MEMBERSHIP GROWING AT RECORD PACE

By
Susan M. Landon
Chairman
Membership Committee

More than six months have passed since I encouraged all A.I.P.G. members to assist our committee in meeting our goal of increasing membership (TPG, January 1981). I would like to report our present status to the Executive Committee and the membership of A.I.P.G.

Historically, A.I.P.G. has had two major periods of growth as shown in Figure 1. Initial growth of the new organization was strong but reached a plateau which lasted until 1975. During 1975, several factors resulted in a second period of healthy growth. At that time, A.I.P.G., A.A.P.G., A.E.G., and S.E.G. developed a reciprocal agreement allowing full members to be "grandfathered." Also, the political sphere created several situations that made a professional organization more critical to geologists (Continued on page 6...)

FIGURE 1
NEW MEMBERS
FRAZIER, Samuel Bowman #4940
7511 Marbury Road
Bethesda, MD 20034

MCKOSKY, John Alan #4941
3416 Hyman Place
New Orleans, LA 70114

MALONE, Philip Garcon #4942
705 Santa Rosa Drive
Vicksburg, MS 39180

NICCOLI, Mary Ann #4943
4558 W. Laurie Lane
Glendale, AZ 85307

SMITH, Jeffrey William #4944
424 Truxtun Avenue
Bakersfield, CA 93301

ASSOCIATES APPROVED
BEYNON, Barbara Elizabeth #A-131
P. O. Box 1396
Houston, TX 77001

FINDLE, Patrick Michael #A-132
R. D. 4, Cotton Road
Meadville, PA 16335

GREENWALT, Jeffery Curtis #A-133
719 Hemlock Square
Zelienople, PA 16063

REYNOLDS, Douglas Wade, Jr. #A-134
2528 Needles Court
Owensboro, KY 42301

ZIMMERMAN, Robert Edward #A-135
176 Rhodes Avenue
Akron, OH 44302

RETURN YOUR BALLOT TODAY!

An official ballot for the election of 1982 AIPG Officers was included with your copy of the June TPG, prepared as a self-mailer fold-and-seal envelope.

If you have not as yet marked and returned your ballot, please do so now. Your vote must be received at Headquarters by September 21, 1981.

A Tellers Committee, to be appointed shortly by President John Rold, will count the ballots and certify the results. An announcement of the new slate will then be made.

APPLICATIONS RECEIVED
ARDEN, Michael P.; 14119 Buckingham Lane, Tomball, TX 77375. Sponsors: C. Noll, Jr., R. Dutcher, C. Tyser, H. Weaver, F. Smith.


BERG, Robert J.; Box 140B, Route #1, Augusta, KS 67208. Sponsors: C. Cries, C. Atkins, Jr., R. Frenesly, O. Howell, D. Malone

BROWN, Carl, R. L.; 4612 Navajo Avenue, Tampa, FL 33617. Sponsors: S. Upchurch, J. Bunch, J. Williams, M. Stewart, M. Gurr


FISHER, Russell A.; P. O. Box 1272, Beeville, TX 78102. Sponsors: J. Bemis, E. Oakes, F. Busche, W. Kube, H. Straw.


SCHOLZ, Garry L.; RR1, Box 97, Chancellor, SD 57015. Sponsors: D. Carr, H. Murray, D. Levandowski, C. Ault, D. Crom.


If any Member has any recommendation, positive or negative, regarding the qualifications of any of the above applicants, please mail your comments to Headquarters within 30 days. Your comments will be held confidential within the Section Screening Board and Executive Committee.
Pennsylvania Section
Our monthly luncheons, followed by an Executive Committee Meeting at the Engineers Club at the William Penn Hotel in Pittsburgh, have proved successful this year. It was not unusual to have 20 to 25 members and guests in attendance. The enthusiasm was due in part to short talks by members on current projects, field trips, and other subjects of a geological nature. Speakers included Alan Jacobs, Pete Briggs, George Gardner, and Kent Bushniss. Many thanks to those people for adding a spark to our meetings. The luncheons, except for Executive Committee meetings, have recessed for the summer, but will resume in October. Next fall, please join us the second Wednesday of each month at the Engineers Club in the William Penn Hotel. Members from out of town should keep this in mind should they be in Pittsburgh the day of the meetings.

