

# American Geosciences Institute

## Current

### AWARD GUIDELINES

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## **AGI MEDAL IN MEMORY OF IAN CAMPBELL FOR SUPERLATIVE SERVICE TO THE GEOSCIENCES**

### **Award Explanation**

The AGI Medal in Memory of Ian Campbell for Superlative Service to the Geosciences is awarded in recognition of outstanding performance in and contribution to the geoscience profession. Campbell was an uncommon man of remarkable accomplishment and widespread influence. He was a geoscientist, educator, administrator, and public servant, and was noted for his candor and integrity. The Campbell Medal is the most distinguished AGI award.

### **Eligibility**

The award, established in 1981 by the AGI Member Society Council, is limited to one per year. The candidate must be living at the time of selection and, if at all possible, should be present to receive the medal. The title of the award was changed for the 2009 award to add “for Superlative Service to the Geosciences” in order to emphasize the importance of service shown by the recipient.

### **Guidelines for Consideration of Candidates**

Candidates should be measured against the distinguished career of Ian Campbell, whose service to the profession touched virtually every facet of the geosciences. They must be nationally recognized geoscientists with a clear documented record of achievement in their profession. The award reflects the dedicated service and integrity exemplified by Ian Campbell and is intended to inspire future generations to strive to benefit their science and profession, and the public community. The unique criterion for candidates for the award is the demand for extraordinary service performed with the highest qualities of statesmanship. Significant accomplishments in science, education, and administration are necessary as the foundation from which a candidate may develop to offer outstanding contributions to the geoscience profession. Up to three letters of support (if received) can be included in the nomination package.

### **Selection Procedure and Criteria**

The Chair of the Member Society Council (President of AGI) shall appoint a special nominating committee and chair to recommend a recipient of the AGI Medal in Memory of Ian Campbell. The Ian Campbell Nominating Committee shall consist of five members including current representatives or their delegates from the AGI Member Society Council from each of the following societies:

- a. Association of American State Geologists
- b. Geological Society of America
- c. Mineralogical Society of America

In addition, two at-large representatives from the remaining Member Society Council representatives or their delegates will be appointed to complete the Ian Campbell Nominating Committee.

The Executive Director of AGI will serve as the ex-officio secretary of the Ian Campbell Nominating Committee to ensure promotion of the award, encourage participation by the AGI member societies, and ensure adherence to selection procedures.

The Ian Campbell Nominating Committee will solicit nominations from the AGI Member Societies. Each Member Society can submit a single nomination to the nominating committee. Member Societies will be encouraged to develop their own internal processes for nominating a single candidate. Also, currently there exists a committee of former Ian Campbell medalists, which has been nominating individuals for the medal off and on over the past several years; and this nomination will be accepted by AGI similar to that from a Member Society. In addition, any member in good standing of any of AGI's member societies may make a nomination. However, that nomination package must be complete and must contain letters of support from three (3) additional people that clearly demonstrate the nominee's contributions to the criteria for the Ian Campbell Medal. The Member Society Council of AGI will be informed at its semi-annual meetings of the importance and prestige of the Ian Campbell Medal; and AGI, through the Executive Director, will encourage all Member Societies to nominate a candidate for the award.

Member Societies are required to submit a nomination form to the ex-officio Secretary of the nominating committee. The nomination form should document the candidate's professional activities relative to those of Campbell. Campbell was "a geologist, educator, administrator, and public servant, and was noted for his candor and integrity." Candidates will be evaluated against the distinguished career of Ian Campbell, whose service to the profession touched virtually every facet of the geosciences. Nominations can also be done online at the AGI web site <<http://www.agiweb.org/direct/awards.html>>.

Candidates whose nominating packages are incomplete will not be considered by the nominating committee. Nominations will be considered for a period of 3 years at which time their packages will be destroyed. Member Societies can re-nominate a candidate at a later time if they so desire.

Following deliberations, the Ian Campbell Nominating Committee will submit its final selection in writing to the Executive Director of AGI. The Executive Director will submit it to the Executive Committee of AGI for final action and approval by the Member Society Council at its spring meeting.

### **Description of the Medal**

The award will be a bronze medal. The obverse side bears a likeness of Ian Campbell with the words "The AGI Medal in Memory of Ian Campbell." The medal will have a ribbon attached for hanging around the neck of the recipient and displayed in a wooden box with a brass plate engraved with the name of the recipient and the year of the award.

## **Presentation of the Medal**

The medal shall be presented at the annual meeting of the Geological Society of America at the time of the presentation of GSA awards. The medal shall be presented by the GSA President at its Presidential Address and Awards Ceremony. A special fund has been established by the Association of American State Geologists and given to the Geological Society of America to ensure that in perpetuity the presentation of the Ian Campbell Award will be made during the Annual Presidential Awards Session at GSA. GSA will request a citation from a designated person, however, the citationist need not attend. The recipient of the award is entitled to request funding support from AGI to attend GSA to receive this award; however, no funding support is available for the citationist.

