



Missouri Board of Geologist Registration

Volume 1, Issue 1

October, 1999

Governor

The Honorable Mel Carnahan

Department of Economic Development

Joseph L. Driskill, Director

Division of Professional Registration

Randall J. Singer, Director

Missouri Board of Geologist Registration

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St. Louis, Missouri

Cynthia N. Brookshire, Vice-chairperson
Springfield, Missouri

Connie L. Johnson, Secretary/Treasurer
St. Louis, Missouri

Dr. Paul W. Foster, Public Member
Liberty, Missouri

Lisa E. Hosey, Member
House Springs, Missouri

Lemuel "Lem" Hutton, Jr., Member
Kansas City, Missouri

Thomas I. Watkins, Member
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MISSOURI

DEPARTMENT OF ECONOMIC DEVELOPMENT

This is an official publication of the Division of Professional Registration. Submit articles to: Missouri Board of Geologist Registration, P.O. Box 1335, Jefferson City, MO 65102.

Comments from the Chair



Board appointments, as well as officer positions, are limited to two consecutive terms. I have recently stepped down from my two years as Chair. And although the Board had to pry the gavel out of my hands, I will finish out my last year on the Board, passing on as much to the new members as possible. During my tenure, I have met nothing but wonderful individuals and take this opportunity to thank each of them for their support. Even further, I strongly recommend that every registered geologist become more involved with the Board's business and volunteer to serve on the Board during their career.

General Board business has changed a great deal since the Practice Act has gone into effect. We reviewed over one thousand "grandfather" applications. We contracted with the National Association of State Boards of Geology (ASBOG) to provide us with an examination with the promise of nationwide acceptance. We have begun a program directed at upper class and graduate students pursuing geological studies to inform them of the licensure requirements and application process.

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The Board has also begun to address the reciprocity/comity issue with other jurisdictions. Now we turn our focus more toward enforcement of the Practice Act, investigating complaints.

I feel that the Board of Geologist Registration is in good hands with our new members. It enters this fifth year strong and healthy. I take great pride in being a part of the process that has made registration possible. The benefits of registration range from acknowledgement of our profession by our peers to economic gain commensurate with our education and experience.

As Registered Geologists, we could hand out kudos to a long list of people that nurtured, agonized over and made sacrifices to organize and strengthen our profession, making it more self-sustaining. Rather than risk missing any contributing individuals, we can thank our Governor, sponsoring Senators and Representatives, the Attorney General's office, MDNR, DGLS, the Department of Economic Development, and the ever-helpful Division of Professional Registration. Their collective efforts and guidance have helped to make the Board an invaluable entity and greatly aided it to fulfill the mandate to protect the health, safety, and welfare of the citizens of Missouri.

Sincerely,

Lemuel (Lem) Hutton, Jr.
Past Chairperson, Board of Geologist Registration



Overview of the Board

The Missouri Board of Geologist Registration was established with the passage of Senate Bill 649 during the 1994 legislative session. This Geologist Registration Act requires licensure for individuals engaged in the practice of geology having an impact upon public health, safety and welfare as defined by law. In 1995, the Governor appointed seven members to the Board of Geologist Registration with Missouri's state geologist serving as an ex-officio member. The board is composed of five practitioners, with four members representing different geologic specialties and the fifth practitioner employed by the state, a city or county. The board includes two public members. Board members are appointed by the Governor with the advice and consent of the Senate.

The Board is responsible for reviewing the qualifications and experience of applicants; administering the Fundamentals of Geology and Principals and Practices of Geology examinations as developed by the National Association of State Boards of Geology (ASBOG); and enforcing the state statutes and regulations concerning the practice of Geology in the state of Missouri.

The Board of Geologist Registration is a part of the Division of Professional Registration, a division within the Missouri Department of Economic Development. The Division of Professional Registration is comprised of over thirty four (34) professional boards and commissions which translates to over 310,000 licensees. Over thirty four (34) regulatory agencies comprising the division are responsible for safeguarding the public health, safety and welfare of Missouri citizens. The Board works with the Division of Professional Registration and the Department of Economic Development on budget, legislation, cost estimates for implementing legislation and administrative rules.

Changes at the Office and in the Membership

Staff Changes The Board office has seen quite a few changes during the last year. Although the Administrative section of the Division of Professional Registration offers a great deal of accounting, technical, and other administrative support, most of the daily activities are carried out by two staff members, the Licensure Technician and the Executive Director.

Patty Herzing, Licensure Technician II, joined the staff in August 1999. She brought five months of experience working with our technical support staff and eight months of experience working with the Missouri State Board of Embalmers and Funeral Directors and the Missouri State Board of Podiatry to the position. Ms. Herzing has only been with the Division of Professional Registration a little over one year but she is continuously tackling new challenges. Her willingness and assertiveness in learning the daily procedures of the office has made her a valuable asset to our operation.