The Annual Section Picnic will be held September 13, 1981 (Sunday), Noon until dark, in the picnic grove adjacent to Lakeside Restaurant on the north shore of Lake Arthur at Moraine State Park. This park is about 42 miles north of Pittsburgh off I-79. Each family should bring a covered dish, either a vegetable or salad. AIPG will provide hamburgers and hot dogs with all the trimmings and beverages. Bring your boat (with PFD - personal flotation devices) and other recreational equipment. Maybe we can play some softball.

Ohio Section
We welcome two new members:
YORAM ECKSTEIN, CPG 4878, who teaches geochemistry in the Dept. of Geology, Kent State U., Kent, OH 44242; (216) 672-2346.

BRUCE D. HULMAN, CPG, 4880, is a groundwater hydrologist with Price Brothers in Dayton; (513) 226-8810.

Some notes about our Section Members:
JOHN B. CURTIS, CPG 4717, is with Columbia Gas System Service Corp., 1600 Dublin Road, P. O. Box 2318, Columbus, OH 43216. (614) 486-3681.

DAVID M. ERICKSON, CPG 3520, has recently moved to Ohio from Massachusetts. He is with The Ranney Company, 2 North State Street, P. O. Box 72, Westerville, OH 43081. (614) 882-3104.

W. M. (MACK) HENNINGTON, CPG 2902, has moved to Houston.

DENNIS N. HULL, A-99, is with the Ohio Division of Geological Survey, Fountain Square, Bldg. B., Columbus, OH 43224. (614) 466-5344.

FRED H. KLAER, JR., CPG 75, has a new address: Fred H. Klaer & Associates, 4620 Indianola Ave., P. O. Box 14307, Columbus, OH 43214. (614) 262-0468.

RICHARD A. STRUBLE, CPG 2790, has left the Ohio Division of Geological Survey to join Tetra Tech, Inc. as senior geologist. He is at 6660 Doubletree Ave., Columbus, OH 43229. (614) 885-4179.

EARL G. TARR, CPG 823, is now chief geologist with The Appalachian Co. at 500 West Wilson Bridge Road, Worthington, OH 43085. (614) 885-5175.

New Sections Being Formed
A strong and much-needed effort is underway to establish organized AIPG Sections covering those States where such Sections are not presently in place.

Headquarters recently wrote to all Members in "Other States" soliciting volunteers to take on the task of getting a formal Section organized in their area.

Response to the letter has been excellent... according to the feedback, those members do want an organized AIPG Section in their State.

As a necessary first step, a follow-up mailing has gone out asking Members to read the proposed Section Bylaws and then complete, sign and return the new Section "PETITION" form.

A "working" committee of motivated AIPG Members in each area is now being formed and an interim President-elect and Secretary-Treasurer-elect will be named shortly. Then an organizational meeting, to which all Members in the area will be invited, will be arranged and announced.

Volunteer leadership has stepped forward to assist in the formation of Sections covering the unorganized States of Hawaii, Washington, Nebraska, Nevada, Maryland, Delaware, Idaho, Georgia, and the District of Columbia.

Still to be heard from are Members who will help organize Arkansas, and Iowa Sections. If you are willing to help, please contact AIPG Executive Director Vic Tannehill.

Section Newsletter Exchange Set Up
Nearly all AIPG Sections publish Newsletters on a periodic basis and mail them to their Members. Although these publications vary from plain to fancy, all are interesting and informative and do a good job - thanks to their respective volunteer editors - of communicating.

To help the timely flow of information between Sections, AIPG Headquarters has established a Central Newsletter Exchange Program. Under this new arrangement, all Sections that produce Newsletters send 40 copies of each issue to the Institute office for sharing with the other Sections around the Country.
COMMITTEES VITAL TO SUCCESS

Active, functioning committees of Institute Members - with a worthwhile, clearly defined, achievable purpose - are essential to AIPG’s success as a professional organization. Not only do these committees provide the Institute with a valuable source of expertise (which could hardly be obtained in any other way) they also afford participating Members a unique opportunity to share ideas and experiences ... and to learn from each other.