## **Past Recipients**

|      |                         |      |                          |
|------|-------------------------|------|--------------------------|
| 1981 | Richard H. Jahns        | 2011 | Harrison H. Schmitt      |
| 1983 | Hollis D. Hedberg       | 2012 | Gordon E. Brown Jr.      |
| 1984 | Konrad B. Krauskopf     | 2013 | Peter A. Scholle         |
| 1985 | Robert L. Heller        | 2014 | James F. Davis           |
| 1986 | William B. Heroy, Jr.   | 2015 | Rodney C. Ewing          |
| 1987 | Charles J. Mankin, Jr.  | 2016 | Berry H. (Nick) Tew, Jr. |
| 1988 | John D. Haun            | 2017 | Russell G. Slayback      |
| 1989 | Grover E. Murray        | 2018 | Scott W. Tinker          |
| 1990 | Philip E. LaMoreaux     | 2019 | Barbara H. Murphy        |
| 1991 | William L. Fisher       | 2020 | James M. Robertson       |
| 1992 | Donald C. Haney         | 2021 | Marcia K. McNutt         |
| 1993 | Peter T. Flawn          |      |                          |
| 1994 | Dallas L. Peck          |      |                          |
| 1995 | Gordon P. Eaton         |      |                          |
| 1996 | Robert R. Jordan        |      |                          |
| 1997 | M. Gordon (Reds) Wolman |      |                          |
| 1998 | Charles G. (Chip) Groat |      |                          |
| 1999 | Priscilla C. P. Grew    |      |                          |
| 2000 | Luna B. Leopold         |      |                          |
| 2001 | Kenneth N. Weaver       |      |                          |
| 2002 | Frank H. T. Rhodes      |      |                          |
| 2003 | Edward C. Roy Jr.       |      |                          |
| 2004 | Ernest A. Mancini       |      |                          |
| 2005 | Samuel S. Adams         |      |                          |
| 2006 | Robert D. Hatcher Jr.   |      |                          |
| 2007 | Arthur A. Socolow       |      |                          |
| 2008 | Larry D. Woodfork       |      |                          |
| 2009 | Jonathan G. Price       |      |                          |
| 2010 | Vicki J. Cowart         |      |                          |

## Ian Campbell (1899-1978) Profile

(from *Geotimes*, May 1978, page 38) Ian Campbell, 78, of San Francisco, former state geologist of California, authority on nonmetallic minerals, and past president of several professional societies. He had been an ambulance driver for the U.S. Army in France (in World War I); received an A.B. from the University of Oregon (1922) and PhD from Harvard (1931) [about this time, probably in 1923, he rode a motorcycle from Portland, Ore., to Portland, Maine; many years later, describing the trip, he remarked that he encountered paved roads for the first time in the Kansas City area]; faculty member, California Institute of Technology (1931-1959), a period in which he held appointments with the Carnegie Institution of Washington, the U.S. Geological Survey, and the University of California's Division of War Research); leader of a Cal Tech/Carnegie expedition down the Colorado River (1937); president of the Branner Geological Society (1938), the American Geological Institute (1961), the Mineralogical Society of America (1962), the Le Conte Geological Society (1963-1964), the Association of American State Geologists (1965) and the Geological Society of America (1968); he held the Hardinge Medal from the American Institute of Mining, Metallurgical and Petroleum Engineers (1962), and the Ben H. Parker Award from the American Institute of Professional Geologists (1970); he was state geologist of California (1959-1969); chairman of the visitation committee of the geological sciences for Harvard (from 1970 till his death); member of the California State Board of Registration for Geologists (from its founding in 1969) and its president (1972-1974); secretary of California's Geothermal Resources Board (1967-1969); chairman of the Committee on Geological Sciences for the National Academy of Science (1969-1972), which produced *The Earth and human affairs* (Canfield Press, 1972), and at various times president of the California Academy of Sciences, chairman of California's Advisory Committee on Geographic Names, member of the federal Committee on Surface Mining and of the U.S. National Committee for the International Union of Geological Sciences; Feb. 11, of cancer, in San Francisco.

The Executive Committee of the American Geological Institute has approved establishment of the Ian Campbell Memorial Fund, a fund that will be used to commemorate (perhaps in the form of a scholarship) Dr Campbell's service to the Institute and to the profession. Checks for contributions should be made payable to the American Geological Institute, with the notation (at lower left) 'Ian Campbell Memorial Fund.'

(from *AASG Journal*, Vol. 30, 1978) Ian Campbell State Geologist of California from 1959 to 1969, died in San Francisco February 11, 1978. He was 78. In 1965 Ian had fought off cancer, and continued his active career on all fronts, but he suffered a recurrence last fall that could not be beaten. One of the most active and widely known geologists of our time, Ian's death leaves many voids in the geological profession.

