BATES TO SPEAK AT ANNUAL MEETING

Dinner speaker for the 18th Annual Meeting in Williamsburg, Virginia, will be Dr. Robert L. Bates, an internationally renowned educator, author, and lecturer.

Dr. Bates will appear at the banquet on Thursday evening, October 22nd, with a presentation entitled "View From the Column".

A graduate of Cornell University and the University of Iowa, Dr. Bates worked for Texaco, Inc., the New Mexico Bureau of Mines, and was a professor for four years at Rutgers University. He went to Ohio State University in 1951 and became emeritus professor in 1977.

Dr. Bates is the author of a textbook on the geology of industrial rocks and minerals, and is the founder of an annual forum on that subject. He is a past president of the National Association of Geology Teachers and a past editor of THE PROFESSIONAL GEOLOGIST. Since 1955, he has written a highly acclaimed column for GEOTIMES.

Dr. Bates is a distinguished member of the Society of Mining Engineers and an honorary member of the Association of Earth Science Editors. In retirement, he has served as a science editor of the GLOSSARY OF GEOLOGY, 2nd edition, and has found time for writing and travel. He is a welcome addition to an already outstanding program planned for the upcoming Annual Meeting.

Reservation cards should be sent in as quickly as possible. Remember that only AIPG members and prospective members are required to pay the initial registration fee. Spouses and family members pay only for the individual events they wish to attend.

Highlights of the Field Trip, Saturday, October 24th, will be in the next issue of THE PROFESSIONAL GEOLOGIST.

D.C. CONFERENCE OCT. 18-20

Registrations are now being accepted for AIPG's Public Affairs Conference to be held in Washington, D.C., October 18th through 20th.

Headquartered at the Gramercy Inn, the Conference will start with a Briefing at 7:00 P.M., Sunday, the 18th. Participants will visit Federal agencies on Monday the 19th and will gather at 5:30 P.M. at the Cosmos Club for a reception. Visits with members of Congress are being lined up for Tuesday, October 20th. A Congressional Reception will be held at 5:00 P.M. in the Senate Committee Room.

Buses will leave the hotel at 9:00 A.M. Wednesday, the 21st, for AIPG's Annual Meeting headquarters in Williamsburg.
APPLICATIONS RECEIVED

If any member has any recommendations, positive or negative, regarding the qualifications of any of the below applications, please mail your comments to the General Headquarters within 30 days. Your comments will be held confidential within the Executive Committee and Screening Board of the local Section.

BAUER, William Earl; 13206-M Fiji Way, Marina Del Rey, CA 90291. Sponsors: F. Christian; R. Ferguson; D. Thamer; B. Ruehr; A. Spaulding

BELL, Rex R.; 100 Taylors Mill Rd., Downingtown, PA 19335. Sponsors: R. Chew; V. Griffin; G. Emerick; J. Reynolds; L. Kunasz

BRADSHAW, Robert D.; 320 S. Boston, Ste. 1800 Tulsa OK 74103. Sponsors: A. Buzzalina; L. Barrett; P. Chenoweth; J. Harris; C. Ferris

DEBRISKE, Melvin J.; 625 Dickens St., Trail, B.C. CANADA V1R2B5. Sponsors: R. Burchart; D. Janes; J. Thompson; D. Robbins; L. Mathison, Jr.

FRITZ, Deborah Mae; Route 1, Box 1006 Hockley, TX 77447. Sponsors: S. Peppiatt; D. Beverlin; B. Alfroid; P. Beaver; T. McQuillin

GOOLSBY, Steven M.; 2345 S. Downing St., Denver, CO 80210. Sponsors: R. Kirkham; D. Murray; J. Rold; L. Ladwig; J. Price

HALL, Larry E.; Stauffer Chemical Co., 1391 S. 49th Street, Richmond, CA 94804. Sponsors: J. Miller; F. Crum; S. Metcalfe; R. Westly; L. Mannion

HELTON, Walter L.; 1154 Meadow Rd, Cookeville, TN 38501. Sponsors: D. Haney; W. Hagan; R. Lewis; M. O. Smith; D. Wright