According to the AIPG Bylaws, the mandated "standing" committees are: Awards Committee, Employee's Retirement Fund Trustees, Ethics Committee, Legislative and Regulatory Committee, Membership Committee, and Professional Employment Standards Committee.

In addition, the President may - and frequently does - appoint "Ad Hoc" Committees as needed, "to study the assignment as directed by the Executive Committee and with instructions to make a report, or reports, at specific intervals or within a specific time."

Chairmen of most 1981 AIPG Committees are listed on Pages 8-9 of your Membership Directory. The following are Chairmen of additional Institute Committees not listed:

ABUSE OF GEOLOGICAL DATA COMMITTEE
Chairman: Mr. James Dunn
5 Northway Lane North
Latham, NY 12110
Office: (518) 783-8102
Home: (518) 674-5560

ACCESS TO PUBLIC LANDS COMMITTEE
Chairman: Mr. A. Gordon Everett
203 Dale Drive
Rockville, MD 20850
Office: (301) 279-2606
Home: (301) 762-5156

FINANCE COMMITTEE
Chairman: Mr. William A. Newton
20 Wedge Way
Littleton, CO 80123
Office: (303) 794-7474
Home: (303) 794-7474

CONSTITUTION & BYLAWS COMMITTEE
Chairman: Mr. David L. Gross
615 E. Peabody Dr.
Illinois State Geological Survey
Champaign, IL 61820
Office: (217) 344-1481
Home: (217) 359-3777

HEADQUARTERS ADVISORY COMMITTEE
Chairman: Mr. M. Dean Kleinkopf
MS 964, USGS
P. O. Box 15048 Federal Center
Denver, CO 80225
Office: (303) 234-2695
Home: (303) 986-9688

CONSULTANTS DIRECTORY COMMITTEE
Chairman: Mr. Willard G. Owens
4405 West 29th Avenue
Denver, CO 80212
Office: (303) 433-7331
Home: (303) 423-8901

HAZARDOUS WASTE COMMITTEE
Chairman: Mr. Jeff Hynes
2280 Birch Street
Denver, CO 80207
Office: (303) 866-2611
Home: (303) 321-6996

GROUNDWATER POSITION PAPER COMMITTEE
Chairman: Mr. Russell G. Slayback
4 Increase Lane
Green Farms, CT 06436
Office: (203) 762-1207
Home: (203) 253-2950

-5-
STRENGTHENING THE GEOLOGIC PROFESSION THROUGH PUBLIC RELATIONS

By Ruth Anna
AIPG Public Relations Coordinator

Public Relations Defined:

"Public relations is a distinctive management function which helps establish and maintain mutual lines of communication, understanding, acceptance, and cooperation between an organization and its publics; involves the management of problems or issues; helps management to keep informed on and responsive to public opinion; defines and emphasizes the responsibility of management to serve the public interest; helps management change, serving as an early warning system to help anticipate trends; and uses research and sound and ethical communication techniques as its principal tools."

--Rex Harlow

Most successful businesses and many of the professions recognize the need for and the benefits from an aggressive public relations program. Regretably geological scientists as a profession seldom see the need or reap the benefits. As a profession we are terribly introverted. When times are good we readily accept erroneous images; when they are bad we suffer in silence or complain to each other. Neither action benefits the profession.

Public relations must become a part of every AIPG activity and function. It is a continuous, never-ending task. Good public relations is especially vital to AIPG because we represent our profession to all the publics we come in contact with. Most importantly, public relations is the process of effective communication with every group that may have an impact on our profession. AIPG is obligated to inform the public on geologic matters and to alert the public to the importance of geology in their daily lives.

Unless AIPG can convince its members of the value and urgency of its objectives and its programs, and of the need for finances, manpower and ideas, we are doomed to fail. Our three main communication functions must be: to inform; to persuade; and to initiate action. Failure to accomplish any of these will mean AIPG is not fulfilling its responsibility to represent and lead its members effectively.