Ian Campbell was born in Bismarck, North Dakota, in 1899, obtained his A.B. in geology from the University of Oregon in 1922, and his A.M. in 1924; and received his Ph.D., in Economic Geology, from Harvard University in 1931. Ian's academic life included an early stint at Northwestern (University Fellow, 1923-24); Louisiana State University (Assistant Professor, 1925-28); California Institute of Technology (Assistant Professor to Chairman, Division of Geological Sciences, 1931-59); and University of California, Berkeley (Visiting Lecturer in Mineral Technology, 1960-62). This full and distinguished academic career touched every geographic corner of the country, and ignited productive careers in hundreds of students and colleagues. Invariably, Ian's teaching approach was characterized by warm personal concern for students and colleagues, which he maintained through an extraordinary level of personal correspondence that was not to slow down until his last weeks.

Outside academia, Ian was "a man of many hats," as he often said, and none appeared so multiple as his astonishing portfolio of memberships, offices, and honors in professional societies. Among the most significant of his professional affiliations, among the 22 major associates listed in *California Geology* upon his retirement as State Geologist in 1969, were Geological Society of America, president 1968; Mineralogical Society of America, president 1962; American Institute of Mining, Metallurgical and Petroleum Engineers, Hardinge Award, 1962; and American Geological Institute, president 1961.

During his tenure as State Geologist, Ian guided the Division of Mines and Geology in our first "urban geology" program, producing environmental and engineering geology information for cooperating counties. He established new geochemical and geophysical sections, and a strong geothermal research program, among numerous enlargements and refinements of Division programs. Not surprisingly, the Division an era of unprecedented close contact and smooth working relationships with other agencies during Ian's term as State Geologist. Partially as a consequence of that position, he filled with distinction the Governor-appointed position of Director, California department of Conservation, Sept. 1966-Feb. 1967.

Members of AASG remember well the unflagging verve with which Ian invested his membership in this Association from 1959 to 1969, continuing unabated as Honorary Member, until his death. He served as Editor (1960-63) and as President (1965-66), and but few of its members die not realize they were among Ian's close friends.

The genuine caring for people as people characterized Ian's career, in his many associations. He had the skill of imbuing his fellows – or his Division employees – with the spirit and confidence to be professionals, to care about their work, and to do wit well as a credit to themselves. In the slang of today, he turned people on. His leadership was of the quiet type, of which it could well be said

"A leader is best . . .  
When his work is done, his aim fulfilled,  
They will all say, 'We did this ourselves.'"

## **WILLIAM B. HEROY, JR., AWARD FOR DISTINGUISHED SERVICE TO AGI**

### **Award Explanation**

The William B. Heroy, Jr., Award for Distinguished Service to AGI is given in recognition of exceptional and beneficial long-term service to AGI.

### **Eligibility**

This award is limited to one per year. The candidate must be living at the time of selection and, if possible, should be present for presentation of the award.

### **Guidelines for Consideration of Candidate**

Candidate should be measured against the exemplary record of singular and long-term distinguished service of William B. Heroy, Jr., in whose honor the award is named.

### **Selection Procedure and Criteria**

The selection will be made by the AGI Nominating Committee. The AGI Nominating Committee shall consist of the two (2) AGI Past President Council members and three (3) additional Member Society Council representatives. The most recent AGI Past President shall serve as Chair of the AGI Nominating Committee. This AGI Nominating Committee shall make nominations for recipients of designated AGI honors and awards as well as a number of national science awards if nominations are received (Bylaws Art. III - II, as amended 11/8/89). The AGI leadership submits a name to a Nominating Committee for consideration, together with clearly documented supporting evidence and a background on the individual. As this award is based on service to AGI, the nomination may also be generated by the Executive Director. Upon AGI Nominating Committee approval, the candidate is submitted to the Executive Committee for approval and subsequently the Member Society Council for final action.

### **Description of the Award**

The award is a walnut plaque with the AGI emblem in brass or a fossil and a brass plate bearing the awardee's name, the date, and the service for which the recipient is being recognized.

### **Presentation of the Award**

The award shall be presented by the President of AGI during the awards reception tied to the fall meeting of the Member Society Council and Executive Committee.

## Past Heroy Award Recipients

1987 Hollis D. Hedberg  
1988 William H. Matthews III  
1989 Howard R. Gould  
1990 Robert E. Boyer  
1991 Robert L. Heller  
1992 Grover E. Murray  
1993 Frank W. Harrison, Jr.  
1994 Dallas L. Peck  
1995 Philip E. LaMoreaux  
1996 John D. Haun  
1997 William L. Fisher  
1998 John G. Mulvihill  
1999 Thomas M. Hamilton & Jan F. van Sant  
2000 Samuel S. Adams  
2001 William E. Crain & Robert L. Heller  
2002 Robert W. Ridky  
2003 Edward C. Roy Jr.  
2004 Russell G. Slayback  
2005 Michael J. Baranovic  
2006 M. Ray Thomasson  
2007 Thomas D. Barrow  
2008 William J. Siok  
2009 U.S. Geological Survey  
2010 Elwyn C. Griffiths  
2011 Ian MacGregor  
2012 Dennis Trombatore  
2013 L. Stanley Pittman  
2014 American Association of Petroleum Geologists  
2015 Gail M. Ashley  
2016 John C. Steinmetz  
2017 Richard M. Powers  
2018 Rex C. Buchanan  
2019 Vicki S. McConnell  
2020 Rebecca L. Dodge  
2021 Aida Awad