HULKIE, Steven D.; 2703 Fredna Pl., Midland, TX 79703. Sponsors: D. Bell; L. Turk; R. Kehle; S. Shaw; W. Basham

JONS, Richard D.; 1010 W. Wall, Midland, TX 79701 Sponsors: B. Hanson; J. Martin; E. Greenwood; H. Frenzel; H. Miller

KOECHLEIN, Harold D.; 406 Huntland Ln., Westerville, OH 43081. Sponsors: F. Klaer; S. Stowe; W. Kerekgyarto; S. Logan

MARAVICH, Milan D.; 64 W. Shore Dr., Arcadia, OK 73007. Sponsors: C. Tucker; R. Northcutt; W. McMurty; B. Curvin; C. Schreener, Jr.

MCCLELLAND, Jack D.; 29458 Red Bud Hill, Boerne, TX 78006. Sponsors: M. O. Turner; C. Worrel; R. Begeman; G. Watford; L. Fortney; H. Chiles

MULICA, Walter S.; IEP, Inc., 534 Boston Post Rd., Wayland, MA 01178. Sponsors: W. Motts; D. Bruhl; D. Reed; G. Hollands; B. Paulding, Jr.

SANDERS, Thomas P.; Route 2, Box 256B, Cottageville, WV 25239. Sponsors: R. Alexander; G. Shearow; C. Essex; D. Haney; S. Turrell

SLATT, Roger M.; Cities Service Co., P. O. Box 3908 Tulsa, OK 73101. Sponsors: G. Friedman; C. Burgess; L. Black; C. Riecken; M. Horn

STEPHENS, Mark Randall; 301 W. Camino Garden Blvd., Boca Raton, FL 33432. Sponsors: T. Gurr; W. Greenslad; J. Paugh; J. Marlow; S. Bauman

STICKNEY, Roger B.; P. O. Box 6247, Anchorage, AK 99502. Sponsors: R. Warthen; K. Oles; C. K. White; A. Sisson; R. Stewart

TIPPLE, Gregory L.; 1907 W. 34th St., Austin, TX 78703. Sponsors: B. Kent; T. Grimshaw; B. Klemt; S. Pole; E. Jonas

WOODROW, Donald L.; 808 S. Main St., Geneva, NY 14456. Sponsors: D. Coates; D. Glaeser; J. Johnsen; W. Skerritt; A. Van Tyne

Associates

GREENAWALT, Jeffery C.; 719 Hemlock Square, Zelienople, PA 16063. Sponsors: T. Hambleton; John Grego; Steve Nanca

RHODERICK, Jay E.; 6 Broad St., Middletown, MD 21769. Sponsors: W. Rehfeldt, D. Siefcen, L. Hartung

ZIMMERMAN, Robert E.; 176 Rhodes Ave., Akron, OH 44302. Sponsors: A. Walker; C. Khourey; J. Jackson
SWING OF THE PENDULUM: NOT IF BUT WHEN

By John W. Rold
AIPG President

Pages of Help Wanted ads for geologists in the trade journals, the siren songs of head-hunters, tales of fabulous salary offers, and job changes cause many geologists—particularly the younger ones—to erroneously believe the situation will continue forever. Those of us with graying beards and thinning hair who have seen several cyclic swings of past geologic employment view continuation of the current situation with considerable skepticism. We remember epidemics of merger layoffs and periods in the 50’s, 60’s, and even the early 70’s when geologists were walking the streets looking for any jobs. After a period of unemployment, many went into real estate, stock brokering, or other pursuits and never returned to their original profession.

Though masked by the current surge of activity in the petroleum specialty, soft spots are beginning to appear even now in several geologic specialties. High interest rates, government regulations, and inflation have delayed or killed many construction projects thus pinching engineering geologists. Coal geology has been quite slow the past year. Though gold exploration continues at a fairly good pace, lower prices for many metals have adversely affected many mining geologists. A rapid drop in uranium prices from $42.00 per pound to $23.00 has decimated many uranium exploration and development staffs. Fortunately many uranium geologists who originally came from the petroleum sector when it was slow in the late 60’s have been able to return to that specialty. Federal budget cuts, state fiscal constraints, and Proposition 13 restraints on state and local governments are tightening up governmental geologic employment and cutting into consultant’s work for governmental agencies.

