



# KANSAS GEOLOGICAL SOCIETY BULLETIN

Volume 78 Number 5

September-October 2003

## IN THIS ISSUE...

**21 Picnic Photos**

**22 Profile: Robert Euwer**

**26 Memorial: Robert Wasson**

## THIS MONTH AT THE KGS

September 18 Paul Ramondetta, Vess Oil

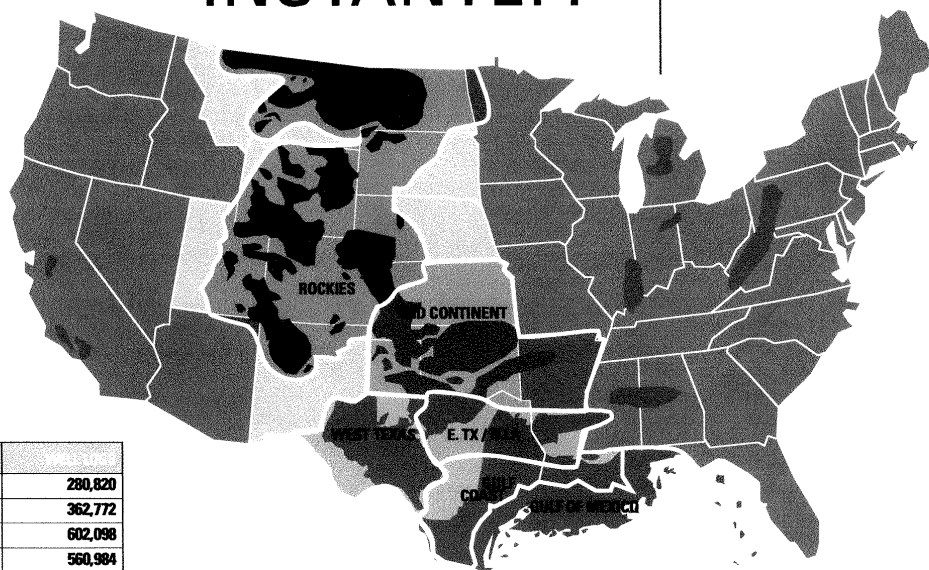
September 25 R.F. Diffendal, Jr., Nebraska

## NEXT MONTH AT THE KGS

October 7 KGS Shooting Tournament

October 16 Duff Kerr, Denver

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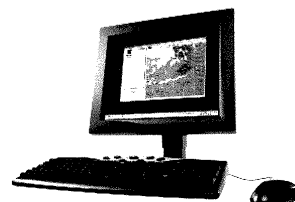
	WELL LOGS
ROCKIES	280,820
MID CONTINENT	362,772
WEST TEXAS	602,098
E. TX / N. LA.	560,984
GULF COAST	725,108
GOM	112,756
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# KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 78 Number 5

September-October 2003

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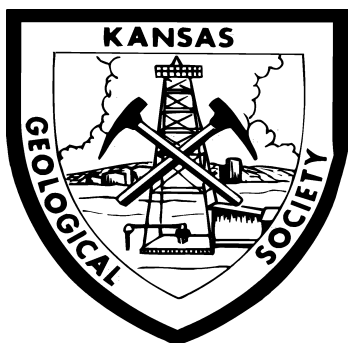
## ON THE COVER

This issue contains a Profile on Bob Euwer on page 22. There is also a Memorial on WSU student geologist Bob Wasson on page 26.

Pages 20 and 21 have photos from this year's KGS annual picnic.

Enclosed flyer on Walters Digital Library start-up date.

The KGS *Bulletin* is published bi-monthly by the Kansas Geological Society, with offices at 212 North Market, Wichita, Kansas 67202 Copyright ©1993, The Kansas Geological Society. The purpose of the *Bulletin* is to keep members informed of the activities of the Society and to encourage the exchange and dissemination of technical information related to the Geological profession. Subscription to the *Bulletin* is by membership in the Kansas Geological Society. Limited permission is hereby given by the KGS to photocopy any material appearing in the *KGS BULLETIN* for the non-commercial purpose of scientific or educational advancement. The KGS, a scientific society, neither adopts nor supports positions of advocacy, we provide this and other forums for the presentation of diverse opinions and positions. Opinions presented in these publications do not reflect official positions of the Society.



# KANSAS GEOLOGICAL SOCIETY

Established 1925

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## EDITOR

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editor

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KGS Library 265-8676

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## Preliminary Schedule of Programs for the Fall of 2003

September 18	Paul Ramondetta, Vess Oil, “ <i>El Dorado Field</i> ”
September 25	Bob Diffendal, Nebraska Geological Survey, “ <i>Geology of the Lewis and Clark Expedition</i> ” (see abstract on page 16)
October 16	Duff Kerr, Denver—Title to be announced
October 23	To be announced
October 30	Alan Chamberlain, Las Vegas, NV— “ <i>Elephant Hunting in Nevada</i> ”
November 6	Rick Chimbola, ARAMCO, “ <i>Arabian Oil Fields</i> ”
November 13	Jim Bruggeman—Title to be announced
November 20	Marty DuBois, Kansas Geological Survey, TBA
December 4	Rick Andrews, Oklahoma Geological Survey, TBA
December 11	Larry Lunardi, Oklahoma City— “ <i>3D &amp; 4D + Rigs: Keys to Unlocking Anadarko Deep Basin Reserves</i> ”
December 18	Dr. Steve Sonnenberg, President of AAPG, Denver—TBA

All technical meetings are held at 12:30 p.m. in the Bank of America Auditorium 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.

### **D E S P E R A T L Y   S E E K   I N   G   E M A I L   A D D R E S S E S !**

If you have an email, please send it to Rebecca (manager@kgslibrary.com)

It would save MUCH time if we could email out the notices on the upcoming Tech Talks rather than having to make the phone calls for reminders.

We also think it would be less intrusive on your time if you received an email notification rather than the phone call or phone message.

Thanks for your cooperation!

---

## EDITOR'S PAGE

---

Dear KGS members and friends,

It has been a busy working summer for yours truly. I am always so grateful to have work, but as one grows older, little things seem so much more important. My regret from this busy time is that I have not had the time to relax or take a much overdue visit to my uncle in Nebraska. I have so little family left from my parents generation that I need to try to see them when possible. I am hoping that late September may prove to be my opportunity to go north.

I have often tried to explain to Betty that a "vacation" is not the same as a "trip." It seems, painfully, that most of my "vacations" from the last many years, were in effect only "trips." Vacations to me involve no schedule, no plans and no family except the immediate one.

I catch a lot of grief over my mention of any past trips or future travel plans that Betty and I have. I love catching grief. We have been coerced into plans for travel to Hawaii over Christmas and Years. My son, Nathan, has a January 1st birthday. His in-laws suggested that we should be in Hawaii for his birthday as well as the huge New Year's celebrations that the islands put on. The plans have been made with our departure on Christmas Day and return on New Year's night. I hope most of this trip will also be a vacation.

I had hoped to have a photo-op from the get together of the responders to my offer of free drinks on Wes from the July/August *Bulletin*, but I have not been able to get together with the winners. Many of you may ask, "What free drinks!" Well, I had threatened to see who **Really** reads the *Bulletin* for quite some time. I had told several people that one of these days I will offer to buy the beer or beverage of one's choice if readers would see the offer. After much thought, I finally followed through with that threat in the July/August issue. Buried in fine print in the Geologist's Wives section, I made such an offer. There were two respondents: Ted Jochems (who regularly reads the

fine print on condiment bottles) and Brian Wilhite (who got a veiled "heads up" from my assistant, Kimberly Dimmick-Wells). I will fulfill my offer when we three can get together at the same time. Dang! Those two can really put them away when the price is right! Photos will be taken for the archives.

For the rest of you miscreants, I will at a future time, and not too distant future time, make the same offer. My fear is that I will have to be so much more subtle. For those of you who read the on-line version, my last offer was quite easy to see. Of course I will have to contact Lloyd's of London for insurance for my next venture.

It's Thursday night at the KGS as I write these words. The same group is here working or volunteering their time. The volunteers are Sal and Chellie Mazzullo, Ted Jochems, and the WSU geology student entourage. As Pink Floyd's Gilmour said of Roger Waters, "Wish you were here."