## **William B. Heroy Jr. (1915 - 2006) Profile**

Bill Heroy was born in Washington, D.C., in 1915, received his A.B. in geology from Dartmouth in 1937, and his Ph.D. from Princeton four years later. Following a five-year stint with Texaco, he moved to the Geotechnical Corporation in Dallas, advancing to President, and later to Teledyne as Group Executive. In these positions he greatly advanced the use of geophysics in petroleum exploration and geologic research worldwide and was responsible for organizing Teledyne Exploration Company into one of the world's largest geophysical companies. But one distinguished career was not enough. At age 55 he embarked on another in education - first as Vice President of Finance at Southern Methodist University and later as Professor of Geology and President of the University's Institute for Study of Earth and Man.

In addition to these outstanding accomplishments, Heroy had always been deeply devoted to the science of geology, to the welfare of the geological profession, and of the importance of geology to the nation and mankind. He had been a prodigious contributor to the geologic profession at-large, including many geological societies and other organizations outside the profession but especially to AGI.

Following in the footsteps of his distinguished father, William B. Heroy, Sr., who was a Founder and second President of the AGI, Bill Heroy, Jr's, service to the Institute was exemplary. Beginning almost a quarter of a century ago he served as AGI Vice President for Finance (1963-1967), Vice President (1968), President (1969), and was called back as Treasurer and Chairman of the Finance Committee (1984-1985) to provide essential leadership in solving AGI's pressing financial problems. He was a Trustee of the AGI Foundation and was its first Treasurer. His professional accomplishments were exceeded only by his love of geology and his commendable modesty in the face of such achievements.

From *Geology at SMU*, an occasional newsletter for alumni and friends: December 2006

Dr. William Heroy, Jr. (1915-2006), former Geological Sciences faculty member, passed away on September 25, 2006. Bill majored in geology, earning a B.A. from Dartmouth College in 1937 and a Ph.D. from Princeton University in 1941. After WWII, he joined The Geotechnical Corporation in Dallas, where he worked from 1945-1965, advancing to President of the company. When Geotech was purchased by Teledyne, Dr. Heroy took the post of Group Executive Assistant to the President, until he moved to Southern Methodist University. For seven years, Bill served as Vice-President Treasurer of SMU; then he presided over the Institute for the Study of Earth and Man until his retirement in 1981. For his illustrious public service, Dr. Heroy was awarded the G.S.A. Distinguished Service Award and the A.G.I. Campbell Medal. A.G.I. now presents the Heroy Award for distinguished service in his honor.



## **AWARD FOR OUTSTANDING CONTRIBUTION TO PUBLIC UNDERSTANDING OF THE GEOSCIENCES**

### **Award Explanation**

This award is given for a contribution or contributions that lead to greater public appreciation and better understanding of the role of the geosciences in the affairs of our society. The award name was changed from the “Award for Outstanding Contribution to Public Understanding of Geology” in 1999.

### **Eligibility**

This award normally will be given to one recipient per year.

### **Guidelines for Consideration of Candidates**

The award is presented to a person, organization, or institution in recognition of an outstanding contribution to public understanding of the geosciences. The contribution may be in geoscience as a science or in geoscience as it relates to economic or environmental aspects of modern civilization. The award may be given to a geoscientist or non-geoscientist, or to an organization or an institution that is based in the geosciences or not. All nominations shall be on a nomination form and include additional background material on the candidate. Up to three letters of support (if received) can be included in the nomination package. Incomplete nominating packages may be ranked lower by the AGI Nominating Committee.

### **Selection Procedure and Criteria**

AGI will solicit nominations from its Member Societies for consideration by an AGI Nominating Committee consisting of two (2) AGI Past Presidents (current Past President and Past President once removed), and three (3) additional Member Society Council representatives. The most recent AGI Past President shall serve as Chair of the Nominating Committee. Upon Nominating Committee approval of a candidate, that candidate is submitted to the Executive Committee for approval and subsequently the Member Society Council for final approval.

### **Description of the Award**

The award will be in the nature of an attractive plaque to include a citation of the specific contribution(s) which served as the basis of the award.

### **Presentation of the Award**

The plaque will be presented by the President of the American Geosciences Institute or his/her representative at a function to provide the appropriate level of attention to the geoscience profession and the public at large. Details for presentation of the award, including the time of year and the place, will be at the discretion of the AGI Executive Committee.