These and several other factors lead me to believe that geologists, particularly in petroleum, may experience a serious downturn in employment in the next 2 to 4 years. What causes my generally optimistic outlook to entertain such a dire prediction at a time when things look so rosy for the petroleum geologist? Four separate but somewhat related factors give me concern:

1. I understand that in the past two years some 300 Canadian companies have moved across the border or opened substantial exploration offices in the U.S. Canadian taxation and onerous energy policies are the obvious reason. Should those tax laws and energy policies change markedly to favor Canadian exploration, or U.S. policies deteriorate, those companies will move north even faster than they moved south. I doubt they will take many of the “U.S. citizen” geologists with them. If those 300 companies employ an average of 10 geologists each (and some would place the average at 20), that factor alone could place 3,000 non-employed geologists on the job market.

2. Current industry-wide costs per barrel of finding oil may provide quite a shock to many people. Knowledgeable people know that exploration costs have been skyrocketing. Costs for items such as leases, drilling, service companies, seismic shooting, office rent, transportation, and interest on money have in many cases increased faster than geologists’ salaries. Though drilling has increased markedly in number of holes, depths, and expenditure, I hear little outside the Overthrust Belt about truly large discoveries of major reserves. Yet, many deep, expensive, high risk projects with little hope of payout (even if successful) are being drilled. Some knowledgeable people are concerned that current industry-wide finding costs may be higher than the current price less the windfall profits tax. If the 1980 and 1981 industry-wide finding costs are as poor as I fear, it could have a drastic impact on exploration budgets.

3. Stock market performance of oils. Oil stocks have been under considerable pressure. Few can accurately predict the stock market but high finding costs, increasing taxation in some sectors, decreasing foreign crude prices in many areas, decreases in predicted consumption rates and analyst’s willingness to believe stories of current over-supply or “glut” or oil and gas even more than they believed the stories of supply shortages a few years ago could easily depress the market even more. Depressed stock prices could seriously impact exploration expenditures and, therefore, employment.

4. Partnership drilling funds provide the ultimate source for many geologists' salaries, many consultants' client fees, and for prospect evaluation. How many drilling funds will actually ultimately provide tax-sheltered income and how many only a write-off? Bad news always travels faster than good. If the bloom goes off the funds and the cocktail talk in the country clubs changes from "How I made a pile" to "How I lost a bundle in drilling funds" that source of funding would shrink markedly.

None of the above factors is a certainty, yet each is a likely possibility. Discussions with many knowledgeable people whose opinions I value have done little to lessen my concerns. I voice these thoughts because many geologist seem to believe the current situation will continue forever. Many students are now going into geology with firm expectations of steady employment and fantastic salaries. Their record high numbers could exacerbate the situation. Many who would benefit from graduate school are now taking jobs. These young geologists and current students may well be innocent victims of circumstances. In the past those geologists with the better educational foundation and the higher technical and professional skills have always proven better at weathering the storms of employment downturn. I believe that now is the time for AIPG and those geologists truly concerned with their profession to give these possibilities serious consideration. We should begin now to better prepare our members and the profession to weather future storms.
Interest in AIPG membership is running high. Headquarters records as of June 30th showed a total of 218 member applicants being processed. According to the latest tally, 124 of those applicants are still awaiting sponsor letters before their file can go on to Section Screening Committees. If you have been asked to submit a sponsor letter by an applicant for AIPG membership, PLEASE respond promptly. The Number One cause of delay in the processing of an application is sponsors not responding promptly. Receipt of the five sponsor letters should take no longer than 30 days, but frequently takes 60 days or more. Awaiting receipt of a sponsor letter from just one sponsor often delays an application for weeks. Names and addresses of applicants, along with names of their sponsors, are published in THE PROFESSIONAL GEOLOGIST. You are encouraged to review and comment on any application, either favorably or unfavorably. This kind of thorough review of applicants helps AIPG maintain high standards for membership.

Your cooperation in helping to expedite the process will be most sincerely appreciated by applicants and Headquarters alike.

