

## Meeting Announcement - January 2004

The January meeting of the Arkansas Section of ASME will be held on January 22, 2004 at 6:30 p.m. on the Arkansas Tech campus in Russellville. This will be our annual joint meeting with the Arkansas Tech Student Section and the Honors and Awards Banquet.

Date: January 22, 2003, 6:30 p.m.

Place: Williamson Hall Dining Room, Arkansas Tech campus  
(exit I-40 at Hwy 7 (exit 81), proceed south to 2nd traffic light (by Whattaburger), turn right and follow road thru campus, Williamson is the last building on the right across from the Football stadium, enter in back of building)

Cost: \$15/member/guest, \$2/student/guest, No charge to Honorees

Menu: Soup/salad, Chicken Marsala, Vegetable, Fruit Salad, Rolls, Dessert

Program: Presentation of member milestone awards, and a talk by Mr. Kenneth Hughey, Senior Manager of Entergy Nuclear Business Development - Nuclear and Hydrogen Teaming Up

Reservations: By January 19, 2003 to Stan Apple (479-968-0627)  
Or John Krohn (479-968-0259)

Honorees for this event include:

### 25 year Members

Lindsley S. Bramlett, PE - Conway  
D. Milton Huff, PE - Conway  
Keith A. Michaels, PE - Conway  
Wayne A. Shimkus - Jonesboro  
Courtney Swindler, PE - Little Rock  
Jon S. Watson, Sr., PE - Bauxite  
Lewis W. Williams III, PE - Pine Bluff

### 35 year Members - Life Membership

James E. Bryant, PE - Hot Springs Village  
Joel T. Hicks, PE - Little Rock  
Ing-Chang Jong, PhD, PE - Fayetteville

Topic: Nuclear and Hydrogen Teaming Up (Abstract)

The energy reality is that today, the United States is more dependent on the importation of foreign oil than at anytime in its history. In addition, if present trends continue within the next 10 to 15 years, the importation of liquefied natural gas (LNG) will also become a major portion of the overall energy mix within the US economy. Does an energy policy that results in over dependence

on the importation of fossil fuels made good policy sense? Besides the problem of over reliance on the importation of fossil fuels consider the following facts:

- 1) by 2010 the worldwide production of oil will peak and decline every year thereafter and
- 2) the burning of fossil fuels makes the US the world's worst polluter in terms of CO2 emissions.

When viewed with this paradigm, it would seem to say that something has to be done concerning the current US energy policy. This talk will explore these issues and suggest that the teaming of nuclear power and hydrogen provides one possible solution to addressing future energy needs within the USA.

About the Speaker:

Kenneth Hughey, a Senior Manager, Entergy Nuclear Business Development Group (ENBD), Jackson, Mississippi, was among the first staffers to join the nuclear development staff in August 1999. So he is in an ideal position to describe how Entergy Nuclear managed to double its nuclear units and become the fastest growing national nuclear operator in the U.S. in just three short years – as well as what is next for nuclear.

Kenneth is a 20-year veteran of Entergy's nuclear organization, having joined Entergy in 1983 as a licensing engineer for the Grand Gulf Nuclear Station. For the past three years, Kenneth has been a lead engineer in evaluating potential assets and planning their acquisition for the Business Development Group. Kenneth now leads several efforts in preparing Entergy Nuclear for the possible future construction of new nuclear generation including preparation for an Early Site Permit (ESP) application for the Grand Gulf site and evaluating various new reactor designs.

Kenneth is a Mississippi product. He is a chemical engineering graduate of Mississippi State University (1978) and earned an MBA from Mississippi College (1986). He is a licensed professional engineer by the state of Mississippi, and is a member of the American Institute of Chemical Engineers and the American Nuclear Society which recently elected him to the executive committee for the Operations and Power Division.