Bye for now,

Wes

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## PRESIDENT'S LETTER

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Dear Members,

Labor day weekend is upon us and hopefully a little cooler weather! We as a society have had a couple of events that enabled us to socialize and discuss business since our last bulletin. The annual picnic was held August 1<sup>st</sup> at All Star Sports Complex and was well attended by members. We also convened at the Annual KIOGA convention at the Airport Hilton August 17-20. This event was attended by over 600 industry professionals where there were numerous discussions concerning technology, exploration, and politics. It is always interesting to hear different perspectives about where the oil industry is headed especially from venders and exploration companies working different basins around the mid-continent. The general theme I gathered from my discussions is that everyone is excited about the state of the business presently and most have optimistic views about the business staying strong for some time in the future.

The Society will have one more social gathering this fall at Lynbrooke Sporting Clays facility. Larry Richardson has done a great job of putting this event on in the past and I am sure this year will be better than ever.

Bob Cowdery has scheduled eleven dates for the fall session of technical talks. There a few

dates he does not have filled at this time so if anyone has a topic of interest they would like to present, I am sure Bob would love to hear from you. Our first technical talk is scheduled for September 18. One of our local geologists, Paul Ramondetta, will explain development of the El Dorado Field in Butler County.

Things have been busy at the KGS Library this summer. As many of you know the Library has extended its hours on Thursday nights until 9:00 PM. Those of you coming from out of town can take advantage of this time to get that extra township of logs picked and spotted on your maps. There have been many volunteer hours worked during this time also. You may notice the file cabinets are not as full as they were at the beginning of the summer. A volunteer force expanded the existing log files into an additional 24 file cabinets. This was no small undertaking and my thanks goes to all those volunteers who physically moved all the logs and distributed them evenly throughout the file cabinets. We have several projects coming up which will depend on a volunteer force to accomplish, so if you have some time to spare on a Thursday evening or any other time, let Rebecca know, I am sure she can find a project that will fit your expertise.

Best Regards,

Timothy G. Pierce

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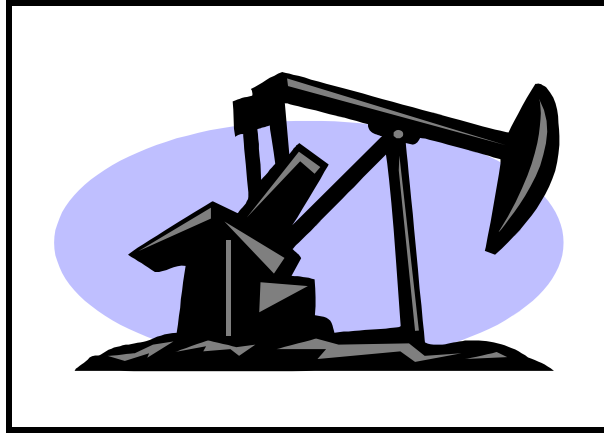
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## NEWS FROM UNIVERSITY GEOLOGY DEPARTMENTS

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### ATTENTION!!!

#### WSU GeoAdvisory Association Scholarship Luncheon

September 17, 2003

Petroleum Club, Bank of America Building,

11:30 AM

Tickets are \$15.00 and will be available from GeoAdvisory Board Members OR reservation can be made by calling Kevin Smith at the Wichita State University Geology Department 978-3140

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Kneuhau@fhsu.edu  
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If you have any news about your alma mater, please share that with the rest of us.

Let's encourage a new generation of geologists by showing interest in what the various Geology Departments are doing.

How many geology students are there in the state of Kansas?

What are their areas of interest?

If any of the department chairs are reading this, please know that you have a forum with the KGS Bulletin to share news about your departments.

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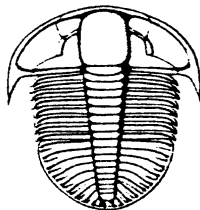
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***Bulletin* committee members and PhD's in Paleontology are prohibited from entering.**



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<u>Field Trip</u>	Larry Skelton
<u>Fishing Tournament</u>	Randy Teter
<u>Future Plans</u>	Dallas Donner
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A simple way to help your Society save money would be to let us know if you like viewing the Bulletin on line. This would allow us to reduce our mailing & printing costs of sending the Bulletin to every member.

## GEOLOGIST'S WIVES

### OFFICERS

President—Kate Donnelly  
Vice-president—Peg Walters  
Secretary—Sue Cowdery  
Treasurer—Barbara Thompson  
Historian—Dianne DeGood

### SEPTEMBER MEETING

September 19, 2003

**Wichita Country Club**

Lunch at 11:30 AM

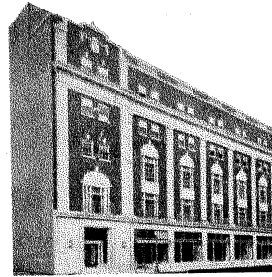
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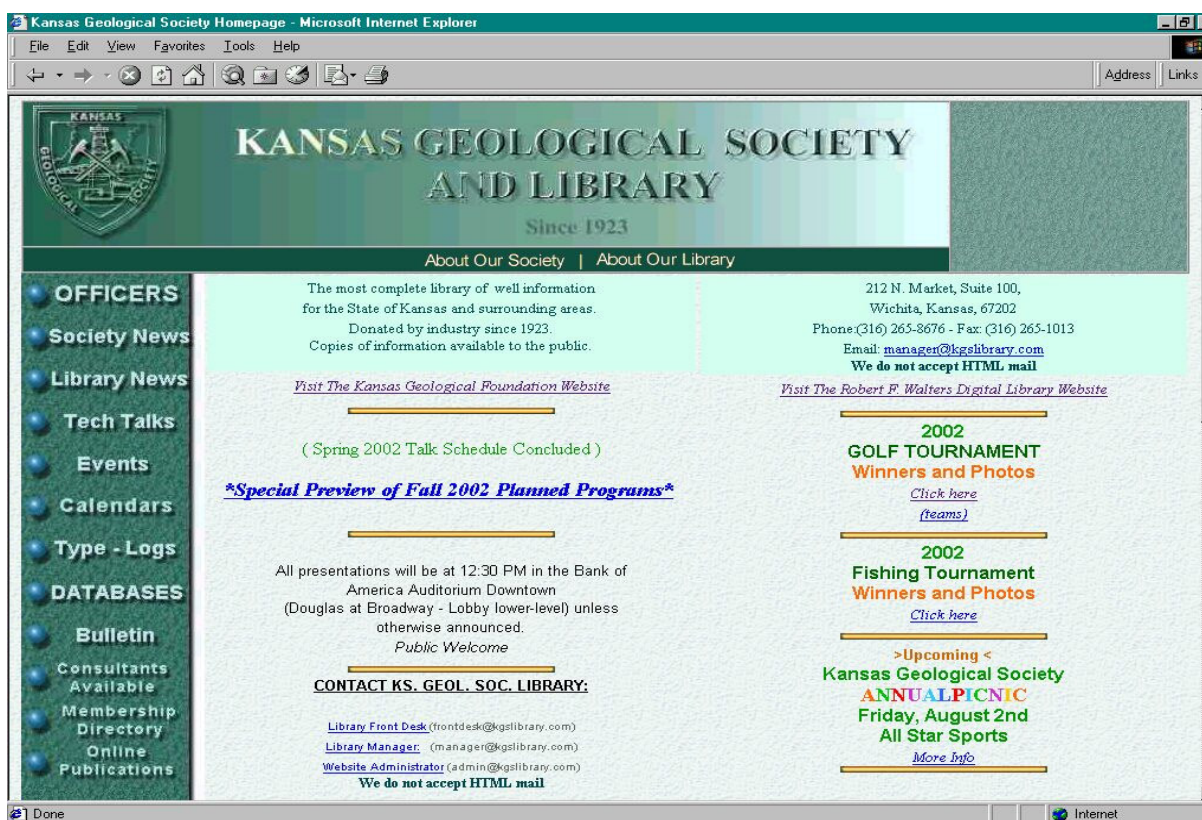
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## ANNOUNCEMENT & SPECIAL EVENTS

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### **Mid-Continent Section Report Advisory Council Meeting Denver, August 23, 2003**

#### **Mid-Continent Section Meeting - Tulsa, OK, October 10-14, 2003**

The primary activity of the Mid-Continent Section will be the semi-annual meeting to be held in Tulsa. This meeting commences on Saturday, October 10th with a joint AAPG/SEPM Field Trip, "*Sequence Stratigraphy and Depositional Dynamics of the Atokan Formation-Northwest Arkansas*"

On Saturday, October 11, there will be two short courses: "ACCESS for Independents: Web-Based Petroleum Reservoir and Play Characterization, and Modeling in the Public Domain: Gemini Application" and "Structural Styles and Hydrocarbon Traps in Compressive Basins."

