GEORGE BURKE MAXEY
DISTINGUISHED SERVICE AWARD

Presented to

Todd Halihan

Indianapolis, Indiana, USA
6 November 2018

Hydrogeology Division
The Geological Society of America
Todd Halihan

Todd Halihan is currently professor of geology at the Pickens School of Geology at Oklahoma State University. He was born in Illinois and received a B.S. in physics from Monmouth College in 1992, an M.S. in geology from the University of Missouri in 1996, and a Ph.D. from The University of Texas in 2000. He spent 12 months at CSIRO in Australia while pursuing his doctorate. His research focuses on characterizing complicated hydrogeology in fracture, karstic, or contaminated sites using physical hydrogeologic methods and electrical geophysical techniques to solve fluid-flow and transport problems. He has supervised 38 student hydrogeology projects and theses. Halihan has been an associate editor for *Groundwater* and has served as secretary-treasurer of the U.S. Chapter of the International Association of Hydrogeologists. He served as chair of the Hydrogeology Division and the South-Central Section of the Geological Society of America and is currently on Oklahoma’s Coordinating Council on Seismic Activity.

Halihan is also chief technical officer for Aestus LLC, which uses hydrogeophysics for subsurface characterization and assessing sustainable water supplies. He has worked on more than 200 different research and commercial sites in more than 30 U.S. states and overseas. His international research work has occurred in Australia, Bahamas, Brazil, Iraq, Mexico, and South Africa, along with a number of other countries on a commercial basis.

Halihan is the recipient of teaching, research, and service awards. He is also a professional driller in the state of Oklahoma and a Professional Association of Diving Instructors (PADI) divemaster. He has provided input to stories on CBS, Fox News, NPR, CNBC, *Popular Science*, *The New Yorker*, and *The New York Times*. Todd is married and has one child.
GEORGE BURKE MAXEY
DISTINGUISHED SERVICE AWARD

I am pleased to nominate Todd Halihan for the George Burke Maxey Distinguished Service Award. Todd is a professor at the Pickens School of Geology at Oklahoma State University. He has been on the faculty at Oklahoma State University since 2000 and has been recognized for his service by that institution with the 2015 Karin and Robert J. Sternberg Award for Excellence in Advancement of the Land Grant Mission of Oklahoma State University, the 2009 Inventor Recognition Award, and the 2006 Sterling L. (Bud) Burks Award for Outstanding Staff Environmental Research.

Todd is a Fellow of the GSA and was the Hydrogeology Division Chair in 2012–2013. He has been active in arranging symposia and theme sessions at both the annual and the section meetings. Todd was the South-Central Section Chair in 2014 and chaired the 49th South-Central Section meeting in 2015. He also conducted a GSA short course, "Teaching Field Methods in Hydrogeology." Todd has also served the Hydrogeology Division well by his role in the hydrogeology student receptions, which he has emceed many times. Finally, while still a graduate student, he was the chair, organizer, and chief fundraiser for the Geological Society of America’s first International/Internet Symposium, “Understanding Ground Water in Arid and Semiarid Environments of North America and Australia” at the 1988 annual meeting in Toronto.

Todd has also served as secretary-treasurer for the U.S. National Chapter of the International Association of Hydrogeologists and has been associate editor for Ground Water. With the onset of seismic activity in Oklahoma associated with injection of saline waters and flow back fluids, Todd has become the representative for the scientific community and has been cited nationwide on these issues, including NPR, Popular Science, US News and World Report, and the CBS Evening News. Since 2014, he has served on the Oklahoma Governor’s Council on Seismic Activity. He is a registered Professional Geophysicist and Professional Well Driller in the State of Oklahoma.

—John M. Sharp, Citationist
GEORGE BURKE MAXEY
DISTINGUISHED SERVICE AWARD
Hydrogeology Division
The Geological Society of America

This award, honoring Dr. George Burke Maxey, an outstanding American hydrogeologist, was first given in 1984 by the GSA Hydrogeology Division as the Award for Distinguished Service. It is given annually in recognition of distinguished service and contributions to the field of hydrogeology in the manner in which Burke Maxey devoted, with distinction, more than 35 years of his life. Hydrogeology, as defined in the Bylaws of the Division, is “that branch of geology which is concerned with the character, source, occurrence, movement, availability, and use of water.” The award is to be based on a history of sustained, creditable service to the hydrogeology profession.

PAST RECIPIENTS

2017 Carol M. Wicks
2016 John W. Hess
2015 William W. Simpkins
2014 Robert W. Ritzi, Jr.
2013 E. Scott Bair
2012 Brian G. Katz
2011 Mary P. Anderson
2010 John Van Brahan
2009 Ira D. Sasowsky
2008 F. Edwin Harvey
2007 Janet S. Herman
2006 Jean M. Bahr
2005 Ralph K. Davis
2004 R. Allan Freeze
2003 John D. Bredehoefft
2002 Mary Jo Baedecker
2001 Donald I. Siegel
2000 Leonard F. Konikow
1999 Richard R. Parizek
1998 John A. Cherry
1997 Stanley Davis
1996 John M. Sharp, Jr.