Desmond Peters, Acting Executive Director, came to the staff at the beginning of last October, after working with other administrators within the Division. Throughout this time, he has worked closely with Kristi Wilson, Interim Administrator, and Lem Hutton, past Board Chairperson, to become apprised of its history. Mr. Peters has gained a great understanding

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Changes at the Office and in Membership Continued

Continued from Page 2

of office business by representing the Board at the ASBOG Administrator's Forum last October and by making presentations on the licensure process at schools of geologic studies around the state. He continues to work closely with the Board chairperson and Division staff, nurturing the momentum of the Board's current maturing process.

Eric Walter, Assistant Attorney General, replaced Mary Bryan as legal counsel this past March. He received his degree from the University of Missouri in Columbia and has been working with other boards, both technical and non-technical, since he was licensed last October. The knowledge that he has gained during the last few months has already been of tremendous benefit as the Board has begun to consider how to address many pressing issues, including enforcement and reciprocity.

As the Board is anxious to continue on through the last few years of great transition, they have given this new staff an agenda that will open the dormant lines of communication between the Board, the registrants and the general public. We are moving into a new, more sophisticated phase of enforcement of the Geologic Practice Act. The Board will continue to actively examine issues that affect the practice of geology in the state of Missouri, and across the nation.

Board Membership The membership of the Board has changed dramatically, as well. Since last April, six of the eight Board members have been replaced. Dr. John D. Rockaway, Professor of Geological Engineering at the University of Missouri in Rolla, served two terms as Chairperson. Dr. Ann M. Hagni, former Manager in Applied Mineralogy and Analytical Chemistry at A.P. Green Industries, Inc. in Mexico, served one term as Vice-chairperson. Kathleen D. Moldthan, Manager of Remedial Projects at Monsanto in St. Louis, was also one of the original members. They each played crucial roles throughout the extremely busy grandfather period, serving on the Board from April 1995 through April 1998. Cynthia Brookshire, John Howard, and Lisa Hosey replace them, respectively.

Judith L. Vavak, Circuit Clerk of Dunklin County, served as a public member from April 1995 until February 1996. She was replaced by Patricia L. Shell, a well-established entrepreneur in Dexter, who served until the summer of 1997. Connie Johnson was recently appointed to this vacancy.

We feature a brief profile of each of these new Board members further into this newsletter. Our next newsletter will feature profiles of our two newest members, Dr. Paul W. Foster from Liberty, and Thomas I. Watkins in New Madrid. We will also include a note of great appreciation and gratitude to Lem Hutton, who has stepped down from two terms as chairperson. Dr. Jim Williams, State Geologist and ex-officio member, along with Mr. Hutton are the last two original members of the Board. They have provided crucial insight and history to this new membership and staff.

New Officers Elected

New Board officers were elected at the May 24th meeting. John Howard was elected the new Chairperson. Mr. Howard replaces Lem Hutton, who had chaired the Board for the past two years. Cynthia Brookshire is the new Vice-chairperson, replacing Larry Hendren. Connie Johnson, Public Member, replaces the Treasurer, Tom Butler.



New Committee

A subcommittee was formed to review the current application forms, in an effort to eliminate superfluous information and to reduce the average completion time. The subcommittee was also given the task of reviewing the rules and statutes for possible changes. They will work with the Executive Director to research and report on issues concerning possible changes in the Practice Act.

Larry Hendren chaired the subcommittee, which included Tom Butler and Lisa Hosey, until the end of his term on April 11th. John Howard and Connie Johnson were both assigned to the subcommittee during the May meeting. The subcommittee meetings will be held in various locations, but will be announced to the public.

New Member Profiles

Our Board has quite a few new faces these days. Six of our eight members have been appointed after April 1998. The membership of the group reflects the many disciplines and areas of study within the practice of Geology. More over, it attempts to demonstrate the distribution of practitioners across the physical, as well as the cultural landscapes. Please read about our new members below. Dr. Paul Foster and Tom Watkins, our newest members, will be profiled in the next newsletter.

CYNTHIA BROOKSHIRE received a Bachelor of Science degree in Geology from the University of Missouri-Rolla in December 1983. She began her career as a hydrogeologist with the Missouri Department of Natural Resources' Division of Geology and Land Survey (DGLS) in 1984. She is a member of the Groundwater Section of the Water Resources Research and Planning Program. As part of an outreach effort by the Department, Ms. Brookshire has been located in its regional office in Springfield since 1990.



In addition to being a Registered Geologist she is a member of the American Institute of Professional Geologists and the Association of Missouri Geologists. In her spare time, Ms. Brookshire enjoys boating, gardening, and her many pets. She replaces Dr. John D. Rockaway as of August 24, 1998.

LISA E. HOSEY, Environmental Geologist, received both a Bachelor's in Geology and a Master's in Environmental Planning from Southwest Missouri State University. She has over ten years of professional experience as a project manager conducting Phase I and Phase II Environmental Site Assessments, while being specifically involved with completion of over 700 Phase I Environmental Site Assessments. Ms. Hosey's professional registrations include being a registered professional geologist in Missouri and Tennessee; a registered professional environmental assessor in California; and a certified asbestos inspector in Missouri and Illinois.