## Past Public Understanding Award Recipients

- 1985 **British Broadcasting Corporation** for the television series *The Making of a Continent*
- 1986 **Stephen J. Gould** and the *Planet Earth* television series (8 separate awards)
- 1987 **Robert Ferguson Legget** and **John McPhee**
- 1988 **Robert E. Boyer**
- 1989 **Robert L. Bates** and **Bruce B. Hanshaw**
- 1990 **Robert D. Ballard** for his activities as host of National Geographic Society specials, *Finding the Bismark and Titanic* and science programs on PBS and Discovery Channels.
- 1991 **U.S. Geological Survey** for reporting and distributing natural hazards information
- 1992 **U.S. Geological Survey & Association of American State Geologists** for Natl. Geologic Mapping Act.
- 1993 **Orrin H. Pilkey, Jr.** and co-editor **William J. Neal** in recognition of book series, *Living with the Shore*, and **John S. Shelton** for capturing geological processes on film.
- 1994 **Fred A. Donath** and **E-an Zen**
- 1995 **John R. Horner** through work as paleontologist, teacher, author and museum curator and **Richard Kerr**, for work as editor of *Science*.
- 1996 **Albert (Brad) Washburn** as founder and supporter of Boston Museum of Science.
- 1997 **Sandra Glass** for her work with the earth science community over the years.
- 1998 **M. Dane "Duke" Picard** for essays & books that inform & entertain lay persons & professionals.
- 1999 **Esther and Sherwood Tuttle** and **Ann Harris** for work introducing public to U.S. Natl. Parks geology.
- 2000 AWARD NOT PRESENTED
- 2001 **John Noble Wilford** as correspondent on space programs, paleontology, & scientific subjects.
- 2002 **Frank H. T. Rhodes** for geoscience education role as a teacher, researcher, and executive administrator.
- 2003 **Ron Redfern** for books on Earth evolution (*Corridors of Time, Making of a Continent, Origins*).
- 2004 **Warren D. Allmon** for work as Paleontological Research Institution Director in Ithaca, New York.
- 2005 **Michael Collier**, writer & photographer whose books, articles, & photography engage the public.
- 2006 **Joanne Kluessendorf**, for work implementing the Weis Earth Science Museum in Wisconsin.
- 2007 **Simon Winchester**, author, for his three best selling factual books on geological topics.
- 2008 **Susan Solomon**, for work to increase understanding of climate change and ozone "hole."
- 2009 **Richard Alley**, for work using ice cores to demonstrate abrupt climate change.
- 2010 **ExxonMobil**, for support of education programs and AGI's Earth Science Week and *Faces of Earth*.
- 2011 AWARD NOT PRESENTED
- 2012 **Thomas H. Jordan**, for work on earthquakes and their hazards on an international level.
- 2013 **Scott W. Tinker**, as Texas State Geologist and for global future talks and film *Switch*.
- 2014 **David R. Wunsch**, for work expanding outreach of New Hampshire Geological Survey.
- 2015 **Scott F. Burns**, for work as a Pacific Northwest media contact regarding major geologic events.
- 2016 **Mark D. Zoback**, for work related to rock physics and geomechanics and its applied aspects.
- 2017 **Iain S. Stewart**, as a key public communicator via YouTube videos and several BBC TV series.
- 2018 **David Applegate** for his U.S. Geological Survey and earlier work to communicate Earth science.
- 2019 AWARD NOT PRESENTED
- 2020 **Peter Folger** for his work at the Congressional Research Service.
- 2021 **J. Marshall Shepherd** for his outreach efforts on topics of weather and climate.

## **MARCUS MILLING LEGENDARY GEOSCIENTIST MEDAL**

### **Award Explanation**

This Medal, initially named the Legendary Geoscientist Award, was established in 1999, by AGI and the AGI Foundation. It was subsequently renamed in 2006 to honor Marcus Milling, an individual who made significant contributions to AGI during his 14-year tenure as the Institute's Executive Director (1992-2006), directing the Institute's affairs so AGI achieved financial stability and substantial growth. This award is given periodically to a geoscientist who has a long history of sustained scientific achievement and exceptional service to the geoscience profession.

### **Eligibility**

The award is limited to one per year. The candidate must be living at the time of selection and, if at all possible, should be present to receive the medal. Awards are not required annually but will be made as worthy participants are identified. No more than one award is usually given each year.

### **Guidelines for Consideration of Candidates**

Recipient must be (1) consistent contributor of high-quality scientific achievements and service to the Earth sciences having lasting, historic value, (2) recognized previously for accomplishments in field(s) of expertise by professional societies, universities, or other organizations, (3) a senior scientist nearing completion or has completed full-time regular employment, and (4) living at time of selection and expected to personally accept the award.

### **Selection Procedure and Criteria**

Nomination forms may be submitted to AGI by individuals or Member Societies. Nominations should include a detailed description of the candidate's achievements and 50-word candidate citation. The determination will be made by a special five-person Marcus Milling Legendary Geoscientist Medal (MMLGM) Nominating Committee consisting of the Chair and Vice Chair of the AGI Foundation and AGI's current President, President Elect, and Past President. The AGI President will chair the Nominating Committee. Once the Nominating Committee determines its final candidate, their selection needs to be confirmed by the AGI Executive Committee in order to become official.