An effective public relations program will assist AIPG when:

1. Evaluating changes in public opinion that may affect the welfare and interests of our members.
2. Keeping our members apprised of the significant character of such changes.
3. Apprising our members of governmental actions and social and economic developments affecting their working environment.
4. Planning and executing programs aimed at helping members to meet or adjust to such changes so that each member will, in turn, better serve the public while maintaining the public's confidence and respect.

In carrying out a public relations program several vehicles may be utilized: newspapers, magazines, radio, television, speakers' bureau, newsletters, and other correspondence. Each of these mechanisms will be featured in subsequent TPG articles and are covered in detail in the Public Relations Professional Guides and Practices available from national headquarters in the near future.

WHAT'S A GEOLOGIST?

The GSA Employment Forum pamphlet states that there are about 31,000 "geologists" in the United States. It uses a quite restrictive definition, namely the Office of Personnel Management's (formerly Civil Service Commission) X-118 Qualification Standards which state that basic requirements for geologists are:

"A full 4-year or longer curriculum in an accredited college or university leading to a bachelor's degree. The course must have included 30 semester hours in geology, including geomorphology, structural geology, mineralogy, petrology, paleontology, and stratigraphy; and 20 semester hours in any combination of mathematics physics, chemistry, biological science, engineering and pertinent related sciences such as geophysics, meteorology, hydrology, and oceanography."

Less restrictive definitions of "geologist" may include anyone with a Bachelor's degree in geology; anyone working as a geologist although the Bachelor's degree may be in an allied field, such as geophysics, engineering, etc.; anyone working as a geologist who may have had a number of courses in geology but no formal degree in anything . . . Many other definitions are also possible.

The X-118 classification standard for geologist is currently in the process of revision and updating.
MAKE INPUT ON APPOINTMENTS

In all fifty States, the Governor has the political right to appoint people that will; first, help his administration; and, secondly, help the State and Nation as a whole.

The States will vary on names and types of boards, commissions, etc., that they have. But nonetheless, these groups often run the State. Past legislative actions put laws on the books that the Governor must follow. This is especially true when a law states there must be so many of each party on a commission.

The present national trend has been for liberal Governors to appoint amateurs, laymen and women to these boards. This philosophy has made it very difficult to get professionals, such as geologists, on boards in California, Colorado and probably elsewhere. I hope this attitude has nearly run its course. I believe it is up to us professionals to now see that we get professionals appointed on professional boards.

Our best hope is to work where there is the best chance for success. This usually will be on boards where the law states that so many professions must be on that board.

Geologists as a group, by individual attitude, by training and by experience, are not very civic minded (engineers are even worse). But as W. O. Turner recently pointed out, we must start with a very few individuals who show even a faint spark of interest in civic affairs. We then convince one to have his name submitted to the Governor — for, let us say, the Oil and Gas Board.

There are three main types of appointments, (1) those who serve at the Governor’s pleasure (normally heads of departments, etc.); (2) those part-time-only appointments for fixed terms (this is most often the case on boards); and, (3) those who are appointed but go on State civil service status (this would be such as the Director of the Geological Survey).

Each Governor, acting within the constraints of his State, will proceed differently. In Colorado, Governor Lamm instituted a system on appointments which is: His staff makes a complete list of all appointments he has to make. They have a separate list for each six months. They mail this to me automatically (because I asked for it). Then I publish the list of the appointments geologists can fill in our AIPG Colorado Communicator. I also announce this at the many geological meetings that I go to.

I get maybe ten inquiries during the year from geologists. But as I say, it is very difficult to convince Governor Lamm to appoint geologists. We still continue to try.

No one asks you for advice about appointments unless you first let them know you exist and are willing to help. The very least your Section can do is to let each new Governor know you exist. Take every opportunity to write the Governor and say you are willing to help on geological matters. You should at least give a copy of our AIPG National Directory to the Governor. Our office will give you a copy.

It would help most of all if one or more of your geologists would sign up as a Registered Lobbyist for your Section. In Colorado, this is my fourteenth consecutive year. It takes me about three minutes to sign up as a non-paid lobbyist. It costs me nothing — except, about $5.00 the first year for my “true blue” lobbyists badge.

Also, there are many lobbying groups in your State that may agree to inform you of legislation that directly affects geology. Many States publish a list of lobbyists and who they represent. State legislatures could not run without the information input from lobbyists.