Saturday Evening, Dr. Jack Bacon, NASA, will make a Community Education Presentation, "*There's Gold in That There Vacuum.*" There will be two additional short courses on Sunday: "National Geology Licensure Preparation" and "Structural Styles and Hydrocarbon Traps in Compressive Basins". At 4:00 PM the Opening Session will commence with an address by the Mayor of Tulsa. This will be followed by the MCS Awards Ceremony. The Exhibits, with the traditional icebreaker will commence at 5:00 PM.

On Monday and Tuesday, four workshops will be available to attendees: "Frontiers of Petroleum E&P: New Technologies from Government Research Labs"; "E&P Practices That Work in Mature Basins of North America"; "Watershed and Floodplain Management from a Geological Perspective" and "Keys to Profitable Acquisitions of Oil and Gas Producing Properties."

Starting Sunday at 1:00 PM and extending through Tuesday afternoon there will be nine Oral Sessions: "Stearns Symposium: New Structural Plays and Concepts, Southern Mid-Continent: A Symposium Honoring Dr. David Stearns"; "Evolution of New Play Concepts: What's Next for the Mid Continent?"; "Case Histories of Successful Application of Geochemistry"; "Enhanced Geological Prediction from Data Mining"; "Coal Bed Methane: What makes for Economic Success?"; "The Confluence of New Technologies and Old Shows, Fields, and Plays: Case Histories"; "Stratigraphic and Sedi-

mentologic Resolution of Mid-Continent Reservoir Units (Organized by the SEPM)"; "Hot Plays of the Basins of the Mid-Continent: An Open, Facilitated Forum"; "New Technologies and Geologic Insights in the Practice of Environmental Geoscience."

There will be Poster/Core Sessions on Monday and Tuesday. The All Convention Luncheon on Monday will feature a presentation by Michael Bahorich, Past-President of the SEG. A number of Guest/Spouse activities are scheduled and a Hospitality Suite will be available. Tom Harrold and Casey Clawson are General Co-Chairs for this meeting. Jim McGray is President of the Mid-Continent Section

#### **Ardmore Geological Society - Mike Allison , President.**

The Ardmore Geological Society will be having their first meeting of the New Year on September 11, 2003. The Society's year is from September to May of the following year. Meetings are from 6-9 PM on the second Thursday of each month. The customary location is the Chickasaw Lake Club, a private sportsman club which was founded in approximately 1903; prior to Oklahoma statehood.

For the Ardmore Geological Society, plans are being made to host a geological field trip this year for the Mid-Continent Section. Also, Bob Allen, a Honorary member of the Society, is chairing the Stearns' s Symposium on Sunday, October 12, at the Mid - Continent Convention in Tulsa. Lastly, on October 9, the Society will be having their annual golf Tournament at Derrick Hills Golf Course. This golf course was designed by Perry Maxwell and is one of the most picturesque in Oklahoma.

#### **Fort Smith Geological Society - Floyd Hamm President**

The Society basically works on a school calendar year, generally with two dinner/meetings in the fall and two in the spring. We will have a spring field trip and sometimes one in the fall. Attendance at meetings averages between 30 and 40 and always includes several area college geology students.

This past year our dinner/meetings included:

- (1) Scott Bruner, P.E., Deputy Director of the Arkansas Oil and Gas Commission spoke on his commingled study of Arkoma natural gas production, entitled "Two years in review: Phase II"
- (2) Dr. Kevin J. Smart, Assistant Professor in the

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School of Geology and Geophysics, University of Oklahoma gave a talk entitled "Structural Geology, Tectonic Setting, and Recent Exploration History of the Potato Hills, Central Ouachita Mountains, Oklahoma."

(3) Dr. Charles J. Mankin, Director of the Oklahoma Geological Survey and Director of the Sarkey' s Energy Center at the University of Oklahoma, gave a talk entitled "Are we heading for an energy crisis? Or as Yogi Berra would say, it' s déjà vu all over again."

(4) Rick Kear, Principal Geologist with Schlumberger' s Northern Gulf Coast Interpretation Development Team, gave a talk entitled "Early and Middle Pennsylvanian rocks in the eastern and central parts of the Arkoma Basin (Arkansas Valley) provinces of Arkansas." This talk was followed the next day by a field trip to central Arkansas. Rick Kear was the leader and outcrops were examined that were discussed at the meeting. Charlie Stone and Doug Hanson with the Arkansas Geological Commission were co-leaders of the trip.

Dr. Walt Manger, Dept. Head at the University of Arkansas, led another field trip to Lake Fort Smith. Active construction in this area has created numerous new outcrops, and generated new geological questions for the site.

Each spring the Society awards two \$1000 geology student scholarships, one each to the University of Arkansas and Arkansas Tech.

We are also in the process of setting up a Society web page. New officers for the fall are as follows:  
President, Ken Fritsche (T.C. Mueller Co.)  
Vice President, Kim Butler (Seeco, Inc.)  
Sec/Treasurer, Jackie Myers (Hanna Oil & Gas)

#### **Kansas Geological Society Officers for 2003**

President - Timothy G. Pierce  
President Elect - Thomas Hansen  
Secretary - Ernie Morrison  
Treasurer - Mikeal Maune

#### **Activities this year:**

Annual Banquet in January  
Technical talks from January to June  
Field trip to SE Kansas in March  
Field trip to NW Kansas in May  
Fishing Tournament in May  
Golf Tournament in June  
Annual Picnic August 1  
Technical talks September to January  
Sporting Clay Shooting Tournament in October

#### **Tulsa Geological Society - Ted Beaumont, President**

The TGS is doing very well. Our membership is increasing. We are merging newsletters with the Geophysical Society of Tulsa. We are planning joint meetings with them every month this coming season. We may even become one society. The ball is in their court on that possibility. We are also planning several evening meetings at local outcrops, sort of a "mini-field trip." One new innovation we are adding this year to our evening meetings are poster sessions. Members can bring a poster of a geological problem or even a prospect and hang it up for discussion during the social hour. We got this idea from HGS.

Report Respectfully Submitted,  
Bob Cowdery, Mid-Continent Representative to the Advisory Council

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## SCIENTIFIC COMMUNICATIONS

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# LEWIS AND CLARK AND THE GEOLOGY OF THE GREAT PLAINS

## ABSTRACT

**R. F. Diffendal, Jr., Conservation and  
Survey Division, University of Nebraska  
and Anne P. Diffendal, Historian**

Meriwether Lewis and William Clark undertook their journey in 1804-06 in order to explore the area, known as Louisiana Territory, which the United States had purchased from France in 1803.

In his written instructions to Lewis, President Thomas Jefferson charged the expedition principally to follow the Missouri River to its headwaters and then locate rivers flowing down the west side of the Rockies to the Columbia River and into the Pacific, in order to find the best route across the continent. Jefferson further specified that they collect and describe plants and animals new to science; record the latitude and longitude of the rivers, mountains and other features; to note the land's potential—its farming lands, climate, water supply, timber, wildlife and mineral resources. Their journals, notebooks and maps indicate that they took this charge to heart and compiled a great deal of information on these topics.

Lewis and Clark were astute observers of the land through which they traveled. In most cases, however, they did not know what had caused its appearance. At that time, few, if any, would have because the discipline of geology was in its infancy. James Hutton, the father of modern geology, had published his *Theory of the Earth with Proofs and Illustrations* in 1795 but few people were aware of the work nine years later. The concepts of geologic time and of absolute dating were only beginning to be developed in Europe. The first geologic map—that by William Smith in England—was not published until 1815. The ideas of continental glaciation and repeated widespread flooding of the continents by oceans had not yet been proposed.

However, some people did know, at least in a general way, something about geology including how to identify minerals. They recognized fossils. They were also aware of natural hazards such as landslides, floods and volcanic activity. From the notations in their journals, it is clear that both Lewis and Clark understood these aspects of geology. Among the books that they took with them was Richard Kirwan's *Elements of Mineralogy*, published in London in 1784.

While Lewis and Clark frequently described geologic features, they seldom speculated on the processes that might have produced them. The few exceptions deal mostly with the effects of flowing water. They noted banks being undercut and landslides, as well as shifting sand bars and old river channels and cut-offs. They also commented on water's role in rounding pebbles and in shaping rock.