Ms. Hosey currently works with NPN Environmental Engineers, Inc. of St. Louis, as an Environmental Geologist. She replaces Kathleen Moldthan as of August 31, 1998.

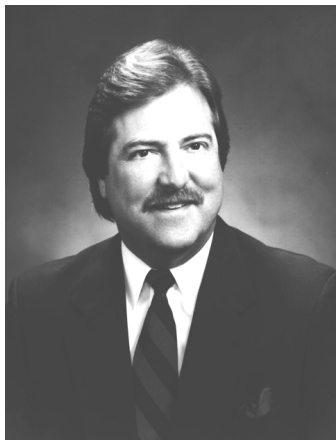
JOHN T. HOWARD, R.G., C.P.G. and Senior Hydrogeologist received both a Bachelor's degree in Geology (1984) and a Master's degree in Geoscience (1996) from Southeast Missouri State University. Mr. Howard has over 12 years of professional experience as a Geologist. This experience has included managing subsurface exploration for geologic, engineering, and environmental studies since 1985. He has been involved in geotechnical and mining industry projects as a Staff Geologist, mine planning and regulatory compliance liaison, and exploration Site Manager. For the past seven years, Mr. Howard has been involved in all facets of environmental science, including field supervision, project management, remedial design, implementation of remedial actions, litigation support, and client management. He has extensive experience in Iowa, Kansas, Nebraska, Missouri, Minnesota, Illinois, South Dakota, and Indiana.



Mr. Howard currently serves in the capacities of both Senior Hydrogeologist and Project Manager for SECOR International, Inc., an international geologic consultation company. He replaces Dr. Ann Hagni as of August 24, 1998.

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Message from the Division Director



Through team input and much planning, we started exploring the possibility of updating to a new, more efficient licensing system that will provide more user friendly interfaces and the ability to grow and adapt to new technology. I'm glad to report that we have awarded a contract to provide such a system. Our implementation is scheduled for sometime later this month.

It was brought to our attention last year that our current licensing system would experience problems with the transition from the 1900s to the year 2000 – known to us as “Y2K”. This causes incorrect results when the difference between dates is calculated and when dates are compared or sorted.

The backbone of the new system is already Year 2000 compliant and the final cost of the system is one-third of the cost to correct our existing system. We are very lucky, in effect killing two birds with one stone. Therefore, the “Y2K” will not effect your regulator.

Warmest regards,

A handwritten signature in cursive script, appearing to read "Randy Singer".

Randall Singer
Division Director

New Member Profiles Continued

Continued from Page 4

CONNIE L. JOHNSON received a Bachelor's degree in Communications, with minors in Psychology and News, from Bradley University, Peoria, Illinois in 1991. She completed a Master's degree in Health Administration and Juris Doctorate from St. Louis University in 1996. While completing her post-baccalaureate studies, Ms. Johnson held legal internships with various public and private entities, including the Barnes Jewish Center Health System, the Saint Louis University School of Law, the Missouri Public Defender, and the United States Attorney's Office. Throughout her academic career, Ms. Johnson was very active in social organizations. She continues to be active today through her involvement in the Missouri Legislative Black Caucus Youth Leadership Program, the Capital Women's Political Caucus, and the Minority Health Advisory Committee for the Department of Health.

Ms. Johnson stepped into the position of Administrative Liaison with the Missouri Department of Health in 1996. She now serves as an Administrative Assistant to the Director of the Division of Aging. She brings much intermediary experience and enthusiasm to the vacant public member position on the Board. Ms. Johnson replaces Patricia Shell as of February 11, 1999.



ASBOG Exam Statistics – Spring 1998

GENERAL STATISTICS

NUMBER OF CANDIDATES: 24

	EXAMS	FUNDAMENTALS	PRINCIPALS
NUMBER OF EXAMS:	40	23	17
PASSED:	<u>25</u> 63%	<u>12</u> 52%	<u>13</u> 76%
SCORE BETWEEN 70-80:	17	6	11
BETWEEN 80-90:	8	6	2
BETWEEN 90-100:	0	0	0
MEAN SCORE:		69.7	70.5
MODE SCORE:		82*	74; 71*

APPLICATION STATUS

GRIT:	12	5 of 8 63%	3 of 4 75%
RG:	15	3 of 7 43%	6 of 8 75%
NO APPLICATION:	13	4 of 8 50%	4 of 5 80%
PREVIOUSLY LICENSED:	4	2 of 2 100%	2 of 2 100%

CANDIDATE EDUCATION

BACHELOR'S:	6	3 of 4 75%	2 of 2 100%
POST GRADUATE:	14	3 of 8 38%	4 of 6 67%
MASTER'S:	6	2 of 3 67%	2 of 3 67%
POST MASTER'S:	4	2 of 2 100%	2 of 2 100%
UNSPECIFIED:	10	2 of 6 33%	3 of 4 75%

EXAMINATION STATUS

FIRST TIME:	39	
REPEAT:	1	Post Master's RG applicant; Principles Exam taken

NATIONAL STATISTICS

NUMBER OF EXAMS:	<u>449</u>	<u>253</u>	<u>196</u>
PASSED:	263 59%	133 53%	130 66%
MEAN SCORE:		69.7	71.6
MODE SCORE:		76**	77**

