to admonish this group with the following: In 10-15 years, the Kansas Geological Society and Library will be in your hands if not sooner. Please get involved in the Society Organization to ensure its perpetuity.

Last Friday the annual KGS Golf Tournament was held at Hidden Lakes. Please thank Dave Barker, Jerry Mason, and Chuck Latham for their hard work in organizing this event. Of course we could not play golf on a hot summer day without the liquid refreshment that was delivered by Rebecca, Rhonda, Tammy and Janice. Thank you ladies and Doug Davis for your diligent quality control of the beer, hamburgers, and brats!

Do not forget to mark the KGS Picnic on your calendar. It will be held again in the cool evening of Friday, August 13th, at Allstar Sports on west 21st Street. Don't miss out on this fun and well attended annual event. Marj Noel is the Chairperson, so she deserves a big "Thank you"! If you would like to volunteer to help her out, please contact her at 650-3058. And when you talk to her about volunteering, congratulate her on her new baby and future lady geologist, Jillian!

Until next month, keep cool and best regards;

Rick Saenger



Recognition of KGS Members

Sal Mazzullo, Brian Wilhite and Wayne Woolsey have received the AAPG Presidential Award for their paper, published in the December 2009 issue of the AAPG Bulletin, entitled *"Petroleum Reservoirs within a Spiculite-Dominated Depositional Sequence: Cowley Formation (Mississippian: Lower Carboniferous), South-Central Kansas"*

**Below is a screen shot of the KGS website where you now access the
Robert F. Walters Digital Library
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The Kansas Geological Society and Library is located in the Landmark Square Building, just north of the corner of Market and First Street in Wichita.

[Bulletin: November - December 2009](#)

Library

The Kansas Geological Society Library has the most complete collection of oil and gas well data for the State of Kansas and surrounding areas. Donated by industry since 1923.

Robert F. Walters Digital Geological Library has 1,018,425 digital documents and logs available. [See](#) the count by county.

Walters Digital Library New Software Review

Tuesday, January 5, 2010

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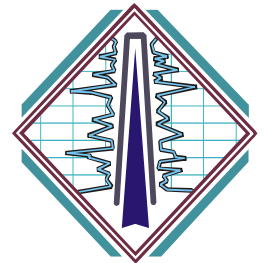
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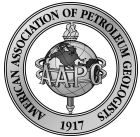
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Membership Details

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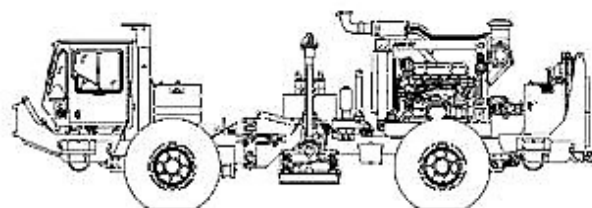
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Memorials

James (Jim) Flavius Dilts, age 60, died at his residence in Garden City, Kansas on May 14, 2010. He was the son of KGS past President Robert L. Dilts, deceased, and survived by his sister, KGS member Christine (Chris) Dilts Knighton and son Derek Dilts of Wichita. A memorial fund has been established with the Kansas Geological Foundation for scholarships for WSU Geology majors.

The Kansas geological community lost a hard working field and exploration geologist. Jim was employed by American Warrior, Inc. in Garden City and sat wells for this company and conducted extensive exploration projects using 3D seismic and detailed mapping. Jim was an extremely capable petrophysicist utilizing his extensive knowledge of the rock columns in his areas of interest and an uncanny ability with electric logs.

Jim graduated from WSU with a degree in geology. He began his career working for Charlie King at APC, later branching off on his own as a consultant. Jim, Chris and Bob Dilts had a consulting firm prior to the "bust" in 1985 that sent our industry into a horrific tailspin and saw Jim transition into computer work and geological mapping. He excelled at these. Ultimately he found employment with American Warrior. Jim was thriving in this element and very happy with all the varied work there. Many may not have known Jim's other accomplishments because he was "so quiet". Jim grew up on a farm 2 ½ miles west of Hesston, Kansas. He could do anything with machinery. He was active in Boy Scouting and attended an International Jamboree in Sweden. He worked on glacial research with the Juneau Ice Field Research Program in Alaska. He was Flotilla Commander in the US Coast Guard Auxiliary at Cheney Reservoir. And, more importantly he was a staunch friend who would help anyone in his beloved profession of geology with advice and assistance.

"We are at a loss for words at this untimely and sudden loss. This was totally unexpected. We will miss him immensely," Phil & Chris Knighton.



Jerry Pike, one of Kansas' most outstanding geologists and a pillar of the industry passed away on Saturday, May 22 at the age of 90. Jerry was a great "oil finder" and respected by his fellow geologists. He was born on a farm 10 miles west of Wichita in January of 1920. He attended schools in the area and graduated from Goddard High School in 1938. He then enrolled in Friends University with the goal in mind of becoming a CPA.

Jerry applied and was accepted for pilot training in the Air Force and received his commission and wings in 1943. While stationed at Hobbs, New Mexico he became interested in the nearby oilfields and when he was discharged in 1945 and arrived back in Wichita he enrolled in geology. With graduation in 1948, he continued his former part-time employment with Derby Oil Company as a full time employee. In 1950 he joined Pickrell Drilling and was heavily involved in the development and exploitation of Spivey Grabbs and Glick Oil Fields. After departing from Pickrell he worked as an Independent geologist and developed other successful prospects. During his career, Jerry gave back a great deal to his profession including, but not limited to: Vice-President and President of the Kansas Geological Society. He also served as a director of the Kansas Geological Foundation.