Today we will take you on a journey up the Missouri River from the Kansas-Nebraska border to the mountain front in Montana and back down the Yellowstone River in Montana to see some of the geologic features described by Lewis and Clark. We have selected features that are accessible to today's traveler either located on public land or visible from public land or along roadways.

**The Diffendals will be here to give this talk on Thursday, September 25th  
Bank of America Auditorium  
12:30 PM**



# Elephant Hunting in Nevada

Abstract: Alan K. Chamberlain

The central Nevada thrust belt provides an opportunity to explore for giant oil and gas fields. Thick, thermally mature, organic-rich, lacustrine oil shales deposited in the Mississippian Antler basin flood plains are the source beds for the fifty million barrels of oil already produced in Nevada. Karsted unconformities, stromatoporoid reefs, impact breccias, and sandstones make Nevada's Devonian reservoir rocks most favorable for giant accumulations. Late Cretaceous thrusting created the compressional features of the prolific Canadian foothills, Utah/Wyoming thrust belt and the central Nevada thrust belt.

Typically, oil seeps are associated with oil-bearing thrust belts worldwide. However, a blanket of Tertiary volcanics sealed in many of Nevada's oil seeps and concealed Nevada's thrust belt. Some of these seeps, including Grant Canyon, Blackburn, Trap Spring, and Eagle Springs oil fields, built up enough oil to become commercial. So far, all of Nevada's crude has been produced from these commercial oil seeps. Little effort has been expended to identify the source of these commercial oil seeps because of the lack of an accurate geologic map and model. In contrast to other states, the State of Nevada has never surveyed its mineral potential. The cursory geologic mapping by the federal government is not adequate for exploration purposes. Old depositional and deformational models, based on insufficient data, have been entrenched into the literature, thus impeding exploration.

An old model championed by the United States Geological Survey is the theory that the Mississippian Antler Basin siliciclastics were deposited as flysch turbidites into a deep foreland basin between the Antler highlands in central Nevada and the Utah hingeline in central Utah. However, new field data indicates regressive sequences containing vascular plant roots (*Stigmaria*) penetrating bedding planes and lacustrine palynomorph assemblages. This new data dispels the old model and supports a new depositional environment model. The new model shows that the richest and most oil-prone Mississippian source rocks are lacustrine oil shales. Lacustrine oil shales make oil exploration in the Antler Basin very attractive. Cumulative thicknesses of these world-class lacustrine oil source rocks are measured in thousands of feet in outcrops and wells. They are thick enough and rich enough to generate trillions of barrels of oil.

Until the early 1980's the typical exploration practice in Nevada was to drill just the Tertiary valley fill in synclines. Therefore, most of the eight hundred wells drilled in Nevada penetrate only syncline Tertiary valley fill. Few wells have penetrated any Paleozoic section. However, two significant fields were found by drilling "too deep" and penetrating Devonian rocks below the Tertiary unconformity. Oil flows from Devonian reservoirs in the Blackburn and Grant Canyon oil fields. One well in Grant Canyon flowed 4000 barrels a day for ten years. It has now produced more than 15,000,000 barrels of oil since its discovery in 1983. The Grant Canyon reservoir consists of 200 to 400 feet of karst breccia at the top of the Middle Devonian Simonson Formation. This karst interval is found in wells and measured sections throughout the eastern Great Basin. In addition to the karst interval, stromatoporoid reefs, impact breccia, quartz sandstones and other intervals provide world-class reservoir rocks within the eastern Great Basin Devonian sequences. An isopach of all the Devonian sequences reveals a structurally compressed basin, the Sunnyside Basin, and can be used to predict the spacial distribution of potential Devonian reservoir rocks. The Simonson karst breccia interval alone has the capacity to store billions of barrels of oil in certain structures. A careful analysis of logs from the few wells that penetrated other significant portions of Paleozoic rocks shows that, contrary to preconceived notions, many intervals provide similar reservoir rocks.

Another deeply entrenched notion that discouraged exploration investment is that the north-south structural grain of the eastern Great Basin was caused by Tertiary extension which could have compromised seals on older, compressional structures. However, new mapping is revealing many uncharted compressional features and a lack of extensional features. The new maps demonstrate that the region underwent much more compression than previously thought. Furthermore, some of these features show no evidence of being broken by major Tertiary extensional faults. Several unbroken compressional structures in the Timpahute Range, 50 miles south of the prolific Grant Canyon field, are exposed.

Another example of an intact compressional feature is the Golden Gate fault fold 40 miles south southeast of the prolific Grant Canyon field and ten miles north of the Timpahute Range. The Golden Gate fault fold is ten miles long and five miles wide and has more than five thousand feet of closure. It may have trapped billions of barrels of oil before it was breached by headward erosion of the Colorado River. New mapping reveals that no Tertiary extensional faults compromise the structure. Similar structures, along strike that have escaped erosion, likely contain billions of barrels of oil and trillions of cubic feet of gas. Oil seeping from these giant fields is probably the source for the commercial oil seep fields in Nevada. However, old opinion and theories based on little or poor geologic mapping have obscured the true understanding of Nevada geology for at least five decades.

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## BOOK REVIEW by Robert Stozle

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### **Constant Battles**

By Steven A. LeBlanc with Katherine E. Register

Published by St. Martin's Press in 2003

Price \$25.95—230 Pages

This book is a bit of a departure from the usual geology and petroleum industry related fare but, there is a bit of connection besides the fact that archaeology also requires digging in the dirt. The main thesis of this book is that the image of primitive man living in peaceful harmony with the "natural world" is largely a fantasy created to promote a political and ecological agenda. *Constant Battles* examines the archaeological record from the earliest hominid fossils to the political structure of the modern world and presents a powerful case for humans having always been aggressive, prolific and largely out of "balance" with his environment.

Steven LeBlanc is a Harvard archaeologist and a director of the Peabody Museum of Archaeology and Ethnology, so he is writing about what he knows. The book is written for the general public but, does have a thorough annotation of notes and references after the text for anyone wanting to review the author's sources. The style is somewhat "chatty" and very readable but, some of the points get driven home more often than necessary. Nevertheless, I would recommend *Constant Battles* to anyone interested in human origins and/or the current human condition. The following quote is a good representation of the book's style and thesis:

"The myth of the 'noble savage' living in peaceful harmony with nature is a naïve version of the idea that traditional societies have been able to live below the carrying capacity and were able to control their populations so they wouldn't exceed the resource supply, but human societies have not been able to do this. And along with this misconception comes the myth of a peaceful past, which views warfare as occasional, minor and almost gamelike. War in the past was frequent, serious and deadly."

The argument is quite compelling and doesn't leave much doubt about the "dark side" of the human spirit having been with us since time immemorial. However, *Constant Battles* does suggest that if we can understand this part of our humanity that, with some serious adjustments, mankind just might break out of one of our more vicious cycles. Just because, in the past, when resources became scarce we took them from our neighbors, does not mean that we have to reform the Middle East to ensure that the oil keeps flowing.

Robert Stozle  
6/30/03

# GeoGraphix

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GENERATION

FIELD DEVELOPMENT  
PLANNING

WELL DESIGN AND  
DRILLING OPTIMIZATION

PRODUCTION  
OPTIMIZATION

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## FROM THE MANAGER'S DESK

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Dear Members,

It has been a very hot summer with no end in sight at the time I am writing this. Hopefully it will break soon, bringing that nice cool fall weather that we all love.

As September comes around, we are ready for another great year of Technical Talks, thanks to the hard work of **Bob Cowdery**. He has several talks already scheduled. Please see **page 5** for the schedule and get these dates on your calendar. On September 25, there will be a very interesting talk on the geology of the Lewis and Clark Trail. Don't miss it!

The KGS Annual Picnic was held on August 1st at All Star Sports Entertainment. We had a very good turnout this year and everyone seemed to have a wonderful time. The food was delicious and the air-conditioned room was greatly appreciated as it was very hot that day and evening! Photos from this event are on the following page. Please thank the Picnic Committee for such a fine event: **Brian Wilhite, Chair, Kimberly Dimmick-Wells and Cory Baker**.

We had a special event this year at the picnic thanks to **Tyler Sanders**. He devised and sponsored a contest called "**Know Your Rocks**." There were several logs displayed with the headers removed and you had to guess where the well was drilled. The one coming closest to the actual location won \$50.00 cash! The winner was Gerald Honas. Congratulations Jerry! The pictures at the end of my letter show the serious nature of the species called *geologist*, working on the solution to this contest.