MISSOURI PREVIOUS STATISTICS

FALL 98 NUMBER OF EXAMS:	<u>23</u>	<u>15</u>	<u>8</u>
PASSED:	14 61%	8 53%	6 75%
SPRING 98 EXAMS:	<u>18</u>	<u>11</u>	<u>7</u>
PASSED:	12 67%	7 64%	5 71%

Nineteen (19) states administered the examination this spring: Alabama, Arkansas, Arizona, Delaware, Florida, Georgia, Indiana, Kentucky, Maine, Minnesota, Missouri, Mississippi, North Carolina, Oregon, Pennsylvania, South Carolina, Virginia, Wisconsin, and Wyoming. California is expected to join the Association in the spring of 2000.

* Three (3) candidates had each of these mode scores

** Seventeen (17) candidates scored 77.00; Fourteen (14) scored 76.00.

Note: All scores and percentages based thereupon are "scaled" scores. Due to questions of differing weight, these scores may not directly correspond to "raw" scores.

Renewals

The last renewal cycle ended this past April 30th. Approximately 92.3% of our registrants renewed during this last cycle. As of September 1st, we have 821 current registrants and 4 GRIT registrants. Those who did not renew will need to pay the restoration fee. Although the next renewal cycle is still a half-year away, a thorough review of the renewal process is helpful information. Please note that delinquency fees will be assessed for all renewal applications that our office receives that are post-marked after April 30th, in accordance with state regulation 4 CSR 145-1.040 (1) (F):

1. One to sixty (60) days late \$ 50.00 (\$150 total);
2. Sixty-one (61) days to two (2) years late \$200.00 (\$300 total).

If a registration is not renewed within that initial sixty (60) day timeframe after the expiration date, the registrant will have to make application to restore their certificate. It is possible to restore a registration as late as two (2) years after its expiration date. Those who wish to restore their registration after that two (2) year period will have to reapply with a new application and fulfill the current registration requirements. Please refer to state regulations 4 CSR 145-2.080 and 4 CSR 145-1.040 for renewal and fee requirements.

Name or Address Changes Our office relies on the individual registrants to notify us of changes of name and/or address. Our records are only as accurate as the last update that we have received. We have had many people inform us that their contact information in our database is inaccurate. Consequently, they have not received a renewal application or any other correspondence from our office. 4 CSR 145-2.090 requires that registrants submit a copy of the appropriate document indicating the change in name. It further requires written notification to the Board of each change in address within sixty (60) days of the effective date.

If you have changed your name, home or business address within the last few years, send a written notice to our office so that we will have the most accurate contact information in our database. This information is crucial as we attempt to communicate the activities of the Board.

The following list shows the registrants in our database that have not renewed or restored their certificates, as of May 24th. Those that expired in 1998 can be restored at any time on or before April 30, 2000. The 1999 certificates can be restored at any time on or before April 30, 2001. Please review the list for your name or that of your colleagues.

1998 EXPIRATION

LAST NAME	FIRST NAME	REGISTRN
ALLEN	BOYD	RG 0286
ANDERSON	JAMES	RG 0288
ASHWORTH	VERNON	RG 0326
BARACANI	ELIZABETH	RG 0779
BATSON	VICKY	RG 0118
BELTRAME	ROBERT	RG 0294
BERRY	MYRON	RG 0613
BOARDMAN	TIMOTHY	RG 0513
BORING	TODD	RG 0408
BRADBURN	JOHN	RG 0045
CREATH	WILGUS	RG 0028
CURRY	TIMOTHY	RG 0421
DELIS	THEODORE	RG 0768
DENSON	DERRICK	RG 0132
DOUGLAS	LISA	RG 0762
DUNN	GREGORY	RG 0758
FAREZ	CORINA	RG 0841
FAWCETT	DAVID	RG 0318
FUHRMANN	GREGORY	RG 0166
GREINER	JOHN	RG 0431

KEMNER	MARK	RG 0933
LASSETTER	DANIELLE	RG 0670
LAUBER	KENNETH	RG 0909
MARKLEY	MONTE	RG 0935
MILLER	DAVID	RG 0461
MILLER	DON	RG 0462
PAARLBERG	NORMAN	RG 0086
PUFF	DENISE	RG 0180
RYAN	MARTIN	RG 0193
SANTAMARIA	STEPHEN	RG 0547
SCHULZ	DOREEN	RG 0674
SLATTERY	SHAWN	RG 0382
STEVENS	M. MERRILL	RG 0868
TAYLOR	MARSHA	RG 0387
TIPTON	STEPHANIE	RG 0808
ZUCCARO	BRUCE	RG 0949

