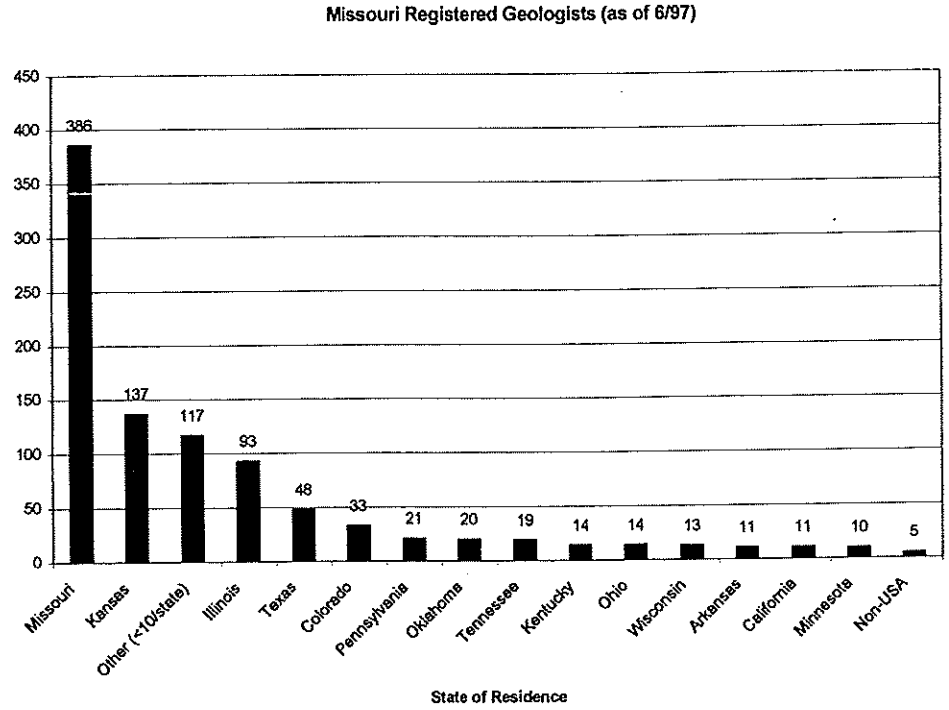
GEOLOGIC COLUMN

THE NEWSLETTER for MISSOURI'S GEOLOGISTS from THE MISSOURI BOARD of GEOLOGIST REGISTRATION

VOLUME 1, NUMBER 2 NOVEMBER 1997

952 Missouri Registered Geologists

Over 950 geologists are registered in the state of Missouri, as of June, 1997. These represent geologists from 43 states and 5 countries, with 386 geologists residing in Missouri. Thirteen additional states have more than 10 geologists registered in Missouri, and 29 states have less than 10 geologists registered in Missouri. One geologist from Canada, Germany, Greece, South Africa, and Japan are also registered in Missouri (see chart).



Check Out Our Website!

Valuable information is available at your fingertips! Access the Missouri Board of Geologist Registration through the Internet Web site at **http://www.ecodev.state.mo.us/pr/geo**. Future board meeting dates, examination dates and deadlines, registered geologists in the state of Missouri, rules and regulations, and division e-mail addresses are all presented in a user-friendly environment. The executive director of the Missouri Board of Geologist Registration, Helen Coller, can also be reached by e-mail at **hcoller@mail.state.mo.us.**

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GEOLOGIC COLUMN
The Newsletter for Missouri's Geologists
P.O. Box 1335
Jefferson City, MO 65102-1335

Please distribute this newsletter widely... reproduce as you wish. Comments and suggestions are welcome!

MISSOURI
DEPARTMENT OF ECONOMIC DEVELOPMENT

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LETTER FROM THE CHAIR

Since April, 1995, the Missouri Geology Registration Board has registered over 960 geologists. During the first renewal period, 871 renewed their registration to practice geology in Missouri, with 93 registered geologists that did not renew. Currently, there are two individuals who hold the geologist-registrant in-training (GRIT) certificate. Two GRITs have completed their responsible charge work, as well as passing both sections of the geology examination, and have been approved for registration by the Board.

Members of the Board and the Executive Director will be making visits to Missouri university and college geology departments to inform all those interested in geology registration in Missouri. These will be open forums with an opportunity to ask questions. Any other entities interested in a presentation regarding geology registration may contact the Board office at 573-526-7625 (ROCK).

In an effort to be more accessible to the public, the Board is meeting in various locations throughout the state, in addition to Jefferson City. Last spring the Board met in Kansas City and the December, 1997, meeting will be held in Rolla at the Department of Natural Resources, Division of Geology & Land Survey located at 111 Fairground Road. The public is invited for the open session, starting at 9:00am, in the conference room.

To maintain communication with Missouri registered geologists and other interested parties, a newsletter will be generated by the Board once or twice a year. Your input and suggestions are welcome.

Sincerely,

Lem Hutton

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

RENEWALS

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
- 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.

DATES OF INTEREST

Meetings of the Board

December 8, 1997, 9 AM
Department of Natural Resources
Division of Geology & Land Survey
111 Fairgrounds Road, Rolla, Missouri

March or April 1998
Check our web page for the exact date and location.

Renewal Date

April 30, 1998
Renewal notices will be mailed to all registered geologists in early February.