WASHINGTON REPORT

James U. Hamersley
AIPG Washington Counsel

As has become obvious to you, governmental policies in the Executive Branch, i.e. Interior, USGS., have changed regarding the direction of national energy and minerals policies. What is not recognized is the effect upon the entire government. The Congress has picked up the message that there is a need for faster development of national resources in light of governmental regulations.

Nowhere is this seen more clearly than in a bi-partisan resolution introduced in the Congress. The resolution, H J Res 300, introduced June 25, 1981 by Ed Fortythe (R-NJ), is dramatic in scope. A House Joint Resolution expresses the sense of Congress in establishing a particular policy. This Resolution introduces the Energy and Minerals Security Act of 1981. Studying the details of this act shows how strong pressure for change in the status of energy and mineral legislation has become. The bill asks that:

(a) the President order the Secretaries of Interior, Defense, Labor and Agriculture, as well as the EPA Administrator to remove administrative restrictions that are not required by Federal statute or order that impede or constrain leasing and development of energy or strategic mineral resources on Federal lands;

(b) the President also order appropriate agencies to remove all restrictions not required by law or court order that impede exploration and development, production, and processing of fuel and mineral resources not on Federal lands;

(c) Institute policy, by Executive order, providing a national priority for development of resources, including planning for development;

(d) the President compile a list of all statutes or judicial orders that restrain development, and then review these, with recommendations for appropriate action.

As well, the President should order accelerated development of resources, without regulatory delay, for the Alaska National Petroleum Reserve, and the OCS.

It is worth noting this bill because of the strong language. It has 10 co-sponsors, of both parties, and from all sections of the country. The bill should be available by calling your Representative's District Office, or by writing the Clerk, House of Representatives, Washington, D.C. 20515. Ask for a copy of H J Res 300.

The other matter that is interesting is that this year the number of Federal regulations that have been proposed has been reduced by nearly a third and many proposed earlier have been under a process of reconsideration and review. The Federal Register has been thinner, the Congress has introduced far less legislation, and has stressed the review of the effect of previous laws.
# AIPG LEGISLATIVE UPDATE

<table>
<thead>
<tr>
<th>Bill/Sponsor</th>
<th>Description</th>
<th>Status</th>
<th>Comments</th>
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<tbody>
<tr>
<td>S 60</td>
<td>Would establish competitive leasing on all federal lands</td>
<td>Nothing Scheduled</td>
<td>Watt/Administration opposes</td>
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<tr>
<td>Bumpers, D-ARK</td>
<td>National Release legislation</td>
<td></td>
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<tr>
<td>S 842</td>
<td>Fast Track Bill would establish a process for fast approval of energy projects</td>
<td>Nothing scheduled</td>
<td>Administration supports bill</td>
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<tr>
<td>Hayakawa, R-CAL</td>
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<tr>
<td>S 668</td>
<td>Permit unlimited use of Land and Water Fund for restoration of National Park, Forest Wildlife Systems</td>
<td>Defeated in consideration of Appropriations bill</td>
<td>Position rejected in both House and Senate</td>
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<tr>
<td>Jackson, D-WASH</td>
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<tr>
<td>S 910</td>
<td>Deals with methods of improving U.S. positions with regard to strategic minerals, including stockpiling</td>
<td>Hearings held in Senate Armed Services Cmte. 6/18-19; no recommendations yet</td>
<td></td>
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<tr>
<td>McClure, R-IDAHO</td>
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<tr>
<td>S 1338</td>
<td>Appropriations for USGS, Interior</td>
<td>Passes Senate 7/14/81; Conference Committee sometime in August</td>
<td>AIPG position taken; see TPG for Everett testimony</td>
</tr>
<tr>
<td>McClure, R-IDAHO</td>
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<tr>
<td>HR 4035</td>
<td>To facilitate &amp; encourage production of oil from tar sands...</td>
<td>Reported out by full committee</td>
<td>Goes to Senate</td>
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<td>Yates, D-IL</td>
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<tr>
<td>H. R. 3975</td>
<td>To accelerate development of oil shale leases</td>
<td>Pending before full committee (Interior &amp; Insular Affairs)</td>
<td>May be acted upon 7/22/81</td>
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<td>Santini, D-NEV</td>
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<tr>
<td>H. R. 4053</td>
<td>Opens public lands to mineral development using; also national minerals policy bill</td>
<td>No action scheduled before end of 1981; will be considered in 2nd session of 97th Congress</td>
<td>Major bill</td>
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<tr>
<td>Marriott, R-UTAH</td>
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<tr>
<td>H. R. 3364</td>
<td>Provides for removing restrictions that impede or constrain leasing &amp; development of energy &amp; mineral resources</td>
<td></td>
<td>AIPG Legislative Cmte reviewing for recommendations to AIPG</td>
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<td>Santini, D-NEV</td>
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<tr>
<td>H J Res 300</td>
<td>OSM proposes new regulations to give states more flexibility to state surface mining plans</td>
<td>Comments due 7/31/81</td>
<td>Likely to approve; AIPG state sections will need to examine ramifications</td>
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<td>Forsythe, R-NJ</td>
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<tr>
<td>REGULATIONS</td>
<td>Safety and Offshore Oil; comments requested on study of adequacy of existing safety &amp; health regulations and of technology available for development of oil and gas on Outer Continental Shelf</td>
<td>Comments due 9/22/81</td>
<td>AIPG Legislative Cmte will review for recommendations to AIPG</td>
</tr>
</tbody>
</table>
The AGI-Women Geoscientists Committee is again revising the ROSTER OF WOMEN IN THE GEOSCIENCE PROFESSIONS. This will be the third edition; the second was published in 1978. If you are presently employed as a geologist or in a geology-related field, and wish to be included in this edition of the Roster, please complete the enclosed self-mailer form by September 1, 1981.