As of June 10, 1981, of the 28 AIPG Sections, only seven had taken a moment to reply to my memo of May 7th. Of those only four have tried and only three have had any geologist appointed recently.

If you do not try you do not succeed.

Ray Robeck, Chairman
External Appointments Committee

WASHINGTON REPORT

James U. Hamersley
AIPG Washington Counsel

Congress has now left for a one-month recess and the bulk of activities on the Washington scene are focused upon regulations. The Commerce Department has compiled a list of the twenty most burdensome regulations, and the Reagan administration has been working to review many of them. Those that affect geologists, either directly or indirectly include:

- Hazardous waste management rules that set up a nationwide system for classifying and handling hazardous products. Costs estimated by business at $4 billion initially and $2 billion annually after that.
- Licensing requirements for nuclear power plants. Costs range from several hundred million dollars per reactor to more than $1 billion.
- Notification and testing requirements for new chemical substances under the Toxic Substances Control Act.
- Incremental pricing of natural gas to most interstate industrial gas users, which forces large industrial users of gas to pay more than residential users.
- Coal conversion guidelines that require large industries to switch from oil and natural gas to coal or an alternative fuel. Cost estimates: over $1 billion annually.
- Various standards and regulations applied to mining companies under the Mine Safety and Health Act.

Now that the budget and tax issues are completed, the Congress will resume its session for two more months. Among items to be considered that will affect AIPG members will be Oil Shale and Tar Sands legislation; on-shore public lands oil and gas leasing; and geothermal exploration and development on public lands.
## 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 Bumpers, D-ARK</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>S 842 Hayakawa, R-CAL</td>
<td>National Release legislation</td>
<td>Public Land Subcmte (Sen. Energy); Sen. Agriculture also to hold hearings before end of 1981</td>
<td>Administration supports bill</td>
</tr>
<tr>
<td>HR 4047 Huchaby, D-LA</td>
<td>Companion to S 842</td>
<td>Nothing scheduled</td>
<td>Has some minor modifications scheduled by Administration</td>
</tr>
<tr>
<td>S 668 Jackson, D-WASH</td>
<td>Fast Track Bill would establish a process for fast approval of energy projects</td>
<td>Nothing scheduled</td>
<td></td>
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<tr>
<td>S 910 McClure, R-IDaho</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>S 1338 McClure, R-IDaho</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>HR 4035 Yates, D-IL</td>
<td>Appropriations for USGS, Interior</td>
<td>Now set for Senate action in September. Conference committee deciding changes.</td>
<td>AIPG position taken; see TPG for Everett testimony</td>
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<tr>
<td>H. R. 3975 Santini, D-NEV</td>
<td>To facilitate &amp; encourage production of oil from tar sands</td>
<td>House approved 417-0 7/14/81</td>
<td>Goes to Senate</td>
</tr>
<tr>
<td>H. R. 4052 Marriott, R-Utah Santini, D-NEV</td>
<td>To accelerate development of oil shale leases</td>
<td>House approved 7/14/81</td>
<td>Goes to Senate</td>
</tr>
<tr>
<td>H. R. 3364 Santini, D-NEV</td>
<td>Opens public lands to mineral development; 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>H J Res 300 Forsythe, R-NJ</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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</table>

### REGULATIONS

Geological Survey, Dept. of Interior | Safety and Offshore Oil; comments requested on study of adequacy of existing safety & health regulations and of technology available for development of oil and gas on Outer Continental Shelf | Comments due 9/22/81 | AIPG Legislative Cmte will review for recommendations to AIPG |
ADVERTISING FOR TPG AND DIRECTORY BEING ACCEPTED

Advertising in the 1982 AIPG Membership Directory and in future issues of The Professional Geologist is now being sought and accepted.

Headquarters has made a promotional mailing to over 2,000 potential business advertisers to acquaint them with the advertising possibilities and potential of the two AIPG publications.

Individuals, including AIPG Members, are also urged to consider the Directory and TPG as worthwhile advertising media.

Rates and specifications are:

**THE PROFESSIONAL GEOLOGIST**

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1982 A.I.P.G. DIRECTORY

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For more information, contact Executive Director Vic Tannehill.