Jerry developed a tree farm near Atlanta, Kansas with over 15,000 trees. He later phased out of the "trees-for-sale" business. He is survived by his wife, Ruby Pike, children; John Pike, Jane McHugh, step-children; Kaye Martin, Elizabeth Kaelson, Francis Mayer, Carol Kaelson and Gary Kaelson, 4 grandchildren and 6 step-grandchildren. The family has designated the First Presbyterian Church of Wichita as a memorial. A memorial has also been established with the Kansas Geological Foundation.



Walter I. "Flip" Phillips, Jr. was a Valentine baby born on February 14, 1961 in Wichita, Kansas and was adopted by Innes & Patsy Phillips. He attended the University of Kansas from 1980 until he graduated in 1984 with a degree of BS in Geology. In his early years until university, he spent as much time as possible hunting and fishing. On October 3, 1987 he married Joni McClendon and adopted her son Jarrod. On August 5, 1988 they had a daughter Jessica.



Upon his graduation from college, Flip started his oil field training under the supervision of Bo Darrah. Flip learned many production and exploration lessons under Bo's loose supervision, learning to use his own wits to solve problems. Flip also did geology, wellsite work and mapping in the many areas that Bo worked, ie Colorado, Kansas, Wyoming, Montana, and North Dakota. Flip soon realized that he loved Kansas and Eastern Colorado work, but that the cold north was too far away. From 1985 on he became a Kansas explorer, including buying others existing production to develop. His many field contacts allowed him to have an exceptional talent to purchase production economically and to develop its potential. From 1988 until his death on May 28, 2010, he was the Exploration Manager and Production Supervisor for Pintail Petroleum, Ltd. Flip's excellent track record allowed him to sell his many 3-D seismic ideas to management and partners. Their success enhanced both Pintail's and Flip's reputation as Explorers.

On February 21, 2009, Flip married his long time friend and soul-mate, Lana Hanzlick, in the Bahamas surrounded by their many friends and family. The two of them loved to watch wells together while staying at their lake house at Cedar Bluff. They also loved to hunt all kinds of game together. They had planned a number of hunts for the fall of 2009, which they were able to enjoy prior to his feeling too ill to continue. Flip and Lana also started building a house at The Moorings at Crystal Lake which was their dream home. They finished that home in time for them to live there together for his last few months. Flip's passions were his family, his geology, and his hunting. He is survived by his wife Lana, children Jarrod & Jessica Phillips of Derby, step-children Chelsea and Courtney Hanzlick of Wichita and Justin Hanzlick of Augusta, grandson Kamren Loch of Wichita, sister Julie of Kansas City, and father Innes Phillips. Memorials include the American Cancer Society, Ducks Unlimited, and the Rocky Mountain Elk Foundation.

Burt Schmidt a retired Petroleum Geologist, passed away Monday, May 17, 2010 at the age of 76. Burt was born in Freeman, South Dakota in 1934, but was raised in Newton, Kansas where he graduated from high school. He attended Kansas State University and played on the football team in 1953-55. He graduated in 1956. After graduation he worked for a period for Louis Kahn, but most of his geological career was spent working as a consultant. He married Judy Dockum and they had been married 46 years at the time of his passing.

As a result of his being a former player he was an avid fan of K-State Football and also he greatly enjoyed golf. Besides his wife, Burt is survived by a son; Robert Schmidt, and daughter; Tracy Harrelson, three grandchildren, and 2 great grandchildren. Burt was a member of Holy Cross Lutheran Church for over 50 years. A memorial service was held on Saturday May 22, 2010 at Lakeview Funeral Home Chapel. The family has designated the Kansas Humane Society, 3313 N. Hillside, Wichita, KS 67219 as a memorial.

Kansas Geological Foundation's Accelerated Integration Project

The Foundation's Accelerated Integration Project is well underway. Being headed up by Ted Jochems, we have enlisted the help of Gracie Crisler, Nolan Mans, Seun Olaosebikan & Patrick Wilson. This team has already processed over 3 tons of trash in the way of duplicate documents, miscellaneous paper, and empty boxes. They are busy integrating logs and geology reports and other pertinent data into what is referred to as the "married set" which puts it into Section, Township, Range for further comparison against the library's files upstairs. This set will be accessible to the membership for research. They are processing tens of thousands of such documents. Below are some before and "where we are today" photos. I will keep updating this information for the members to see what is getting accomplished.

This project is still in need of funding. We had some very generous donations come in at the beginning but this will be an ongoing project and we would like to keep at least one student employed during the school term so if you are inclined to do so, please consider donating \$\$ to this project. **Remember, anything you donate is tax deductible.**

BEFORE



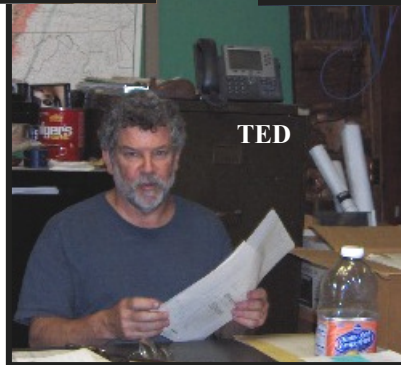
PROGRESS AS OF 6/30/2010



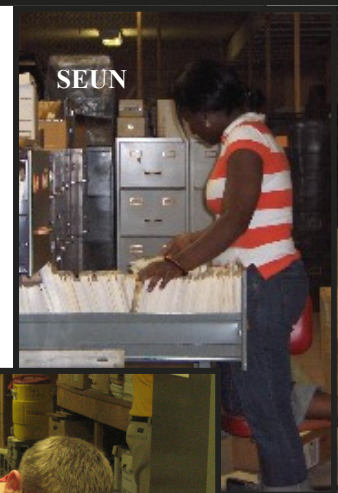
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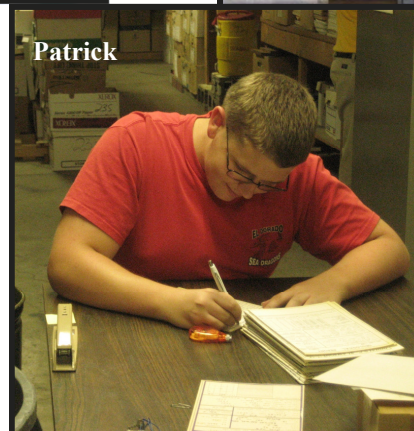
SEUN



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Kansas Geological Society Board Minutes

Note: Official minutes of KGS Board meetings are available at the KGS Library.

