

The Percy Nicholls Award
For Notable Scientific or Industrial Achievement
In the Field of Solid Fuels
In recognition of the Outstanding Achievement of

Klaus. R. G. Hein

In the field of solid fuels, the Fuels and Combustion Technologies Division of the American Society of Mechanical Engineers, and the Coal Division of the American Institute of Mining, Metallurgical and Petroleum Engineers jointly confer upon him the

Percy Nicholls Award for 2000

Professor Klaus R. G. Hein has had a remarkable career as an engineering scientist, head of R&D for a large utility group, university professor, engineering consultant, and member of numerous international groups in the field of thermal engineering and environmental control. His major achievements include:

- *development of dry sorption control technology for SO₂ and combustion modifications for NO_x control that have been adopted in the successful retrofit of boilers fired with low-rank coals.*
- *improvement of our understanding of erosion, corrosion, and deposit formation, application of that understanding for the reduction of fouling and slagging of heat transfer surfaces, and thereby increasing the availability of coal-fired utility boilers.*
- *contribution, through his leadership of institutes at Delft and Stuttgart, to seminal studies on the clean combustion of coal and biomass, with particular emphasis on the development and experimental validation of mathematical models of industrial furnaces and boilers.*
- *selfless dedication of his time as an articulate and dedicated advocate of clean and efficient utilization of fossil fuels through plenary lectures at international energy forums and service as assessor and coordinator of multi-country, multi-partner research programs.*

His numerous publications, the institutions that he has directed, his broad industrial practice, the students he has mentored, and his concern for the societal values of the energy utilization constitute a rich resource for all those involved in the use of solid fuels.