1995 Tom Holzer
1994 Darryll Pederson
1993 Joe Rosenshein
1992 David A. Stephenson
1991 Robert Farvolden
1990 Phyllis Garman
1989 Eugene Simpson
1991 Keros Cartwright
1989 Claire B. Davidson
1991 William E. Wilson
1990 George Davis
1989 Charles L. McGuinness
1990 (posthumous)
1989 Jerry D. Vineyard
1988 William Back
1987 John C. Ferris
1986 I. Wendell Marine
1986 Philip E. LaMoreaux, Sr.
1986 Ralph Heath
1985 Philip E. LaMoreaux, Sr.
1985 Harry LeGrand
1984 Stanley W. Lohman
1984 Joseph F. Poland
1984 George B. Maxey
1984 (posthumous)
1984 Victor T. Stringfield

1983 Mary P. Anderson
1982 Brian G. Katz
1981 Mary P. Anderson
1980 E. Scott Bair
1979 John W. Hess
1978 Robert W. Ritzi, Jr.
1977 E. Scott Bair
1976 Brian G. Katz
1975 William W. Simpkins
1974 Robert W. Ritzi, Jr.
1973 E. Scott Bair
1972 Brian G. Katz
1971 Mary P. Anderson
1970 E. Scott Bair
1969 Brian G. Katz
1968 William W. Simpkins
1967 Robert W. Ritzi, Jr.
1966 E. Scott Bair
1965 Brian G. Katz
1964 William W. Simpkins
1963 Robert W. Ritzi, Jr.
1962 E. Scott Bair
1961 Brian G. Katz
1960 Mary P. Anderson
1959 E. Scott Bair
1958 Brian G. Katz
1957 William W. Simpkins
1956 Robert W. Ritzi, Jr.
1955 E. Scott Bair
1954 Brian G. Katz
1953 Mary P. Anderson
1952 E. Scott Bair
1951 Brian G. Katz
1950 William W. Simpkins
1949 Robert W. Ritzi, Jr.
1948 E. Scott Bair
1947 Brian G. Katz
1946 Mary P. Anderson
1945 E. Scott Bair
1944 Brian G. Katz
1943 William W. Simpkins
1942 Robert W. Ritzi, Jr.
1941 E. Scott Bair
1940 Brian G. Katz
1939 Mary P. Anderson
1938 E. Scott Bair
1937 Brian G. Katz
1936 William W. Simpkins
1935 Robert W. Ritzi, Jr.
1934 E. Scott Bair
1933 Brian G. Katz
1932 Mary P. Anderson
1931 E. Scott Bair
1930 Brian G. Katz
1929 William W. Simpkins
1928 Robert W. Ritzi, Jr.
1927 E. Scott Bair
1926 Brian G. Katz
1925 Mary P. Anderson
1924 E. Scott Bair
1923 Brian G. Katz
1922 William W. Simpkins
1921 Robert W. Ritzi, Jr.
1920 E. Scott Bair
1919 Brian G. Katz
1918 Mary P. Anderson
1917 E. Scott Bair
1916 Brian G. Katz
1915 William W. Simpkins
1914 Robert W. Ritzi, Jr.
1913 E. Scott Bair
1912 Brian G. Katz
1911 Mary P. Anderson
1910 John Van Brahan
1909 Ira D. Sasowsky
1908 F. Edwin Harvey
1907 Janet S. Herman
1906 Jean M. Bahr
1905 Ralph K. Davis
1904 R. Allan Freeze
1903 John D. Bredehoefft
1902 Mary Jo Baedecker
1901 Donald I. Siegel
1900 Leonard F. Konikow
1899 Richard R. Parizek
1898 John A. Cherry
1897 Stanley Davis
1896 John M. Sharp, Jr.
1895 Tom Holzer
1894 Darryll Pederson
1893 Joe Rosenshein
1892 David A. Stephenson
1891 Robert Farvolden
1890 Phyllis Garman
1889 Eugene Simpson
1891 Keros Cartwright
1889 Claire B. Davidson
1891 William E. Wilson
1890 George Davis
1889 Charles L. McGuinness
1889 (posthumous)
1890 Jerry D. Vineyard
1888 William Back
1887 John C. Ferris
1886 I. Wendell Marine
1885 Philip E. LaMoreaux, Sr.
1886 Ralph Heath
1885 Philip E. LaMoreaux, Sr.
1885 Harry LeGrand
1884 Stanley W. Lohman
1884 Joseph F. Poland
1884 George B. Maxey
1884 (posthumous)
1884 Victor T. Stringfield