May 13, 2010 Mr. Rick Saenger called the meeting to order at 11:40 A.M.

FINANCIAL REPORT/MANAGERS REPORT

- A. **Treasurer's Report**- Mrs. Radford gave the Treasurer's report in the absence of Mr. Clothier. The report showed total interest on investments for the period of \$1,013.26 with a total of all accounts, including two bank accounts, at \$560,193.84. There was not a quorum present so motion to approve the report was postponed until the June board meeting.
- B. **Manager's Report**- Mrs. Radford presented the Manager's Report as of April 30, 2010. Monthly income was \$33,346.40 with expenses of \$46,717.06. The Walters Digital library income was \$12,442.50 with expenses of \$21,490.33. The bulk of the expense on the Digital Library was a payment made to the Kansas Geological Survey for programming of \$20,114.50. The Society has 685 members with 180 paper library members. The Digital library has a total of 177 members.

OLD BUSINESS

- A. **Membership Survey**- Survey has been distributed and so far has seen a good response.
- B. **Employee Review Process**- Will focus on employee reviews after the membership surveys are finished
- C. **Geo-Tech Membership Category**- This topic will be tabled until October and then will be included on the ballots for the next election.

NEW BUSINESS

- A. **Oklahoma City Geological Society Library- Reciprocation request.** Mr. Callen noted that due to a purely financial reason, we cannot afford to lose the \$17,000/year or the membership at this time.
- B. **KGS Server**
- NetSystems does not have email service, so the choice is between Microsoft Exchange and Constant Contact.
 - How will we be able to exchange large files, such as extensively long logs?
 - FTP server?
 - Currently, the server (new) will not handle the load.
 - Could have designated station (work station) to help with these files instead of using server
 - Could we have Eileen write the program?
 - Mr. Callen suggests possibly making the FTP part of WDL instead of paper library.
- C. **LAS Files**
- It has been brought up by multiple members to look into LAS files. Right now, we need to check with Eileen to see what the demand is for these specific files through the Survey to see if it would be worth pursuing.

ADJOURNMENT- Meeting adjourned at 1:15 pm.

June 8, 2010 Mr. Rick Saenger called the meeting to order at 11:40 A.M.

FINANCIAL REPORT/MANAGERS REPORT

- A. **Treasurer's Report**- Dave Clothier presented the Treasurer's Report and noted that the formula for totaling the interest accrued for the month and for the year was incorrect. The interest for the month of May should have totaled \$665.68. The year to date interest for 2010 should have totaled \$2,644.82. The problem with the formula for totaling interest did not affect total values of the CD and bank balances. It was noted that a CD at Kanza State Bank matures on June 23rd. *Upon a motion by Dave Clothier, seconded by Doug Davis, the treasurer was directed to renew the CD with a local financial institution at the best possible interest rate in a term not to exceed 18 months.*
- B. **Manager's Report**- Rebecca reported that the Kansas Geological Society and Library showed net operating loss of \$1,280.06 for the month of May. The library also paid for new computer hardware, software and training to replace the failing server system, in the amount of \$10,119.95. The WDL report indicated 177 members as of May 5th and a net income of \$9,214.96 for May. Rebecca reported that she had received a check from our attorneys in the amount of \$1,601.26 to close out the trust account. This should formally close out the legal action related to prior reprogramming efforts of the WDL.

Rick handed out a listing of the net income reported on the Manager's report beginning with January 1, 2007, which is actually a report of cash flow rather than income. The listing showed a disturbing trend of negative monthly income beginning with September, 2007. He explained that he had made to effort to analyze the reports to separate out operating versus non-operating charges that might affect the trends. Considerable discussion followed with recognition that this will require further analysis.

OLD BUSINESS

- A. **Membership Surveys**- Rebecca reported that they have received a good number of survey of membership demographics and that it is probably time to begin tabulating the results. It was noted that this information will be helpful in further analyzing Library cash flow trends. Rick agreed to move the process along.
- B. **Employee Performance Review**-Rick stated that he was continuing to work on the process with a goal to have this project completed by October.

NEW BUSINESS

Rick reported that he has received several complaints about the images in the preview mode from a few users. It was noted that the Survey is in the process of reprocessing the images to improve this, but the number of images means this will take some time to accomplish. Rebecca also noted that she has responded to viewer complaints, but that with the new software, we can now respond and correct errors that are brought to our attention, the first time we have a process to make corrections. She mentioned that she has found that all of the scout cards in Pratt County have been incorrectly linked to the well records. She has been personally correcting the links and has completed about 4 townships to date. The problem appears to be related to problems with the original scans and links from the initial creation of the WDL.

ADJOURNMENT- Meeting was adjourned at 12:45 PM.

Respectfully submitted,
Marjorie Noel, Secretary and Jon M. Callen, For the Secretary

KGS Golf Tournament was held again this year at Hidden Lakes Golf Course in Derby.