**CODES (for Specialization)** Use codes in CAPS only when breakdown is inadequate...

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<th>A. EMPLOYMENT CATEGORY:</th>
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<td>Stable isotope</td>
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<td>FOREIGN SURVEYS, ETC.</td>
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<td>SELF EMPLOYED</td>
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<td>RETIRED</td>
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<td>OTHER</td>
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**SOCIETY CODES AND ABBREVIATIONS** Please list positions held in societies after the society.

- American Association for the Advancement of Science (AAAS 400)
- American Association of Petroleum Geo. (AAPG 401)
- American Association of University Wom. (AAUW 402)
- American Astronomical Society (AAS 403)
- American Chemical Society (ACS 404)
- American Crystallographic Assoc. (ACA 405)
- American Geophysical Union (AGU 406)
- American Institute of Mining Metallurgical & Petroleum Engineers (AIME 407)
- American Institute of Professional Geo. (AIPG 408)
- American Physical Society (APS 409)
- Association of American State Geo. (AASG 410)
- Association of Earth Sci. Editors (AESE 411)
- Association of Engineering Geo. (AEG 412)
- Association of Women Geoscientists (AWG 413)
- Association of Women in Science (AWS 414)
- Clay Minerals Society (CMS 415)
- Denver Geophysical Society (DGS 416)
- Geochemical Society (GS 417)
- Geological Association of Canada (GAC 418)
- Geophysical Soc. of Houston (GSH 419)
- Geoscience Information Society (GIS 420)
- Houston Geological Society (HGS 421)
- Meteoritical Society (MS 422)
- Microbeam Analysis Society (MAS 423)
- Mineralogical Association of Canada (MAC 424)
- Mineralogical Society of America (MSA 425)
- National Assoc. of Geology Teachers (NAGT 426)
- National Science Teachers Assoc. (NSTA 427)
- New Orleans Geological Society (NOGS 428)
- New York Academy of Science (NYAS 429)
- Northwest Mining Association (NWA 430)
- Oklahoma City Geological Society (OCGS 431)
- Paleontological Society (PS 432)
- Rocky Mountain Assoc. of Geo. (RMAG 433)
- Rocky Mountain Inst. of Mineral Law (RIML 434)
- Seismological Society of America (SSA 435)
- Society of Economic Geologists (SEG 436)
- Soc. of Econ. Paleontologists & Miner. (SEPM 437)
- Society of Exploration Geophysicists (SxG 438)
- Society of Mining Engineers of AIME (SME 439)
- Society of Petroleum Engineers (SPE 440)
- Society of Vertebrate Paleontologists (SVP 441)
- Society of Women Engineers (SWE 442)
- State Geological Assoc. (State?) (SGA 443)
- Tulsa Geological Society (TGS 444)
- Women in Mining (WIM 445)
- Other ____________________________ (446)
PROFESSIONAL PARAGRAPHS