BUTCHER	DONALD	RG 0412
CAPRIO	JOHN	RG 0692
CLARK	ROGER	RG 0619
CORNWELL	KEVIN	RG 0736
CUNNIFF	ROBERT	RG 0771
DE PUEY	P.	RG 0766
EDDINGTON	TODD	RG 0054
EPP	KATHERINE	RG 0313
FECKLEY	DAVID	RG 0319
FIELD	JOHN	RG 0695
FILSON	CINDY	RG 0917
FLETCHER	DELAINE	RG 0139

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1999 EXPIRATION

HARDMANT	WILLIAM	RG 0625
HEDENKAMP	BRET	RG 0702
JACOBS	JAMES	RG 0635
JONES	CRAIG	RG 0639

AMARI	DOMINICK	RG 0511
BALCO	JOHN	RG 0328
BALLARD	DEBORAH	RG 0293
BECK	BRIAN	RG 0983
BERCHENBRITER	DEAN	RG 0297
BRAUN	JEFFREY	RG 0969
BUNKER	JAMES	RG 0973

Renewals Continued

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FOX	CATHERINE	RG 0624	MORRISON	BRUCE RG 0024	STEYAERT	DAVID RG 0566
GABRIEL	WILLIAM	RG 0321	MULQUEEN	STEPHEN	RG 0661	DAVID RG 0570
GALE	WILLIAM	RG 0333	PAGE	ERIC	RG 0035	SAMUEL
GARMAN	PHYLLIS	RG 0878	PLAVITA	RAMONA	RG 0941	WILLIAM
GOESSMANN	GARY	RG 0427	PONCIANO	RUBEN RG 0960	VAN ROOSENDAL	DANNY RG 0978
GUILLETTE	BRIAN RG 0432		RANDALL	SCOTT RG 0263	VIEGUT	DANIEL
HART	THOMAS	RG 0880	RATHBUN	CLAY	RG 0036	WALLACE
HENSON	CHARLES	RG 0851	REED	PHILIP RG 0376	WEATHERLY	GREGORY
HEYING	EVERETT	RG 0337	ROBINSON	LOUIS RG 0187	WEBB	JEFFREY
HUDDLESON	STEVEN	RG 0279	ROGGE	RICHARD	RG 0739	KRISTIAN
HUFFMAN	CLYDE RG 0634		ROSCOE	MICHAEL	RG 0863	DONALD
INDELICATO	GREGORY	RG 0022	ROVEY	CHARLES	RG 0190	JAMES
IRELAND	JARRETTE	RG 0706	RUCINSKI	ANDREW	RG 0538	DONALD
JOHNSON	WILLIAM	RG 0153	RUNDELL	BRYAN RG 0544		
KENT	DOUGLAS	RG 0348	SCHLATTER	BRUCE RG 0549		
KLAUSS	THOMAS	RG 0882	SHEFCHIK	WILLIAM	RG 0496	
KOPPER	MARTHA	RG 0947	SHERRILL	MARVIN	RG 0094	
KRUEGER	DIANE RG 0965					
LAMB	ROGER RG 0794					
LINEBACH	RAYMOND	RG 0161	SLAVIN	ROGER RG 0552		
LLOYD	TINA	RG 0248	SMITH	DALE	RG 0728	
LOOSBROCK	STEPHEN	RG 0715	SMITH	THOMAS	RG 0825	
			SONNIER	BOBBY RG 0866		
LOWERY	DAVID RG 0648		SPAIN	MICHAEL	RG 0945	
MAXWELL	DWIGHT	RG 0607	STACK	CHARLES	RG 0110	
MCDANIEL	BRIAN RG 0655		STAUROWSKY	BELINDA	RG 0562	
MILLER	DOUGLAS	RG 0798	STEIN	ANTHONY	RG 0905	
MOLDTHAN	KATHLEEN	RG 0006	STEWART	JOHN	RG 0565	

Complaint Process and Disciplinary Actions

Since most of the initial licensure issues, like grandfathering, have been resolved, the Board has begun addressing the issue of enforcing the Geologist Registration Act. For the Board to administer and enforce the Practice Act, a formal complaint must be filed against a registrant or an entity. Any person not on the Board may file a complaint, which must be received at the Board office, in writing, and identify the complainant by name and address. Complaints may be based upon personal knowledge, or upon information received from other sources, pursuant to 4 CSR 145-3.010.

A complaint must allege acts or practices which may constitute a violation of Section 256.450 through Section 256.483, RSMo. The Board processes each complaint to make at least that determination. Thereafter, the Board has three options: (1) close the complaint because it does not warrant discipline; (2) investigate the alleged acts or practices further to determine if discipline would be appropriate; or (3) refer the case to the Attorney General's Office to seek discipline. If the Board receives a complaint and decides to pursue discipline, the two possible routes that the Board may take are the formal and informal processes.

With the formal process, the Board files a complaint with a neutral body called the Administrative Hearing Commission ("AHC"). After the Board files its complaint, the parties may attempt to settle the case, but if the parties cannot settle, the AHC holds an evidentiary hearing to determine if facts exist which provide cause(s) to discipline the licensee's geologist license. If the AHC finds cause(s) exist for discipline, the Board holds a hearing to determine the appropriate discipline.