**Food was provided by Pat Kane of Tucker Wireline Services and
Kolby Nye of Jayhawk Oilfield Supply.**

**Thanks to these two guys for cooking up some excellent grub which was served at the turn.
Some folks got longer brats than others.....ask Don Beauchamp**





Geo-Scenes

Accreted (Exotic) Terranes

Being in Kansas we are accustomed to thinking about sediment deposition and stratigraphic development during the Phanerozoic (= Paleozoic, Mesozoic and Cenozoic) as having occurred in tectonically quiet settings. For the most part, the lithostratigraphy of Phanerozoic rocks in Kansas reflects mainly slow subsidence or mild uplift, and slight to considerable sea-level fluctuations; and the geological history of the state was interrupted only briefly at times by somewhat more pronounced tectonism along the Nemaha Uplift, Central Kansas Uplift, and the Pratt Anticline. As a result, the rocks in the state are in “normal” stratigraphic context (that is, oldest to youngest in ascending order), and normal provincial context – that is, the siliciclastics (conglomerates, sandstones, siltstones, and shales) were derived from erosion of local highlands, and the carbonates represent in-situ deposition in shallow-marine seas that periodically covered the state. In other words, on the gross scale all of the Phanerozoic sedimentary rocks in Kansas were “born” here.

Figure 1 is a photo looking south along the Oregon coastline. Here, the Pacific plate is being subducted (to the east) beneath the North American plate. In contrast to Kansas, the rugged hills along this coastline comprise both ocean-floor sediments (mainly deep-sea turbidites of interbedded sandstone and shale) and large and small islands mainly of basaltic composition that were scraped off the eastward subducting plate and accreted onto the leading edge of the North American plate. Such rocks, particularly the basaltic islands, represent “exotic terranes” that formed somewhere other than on the North American continent. It took many years for geologists to recognize the existence of such exotic terranes and to unravel their complex geologic history. Here in Kansas we have it considerably easier. The only time that Kansas may have been involved in such exotic terrane accretion was during the early to middle Precambrian, when the North American craton was being assembled.

Unconformity Beneath Marine Sands

Unconformities are common components of the stratigraphic record. Petroleum geologists in Kansas, for example, are keenly aware of the significance of unconformities not only in regard to their formation and temporal significance, but also to their relevance to petroleum exploration. Figure 2 is a view of the Oregon coastline that shows seaward-dipping, erosionally-truncated Tertiary rocks that are in the process of being buried beneath modern beach sands – a modern example of the formation of subunconformity truncation traps that commonly are associated with subsurface accumulations of oil and gas in the Paleozoic rocks of Kansas.

Submitted by Sal Mazzullo

Geo-Scenes (continued)

Figure 1. – View of the Oregon coastline looking toward the south. Basaltic islands and accreted deep-sea turbidites are indicated. Photo by Sal Mazzullo.

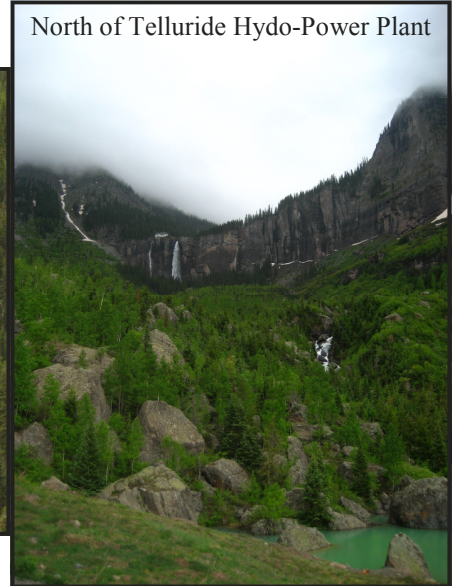
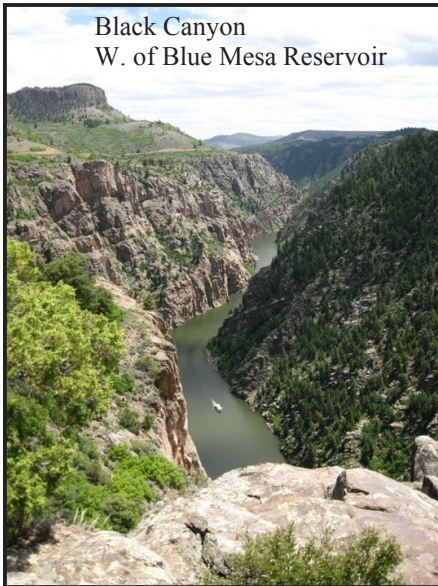


Figure 2. – Seaward-dipping, erosionally-truncated Tertiary rocks (arrow) being buried unconformably beneath modern beach sands along the Oregon coast. Photo by Sal Mazzullo.

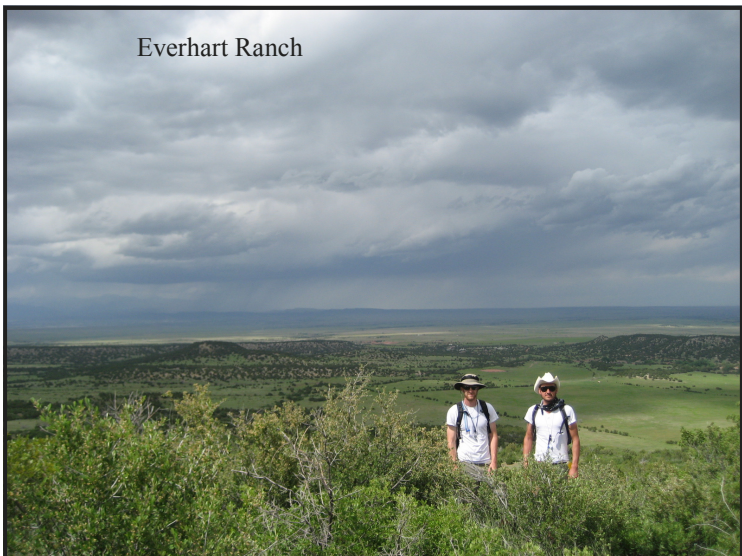


Wichita State Field Camp 2010

The Society has two WSU geology students working at the library, Kyle Day and Tom Dudgeon. Both attended WSU Field Camp this spring and below are some photos Kyle shared with us.