FOUNDATION SEeks CONTRIBUTIONS

With publication and distribution of its "Metals" booklet, The A.I.P.G. Foundation has launched its first major project. Other ideas for Foundation activities are currently under consideration.

Officers of the Foundation for 1981 are:

President: James R. Dunn
5 Northway Lane North
Latham, NY 12110

Vice President: John W. Reid
1313 Sherman Street
Suite 715
Denver, CO 80203

Secretary-Treasurer: Edward E. Rue
P. O. Drawer 647
Mt. Vernon, IL 62864

Executive Director: Victor C. Tannehill
P. O. Box 957
Golden, CO 80401

Money is needed now to fund several worthwhile Foundation efforts. Won't you please give today? When you contribute to The A.I.P.G. Foundation you are making a long-term investment that will pay dividends to your profession...and to yourself.

The Foundation is beginning to realize its potential. You can help it grow. Your tax-deductible contribution to the Foundation may be in honor of a friend, a family member or a professional associate. And, don't forget to ask your employer to match your gift.

Checks should be made payable to The A.I.P.G. Foundation and mailed to P. O. Box 957, Golden, Colorado 80401.

LARGER MEMBERSHIP PLAQUE NOW AVAILABLE

In response to many requests from Members certified prior to January 1, 1976, Headquarters has ordered and is now stocking a 12" x 15" walnut wall plaque with Plexiglas protective covering.

Designed to mount the larger (and older) AIPG Membership Certificates that measure 10½" x 13", the plaques are satin-finish walnut of excellent quality. Cost is $32.50 postpaid. Orders can be placed with Headquarters for immediate shipment.

A similar walnut wall plaque 10½" x 13" for the smaller 8½" x 11" AIPG Membership Certificates continue to be available. They can likewise be ordered from Headquarters at a cost of $25.00 postpaid.

MISPLACED MEMBERS

Mr. Joseph Riccio
Last known address:
3934 San Andreas
Las Vegas, NV 89121

Clinton Q. Miller
Last known address:
P. O. Box 3842
Shreveport, LA 71103

Terry S. Maley
Last known address:
48 Horizon Drive
Boise, ID 83702
Continued from front page...

(i.e. the registration controversy in many states). As of July 31, 1981, A.I.P.G. had a grand total of 3,912 Active and Retired Members and Associates and, hopefully, we are again beginning a period of active growth.

Figure 2 is a comparison of the membership statistics for the first and second halves of 1980 with the first half of 1981. The unshaded columns reflect the number of new applications for membership received during these three time periods. This number is the best yardstick to measure the success of our "membership drive", and we have been successful in increasing the numbers of new applicants. The number of applications received during the first half of 1981 is 70% higher than the number received in the first half of 1980. The second set of columns in the stippled pattern displayed on the graph represent the actual number of new members accepted by A.I.P.G. The apparent decrease in the first half of 1981 is a reflection of the reorganization process that has occurred at the headquarters office. During this period our process for approving new members was not efficient. Vic Tannehill, our Executive Director, has assured me that this process has been improved and is at present operating at a more efficient level than in past years. I believe that the number of new members approved during the second half of 1981 will reflect both the increased efficiency and the increased number of new applicants.

Geographically, our membership is widespread and Figure 3 shows both States and Sections and membership totals as of July 31, 1981. As one might expect, our largest number of members are in Texas, Colorado, and California. Figure 4 shows the number of new applications received on a Section by Section (or State) basis. The histogram compares both total new applications received and growth rates for the first seven months of 1981. To determine the growth rate, I divided the number of applications received from a Section by the number of current members divided by 100:

$$\text{GROWTH RATE} = \frac{\text{Number of Applicants}}{\text{Total Members}} \times 100$$

The highest number of applicants from a Section was 36 from Texas, which has the largest number of members. But the growth rate during this time is only 3.7%. The Michigan Section yielded 5 new applicants for a growth rate of 18.5% (based on a membership of 27). Each of us can interpret this graph in our own way, but I do feel that Sections such as California, Colorado, Louisiana, and Texas could do better at generating new applicants for membership. Everyone should keep up the hard work.
FIGURE 3  
GEOGRAPHIC DISTRIBUTION OF A.I.P.G. MEMBERS