In the informal process, the Board does not file a complaint with the Administrative Hearing Commission. Instead, the Board sends the licensee a letter outlining what acts the Board believes the licensee did and the law that makes those acts cause for discipline. No sooner than thirty (30) days after sending the letter, the Board sends the licensee a settlement agreement and waits at least sixty (60) days to allow the licensee to review the agreement. If the licensee agrees with the facts and terms, the licensee signs the agreement. But if the licensee rejects the agreement, the Board simply pursues discipline through the formal process.

The Board has no disciplinary action to publish at this time. To file a complaint against a registrant or entity that may be violating the state statutes or regulations concerning the practice of geology, call the Board office at [573] 526-ROCK (7625), or email to geo@mail.state.mo.us. The Board will send a complaint packet containing a copy of the Geology Practice Act, a formal complaint form with instructions, and complete contact information. Once received, the Board will review the complaint and consider the proper course to take.

ASBOG Examination Results and Registration Process

Registration Process To register to take either of the ASBOG National Examinations, send a written request to our office at the address listed on page 1. We will send you a registration form and an examination packet, which includes detailed instructions for registration, a handbook reviewing the entire examination process, and directions to the examination site. Mail the completed registration form, along with the appropriate examination fees to our office no later than six weeks before the examination date to ensure a seat.

Note that it is not necessary to have completed a degree program before registering to take the examinations. However, to become a Geologist Registrant in Training, GRIT, it is necessary to have completed a degree and pass the Fundamentals Examination. To become a Registered Geologist, RG, it is necessary to pass both Fundamentals and Practice Examinations. Please contact our office with any questions or comments about the examination.

Examination Results The previous statistics on page six reflect the results of both the Fundamentals and Practice of Geology Examinations administered on March 19, 1999. Although our pass rates are comparable to the national average overall, as well as with the individual examinations, the breakdown of the passing scores, along with the candidates' application and education status, help to give a more detailed view of the groups of candidates who were most successful.

Clarification of Terms In an attempt to make the report understandable, please note the following explanations:

Application Status

GRIT - Geologist Registrant in Training

RG - Registered Geologist

Candidate Education

Bachelor's - Currently in the process of completing a Bachelor's Program

Master's - Currently in the process of completing a Master's Program

Check Out Our Web Site



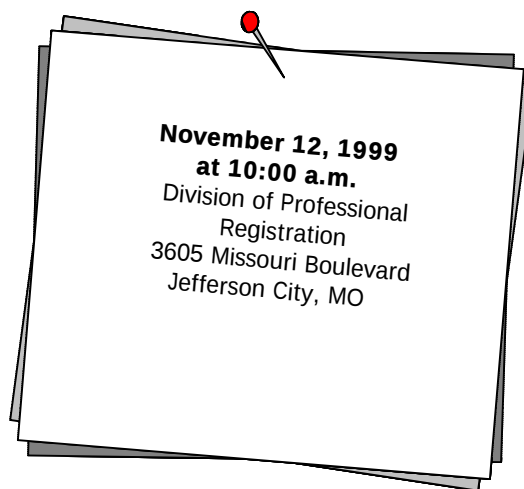
Valuable information is being updated and is available at your fingertips! Access the Missouri Board of Geologist Registration through our Internet Web sight at <http://www.ecodev.state.mo.us/pr>, go to "Regulated Professions", and then to "Geology." Future board meeting dates, examination dates and deadlines, rules and regulations, and professional registration division e-mail addresses are all presented in a user-friendly environment. You can email us at geo@mail.state.mo.us.

Meeting Dates

ASBOG National Examination Dates and Tentative Locations



Conference Calls will be
according to need.



scheduled and announced

Fees

The Board of Geologist Registration has established the following fees, found in 4 CSR 145-1.040 (1), which are payable in the form of a cashier's check, personal check or money order:

Applications

Registered Geologist Application Fee	\$125.00
Geologist Registrant-in-Training Application Fee	\$ 25.00

Examinations

Fundamentals of Geology Examination	\$150.00
Principles and Practice of Geology Examination	\$150.00
Examination Administration Fee	\$ 25.00
Examination Reshelving Fee for Missed Appointment	\$ 25.00

Renewals

Registered Geologist Renewal Fee	\$100.00
Geologist Registrant-in-Training Renewal Fee	\$ 25.00

Delinquency Fees

- | | |
|--|----------|
| 1. One to sixty (60) days late | \$ 50.00 |
| 2. Sixty-one (61) days to two (2) years late | \$200.00 |

Additional Fees

Insufficient Funds-returned check fee	\$ 50.00
Endorsement to Another Jurisdiction	\$ 10.00
Educational Review	\$ 35.00
Research Fee (per hour-one half hour minimum)	\$ 5.00
Replacement Wall Hanging	\$ 15.00
Computer Printout and Copy Fee (per page)	\$.50

RENEWAL FEES

Missouri requires that agencies within the Division of Professional Registration generate the necessary funds to administer the functions of the boards/commissions/committees without assistance from general revenue (taxpayer) dollars. The application fee for a registered geologist is \$125; geologist-registrant-in-training fee is \$25 and the annual renewal fee is \$100.