Miller Confirmed as Assistant Secretary for Energy and Minerals

Former Wyoming State Geologist, Dr. Daniel N. Miller, Jr. CPGS 64, was confirmed as the Assistant Secretary of Interior for Energy and Minerals, on June 19, 1981. The Senate unanimously approved his appointment. In his new job, Miller will oversee the U. S. Geological Survey, the Bureau of Mines, the Office of Surface Mining, and the Office of Minerals Policy and Research Analysis.

For the last 11 years, Miller resided in Laramie where he served the State of Wyoming as the State Geologist and the Executive Director of the Wyoming Geological Survey. In his capacity as State Geologist, Dr. Miller also sat as a Commissioner on the Wyoming Oil and Gas Conservation Commission. Miller was appointed for his first six-year term by former Governor Stanley K. Hathaway. Governor Ed Herschler then reappointed him for a second term and had reappointed him for the third term just before President Reagan chose Miller to replace Joan Davenport as Assistant Secretary of Interior for Energy and Minerals.

Harris Named Recipient of Jefferson Award

AIGP member Ann Harris has been named recipient of the Jefferson Award given to those whose outstanding contributions to the Youngstown, Ohio, community would otherwise go unnoticed.

She is professor of geology at Youngstown State University.

WYTV-7, local sponsor through the American Institute of Public Service in Washington, DC, presented her with a plaque during a noon luncheon recently.

Mrs. Harris was instrumental in investigating a number of open mine shafts that posed a danger and in obtaining funds to safely close them.

Because of her work, Mrs. Harris has been selected by the institute to be one of fourteen who qualify for five national awards.

WYTV, as local sponsor, solicited the names and an independent three-member panel selected Mrs. Harris as one of the winners.

Schultz Named to Weston Post

Weston Geophysical Corporation is pleased to announce that AIGP member, Lane D. Schultz, CPGS 3230, has been appointed Chief Geologist, effective June 1, 1981. Weston Geophysical Corp. specializes in providing geological, hydrogeological, geotechnical, geophysical and seismological services throughout the world.

Dr. Schultz received his Ph.D. in geology from Lehigh University. He had previously been employed by Gilbert Commonwealth, Inc. as their Supervising Geologist.

Glass New Wyoming State Geologist

On June 18th, Governor Ed Herschler appointed Gary B. Glass CPGS 2503, as the State Geologist and Executive Director of the Geological Survey of Wyoming, filling a vacancy left by former State Geologist, Daniel N. Miller, Jr.

Since 1978, Glass has been the Deputy Director for the Wyoming Geological Survey. He was Staff Coal Geologist for the Survey prior to that.

Before coming to Wyoming in 1971, Glass worked for more than five years as a coal geologist with the Pennsylvania Geological Survey in Harrisburg, Pennsylvania. His work with the Pennsylvania Geological Survey was interrupted by three years of active military service (1965-1967).

MOVING? MOVING? MOVING? MOVING?

As professionals, geologists are really "on the go" these days. The shifting among our membership is extensive.

REMEMBER . . . please advise AIGP Headquarters of your new address just as promptly as possible. The mail being what it is, it does take some weeks to update your records. THANK YOU!
Ohio Section

At the June luncheon, Gene Johnson of the Ohio Department of Energy brought us up to date on the oil-shale situation in Ohio. Two companies, Phillips and Pyramid, are interested, especially in the Sunbury shale, which has a relatively high hydrogen content. Phillips' interest centers in Pickaway and Fairfield counties; Pyramid's in Ross, Pike and Adams counties. Tentative plans are to strip-mine and retort the shale. One estimate is that crude oil can be produced for about $8.00 per barrel.