ASBOG Examinations

April 17, 1998
Application deadline: **February 18, 1998**

September 18, 1998
Application deadline: **July 18,1998**

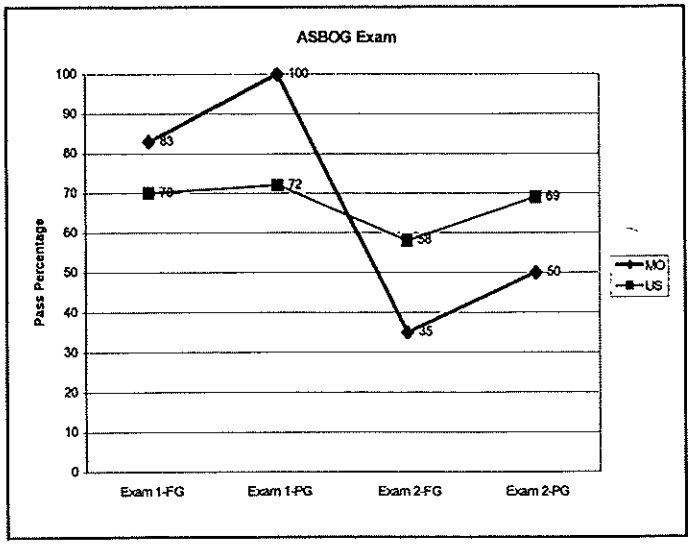
ASSOCIATION OF STATE BOARDS OF GEOLOGY (ASBOG) EXAMINATION

In order to become registered as a geologist in Missouri, individuals must pass an examination approved by the Board. To achieve fairness, reciprocity with other states, and maintain low costs, the Board has selected to use the Association of State Boards of Geology (ASBOG) exam at this time.

The exam is developed and scored by ASBOG and administered by the board twice a year. While the dates are established by ASBOG, the exams are generally administered in April and September. Examination and application for examination deadline dates may be obtained from the Board office (573-526-7625) or the geology registration Web sight http://www.ecodev.state.mo.us/pr/geo. For the Missouri office to request examinations from the national office, it is necessary for individuals to apply at least 60 days prior to examination date. Any examinations cancelled require an additional $25 cancellation fee, which is paid to ASBOG.

The ASBOG exam has been administered three times in Missouri. Results of the first two exams (9/20/96 and 4/18/97) for Missouri and national averages are depicted in the table and chart below.

ASBOG EXAM RESULTS	**Exam Location**	**Number of Applicants**	**Number Passing**	**Number Failing**	**States Participating**	**Pass Rate (%)**
Exam 1 (9/20/96)						
Fundamentals	Missouri	6	5	1		83
	US (incl. MO)	160	97	63	9	70
Principles & Practices	Missouri	6	6	0		100
	US (incl. MO)	138	100	38	9	72
Exam 2 (4/18/97)						
Fundamentals	Missouri	17	6	11		35
	US (incl. MO)	177	102	75	11	58
Principles & Practices	Missouri	16	8	8		50
	US (incl. MO)	154	107	47	10	69



The exam administered on September 19, 1997 results were not available at time of printing.

Exam material covers mineralogy, petrology and petrography, geochemistry, stratigraphy, historical geology, structural geology, paleontology, geomorphology, geophysics, hydrogeology, engineering geology, mining geology, petroleum geology, and field methods. The fundamentals section emphasizes knowledge and skills that are typically acquired in an academic setting and lead to a baccalaureate degree. The principles and practices section emphasizes skills and knowledge that are acquired or expanded in a practice or job setting. A candidate handbook is provided to each exam applicant by ASBOG. Any additional study guide resources will be made available at the time of application.

Applicants desiring to become geologist-registrant in-training are required to pass the fundamentals portion of the examination only.

SEALING AND STAMPING

As of January 1, 1997, all geologic documents, drawings and other supporting material that effect the public health, safety and welfare of Missouri citizens must be sealed or stamped by a Missouri Registered Geologist. Section 256.456.1, RSMo., and 4 CSR 145-2.100 of the Missouri law and rules identify the procedures for sealing and stamping.

Sealing and stamping documents is a method of accountability relating to the practice of geology in Missouri which is part of ensuring consumer protection.

Public health, safety and welfare is defined in Section 256.453(8), RSMo., which includes:

- Protection of groundwater
- Buildings and other construction projects including dams, highways and foundations
- Waste disposal or causes of waste pollution including human, animal and other waste including radionuclides
- Stability of the earth's surface such as could be affected by earthquakes, landslides, or collapse
- The depth, casing, grouting, and other recommendations for the construction of wells or other borings into earth that intersect one or more aquifers
- Excavation into the earth's materials where stability or other factors are at risk.

Public health, safety and welfare does not include the following:

- Geologic work conducted to determine mineral resources or other resources that could be available for various uses
- Teaching
- Basic geologic work including making geologic maps, cross sections, stratigraphic determinations, and associated reports or other presentations.

The practice of geology affecting public health, safety and welfare may be supervised by a registered geologist and must be sealed or stamped by the registered geologist in responsible charge of a project.

In order to obtain a seal or stamp, geologists should utilize the form sent with the registration to practice. The top portion can be taken to a printing company of your choice for the production of the stamp/seal. When you receive your stamp/seal, place the image on the bottom portion of the form and return that portion to the board office. Stamps/seals are not available through the state, however a list of companies providing this service is available from the board office upon request.

HAVE YOU MOVED RECENTLY?

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

Name
Home Address
City, State Zip
Home Telephone Number
Work Telephone Number
Work Address
City, State Zip
E-Mail Address

Mail to:
Missouri Board of Geologist Registration
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Jefferson City, Missouri 65102-1335