All fees collected are deposited directly into the geologist fund and money appropriated as follows:

- Administrative Services
 - ✓ Employee Salaries and Fringe Benefits
 - ✓ Rent and utilities for space within the Division of Professional Registration
 - ✓ Equipment and office supplies
 - ✓ Communication: Phone; fax; computers, etc.
 - ✓ Postage
 - ✓ Printing: Forms; rules and regulations; letterhead; newsletter, etc.
- Examination – Association of State Boards of Geology (ASBOG)
 - ✓ Initial cost of acquiring examination from ASBOG
- Membership
- Scoring of Examination
- Continued use of examination
- Litigation: Administrative Hearing Commission costs.

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Fees Continued

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- Legal Counsel: Attorney General expenses for representation and advise
- Communications: Newsletter; Informational Packets; Presentations
- Board Member Expenses
- Travel Expenses to meetings: Mileage, hotel and meals

The cost for printing and distributing the newsletter is less than 2% of the total appropriation.

NOTE: Board members do not receive per diem and are paid only for actual travel such as hotel and meal costs.

At this time, registration fees may be higher than other allied practitioners which is due in part to the initial start up expenses (including a one time cost for examination contract of \$18,000), borrowed from another agency and paid back within one year. In order to implement an original examination drafted by the Missouri Board, much higher costs would have been incurred than the purchase of the existing ASBOG examination, and the Missouri may not have been accepted for licensure in other states. In addition, the number of geologists is much lower than most other agencies, which results in higher cost per licensee. Fees may be adjusted in future fiscal years according to revenue and expenditures.

Association Contact Information

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (AIPG)

7828 Vance Drive, #103
Arvada, CO 80003-2125
7:30 AM - 4:30 PM MDT; M-F
Telephone: [303]-431-0831
Fax: [303]-431-1332
<http://www.aipg.org/AIPGScripts/Index.cfm>
E-mail: aipg@aipg.org

Missouri Section

Robert M. Rohlfs, CPG, RG, President
Telephone: [816]-421-7766 (work)
Fax: [816]-421-8444
Email: lbgmo@swbell.net

ASSOCIATION OF ENGINEERING GEOLOGISTS (AEG)

Department of Geology & Geophysics
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College Station, TX 77843-3115
Telephone: [409] 845-0142
Fax: [409] 862-7959
<http://aegweb.org>

St Louis Section

Paul M. Santi, Chairperson
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<http://www.umn.edu/~aeg/aegstl.html>

AEG-KC/Omaha Section

Kristina Blevins-McCosh
Telephone: [913] 422-1620 (work)
[913] 469-1649 (home)

MISSOURI DEPARTMENT OF NATURAL RESOURCES

U.S. GEOLOGICAL SURVEY

807 National Center
Reston, VA 20192
Telephone: 1-888-ASK-USGS [1-888-275-8747]
<http://www.usgs.gov/>
Email: <http://www.usgs.gov/mail.html>

DIVISION OF GEOLOGY AND LAND SURVEY (DGLS)

P.O. Box 250
Rolla, MO 65401-0250
Telephone: [573] 368-2125
Fax: [573] 368-2111
<http://www.dnr.state.mo.us/dgls/homedgls.htm>
Email: dglspubs@mail.dnr.state.mo.us

NATIONAL ASSOCIATION OF STATE BOARDS OF GEOLOGY (ASBOG)

PO Box 11591
Columbia, South Carolina 29211-1591
Telephone: [803] 799-1047
Fax: [803] 252-3432
<http://www.geosun1.sjsu.edu/asbog/index.htm>
Email: asbog@asbog.org

SOCIETY FOR MINING, METALLURGY AND EXPLORATION

8307 Shaffer Parkway
Littleton, Colorado 80127
Telephone: 800-763-3132
303-973-9550
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<http://www.smenet.org/>
E-mail: sme@smenet.org

Thanks and Farewells

The Division of Professional Registration and especially the Board staff would like to thank all of our Board members and their families for volunteering so much of their time to ensure that the health, safety and welfare of the Missouri citizens is not threatened by the practice of Geology. Currently, our members are reimbursed only for travel and lodging expenses while they actively participate in board business. We would also like to thank the employers of our board members, past and present. Were it not for the generosity in letting these professionals and practitioners take time away from projects and other responsibilities, it would be impossible to assemble such a diligent group of people to work through the difficult issues and sometimes long hours.

Although the agency itself does not have a long history, it seems that all of the people that have served on it throughout the five years have been active participants in the Board's business. They put in long, exhausting hours reviewing the more than 1,000 initial applications. They endured the rule-making process. Moreover, they have taken a great deal of time away from their families and careers to ensure that there are standards for the practice of Geology in Missouri, asking for little in return.