### **Description of the Medal**

The award will be a 3.5" bronze medal. The obverse side bears a likeness of Marcus Milling with the words "Marcus Milling / AGI Legendary Geoscientist." The medal will have a ribbon attached for hanging around the neck of the recipient and displayed in a wooden box with a brass plate engraved with the name of the recipient and the year of the award. The person or organization successfully nominating a candidate is asked to help draft the announcement of the award and provide citation.

## Presentation of the Medal

Presentation of the award will be by the AGI Foundation Chair or his/her designee at an appropriate national society convention or meeting. In 2011 AAPG agreed to presentation of this award at their Presidential Awards ceremony in conjunction with their annual meeting.

## Past Recipients

|      |                          |      |                         |
|------|--------------------------|------|-------------------------|
| 1999 | J. David Love            | 2012 | Sven Treitel *          |
| 2000 | Konrad B. Krauskopf      | 2013 | John D. Bredehoeft *    |
| 2002 | Michel T. Halbouty       | 2014 | Robert D. Hatcher Jr. * |
| 2004 | Norman D. Newell         | 2015 | Hiroo Kanamori *        |
| 2004 | Peter R. Vail            | 2016 | Ernest A. Mancini *     |
| 2005 | Gerald M. Friedman       | 2017 | Susan Werner Kieffer *  |
| 2006 | Robert J. Weimer         | 2018 | William A. Thomas *     |
| 2007 | William L. Fisher *      | 2019 | Barbara A. Romanowicz * |
| 2008 | W. Gary Ernst *          | 2020 | Sharon Mosher *         |
| 2010 | William R. Muehlberger * | 2021 | Franklin W. Schwartz *  |
| 2011 | Robert H. Dott, Jr. *    |      |                         |

\* Recipient of named award

## Marcus E. Milling (1938 - 2006) Profile

Marcus Milling was Senior Advisor to the American Geological Institute at the time of his passing. This was after stepping down as AGI Executive Director, a title he held from March 1992 through July 2006. During his past fourteen years with AGI as Executive Director, the Institute experienced unprecedented financial growth. The Institute's bottom line improved from being negative in 1992 to 13 years of consecutive positive results. Annual revenues increased from \$3 million to over \$6 million and cash investments improved from \$500,000 to nearly \$4 million — an eightfold increase. Also during his tenure as Executive Director, AGI membership increased from 14 Member Societies to 44 geosocieties and the Institute's acclaim grew substantially and it returned to being an important supporter of public earth science education.

Before coming to AGI, he had over 20-years experience in the upstream oil and gas industry. On receiving his Ph.D. from the University of Iowa he joined Exxon Production Research Company in 1968. Here he contributed as an individual research and research supervisor with responsibilities for both exploration and production technologies. He also worked in Exxon's domestic exploration and production line operation groups in south Texas and New Orleans.

In 1980 he accepted the position of General Manager of ARCO's Geological Research Group at their central R&D facility in Plano, Texas. He subsequently served as ARCO's Chief Geologist and Manager of their Exploration Staff.

In 1987 Marcus joined the University of Texas at Austin as Associate Director of the Bureau of Economic Geology. At the Bureau he was responsible for coordinating their oil and gas industry consortia programs and environmental and water resource investigations.

In 1992 he took leave from the University to accept the position of Executive Director of the American Geological Institute, headquartered in Alexandria, Virginia. He was responsible for directing the Institute's geoscience information, education, publication, and government affairs programs. He helped lead the Institute out of financial difficulty and doubling its size before stepping back to become senior advisor in 2006.

Marcus was an active member of the geoscience community. He served as Vice Chair of the Offshore Technology Conference's Board of Directors, was a subcommittee member of the U.S. Department of Energy's Research Advisory Board on Solid Earth Sciences, was a past Councilor on the Geological Society of America, and served on numerous professional society committees.

## **EDWARD C. ROY, JR. AWARD FOR EXCELLENCE IN K-8 EARTH SCIENCE TEACHING**

### **Award Explanation**

The purpose of this award is to honor the memory of Dr. Edward (Ed) C. Roy, Jr. Dr. Roy was a past president of the American Geological Institute (AGI), a professor at Trinity University, San Antonio, Texas, and a recipient of both the Ian Campbell Medal and the Heroy Distinguished Service Award. He was a lifelong supporter of teachers and students from Kindergarten to grade 8 and served for a number of years as chair of the AGI Education Advisory Committee.

### **Eligibility**

The award, established in 2008 by AGI and its Foundation, is limited to one per year. To be eligible an applicant must be a full-time U.S. classroom teacher who currently provides instruction in Earth science at the K-8 level with all the responsibilities of such a position. Each applicant must submit to AGI a package consisting of: (1) Application form, (2) Current curriculum vita or resume with complete contact information, (3) Letter of recommendation from the teacher's principal on school letterhead, (4 & 5) Letters of recommendation from two other education professionals who have observed the applicant teaching Earth science, i.e., district science supervisor, teaching colleague, or team leader, (6) Exemplary Earth science lesson plan that emphasizes an inquiry-based approach, up to a maximum of five pages, and (7) an Essay, up to 750 words, describing the importance of teaching Earth science education to K-8 students and how the applicant inspires students to learn Earth science concepts. Teachers may nominate themselves online at the AGI web site <<http://www.agiweb.org/education/awards/ed-roy/>>. Please also check this website for updated information. Candidates whose packages are incomplete will not be considered by the selection committee.