We have the **KGS Shooting Tournament** coming up October 7th. Please see **the insert entry form** for details on this event or talk with Larry Richardson.

We have started the free demo of the **Walters Digital Library** as of August 27th. We will be running the free demo until September 15th when we will go live with all the images presently available. If you plan to use the Digital Library, please contact me or Tyler Sanders here at the library. We will get you signed up with a user name and password. All KGS members who are also Library members, will get a discounted fee to join the Walters Digital Library. We think you will be surprised at how easy it is to use this digital format and will find it extremely beneficial when you are not able to get to the paper library to do your research. We are very excited

about this project and I would like to take this opportunity to thank all of the people involved in making this happen. Many people have worked on this project and many more have helped to fund it. It could not have come to fruition without all of this help and support. We are very excited about the "On-Line" part of this project but the scanning of data for the archive is an on-going project that could use a little more help financially. If you are so inclined, sending money to the **Kansas Geological Foundation** for future scanning would be most appreciated!

Respectfully submitted,  
*Rbecca Radford*



"Maybe if I drink enough beer I'll be able to figure this out"



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## LIBRARY NEWS

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### NOTICE - PRICE INCREASE

September 1, 2003 the charge to copy completion cards  
and scout tickets will be \$1.00 / card  
(Library Members will receive their 20% discount)

### PICNIC PHOTOS



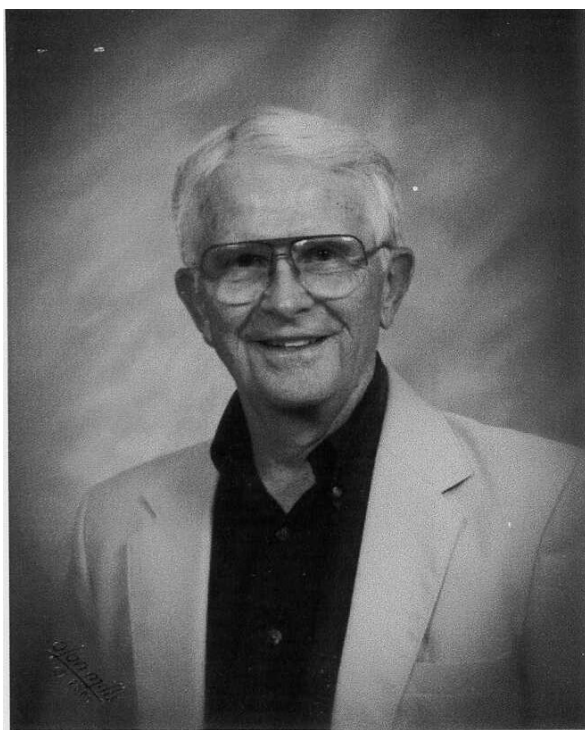
**Brian Wilhite, Picnic Chairman**  
(ready to take your money)



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## PROFILE: Robert Euwer

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**Robert Euwer**

It is easy to write a profile when you are relating some of the activities and incidents in the life of a "true professional" and one of the "real gentlemen" of our profession.

Bob's career in the "oil patch" commenced with his birth in McCamey, Texas in 1928. His father, Maxwell Lee Euwer, was a Petroleum Engineering graduate of Colorado School of Mines and was with Shell. He met Bob's mother, when they were students at South High School in Denver. At the time of Bob's birth, his father was picking locations for Shell at the recently discovered Yates Field. Bob's siblings were all active in the industry: His brother Jerry was a graduate in geology at LSU and died as the result of a car accident at the age of 31. A surviving brother, Jack retired from Schlumberger and lives in Commerce, Texas and his sister, Sally Levine, graduated in geology at the University of Houston. After a career with Union Texas Petroleum she retired to Marble Falls, Texas.

Bob attended elementary school in Houston, Texas and Sulphur, Louisiana. He graduated from Sulphur High School in 1945 at the age of 16. Bob then attended Southwestern Louisiana at Lafayette, Louisiana for one and one-half years. From 1946-51, he attended Louisiana State University where he graduated with a degree in Petroleum Geology. During this period he also acquired 76 hours towards a masters in geology and a minor in geography. At LSU, the professor who exerted the greatest influence on Bob was Dr. Grover Murray, Past-President of the AAPG and recently deceased.

While at LSU, Bob met Barbara Daniel and they were married in July of '51 at her hometown of Acadia, Louisiana. Barbara and Bob have three children: Dr. Rebecca Stevens, who is a Dr. of Dermatology in Dallas, Beverly Pye, who has spent 22 years with MCI in Denver and who resides in Bailey Colorado; Brenda Adams, an artist and health spa manager in Taos, New Mexico. Barbara and Bob have three grandchildren.

After his marriage, Bob, accompanied by his new wife, joined a Shell Oil Company training program in Emporia, Kansas involved in surface mapping of the Nemaha Ridge and the Forest City Basin. His mapping partner was Herb Mayberry and since most of their work was in the Flint Hills region they both attended the Flint Hills Geological Society which consisted primarily of Shell and Carter surface geologists, geologists with the Kansas Highway Department, and some professors from Kansas State.

Bob then worked for Shell as a staff geologist in Oklahoma City and as a subsurface geologist in Houston. While at LSU, he obtained an R.O.T.C. commission in the U.S. Army. From 1952 to 1954 he was on active duty which included one year of service in Korea during the Korean War. Bob was a forward observer on the front line with the 7th Infantry Division. In 1995 he authored a book related to the Korean War and the monument to that war in Washington, D.C. The title is "No Longer Forgotten."

After his army duty he returned to Shell, serving as division geologist in Wichita. Co-workers during this period included: Jim Rogers, Harry Larsh, Jim Drexler, Jim Porter, Ed Lorenz, and Charles Slagle.

In 1961 he joined Rupp Oil as exploration manager. Bob remembers Kenny Rupp as one of the most interesting people he met in the "oil business." He was a self-made oil finder and formed the origi-

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nal Rupp -Ferguson Oil Company. Kenny' s background included service as a Naval Officer on the USS Lexington. This experience stood him in good stead when Kenny, Bob and another local oilman, Jack Benedict were in New York City for a meeting. They were staying at the Plaza when a major fire at the hotel occurred. They were on the 10th floor beyond the reach of the ladders. Kenny, having been a Fire-Control Officer on the Lexington led them with towels on their faces down 10 floors to safety.

In 1965 Bob joined Pickrell Drilling where he worked with Dan Bowles. During this period Ralph Ruwwe did most of their wellsite work, although Bob recalls one occasion where he was the wellsite geologist on a well in Kiowa County. The well was finished at 2:00 AM and Bob with no sleep headed home to Wichita. He stopped for gas in Kinsley, Kansas and realized that he was headed for Colorado. He said he felt like "wrong way Corrigan!" From 1967 until 1976 Bob worked for Oasis Petroleum (O.A. Sutton) as Chief Geologist. He was hired by Exploration Manager, Elbie McNeil and worked with Bill Romig. Dick Grant did most of the company' s wellsite work. While Bob was at Oasis, the company made a triple completion in Summer County from the White Cloud, Mississippian and Simpson. In the same pool we treated the Simpson Sd. with a nitroglycerin blast resulting in being 25 BOPD.

Bob formed Euwer Petroleum in 1976 serving as President, owner, and managing partner. The company participated in over 200 wells in the period from 1976 to 1985 mostly through multi-million drilling funds. Some of the company' s partners were Rains and Williamson, Parrish Oil, and Bergman Drlg. Co.

Professional organizations have benefited from Bob' s activities and wide ranging experience. He served the Kansas Geological Society in many positions during his 35 year career spent in Kansas. In 1966 he was President of the organization and during his tenure initiated the KGS Type Log Program. He was also Vice-President in 1965 and a Board Member from 1963 thru 1967. He has served the AAPG as a member of the DPA, Delegate to the House of Delegates, and Mid-Continent Section Representative. While in Wichita, he was Vice-Chairman and Chairman of the Society of Independent Professional Earth Scientists (SIPES). In 1980-81, Bob was President of the Wichita Petroleum Club. He is a

past member of the Oklahoma City Geological Society and the Ft. Worth Geological Society.