On May 21, about 90 persons attended a U.S.G.S. program on "Well Design and Aquifer Testing: Practical Applications for Water Supply and Ground Water Monitoring" at the Fawcett Center on the OSU campus, Columbus. Three of the five papers were given by AIPG members: Herb Eagon, Dave Johe, and Fred Klaer.

Luncheon meetings of the Ohio Section are held on the third Thursday of every month, at the Steak and Ale Restaurant in northern Columbus. This is on Maize Road, just south of Morse Road, ½ mile east of I-71. Attend if you can!

18th Annual Meeting
American Institute of Professional Geologists
WILLIAMSBURG, VIRGINIA
OCTOBER 21-24, 1981
### STATE REGISTRATION BOARDS

<table>
<thead>
<tr>
<th>State</th>
<th>Address</th>
<th>Phone</th>
</tr>
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</table>
| California | State Board of Registration for Geologists and Geophysicists  
1020 N Street  
Sacramento, CA 95814  
(916) 445-1920 |             |
| Idaho    | Idaho State Board of Registration for Professional Geologists  
P. O. Box 7864  
Boise, ID 83707  
(208) 384-2268 |             |
| Georgia  | Georgia State Board of Registration for Professional Geologists  
166 Pryor Street SW  
Atlanta, GA 30303  
(404) 656-3986 |             |
| Delaware | Delaware State Office Building  
820 French Street - 3rd Level  
Wilmington, DE 19801  
(302) 571-3286 |             |
| Maine    | State Board of Certification for Geologists & Soil Scientists  
Dept. of Business Regulation  
State Office Building  
Augusta, ME 04333 |             |
| Arizona  | Arizona State Board of Technical Registration  
1645 West Jefferson  
Phoenix, AZ 85007 |             |
| Oregon   | Oregon State Board of Geologist Examiners  
4th Floor - Labor & Industries Bldg.  
Salem, OR 97310  
(503) 378-4294 |             |
| Indiana  | Indiana Geological Survey  
Department of Natural Resources  
611 North Walnut Grove  
Bloomington, IN 47401  
(812) 337-2862 |             |
| Alaska   | State Dept. of Alaska  
Dept. of Commerce & Econ. Develop.  
Div. of Occupational Licensing  
Pouch D  
Juneau, AK 99811 |             |

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### Pennsylvania Section

The Pennsylvania Section under the direction of Section President Derek Tatlock has initiated monthly meetings with members giving brief 20 minute talks on current projects, geological trips, or any subject that might be of interest. These luncheons are held the second Wednesday of each month at The Engineers Club located in the William Penn Hotel in downtown Pittsburgh. Attendance has increased to 20 to 25 members and guests. Speakers to date this year include Alan Jacobs - D'Appalonia, Peg Briggs - Geomega, George Gardner - GAI and Kent Bushnell - Slippery Rock College.

Derek Tatlock, CPGS 1471, Section President, has recently been appointed as Appalachian Division Manager for Templeton Energy Inc. located at Robinson Plaza 2, Suite 200, Pittsburgh, PA 15205. (412) 787-2780.

James Wolfgang, CPGS 1545, is now employed as senior geologist for Templeton Energy, Inc.

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### West Virginia Section

Dudley H. Cardwell CPGS 2999 has been presented with a plaque naming him to honorary membership in the Appalachian Geological Society. Larry D. Woodfork, CPGS 2370, the Society's delegate to the American Association of Petroleum Geologists, made the presentation to Dudley recently.