### **Guidelines for Consideration of Candidates**

Applicants will be judged on their dedication to and enthusiasm for teaching Earth science, as well as their expertise in crafting and delivering Earth science instruction for their students. Applicants will also be judged on their demonstrated commitment to improving their own Earth science understanding as lifelong learners.

### **Selection Procedure and Criteria**

The application packets, verified as completed, are internally reviewed by AGI staff to select the top candidates. These candidates are presented to the Ed Roy Selection Committee, composed of the AGI Foundation Executive Director, AGI Executive Director, and current AGI President, Past President, and President Elect. The Ed Roy Selection Committee determines the top candidate with runners up also possibly chosen if the quality of applicants is deemed suitable. The AGI President serves as selection committee chair.

### **Description of the Award**

The award is a plaque with the AGI emblem and the awardee's name. The award also includes a \$2,500.00 check for the winning teacher and a grant of up to \$1,000.00 to cover approved registration, travel, and lodging expenses associated with attendance to receive the award, typically at the National Science Teachers Association annual meeting. The teacher and his or her school each will receive a plaque of recognition. Certificates may also be awarded to runners up (if any) deemed especially noteworthy.

### **Presentation of the Plaque**

The award may be presented at the national meeting of the National Science Teachers Association or other organization related to Earth science education. The award shall be presented by a designated citationist or by the President of AGI, if the citationist cannot attend the ceremony. A special fund has been established by the AGI Foundation to fund this award in perpetuity.

### **Past Recipients**

|      |                         |      |                 |
|------|-------------------------|------|-----------------|
| 2008 | Michelle Brand Buchanan | 2015 | John Russell    |
| 2009 | Stephen J. Houser Jr.   | 2016 | Dianna McDowell |
| 2010 | Jason Pittman           | 2017 | M.J. Tykoski    |
| 2011 | Greer Lynn Harvell      | 2018 | Kenneth L. Huff |
| 2012 | Meg Town                | 2019 | Sergio de Alba  |
| 2013 | Nathan Shotwell         | 2020 | Sherry Clafin   |
| 2014 | Laura Finney            | 2021 | Darcie Fregoe   |

### **Edward C. Roy Jr. (1936-2007) Profile**

A longtime supporter and Past President of AGI, Dr. Edward C. Roy Jr., passed away November 9, 2007, Dr. Roy received both his B.S. in 1961 and Ph.D. in 1964 in paleontology and sedimentary geology from The Ohio State University. After receiving his degrees, he worked at Shell Oil until 1966 when he became Assistant Professor of Geology at Trinity University. He achieved rank of Professor in 1977. Roy also served Trinity as Dean of the Division of Sciences, Mathematics, and Engineering, and as Vice President for Academic Affairs. In 1999 Roy became the Gertrude and Walter Pyron Distinguished Professor of Geology. At the time of his death, he was Professor of Geology Emeritus and was working part time in the Department of Education.

Dr. Roy served AGI as president in 1997, was an AGI Foundation Trustee, and was awarded the Ian Campbell Medal and the Heroy Distinguished Service Award in 2003 by the Institute. In addition to his involvement in AGI, Dr. Roy was active in many science and professional organizations including the American Association of Petroleum Geologists, American Association for the Advancement of Science, Geological Society of America, and SEPM.

Dr. Roy spent a large part of his career championing earth science education. He was appointed Chair of the Texas Earth Science Task Force by the Commissioner of the Texas Education Agency. With his tireless dedication, earth science is now available to Texan high school students. He is remembered as being a tireless advocate for teachers, especially those that guide the younger students in showing them the excitement of Earth science.

## NATIONAL AWARDS

In addition to the AGI awards, if candidates are submitted, the AGI Nominating Committee will consider the nomination of earth science candidates for several national awards. Any candidates approved by the Nominating Committee will be submitted by AGI to the appropriate award organizations along with documented records of achievements. AGI would like more Earth scientists to be recipients of the national science awards listed below.

There is much additional material required to submit national awards. While more Earth scientists should receive these national awards, if a candidate is deemed worthy of selection by the Nominating Committee, it is hoped that the Nominating Committee chair will act a champion on a selected candidate's behalf and work with AGI to help solicit support letters and other specific nomination material needed. The timeframes for these awards vary and typically differ from the yearly AGI nominations cycle, so a candidate selected in one year may not be processed until the following year.

The **William T. Pecora Award**, sponsored jointly by NASA and the Department of the Interior, is presented annually in recognition of outstanding contributions of individuals or groups toward the understanding of Earth by means of remote sensing. The award recognizes contributions of those in the scientific and technical community as well as those involved in the practical application of remote sensing. Consideration will be given to sustained or single contributions of major importance to the art or science of the understanding of Earth through observations made from space. Additional information is at <<http://remotesensing.usgs.gov/pecora.php> >.