FOREIGN 112
ALASKA 33
HAWAII 6
SECTIONS INDICATED BY PATTERNS

FIGURE 4  
TOTAL NEW APPLICATIONS  
GROWTH RATE%
MEMBERSHIP APPLICATIONS RECEIVED IN 1991 THRU JULY 23, 1991 AS DISTRIBUTED BY STATE OR SECTION (S) INDICATES ACTIVE SECTION
EDUCATION AND AIPG

By John W. Rold
AIPG President

To me one of AIPG's greatest shortcomings has been its inability to enlist the active support of large numbers of the academic community in the activities of the Institute. Paradoxically many of the acknowledged leaders of academia have been very active and dedicated to AIPG. Looking over the roster of the past Executive Committees I note that seldom have there been less than two academicians on the Executive Committee. Six of our seventeen presidents were from the academic community. Those officers certainly should adequately represent the viewpoints and interests of educators. The current and past Executive Committees have been acutely aware of the importance of education to the profession and deeply concerned with the growing problems facing geological education. My addressing the question should be of no surprise. Salaries, finances, work load, inadequate space and equipment, personnel turnover, and even the education of future educators are only part of the litany of horrors which threaten the very root stock of our profession.

Our current question should be, "How can AIPG best aid in solving those problems?". In the past we had a Cooperative Evaluations Committee who upon invitation visited and evaluated geology departments. It provided a meaningful service to many departments who were interested in improving themselves by correcting the weaknesses or deficiencies determined by an outside professional group's evaluation. Others, however, reacted defensively to the evaluation as if it were criticism. In the past several years invitations for evaluation dwindled and the committee was restructured and renamed the "Educational Standards Committee".

This year the committee under Chairman Dick Winar was redirected away from "standards" toward the "problems" of education. Following several letters from and discussions with educators, I asked the committee to "delineate, evaluate and prioritize the problems of geologic education and determine what role AIPG could and should play in helping to solve or mitigate those problems".

Believing that department heads who wrestle the problems every day should be the most knowledgeable about the problems, the committee decided to seek their advice. It devised a questionnaire to probe those problem areas. After several drastic revisions and a trial run with a selected group of our own members in the academic community, the questionnaire was finalized and sent to all 484 geoscience departments listed in the AGI Directory. The 10-page detailed questionnaire, which requires one to two hours to complete, probes the situation in considerable depth. The 180 responses to date have been extremely gratifying. After a followup request, and a return to the normal fall academic schedule, many more will be received.

Hopefully the results of the questionnaire when tabulated and evaluated will define the magnitude and variety of problems and suggest what role, if any, AIPG should follow in their solution and mitigation. At the very least they will provide considerable food for professional thought.

This may well provide a mechanism for AIPG to help to improve the educational aspect of our profession and provide better liaison with academia, but what can we as individual geologists and State Sections do now to improve the situation?

Several avenues occur to me. As you consider your local situations and specific problems several others may arise.

1. Cultivate an awareness of the special problems of geological education and of those institutions and geologists who are responsible for that education in your particular area. Possibly a meeting of your Executive Committee with department heads and academic leaders in your area could initiate a fruitful dialogue and liaison.

2. Invite professors to speak to Section meetings about their unique problems. Conversely, offer to suggest or furnish experienced speakers or lecturers who might provide an additional or different perspective to students in certain classes.

3. Actively recruit professors as new Members. Few will argue with our constitutional purposes, but their definition of "professional" and professional activities may differ from yours. The more professors in our ranks, the better their representation and the greater certainty their problems will be understood and addressed by an organization designed to attack professional problems. (Approximately 9% of our Members are professors.)