Larry L. Hendren, RG, PE, served on the Board from April 1995 until this past April. He served two terms as Secretary/Treasurer, from May 1996 until April 1998, and one term as Vice Chairperson from April 1998 until being replaced this past spring. Mr. Hendren actively participated in various ad hoc committees, providing valuable research and guidance on a number of issues (his efforts to develop a more mutually beneficial relationship between the Board and other technical professions and their Licensing Agencies, most notably).

Mr. Hendren graduated from the University of Missouri-Rolla and holds a Bachelor of Science degree in Mining Engineering. His main areas of expertise include hydrogeology, coal geology, and engineering geology. He currently serves as President and CEO to Engineering Surveys & Services, a multi-discipline Columbia, Missouri consulting firm that has enjoyed more than 40 years of success.

Tom Butler, Public Member, also served on the Board from April 1995 until this past April. He served one term as Secretary/Treasurer from April 1998 until being replaced this past spring. Although Mr. Butler served as a public member, his science expertise and attention to detail made it very difficult to distinguish him from the professional members of the Board. His great professionalism and efforts have greatly enhanced the role of the public member, continually challenging the Board to not take technical presumptions or precedents for granted.

Mr. Butler is soon to retire from his position as science and health curriculum coordinator for the Pattonville School District in St. Louis County. He attained a Bachelor's Degree in Education from the University of Missouri-Columbia and a Master's Degree in Science from Webster University. Previously, he taught earth science for 20 years in the Lincoln County R-III Schools of Troy, Missouri. He has also served for seven years as Director of Laboratory Activities for the Earth and Atmospheric Science Summer Institute at the University of Missouri-Rolla.

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Thanks and Farewells Continued

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Lem Hutton, Jr., recently stepped down from two consecutive terms as Chairperson. He served as Vice-Chairperson from April 1995 until April 1997. As Chairperson, he took great initiative to work closely with Division staff to maintain focus during the period of great transition. Actively working with the various administrators to the Board, he provided a consistent stream of input and Board history that bolstered a much-needed forward momentum. His leadership has been decisive during these last few years.

Mr. Hutton obtained his Bachelor of Science Degree in Geology at the University of Missouri in 1961. He has more than thirty years of experience including administration, marketing, planning, construction supervision and consulting in the field of Engineering Geology. He has an excellent working knowledge of subsurface soils and geology of the Central Midwest through direct involvement as a project superintendent for drilling contractors, a geologist for engineering firms and a private consulting geologist. Mr. Hutton currently works for E. T. Archer Corporation-Consulting Engineers, as Senior Staff Geologist. He is primarily involved in business development, technical, consultation and project supervision.

The Division, Board and staff would like to express great appreciation to Larry Hendren, Tom Butler and Lem Hutton for their great efforts while serving on the Board. As founding members, they set a tremendous precedent for hard work and technical expertise. We wish Larry continued success with his company and scuba diving. We wish Tom a relaxing summer and prosperous retirement. Lem is ready to take on this last year of his term and has continued to provide great leadership to the new members and staff.

Have You Moved Recently?

Board rules require all licensees notify the Board of all such changes by sending a letter to the board's office in Jefferson City, Missouri, within sixty (60) days of the effective date of the change. Please include a street address to facilitate any express mail deliveries.

Name: _____

Home Address: _____

City: _____ State: _____ Zip Code: _____

Telephone Number: _____ (Home) _____ (Work)

Work Address: _____

City: _____ State: _____ Zip Code: _____

E-mail Address: _____

Mail to:

**Missouri Board of Geologist Registration
P. O. Box 1335
Jefferson City, Missouri 65102-1335**

New Licensure System Implemented

A Message from the Division Director

On September 23, 1999, the Division of Professional Registration converted to a new licensure system called PROMO. PROMO is an acronym which stands for "Professional Registration of Missouri", and it was developed by IFMC (Iowa Foundation for Medical Care). PROMO is a software program with two components - a licensure system and complaint/investigations tracking system. Following is a brief description of the changes you will experience as a result of the new licensing system.

- **License Numbering System.** With the previous mainframe system, a license number contained the profession code RG followed by a 4-digit number. With PROMO, a license number will be the year of license followed by a 6-digit number. Example: 1999134178. This is a Division-wide numbering system and will allow the Division to capture valuable licensing information on a Division-wide scale. Professions that were licensed prior to September 23, 1999 will still maintain their previous license number in the format of the profession code followed by a 4-digit number.
- **New Security License Paper.** Licenses are now being printed on a new security paper. Several small State of Missouri seals appear on the reverse of both the wallet-size card and wall-hanging document. The seals are in red ink. If you rub on a seal, it will fade. If you photocopy the license or wall-hanging document, VOID will appear on the photocopy. You will also notice that the wallet-size card is laminated and both the wallet-size card and wall-hanging document are perforated for easy removal.
- **More Accessibility to Records.** The new licensure system will allow staff to search for a licensee even if the caller is not exactly sure of the spelling. The system will also allow searches by previous last names.

Since all Board and Commissions under the Division of Professional Registration share the same core business needs, it made sense to convert previous systems to one unified licensure system for the entire Division. Right now we have a lot of data in systems, with implementation of the new PROMO system we are eager to transform that data into information and then wisdom.