The students investigated sedimentary, igneous, and metamorphic sequences from the eastern flank of the Wet Mountains and the western San Juans to collapse structures of the Paradox Basin; all whilst camping and enjoying the infamous talents of Dr. Gries around the camp fire.



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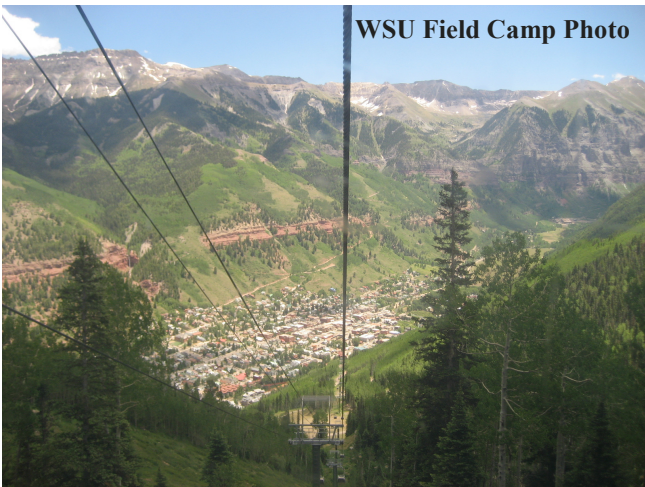
Larry's Cell Phone: 918-440-9638

Jeff's Cell Phone: 918-440-9647

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WSU Field Camp Photo



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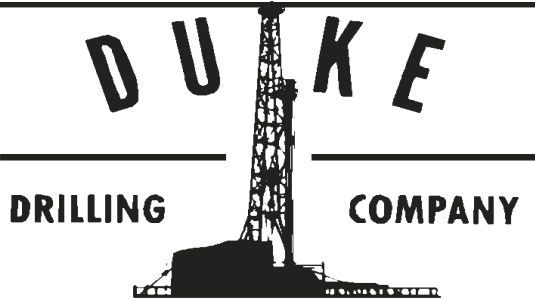
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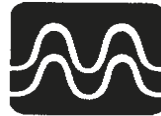
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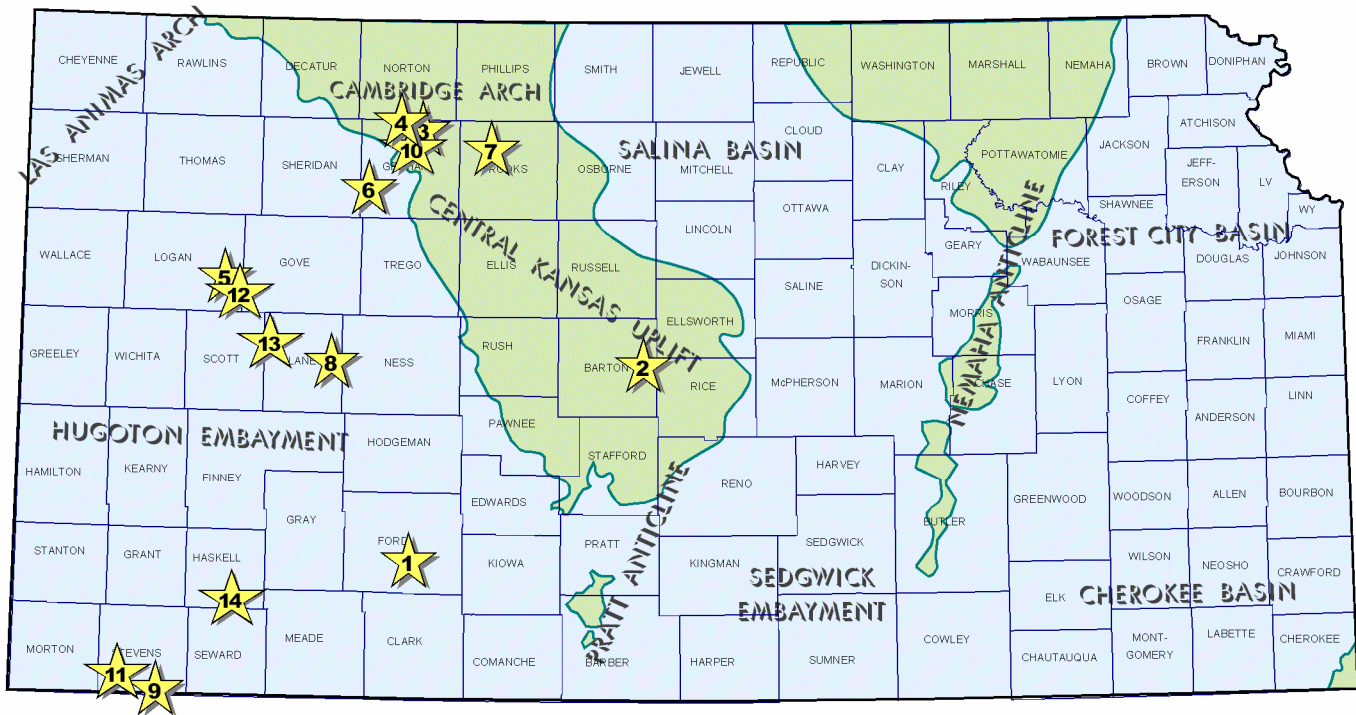
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(1) Vincent Oil Corp. has discovered Pennsylvanian and Mississippian oil and gas reserves at the McCarty No. 1-26, located in the SW/4 of section 26- T28s- R23W, in Ford county. The new Sodville North field lies over one mile east of the Mulberry Creek field where the Marmaton, Morrow and Mississippian zones all produce. The well was drilled to a total depth of 5440 ft. about four and one-half miles southwest of Ford, Kansas. No production details have been released.