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### FOUNDATION DESIGN COURSE NOV. 9-13

The University of Missouri-Rolla will hold this course. It will review fundamental soil properties and progress to the elements of design of deep foundations: bearing capacity, shaft-soil friction and adhesion, consolidation settlements and settlements of granular soils stressed by piles and piers. Design of piles and piers in sand and in clay will be covered. Workshop sessions are included, and proprietary deep foundations systems will be discussed. Fee $650. For additional information contact: Dr. Norbert O. Schmidt, Professor of Civil Engineering, University of Missouri-Rolla, MO 65401. (314) 341-4473 or 4200.
NEW PUBLICATIONS

Mineral Consumption Problems

In his chapter on mineral resource estimates and public policy, Dr. Vincent E. McKelvey, former director of the USGS, now retired, describes the magnitude of the United States' mineral supply and consumption problem. "...in attaining our high level of living in the United States, we have used more minerals and mineral fuels during the last 30 years than all the people of the world used previously," McKelvey said. "This enormous consumption will now have to be doubled just to meet the needs of people now living in the United States through the remainder of their lifetime, to say nothing about the needs of succeeding generations, or the increased consumption that will have to take place in the lesser developed countries if they are to attain a similar level of living."

The report, titled UNITED STATES MINERAL RESOURCES, and published as USGS Professional Paper 820, may be purchased for $17.00 from the U. S. Geological Survey, Branch of Distribution, 804 South Pickett St., Alexandria, VA 22304 and over the counter at USGS Public Inquiries Offices.

Commodities Assessed

A 722-page report that assesses more than 60 mineral and energy commodities in the United States and describes the importance, availability and possible future sources of each commodity, has been reprinted and is again available from the U. S. Geological Survey, Department of the Interior.

The report was written by USGS scientists with nearly 2,300 person-years of experience in the geology of mineral resources. The report, compiled in 1972 and published in 1973 as part of Interior's response to the Mining and Mineral Policy Act of 1970, is now being reprinted for the third time.

Report on Alabama Gold

A useful and informative report on Alabama Gold has been published by the Geological Survey of Alabama. The spectacular rise in the price of gold has created renewed interest in the old gold fields of Alabama.

Circular 104, ALABAMA GOLD, was written by Thomas A. Simpson and Thornton L. Neathery and is amply illustrated. This report contains information on gold occurrences in the state, methods of extraction and recovery, mining practices and references on literature pertaining to gold mining in general. Single copies of ALABAMA GOLD sell for $3.50 plus $.50 postage and handling charge and may be obtained from Publications Sales, Geological Survey of Alabama, Drawer O, University, AL 35486.

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MEETING DATES TO NOTE


Sept. 20-22, 1981 Mid-Continent Section, American Association of Petroleum Geologists, ann. mtg. Oklahoma City. (James W. Cammack, 1500 City National Bank Tower, Oklahoma City, 73102. Phone: (405) 232-3721)


ANTON L. HALES SYMPOSIUM
On Some Recent Advances in Geophysics
Sponsored by Geosciences Program
The University of Texas at Dallas
2601 North Floyd Road
Richardson, TX

The symposium will begin on Monday, October 5, 1981, at 8:30 a.m., and conclude on Tuesday, October 6, 1981, at approximately 4 p.m. It will be held in the Conference Center, on the University of Texas at Dallas campus, Floyd Road, Richardson, Texas.

For further information write: Geosciences Program, The University of Texas at Dallas, P. O. Box 698, Richardson, TX 75080.

THE IMPACT OF CONTRACT CONDITIONS ON PROFESSIONAL LIABILITY EXPOSURE will be featured discussion topic at the forthcoming Association of Soil and Foundation Engineers (ASFE) Loss Prevention Seminar, Tuesday, October 13, 1981, at the Newporter Inn, Newport Beach, California. For more information call (301) 565-2733.

A two-part conference on WATER AND ENERGY: TECHNICAL AND POLICY ISSUES will be held in the late spring of 1982. The Eastern Conference will be held in Pittsburgh, Pennsylvania, May 23-26, 1982, and the Western Conference in Fort Collins, Colorado, June 27-30, 1982. The conference will be sponsored by the American Society of Civil Engineers in cooperation with the League of Women Voters and the Council of State Governments, with participation by government agencies and other technical organizations interested in the program subject.

Abstracts (200 to 400 words) should be sent by September 1, 1981, to:

For Eastern Conference
Fritz Kilpatrick
U. S. Geological Survey
National Center, Mail Stop 414
Reston, VA 22092
(703) 860-6848

For Western Conference
Don Matchett
Stone & Webster Engineering Corp.
P. O. Box 5406
Denver, CO 80217
(303) 770-7700 Ext. 2244

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