The **National Medal of Science** is awarded by the President to individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, engineering, or social and behavioral sciences." Additional information may be obtained at <<http://www.nsf.gov/od/nms/medal.jsp>>.

The **Vannevar Bush Award** is presented from time to time to a person who, through public service activities in science and technology, has made outstanding contribution toward the welfare of mankind and the nation. The award is given to a senior statesman of science and technology and is designed to encourage individuals to seek the highest levels of achievement in science, engineering, and service to humanity. Additional information may be obtained at <<http://www.nsf.gov/nsb/awards/bush.jsp>>.

The **Alan T. Waterman Award** is presented annually by the NSF and the National Science Board to an outstanding young researcher in any field of science or engineering supported by National Science Foundation. Candidates must be U.S. citizens or permanent residents and must be 35 years of age or younger, OR not more than seven years beyond receipt of Ph.D. degree by December 31 of the year in which nominated. Candidates should have completed sufficient scientific or engineering research to have demonstrated, through personal accomplishments, outstanding capability and exceptional promise for significant future achievement. More information is at <<http://www.nsf.gov/od/waterman/waterman.jsp>>.

## ESTIMATED TIMEFRAME FOR 2023 NOMINATION PROCESS

(dates are approximate)

### **Est. Timeline for AGI Officers, Public Understanding Award, and Heroy Award (final candidates determined by the AGI Nominating Committee)**

(TIED TO BOTH EXECUTIVE COMMITTEE AND SPRING COUNCIL APPROVAL)

|                  |  |
|------------------|--|
| December 2022    | Final Call for 2023 Nominations distributed to Member Societies (reminder in January 2023)   |
| February 1, 2023 | Deadline for 2022 Nominations  |
| February 2023    | 2023 AGI Nominating Committee formed and nomination package sent to them<br>(AGI Past President once removed chairs, AGI Past President also on committee) |
| March 2023       | Straw ranking of candidates due to AGI   |
| March 2023       | Nominating Committee Conference call to finalize selection   |
| April 2023       | Nominations Report prepared for Nominating Committee review  |
| April 2023       | Nominations Report presented to Executive Committee for approval by AGI Past President   |
| Spring 2023      | Nominations Report presented to Council for final approval and<br>First call for 2024 nominations made at this Spring Member Societies Council meeting     |
| June 2023        | Announcement sent from AGI President to officers elect and award recipients  |
| October 2023     | Second call for 2024 nominations made at Fall Council meeting  |
| October 2023     | New officers inducted and awards bestowed at an AGI event  |

### **Est. Ian Campbell Timeline (final candidate named by Ian Campbell Nom. Cmte.)**

(TIED TO BOTH EXECUTIVE COMMITTEE AND SPRING COUNCIL APPROVAL)

|                  |  |
|------------------|--|
| February 1, 2023 | Deadline for 2023 Nominations  |
| February 2023    | 2023 AGI Ian Campbell Nominating Committee formed and sent nominations     |
| March 2023       | Straw ranking of candidates due to AGI                                     |
| March 2023       | Ian Campbell Nominating Committee Conference call to finalize selection    |
| April 2023       | Ian Campbell Report prepared for Nominating Committee review               |
| April 2023       | Ian Campbell Report presented to Executive Committee for approval          |
| Spring 2023      | Ian Campbell Report presented to Member Society Council for final approval |
| June 2023        | Announcement sent to awardee with copy to GSA Awards Liaison               |
| October 2023     | Medal bestowed at GSA Presidential Awards                                  |

### **Est. Marcus Milling Timeline (finalist named by MMLGM Selection Committee)**

(TIED TO EXECUTIVE COMMITTEE APPROVAL ONLY)

|                  |  |
|------------------|--|
| February 1, 2023 | Deadline for 2023 Nominations  |
| February 2023    | Marcus Milling Legendary Geoscientist Medal (MMLGM) Selection Committee sent nominations |
| February 2023    | Straw ranking of candidates due to AGI   |
| March 2023       | Selection Committee Conference call to finalize selection                                |
| March 2023       | Medal Report prepared for Selection Committee review                                     |
| March 2023       | MMLGM Nominating Committee Report presented to Executive Committee for email approval    |
| Spring 2023      | Recipient informed   |
| Fall 2023        | Medal bestowed at AAPG Presidential Awards ceremony                                      |

### **Estimated Nominations Timeline for Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching (finalists selected by Edward Roy Selection Cmte.)**

(TIED TO AGI PRESIDENTS AND FOUNDATION CHAIRS APPROVAL)

|                |   |
|----------------|---|
| January 2023   | Deadline for 2023 Nominations   |
| Jan.-Feb. 2023 | Applications reviewed by AGI staff and top candidates selected                            |
| February 2023  | Edward Roy Selection Committee decides awardee and runners up (if any)                    |
| Spring 2023    | Plaque bestowed during National Science Teachers Association (NSTA) 2023 National Meeting |