(2) Samuel Gary Jr and Associates has opened the new Long Bow oil field in Barton county with the completion of the Stueder No. 1-5, SE/4 of section 5- T18s- R11W. The wildcat well was drilled to a total depth of 3470 ft. Well is on pump at an undisclosed rate with pay coming from Lansing-Kansas city perforations. Site is located three-quarters mile northwest of the Ames Northwest field (LKC and Arbuckle oil), about one mile southwest of Claflin, Kansas.

(3) H & C Oil Operating has opened two new oil fields in Graham county. First, the Ringneck No. 21-1 was drilled in the SW/4 of section 21- T6s- R23W to a total depth of around 3950 ft. The wildcat well is producing an undetermined amount of crude from the Lansing-Kansas City limestones. Discovery site lies over three-quarters mile southwest of known production in the Hansen field and is about ten miles northwest of Hill City, Kansas.

(4) In the SW/4 of section 6- T6s- R23W, H & C's No. 6-1 Wyrill is on pump for an undisclosed rate with production coming from the Lansing-Kansas City formation. The well was bottomed at around 3950 ft at location nearly four miles southeast of Lenora, Kansas. Site lies almost two miles northwest of closest nearby production in the Norham South field. The new oil fields remain unnamed at this time.

(5) Landmark Resources, Inc. established the new Burris Draw field in southeastern Logan county in February, 2010. New information released corrects the pay zone from Morrow to Marmaton. The discovery well, No. 1-31 Ottley, SE/4 of section 31- T14s- R32W, was completed for 47 barrels of oil and 25 barrels of water per day. Though operator also tested shows in the Morrow, Cherokee and Pawnee zones, production was settled from the Altamont member of the Marmaton formation, perforated with four holes per foot from 4237 to 4243 ft. Log top of the Altamont was called at 4175 (-1347 KB) by geologist Terry L. McLeod. Rotary total depth is 4510 ft. Field area is located about sixteen miles southeast of Russell Springs, Kansas.

(6) H & M Petroleum Corp. is pumping 83 barrels of oil and 10 barrels of water per day at the Oil Creek No. 1, a new pool discovery located three miles southwest of Morland, Kansas in Graham county. Operator used WW Drilling LLC tools to drill the well to a total depth of 4068 ft in the NE/4 of section 3- T9s- R25W. The Lansing-Kansas City 'D' zone was perforated and acidized from 3837 to 3839 ft. First production commenced on March 4, 2010. Crude gravity is 31.5 degrees. Discovery site lies over one mile southeast of LKC production in the Knoll Northeast field. The new field has been named Shiloh West.

(7) McCoy Petroleum Corp. has a new oil discovery in Rooks county with the completion of the No. 1-3 Bellerive A, spotted in the SW/4 of section 3- T7s- R19W. The Riseley infield wildcat found the Lansing-Kansas City 'A', 'I', 'J' and 'K' limestones to be productive at an undisclosed potential. Sterling Drilling Company tools bottomed the well at a total depth of 3480 ft. Field area is located three-quarters mile east of multipay production in the Locust Grove field, about eight miles northwest of Stockton, Kansas.

(8) Raymond Oil Company, Inc. is producing an unknown amount of crude oil from the Cherokee Sandstone formation at the Habiger Living Trust No. 1, located in the NE/4 of section 28- T18s- R27W. The wildcat well was drilled less than one-quarter mile north of the town of Alamota, Kansas in Lane county. Rotary total depth is 4661 ft. L. D. Drilling served as contractor. Closest established production lies nearly three-quarters mile to the northeast of well site in the Alamota field (Cherokee and Mississippian oil). The new field was named Alamota Townsite..

(9) Presco Western, LLC has established Mississippian oil and gas production over one mile west of Morrow and Mississippian wells in the Gooch field in Stevens county. The No. 4-B (12-35-36) Wiggains, NE/4 of section 12- T35s- R36W, is producing pay from the Chester formation. Production volume is unknown. Operator drilled the well to a total depth of 6700 ft. The Gooch field extension (infield discovery) is situated slightly over thirteen miles west of Liberal, Kansas.