4. Insure that professors who are now Members are considered for committee assignments and nominations to office.

5. Sponsor students and professors on field trips and to professional or scientific meetings.

6. Recognize and reward outstanding students and professors in your area.

Geology departments are truly the spawning ground of the profession. Today's students are tomorrow's professionals. Anyone who doubts the seriousness of their growing problems needs only a short discussion with a knowledgeable educator to dispel those doubts. As individual geologists and as an Institute whose purpose is to improve, enhance and strengthen the profession, we must come to grips with our educational problems.
AIPG Foundation Produces "Metals" Publication

The Colorado Section of AIPG published this booklet originally as a special issue of The Colorado Communicator in September, 1980. The brochure was a joint effort by many Colorado Section AIPG members along with a few non-members. Representatives from industry, academia and consulting were instrumental in the preparation of the issue. Patricia Petty, editor of the Colorado School of Mines "MINES" magazine, was editor.

Following months of effort on the part of many, "Metals" has now been modified, updated and expanded and printed as a project of The A.I.P.G. Foundation.

The publication is being mailed to all members. It will also be distributed to U. S. Senators and Representatives, in addition to the directors of state geological surveys, mining personnel, governors, state officials, educational institutions with geological and/or mining departments and others.

It is expected that orders for copies will be received from mining organizations, industry, colleges and universities, governmental agencies, newspapers, professional groups, AIPG Sections, consultants, realtors, educators and private non-associated citizens. Requests have already been made for permission to quote material from the Metals issue on television and in various publications.

46th Annual Field Conference of Pennsylvania Geologists

On October 1-3, 1981, the 46th Annual Field Conference of Pennsylvania Geologists will be studying the general geology of Tioga and Bradford counties. The host inn will be the Penn-Wells in Wellsboro, PA. Dr. Tom Berg, Pennsylvania Geologic Survey, assures us there will be something of interest for everybody.

Ground Water Monitoring Review

Cooperative efforts between AIPG and the Water Well Journal Publishing Company will result in each member's receipt of a complimentary copy of the fall issue of GROUND WATER MONITORING REVIEW. The material should be of interest not only to ground-water geologists but to any geologist whose activities might impact ground-water quality and therefore require monitoring. Costs of labels and mailing are borne by Ground Water Monitoring Review, a new publishing venture of National Water Well Associates.

Last January the Executive Committee of AIPG approved the Groundwater Technology Division of NWWA as a qualifying scientific society for AIPG membership. We recently utilized their membership labels for a direct mailing of informational material concerning AIPG.

Atlantic Richfield Names Sloss To Science Advisory Council

Atlantic Richfield Company has named AIPG Member L. L. Sloss, CPGS 1546, and seven other noted scientists to its newly formed Science Advisory Council.

They will join Dr. Philip Handler, former president of the National Academy of Sciences, who was named chairman of the Council.

As previously announced by William F. Kieschnick, president of Atlantic Richfield, the Science Advisory Council will advise company scientists and management on emerging and future technologies that might create opportunity or risk for the company and its customers or other publics.

The group's introductory meeting with Atlantic Richfield management and the company's internal Technology Council will be held in the near future at the new ARCO Chemical Company Research and Engineering Center, Newtown Square, PA.

Field Trip, AIPG National Meeting October 24th

The field trip scheduled for Saturday, October 24, 1981, at the 18th Annual Meeting in Williamsburg, Virginia, will travel through the Virginia Coastal Plain. Late Cenozoic geology of the York-James Peninsula around Williamsburg will be featured.

Leaders of the 8 A.M. to 5 P.M. field trip are: Dr. G. H. Johnson, College of William and Mary, and C. R. Berquist, Jr., Virginia Division of Mineral Resources. Topics to be highlighted by trip leaders will be:

Fluvial-estuarine sediments of the ancestral James River. Intertidal deposits forming the core of the peninsula. Fossiliferous marine sediments of the Yorktown Formations. And, sequential land use of sand and gravel operations in the lower peninsula with exposures of ancestral Chesapeake Bay sediments and the Yorktown Formation.

A $10.00 fee per person is the only cost. Money should be included with an appropriate notation on your Annual Meeting Reservation Slip. If you have already sent in your reservation and wish to add the field trip, write FIELD TRIP, October 24th, enclose the correct amount and mail to: H. M. Townsend, Finance Chairman, 1981 A.I.P.G. Annual Meeting, 7617 Tanglewood Road, Richmond, VA 23235.

Remember, spouses do not pay a registration fee. They only pay for the events they wish to attend.