Bob was the author of numerous professional papers. Of particular note is the "Mississippian Combination Trap, Bindley Field. , which was published in the March 1977, AAPG Bulletin. Bob co-authored this paper with W.J. Ebanks and D.E. Nidine-Zeller. This paper received the A.I. Levorsen best paper award at the 1975 AAPG Mid-Continent Meeting. Wallace Pratt in a letter to the University of Kansas takes note of this paper in which he states "Bill Hambleton' s organization has published in the current issue of the AAPG Bulletin an excellent report on the occurrence of oil in Hodgeman and Ness Counties."

Other papers include "Glick Field, Kiowa, Comanche Counties, Kansas", AAPG Memoir 9, Vol. 2 1968 Natural Gases of North America. This paper was also published in the KGS, Kansas oil and Gas Fields, 1965. In addition Bob authored "Pre-Pennsylvanian Subcrop of the Mississippian Osage" on the flanks of the Central Kansas Uplift. This paper was presented at the 1963 AAPG Mid-Continent Meeting in Oklahoma City. It was later published in "The Hindsight, Kansas Exploration Activity" 1963. and the "Oil and Gas Journal" March 2, 1964.



Continued on pg. 24

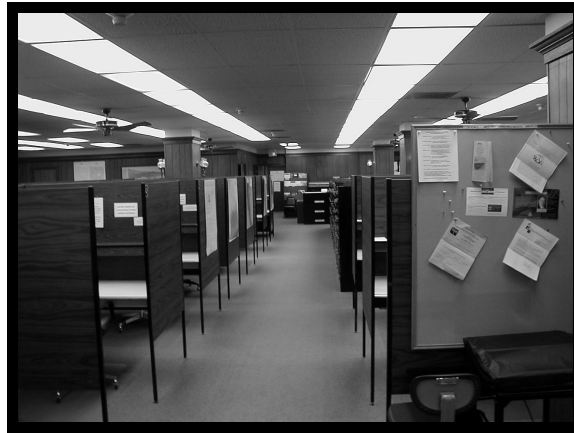
## **KGS Library Open Late on Thursday Nights**

**The KGS Library is open Thursday nights until 9:00 pm**

### **These special hours benefit:**

- ◆ **Geologists who have left the business to work elsewhere during downturns in the oil business**
- ◆ **Out of town members will now be able to maximize a trip to our library to do research, perhaps cutting a full day off of their visits**

**We generally chip in for pizza for dinner. (Or sometimes surprise potluck!)  
Join us for the camaraderie**



Profile: continued from pg. 23

Bob has not confined his activities solely to the industry and profession. While in Wichita he was chairman of the Wichita Cystic Fibrosis Fund Campaign, Sponsor of several banquets for the Wichita Dialysis Association. During his stay in Wichita, he was active in his church serving as Chairman of the Deacons and as a Sunday School teacher. Since moving to Granbury, Texas, he has lectured and led fossil hunting tours for school students in the Fossil Rim Safari area near Glenrose, Texas.

Bob and Barbara live on a lake in the DeCordova Bend Development near Granbury, Texas. It has two golf courses, so Bob is able to play about twice a week. They also have a condo in Vail, Colorado where they ski in March of every year.

Bob doesn't leave any doubt that if he had his life to live over he would still be a Petroleum Geologist and he has this to say "Petroleum Geology was an exciting profession and it gave us the where with all

to enjoy travel throughout the country (all states) and the world (55 countries). We took a Grand Canyon float trip in 1973 and as a geologist, I was able to enlighten the guides and fellow 'rafters' as to the geologic wonders we were encountering." During his 35 years in Kansas, Bob believes that his career was influenced to the greatest degree by: Elbie McNeil, Jim Rogers and Dr. Bob Walters.

With a wealth of experience behind his words, Bob would advise geology students entering the profession to "initially become well founded in the broad regional picture. Emphasizing mountain and basin tectonics with the influence of ocean, river and wind deposition, then zero in on the local potential oil and gas prospects."

With retirement, Bob has not set any professional goals but with he and Barbara being active in their church, he is working towards encouraging spiritual development in others.





***The Kansas Geological Society  
Would like to thank the following sponsors of the KGS Annual Picnic***

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## MEMORIAL Bob Wasson

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Submitted by Marjorie Crane

The geology community lost an excited future oil-finder when Robert "Bob" Wasson passed away on May 27, 2003, while attending the Wichita State University field camp in Buelah, Colorado.

Bob was born in El Paso, Texas on December 14, 1959 to Don and Lillian Wasson. He and his family, which also included two brothers, Andrew and Gregg, and a sister, Vee, eventually settled in Wichita where Bob would graduate from Southeast High School in 1977. After graduating high school, he went to school at the University of Kansas for his freshman year, where he was a member of the Phi Gamma Delta fraternity along with geologist Bill Stout. Bob did not return to the University of Kansas. Instead, he held a series of jobs and eventually headed down to Texas in 1983.

In Texas, he met his wife and had two children, Ashley and Matt. He eventually ended up back in Wichita where, a few years later, he would start school at Wichita State University as a geology major.

Bob joined the geology department in the fall of 2001, where he immediately became active in all aspects of a geologist's life. He was so excited about being in geology that he would talk about rocks for so long his dinner would grow cold before he even attempted to eat it. He immediately joined AAPG, geology club, and the Kansas Geological Society where he helped out tremendously when it came to fund raising, field trips, and volunteering.

Bob joined Sal and Chellie Mazzullo in volunteering on Thursday nights at the KGS Library. He would not let anything stop him from coming in those nights, not even a big chemistry test he was so worried about the next morning. He loved being active in the society, attending the spring bash, banquet, and technical talks. This year he helped with the banquet by sitting at the ticket table where he met so many professionals, he couldn't control his excitement.

Besides sharing his love for geology, he also shared his love for music, especially his



guitar. He played guitar for years, sometimes for the public. He was so passionate about playing he was willing to teach others whenever he had the time. He also wanted to take his guitar on field trips but given the limited amount of space he was not able to. Therefore many of the students never got to hear how well he played.

During this past spring semester, Bob began to plan his summer. He knew he was going to field camp, but Dr. William Parcell also hired him to help do work in Wyoming



**Bob helping at the KGS Banquet**

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at the end of the summer. Bob drove his family nuts for months because he was so excited about the full summer he had that he could not stop talking about it.

News of his death struck a blow to everyone, even as far away as Hawaii and Pennsylvania, where stories were run in local newspapers. He is survived by his mother Lillian Wasson, father Don Wasson, stepmother Sharon Wasson, all of Wichita; children, Ashley and Matt Wasson of Watauga, TX; sister, Vee Riley of Hurst, TX; brothers, Gregg Wasson of Wichita, Andrew Wasson of Hurst, TX; grandmother, Vivian Martin of Tuscon, AZ.

The Bob Wasson Memorial Scholarship Fund for geology has been established with the WSU Foundation, 1845 Fairmount, Wichita, KS 67260.



**On a Structure Trip with WSU**

## **Needed!**

Fossils and/or mineral specimens donated to the Kansas Geological Foundation for use in preparing kits to be distributed to area schools.

*Please contact Bob Cowdery, 267-9030.*

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## **KGF TAPE REVIEWS**

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**Riches From the Rock**, Open Channel Communications - 27 minutes

Although this tape has very little geological content, it is an extremely interesting historical account of the development of copper mining in the Bisbee, Arizona area.

### **CD's Available in September from USGS**

Oil and Gas Plays (1995)-Federal Lands, and Land Use-Land Cover of the Offshore Gulf Coast Region of the United States

Basin Centered Gas Systems of the United States

Selected Data from Fourteen Wildcat Wells in the National Petroleum Reserve in Alaska

National Coal Resource Assessment Non-Proprietary Data: Location, Stratigraphy and Coal Quality of Selected Tertiary Coals in the Northern Rocky Mountains and Great Plains Region

1999 Resource Assessment of Selected Tertiary Coal Beds and Zones in the Northern Rocky Mountains and Great Plains Region

Geologic Studies of Deep Natural Gas Resources

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# KGS Board Minutes

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## July 2003 Minutes

This is a summary of the July 15, 2003 KGS Board meeting. The official minutes of all KGS Board meetings are available at the KGS Library.

Mr. Pierce welcomed those present and excused those not present. Mr. Maune gave the treasurers report. There was general discussion about the investments of the KGS with the Trust Company of Kansas. At the May meeting, the Board had voted to withdraw KGS funds from the stock market. The Board voted at the July meeting to purchase a short term CD at the highest rate available with \$90,000.00 of these funds and also voted to invest \$100,000.00 into the best CD available with a term shorter than 6 years.