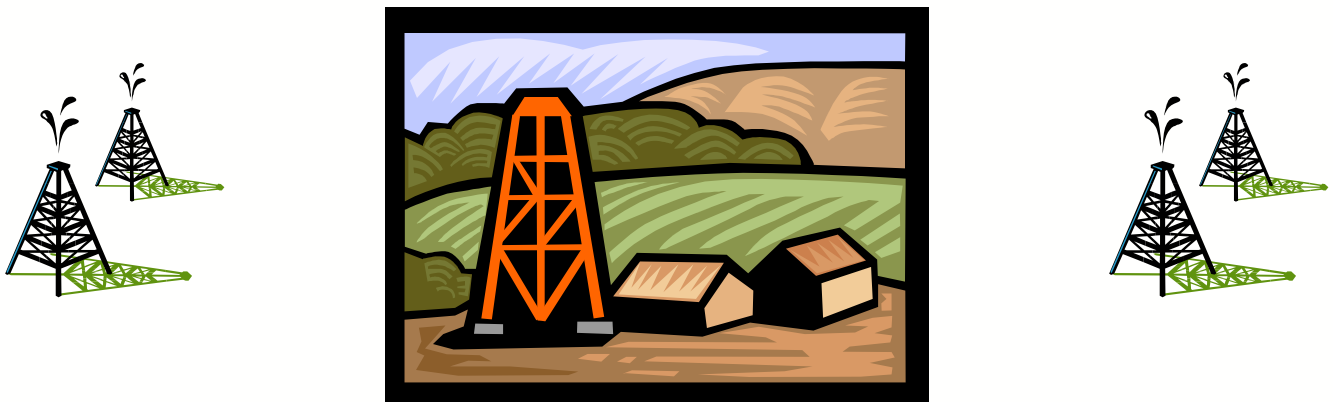
(10) H & C Oil Operating, Inc. has completed their Campbell No. 18-1 for an undisclosed potential in Graham county. The new Uplands pool discovery is producing crude from the Lansing-Kansas City zones with total depth stopped at 3905 ft. American Eagle Drilling tools were used. Well site is located in the SE/4 of section 18- T6s- R23W, about six miles southeast of Lenora, Kansas, and is over two and one half miles northeast of the Hoosier field (LKC oil).

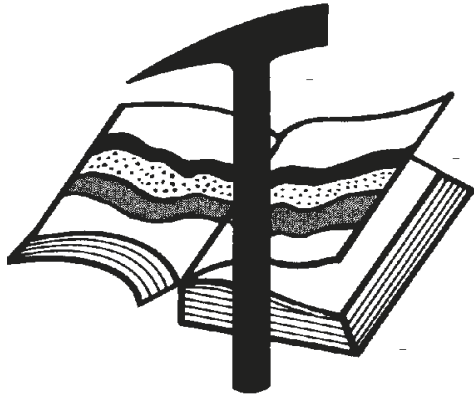
(11) EOG Resources, Inc. is producing an undisclosed amount of crude oil at the Kramer No. 1-1, drilled in the SW/4 of section 1 - T34s- R38W, in Stevens county. The Kramer discovery found significant oil deposits over one and one quarter miles northeast of the Verna field (Morrow gas and Mississippian oil), also discovered by EOG in 2006. Total depth was reached at 6700 ft. Producing zone has not been reported. The new Verna Northesat field is located almost five miles southwest of Hugoton, Kansas.

(12) Lario Oil & Gas Company has discovered Lansing-Kansas City and Cherokee oil deposits in Logan County with the successful completion of their No. 1-36 Krebs Credit Shelter. The wildcat well was placed on pump in mid March for an undisclosed potential. Well site lies in the NE/4 of section 36- T14s- R32W, about twenty miles southeast of Russell Springs, Kansas. Total depth stopped at 4414 ft. Closest known production is located over two miles to the east in Gove County. The new field has not been named.

(13) Larson Operating Company is producing an unknown amount of crude oil at the Cramer No. 1-22, spotted in the SW/4 of section 22- T17s- R30W, in Lane County. The Magie Southeast pool opener found new oil reserves nearly one and one-quarter miles northeast of Lansing-Kansas City and Marmaton pay in the Dowd Field which was established by Ritchie Exploration in 2007. H. D. Drilling tools bottomed the well at a total depth of 4620 ft. Production zone and well potential is not available. Field area is located about two and one-half miles southwest of the town of Healy, Kansas.

(14) H J, Inc. has a multiple zone oil discovery in Haskell County at the No. 1 Leonard 1-30, located in the SE/4 of section 30-T30s -R32W. The well establishes the new Arapahoe Field less than one mile north of producing wells in the older Victory East Field. Trinidad Drilling tools drilled the well to a total depth of 5800 ft. Operator had eight zones testing shows of hydrocarbons. The well was completed in the Lansing-Kansas City and Marmaton zones. Production depth and potential is confidential. The new field is located nearly five miles southwest of Sublette, Kansas.





