

W. Bruce King, P.E.
Consultant with Englobal Engineering for
ExxonMobil Process Research

The 2004 recipient of the Coates Award is a chemical engineering graduate of Auburn University, and has been a member of AIChE since 1969. He has served in five National AIChE Meeting committees and as Chair and Vice-Chair of the Baton Rouge Section. He has administered the High School Grants program since its inception ten years ago, and has presented seminars for the local section, including one of the first ones on ISO 9000. His service includes speaking to local high schools on Engineering Week, and serving as judge of the Science Fairs.

Bruce's 34 years of professional experience encompass all aspects of chemical engineering for a number of companies, including duPont, Georgia Pacific Chemicals, and Borden. He is currently with Englobal Engineering consulting for ExxonMobil Process Research.

Bruce recently retired with the rank of Captain from the Naval Reserve where he served 40 years, including twelve years in the Navy on destroyers, the Pentagon, and in Vietnam. His 26 medals and ribbons include five Navy Commendation medals, one with Combat V.

Bruce is currently President of the Baton Rouge North Camp, Gideons International, and has been a member for the last thirty years of the Hosanna Assembly of God, where he has served as Deacon, leader of Royal Rangers, a boy's group, head of Men's Fellowship, and Sunday School teacher.

Bruce and his wife Betty, married since 1957, have a daughter and two sons. Beth and her husband, Stew Serpas, are both chemical engineers and live in Baton Rouge with their children, Mitchell, and Victoria. David and his wife, Karen, are both doctors and live in Little

Rock. Tim and his wife, Shawna, are both in sales and management and live in Fort Worth with their children, Sierra and Joshua.

Coates Award Address:

Chemical Engineering in the U.S. Navy

Recent international events have increased our awareness and appreciation of our military. A significant element in our military is the U.S. Navy, the most modern and sophisticated navy in the world. Our fleet includes highly technical platforms such as submarines, both ballistic missile and fast attack; nuclear powered aircraft carriers; and gas turbine powered cruisers and destroyers. Chemical Engineers and Chemists are required in manning and supporting this fleet.

The blending of a chemical engineering career and service in the naval reserve force is discussed in this talk. There are many needs and opportunities for chemical engineers and chemists to serve the Navy and Naval Reserve. These include the Engineering Duty Officer Program; Civil Engineering Corps; Nuclear Power Program; and Medical Service Corps. Hopefully, this will inspire some of the audience to consider military service or to help educate others on these needs and opportunities.





PRESENT THE



47th Annual

Charles E. Coates

Award

TO

Mr. W. Bruce King, P.E.

Consultant with Englobal Engineering
for ExxonMobil Process Research
Baton Rouge, LA

The Charles E. Coates Memorial Award

The Charles E. Coates Memorial Award is granted for outstanding contributions to the professions of chemistry or chemical engineering, the corresponding professional society, and the community. The award was established in 1957 by the Baton Rouge Sections of the American Chemical Society (ACS) and the American Institute of Chemical Engineers (AIChE) to honor the memory of Charles E. Coates.

Dr. Coates was one of Louisiana's most prominent figures in Chemistry and Chemical Engineering. He was the head of the Chemistry Department at LSU from 1893 to 1937 and Dean of the Audubon Sugar School from 1908 to 1931. When the Audubon Sugar School was made part of the College of Pure and Applied Science in 1931, Dr. Coates was made Dean of the school and continued as head of the Sugar School. Dr. Coates was named chairman of graduate study when a separate graduate school was established in 1921.

Dr. Coates was a charter member of the Louisiana-Mississippi chapter of the American Institute of Chemical Engineers, which was the precursor of both the Baton Rouge and New Orleans Sections of AIChE. He helped to organize the Louisiana Section of the American Chemical Society and served as councilor for a number of years. This section was the precursor of the Baton Rouge Section and other Louisiana Sections of the ACS.

It is fitting that we should honor Dr. Coates with this annual award, sponsored by the two local professional organizations that he helped to create.