Ms. Radford gave the manager's report. As of June 30, the library had a net loss of \$479.27 with a year-to-date net profit of \$15,985.70. As of the end of June, there were 579 Society members and 174 Library members.

Old Business: Penn Energy signed an agreement with the KGS to provide a computer tied to their production data. Coverage includes Kansas, West Texas, Oklahoma and Missouri. A.A.P.G. has offered to digitize KGS publications and have them available through the A.A.P.G. KGS would share in the profits after a payout of the costs had been covered.

John Morrison of IOG has asked the KGS to raise the price to copy completion cards to \$1.00 per card to coincide with his prices. This agreement is being worked out with attorneys and Mr. Morrison.

A Memorandum of Cooperation has been signed between the KGS and the KGF, working towards a Management Agreement for the Digital Library.

New Business: The El Dorado Oil & Gas Museum has requested the donation of an old microscope to be displayed in a new exhibit they are planning, a Landman / Geologist exhibit. The KGS Board moved to donate an old one we have on display in the library. The KGS name will be placed on the exhibit as well as the name of the person who donated it to the KGS.

There was discussion regarding new membership to the KGS Library and how we bill for renewals. Ms. Radford requested that for all new Library memberships, we make their renewal date anniversary to anniversary rather than January to January. This will be in sync with how memberships to the Walters Digital Library are handled. This will alleviate the

problems that might arise with prorating.

The meeting was adjourned at 3:12 PM.

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*Geologist  
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# KANSAS GEOLOGICAL FOUNDATION

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## 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 Janice Bright at the KGS Library, 265-8676. This service is free to the public.

**Videotape Library** - The KGF maintains a 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 Janice Bright at 265-8676.

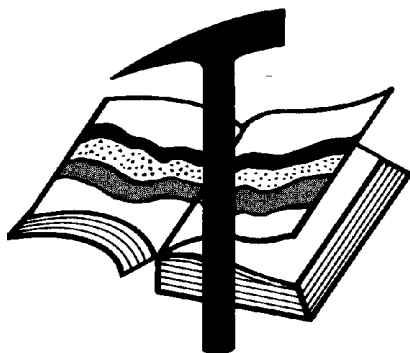
**New Slides on Energy from AAPG** - 14 slides are available from the Speaker's Bureau on energy. Please contact Bob Cowdery at 267-9030 to check out the slides.

The Kansas Geological Foundation was founded in March of 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



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- establish memorials and endowments
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Name	Dc' d Dte	M' l Est.	Name	Dc' d Dte	M' l Est.
Dan Bowles	09/89	1990	Frank M. Brooks	03/98	1998
John Brewer	10/89	1990	Robert F. Walters	04/98	1998
Robert Gebhart	01/90	1990	Stephen Powell	04/98	1998
George Bruce	09/90	1990	Deane Jirrels	05/98	1998
Ray Anderson, Jr.	11/90	1990	William G. Iversen	07/98	1998
Harold McNeil	03/91	1991	Ann E. Watchous	08/98	1998
Millard W. Smith	08/91	1991	W.R. "Bill" Murfin	09/98	1998
Clinton Engstrand	09/91	1991	Donald L. Hellar	11/98	1998
M.F. "Ted" Bear	10/91	1991	Joseph E. Rakaskas	01/99	1999
James & Kathryn Gould	11/91	1991	Charles W. Steincamp	02/99	1999
Benton Brooks	09/92	1992	Robert and Betty Glover	10/86	1999
Robert C. Armstrong	01/93	1993	Howard E. Schwerdtfeger	11/98	1999
E. Gail Carpenter	01/93	1993	W. W. "Brick" Wakefield	03/99	1999
Nancy Lorenz	02/93	1993	V. Richard Hoover	01/00	2000
Norman R. Stewart	07/93	1993	Warren E. Tomlinson	01/00	2000
Robert W. Watchous	12/93	1993	James A. Morris	01/00	2000
J. George Klein	07/94	1994	Eric H. Jager	03/00	2000
Harold C.J. Terhune	01/95	1995	Kenneth W. Johnson	03/00	2000
Carl Todd	02/95	1995	Dean C. Schaake	04/00	2000
Don R. Pate	03/95	1995	Fred S. Lillibridge	05/00	2000
R. James Gear	05/95	1995	Jerry A. Langrehr	07/00	2000
Vernon Hess	06/95	1995	Clark A. Roach	07/00	2000
E. K. Edmiston	06/95	1995	Ralph W. Ruuwe	09/00	2000
Jack Rine	08/95	1995	Robert L. Slamal	02/01	2001
Lee Cornell	09/95	1995	Jerold E. Jespersion	06/01	2001
John Graves	10/95	1995	William A. Sladek	06/01	2001
Wilson Rains	11/95	1995	Harlan B. Dixon	06/01	2001
Heber Beardmore, Jr.	10/96	1996	Edward B. Donnelly	08/01	2001
Donald F. Moore	10/92	1997	Richard P. Nixon	02/02	2002
Elmer "Lucky" Opfer	12/96	1997	Robert W. Frensley	12/01	2002
Gerald J. Kathol	03/97	1997	Gerald W. Zorger	01/02	2002
Raymond M. Goodin	03/97	1997	Don L. Calvin	03/02	2002
James D. Davies	08/88	1997	Harold Trapp	12/02	2002
R. Kenneth Smith	04/97	1997	Claud Sheats	02/02	2002
Robert L. Dilts	05/97	1997	Merle Britting		2002
Delmer L. Powers	06/72	1997	Donald M. Brown	11/02	2003
Gene Falkowski	11/97	1997	Elwyn Nagel	4/03	2003
Arthur (Bill) Jacques	1/98	1998			
Bus Woods	1/98	1998			

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*Cont. Elephant Hunting pg. 17*

As a result, past oil exploration efforts in Nevada based on old tectonic and depositional models have been disappointing.

**Note:** Alan Chamberlain will speak at the KGS technical talk October 30, 2003

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Alan K. Chamberlain, Ph. D., President of Cedar  
Strat Corp. (702) 459-3703

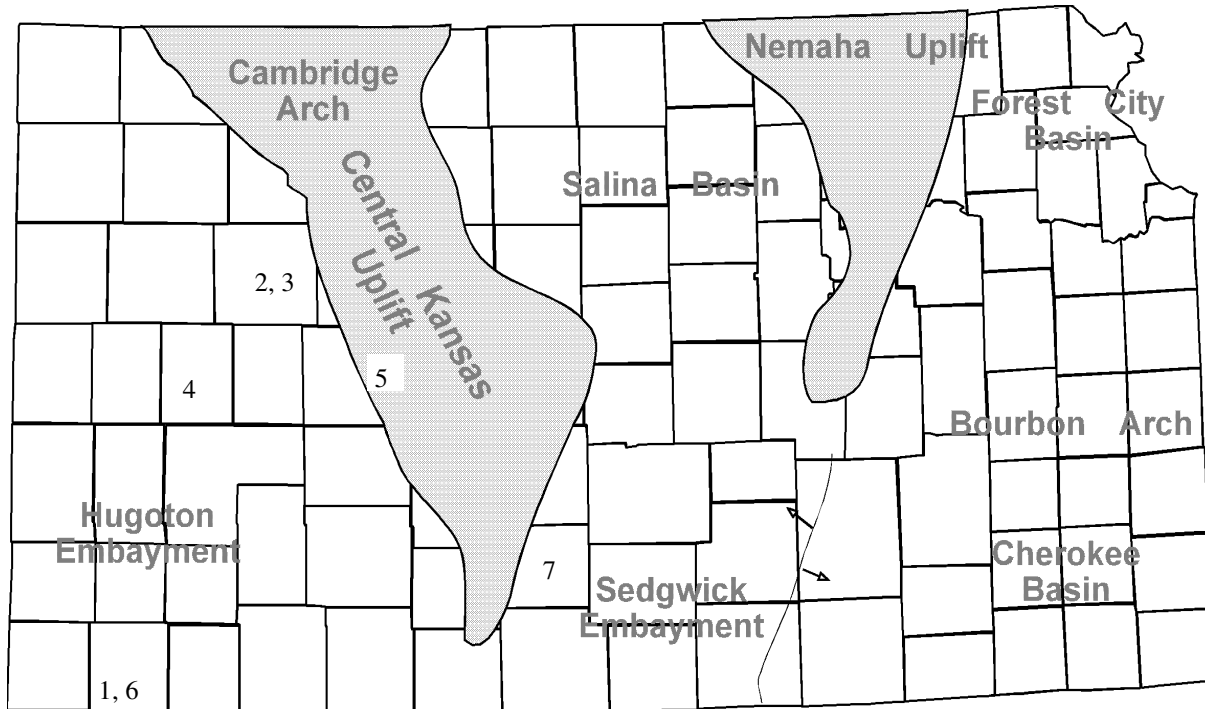
Alan K. Chamberlain received his BA and MS from Brigham Young University and his Ph. D. from Colorado School of Mines.