Kansas Geological Foundation

Web Site: www.kgfoundation.org

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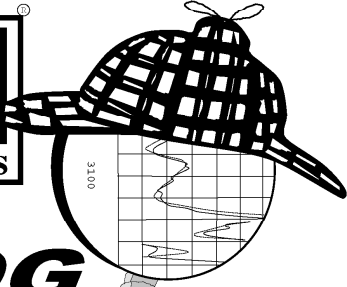
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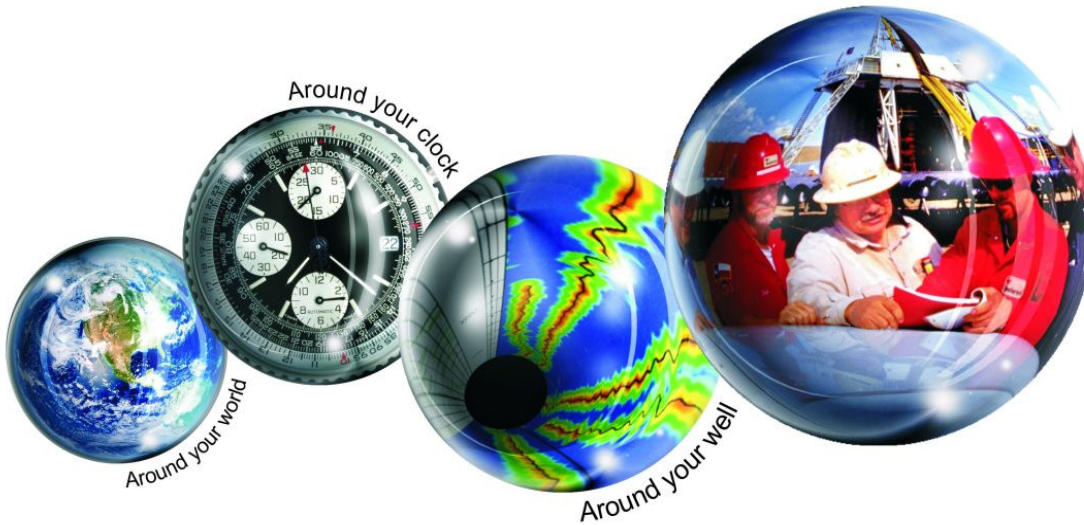
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**CANADIAN
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Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established	KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990	Floyd W. "Bud" Mallonee	10/00	2000
John Brewer	10/89	1990	Ralph W. Ruuwe	09/00	2000
George Bruce	08/89	1990	Robert L. Slamal	02/01	2001
Robert Gebhart	01/90	1990	Jerold E. Jespersen	06/01	2001
Ray Anderson, Jr.	11/90	1990	William A. Sladek	06/01	2001
Harold McNeil	03/91	1991	Harlan B. Dixon	06/01	2001
Millard W. Smith	08/91	1991	Edward B. Donnelly	08/01	2001
Clinton Engstrand	09/91	1991	Richard P. Nixon	02/02	2002
M.F. "Ted" Bear	10/91	1991	Robert W. Frensley	12/01	2002
James & Kathryn Gould	11/91	1991	Gerald W. Zorger	01/02	2002
E. Gail Carpenter	06/91	1993	Don L. Calvin	03/02	2002
Benton Brooks	09/92	1992	Claud Sheats	02/02	2002
Robert C. Armstrong	01/93	1993	Merle Britting	2002	2002
Nancy Lorenz	02/93	1993	Harold Trapp	11/02	2002
Norman R. Stewart	07/93	1993	Donald M. Brown	11/02	2003
Robert W. Watchous	12/93	1993	Elwyn Nagel	03/03	2003
J. George Klein	07/94	1994	Robert Noll	09/03	2003
Harold C.J. Terhune	01/95	1995	Benny Singleton	09/03	2003
Carl Todd	01/95	1995	Jay Dirks	2003	2003
Don R. Pate	03/95	1995	J. Mark Richardson	02/04	2004
R. James Gear	05/95	1995	John "Jack" Barwick	02/01	2004
Vernon Hess	06/95	1995	Richard Roby	03/04	2004
E. K. Edmiston	06/95	1995	Ruth Bell Steinberg	2004	2004
Jack Rine	07/95	1995	Gordon Keen	03/04	2004
Lee Cornell	08/95	1995	Lloyd Tarrant	05/04	2004
John Graves	10/95	1995	Robert J. "Rob" Dietterich	08/96	2004
Wilson Rains	10/95	1995	Mervyn Mace	12/04	2004
Heber Beardmore, Jr.	09/96	1996	Donald Hoy Smith	04/05	2005
Elmer "Lucky" Opfer	12/96	1996	Richard M. Foley	06/05	2005
Raymond M. Goodin	01/97	1997	Wayne Brinegar	06/05	2005
Donald F. Moore	10/92	1997	Jack Heathman	05/06	2006
Gerald J. Kathol	03/97	1997	Charles Kaiser	09/06	2006
James D. Davies	08/88	1997	Rod Sweetman	08/06	2006
R. Kenneth Smith	04/97	1997	Karl Becker	10/06	2006
Robert L. Dilts	05/97	1997	Frank Hamlin	10/06	2006
Delmer L. Powers	06/72	1997	Marvin Douglas	12/06	2006
Gene Falkowski	11/97	1997	Robert W. Hammond	04/07	2007
Arthur (Bill) Jacques	01/98	1998	Eldon Frazey	04/07	2007
Bus Woods	01/98	1998	Pete Amstutz	05/07	2007
Frank M. Brooks	03/98	1998	Charles Spradlin	05/07	2007
Robert F. Walters	04/98	1998	Donald R. "Bob" Douglass	09/07	2007
Stephen Powell	04/98	1998	Vincent Hiebsch	11/07	2007
Deane Jirrels	05/98	1998	Glen C. Thrasher	03/08	2008
William G. Iversen	07/98	1998	Peg Walters	06/08	2008
Ann E. Watchous	08/98	1998	Theodore "Ted" Sandberg	07/08	2008
W.R. "Bill" Murfin	09/98	1998	James Ralstin	11/08	2008
Donald L. Hellar	11/98	1998	Earl Brandt	04/09	2009
Joseph E. Rakaskas	01/99	1999	Walter DeLozier	05/09	2009
Charles W. Steincamp	02/99	1999	John Stone	02/10	2010
Robert and Betty Glover	10/96	1998	Craig Caulk	03/10	2010
Howard E. Schwerdtfeger	11/98	1999	Joseph E. Moreland, Jr.	03/10	2010
W. W. "Brick" Wakefield	03/99	1999	Gene Garmon	03/10	2010
V. Richard Hoover	01/00	2000	James F. Dilts	5/10	2010
Warren E. Tomlinson	01/00	2000	Jerry Pike	5/10	2010
James A. Morris	01/00	2000	Donald Hollar	6/10	2010
Eric H. Jager	03/00	2000			
Kenneth W. Johnson	03/00	2000			
Dean C. Schaake	03/00	2000			
Fred S. Lillibridge	05/00	2000			
Jerry A. Langrehr	07/00	2000			
Clark A. Roach	07/00	2000			



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KGS BULLETIN
 July—August 2010

July 2010

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August 2010

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