PAST RECIPIENTS OF THE COATES AWARD

1958	Jesse Coates	1974	Gordon A. Hughmark	1990	Armando B. Corripio
1959	Louis Rusoff	1975	Paul W. Murrill	1991	Arnold W. Smalley
1960	A. R. Choppin	1976	M. F. Gautreaux	1992	George A. Daniels
1961	F. Drew Mayfield	1977	Sean P. McGlynn	1993	Linda L. Green
1962	J. P. McKenzie	1978	Cecil L. Smith	1994	Ralph W. Pike
1963	Hulen B. Williams	1979	William H. Daly	1995	Steven F. Watkins
1964	Alexis Voorhies, Jr.	1980	Clayton D. Callihan	1996	George R. Lappin
1965	James G. Traynham	1981	Harry V. Drushel	1997	Earl Doomes
1966	Arthur G. Keller	1982	Joesph A. Polack	1998	John R. Collier
1967	Philip W. West	1983	Gottlieb C. Gaeke	1999	George G. Stanley
1968	Henry G. Allen	1984	Edward T. L. Borie	2000	Glenn Bryson
1969	George F. Kirby	1985	Frank K. Cartledge	2001	Steven A. Soper
1970	Roger W. Richardson	1986	Frank R. Groves, Jr.	2002	Danny D. Reible
1971	C. F. Gray	1987	Nikolaus H. Fischer	2003	Ernest E. Green
1972	Paul E. Koenig	1988	Robert W. Gallant	2004	W. Bruce King
1973	Joel Selbin	1989	William A. Pryor		

Traditionally, Chemical Engineers receive the award in even years and Chemists in odd years

PROGRAM

6:00 PM	Social	7:30 PM	Awards Ceremony
7:00 PM	Dinner	9:00 PM	Closing

Awards Ceremony

**Welcome Address and presentation of AIChE awards by Mr. Craig Gardner
Chair, Baton Rouge Section AIChE.**

Introduction of Past Coates Award Recipients & Coates Family Representative

Fifty Year AIChE Membership Awards – Presented to William C. Behrmann, Raymond L. Brandes, John W. Holeman, Adrain E. Johnson, Jr., J.H. Mays, John Joseph McManus, and James H. Taylor, Jr.

AIChE Outstanding Dissertation Award – Presented to Qiang Huang for his dissertation on "Electrodeposition of FeCoNiCu Quaternary System," LSU.

Regional and State Science Fair Award Winners – Presented to Justin Bourg of South Terrebonne High School, Ellen Broering of St. Joseph's Academy, Katherine Lindsay of Baton Rouge Lutheran School, and John Todd of Central Elementary School.

Presentation of ACS Awards by Dr. Anne Taylor Past Chair, Baton Rouge Section ACS

Fifty Year ACS Membership Awards – Presented to Dr. William C. Baird, Dr. Warren Becker, Dr. Richard Joseph De Feo, Dr. William G. DePierri, Mr. Robert Lee Johnson, Dr. Kestutis A. Keblys, Dr. Harry E. Robson, Dr. Sidney Lee Vail

ACS Outstanding Technician Award – Presented to Mr. Byron Ambeau (Syngenta Corp.)

ACS High School Chemistry Teacher of the Year – Presented to Mr. Wiltz Roberts, Clinton High School
(Ms. Shirley Cupit, assistant principal)

ACS Outstanding Undergraduate Chemistry Student Awards – Presented to Bobby Burches, Jr (Southern University) and Andy J. B. Wower (LSU)

Presentation of the 2004 Baton Rouge ACS Chemistry Olympiad Team –
Baton Rouge Magnet High School: Nabil Thalji, Steven Wu (Teacher: Ms. Sangita Mathur)
Parkview Baptist School: Bryan Alford (Teacher: Mr. Shawn Liner)
McKinley High School: Alex Day (Teacher: Ms. Renu Seth)
Zachary HS: Agnes McKowen (Teacher: Ms. Roberta Roan)
Bishop Sullivan HS: Ace Ziegler (Teacher: Ms. Cheryl Riddick)

Special Award – *Salutes to Excellence* – Presented to Lawrence E. Wilkinson

Charles E. Coates Memorial Award

Mr. W. Bruce King, P.E.

Presented by Mr. Glenn Bryson, P.E.

Coates Awardee Address

"Chemical Engineering in the U. S. Navy"