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# EXPLORATION HIGHLIGHTS

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By **John H. Morrison, III**  
Independent Oil and Gas Service



**(1) Anadarko Petroleum Corp. Opens New Oil Field (IOGsi Weekly News 07/07/03)** - Anadarko Petroleum Corp., Amarillo (TX), has discovered new Mississippian oil reserves at a wildcat well in Stevens County, about 7-3/4 miles north and 4-1/2 miles west of Hugoton, Kansas. The Leonard 'B' #4, located in approximately C E/2 E/2 NW in section 3-T32s-R38W, is on pump producing an undisclosed amount of oil from the Saint Louis formation. The well is drilled to a total depth of 6275 ft. and has been plugged back to a depth of 6218 ft. The new field has been named Metts Northwest. Well site is spotted nearly one mile northwest of Anadarko's Dold 'A' #2 in section 33 which was completed as a Morrow gas producer last year in the northwest corner of the Gentzler oil and gas field. No production information has been released. Approximately 1-1/2 miles due west of the Leonard 'B' #4 discovery, Anadarko's Shaffer 'D' #2 in section 30, was completed for 50 barrels of oil and 59 Mcf gas per day as the pool opener for the Shaffer Field in July, 2000. The well produced oil and gas from Morrow perforations at 5886 to 5896 ft.

**(2) John O. Farmer, Inc. Finals Wildcat (IOGsi Weekly News 07/07/03)** - Independent producer John O. Farmer, Inc. of Russell (KS) has discovered new oil deposits at their Offner #1 well spotted in the northeast corner of Lane County, near the Gove County line. The wildcat well is drilled to a total depth of 4480 ft. at site located in the C E/2 NW NE in section 2-T16s-R27W. The well is producing oil from the Mississippian formation at an undisclosed depth. Field area is located 3-1/2 miles north and 3 miles east of Pendennis, Kansas. The Offner well has extended the pool boundaries of the Broughton North Field and has been recognized an infield discovery in the pool. Mississippian oil is produced about 5/8-mile to the west in the Broughton North Field in the NW/4 of section 2. Nearby in section 36-T15s-R27W, John O. Farmer's Curtis #1 also produced 30 barrels of oil from Mississippian perforations at 4328 to 4334 ft. when completed in 1992.

**(3) Castle Resources Produces 65 BOPD at Gove Wildcat (IOGsi Weekly News 07/21/03)** - Jerry D.



---

Green, dba/ Castle Resources, Inc., of Schoenchen (KS), has established the Lo-Ri Field in Gove County with the successful completion of their Lockwood-Richmeier #1. Located 900 ft. from north line and 100 ft. from east line (app SE NE NE) in section 17-T11s-R30W, the wildcat well is on pump making 65 barrels of oil and 40 barrels of water per day. First production was commenced on April 25, 2003. The Lockwood-Richmeier well has discovered new reserves in four porous zones in the Lansing-Kansas City and two in the Pawnee member of the Marmaton group. LKC perforations were shot from 4124 to 4126 ft., 4152 to 4154 ft., 4211.5 to 4213.5 ft. and 4237.5 to 4240.5 ft. Pawnee zones were opened from 4381 to 4385 ft. and 4426 to 4431 ft. L. D. Drilling rotary drilling tools were used to drill the well to a total depth of 4601 ft. Wellsite is located 1-1/4 miles south and 1-1/2 miles west of the town of Grinnell, Kansas.

**(4) Ritchie Exploration Finds Scott Wildcat (IOGsi Weekly News 07/21/03)** - Ritchie Exploration, Inc. of Wichita (KS) has discovered new Marmaton oil reserves at its Riney Trust #1 wildcat well in Scott County in West-Central Kansas. The well started commercial production on April 22, 2003 for an undisclosed rate. It is located in approximately NE SW SW in section 12-T17s-R31W. The well was drilled to a total depth of 4633 ft. by L. D. Drilling tools. Discovery site lies midway, or about 1-3/4 miles, between existing production in the Scola Field to the northeast in section 1 and the Manning Townsite Field to the southwest in the north-half of section 23. Both fields also produce oil from the Marmaton formation. Ritchie's new oil field has not been named. It lies two miles north and one mile east of the town of Manning, Kansas.

**(5) Hess Oil Company Completes New Pay Discovery Well (IOGsi Weekly News 07/21/03)** - Hess Oil Company of McPherson (KS) has discovered their second oil pool in the past two months north of the Happy Hollow Field in eastern Ness County. The Wandelene #1, spotted in approximately NE SE SW in section 20-T17s-R22W, has been completed for 14 barrels of oil and 315 barrels of water per day. Forty-one degree gravity crude came in naturally without acid use from Mississippian perforations 4268 to 4273 ft. The 4350 ft. deep well was placed on the pump on May 8, 2003. Mississippian pay is new pay source in the recently es-

tablished Happy Hollow North field. The Wandelene new pay discovery lies about five-eighths mile southwest of Hess Oil's Irma #1, NE SE of section 20, that was completed in March this year as a new Cherokee Sand oil discovery. It opened the Happy Hollow North Field (IOG Weekly News 7/09/2003). No details are available. They appear to be separate reservoirs. Both the Wandelene and Irma wells were drilled and operated to total depth by Wichita-based Northern Lights Oil Company, then were turned over to Hess Oil for completion. Field area is located about 5-1/2 miles south and 1-3/4 miles west of Brownell, Kansas.

**(6) Anadarko Petroleum Finds Stevens County Wildcat (IOGsi Weekly News - 08/11/2003)** - Anadarko Petroleum Corp., Amarillo (TX), has completed a new discovery in the Morrow formation at their HJV Ponder 'A' #1. Spotted 1310 ft. from the north line and 330 ft. from the west line approximately W/2 W/2 NW), the wildcat pool opener is flowing natural gas at an undisclosed rate and depth. Operator selected drill site located approximately one mile south their recent new discovery, Leonard 'B' #4, NW/4 of section 3-T32s-R38W (IOGsi Weekly Report July 7, 2003), that established the Metts Northwest Field in June this year when Mississippian oil reserves were found. Closest Morrow reserves are positioned about 1-1/2 miles to the northwest of Ponder 'A' lease in section 33-T31s-R38W. Anadarko's new gas field remains unnamed at this time. It is located about 6-3/4 miles north and 4-3/4 miles west of Hugoton, Kansas.

**(7) Vincent Oil Corp. Opens New Oil Field (IOGsi Weekly News 08/11/03)** - Vincent Oil Corp., Wichita (KS), has discovered new Viola oil deposits at a wildcat well in Pratt County, south-central Kansas. The Johnson #1-32 is pumping an unknown amount of crude from the Viola formation. The well was drilled to a total depth of 4900 ft. by Duke Drilling tools. Well site is located 530 ft. from the south line and 1150 ft. from the east line (approximately S/2 SW) in section 32-T28s-R15W, about 4-1/2 miles south and 3-1/2 miles west of the city of Cullison, Kansas. The new unnamed oil field is situated slightly over 1/2 mile northwest of the Springvale Field which produces oil from the Lansing-Kansas City, Marmaton, Mississippian, Viola and Simpson formations.

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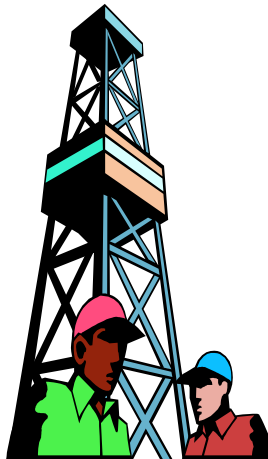
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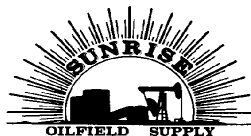
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