

rels daily in 1985. At the same time, American production will slide from 11 million barrels per day in 1985 to 8 million to 9 million barrels daily in 1995. Domestic petroleum consumption could run as high as 18 million barrels per day then.

For several years now a number of House and Senate members have proposed oil import taxes as a way to protect the American oil industry and to help limit imports. DOE's report, however, dismisses the concept, stating that it would hurt the economy. A \$10 per barrel import fee, the department contends, would cut growth in the gross national product, erode the competitive position of domestic manufacturers in export markets, and produce higher inflation.

Senator Pete Domenici (R-NM), ranking minority member of the Senate Budget and Energy and Natural Resources Committees, says DOE's analysis "is comprehensive but

flawed." Aides to Domenici contend that the economic analysis done by DOE exaggerates the consequences of an import fee and does not fully account for the benefits that accrue to the economy from a strong oil sector.

"I don't know what they paid for it but I don't think it was worth the money, what ever it was," comments Senator Bennett Johnston (D-LA), chairman of the Senate Energy and Natural Resources Committee. He and Domenici, both from oil-producing states, have introduced legislation (S. 460) to impose a variable import fee that would assure American producers a minimum of \$18 a barrel.

A day after DOE released its report, Herrington proposed to President Reagan that the oil depletion allowance be raised from 15% to 27.5%. The tax break, which currently allows independent producers to subtract 15% of their gross income from taxable

revenues, does not apply to major oil companies. But under Herrington's proposal it would be extended to all companies for new oil discoveries. The economic effects of this proposal are unclear at this time, and it is not likely that Congress will back the proposal. "It's a great idea with a zero chance of passage," comments Johnston, who contends that an import fee is a "tough fight" but one that has a "reasonable" chance of succeeding.

Nevertheless, Herrington's initiative and the energy security report are focusing congressional attention on national energy policy questions. In fact, some House Energy and Commerce Committee members have withheld criticism on the Administration's energy security report. Comments one House energy committee aide, "We are trying to take a look at these issues and decide what things are reasonable and doable." ■

MARK CRAWFORD

## NAE Elects New Members

The National Academy of Engineering has elected 82 new members and seven foreign associates. This brings the total U.S. membership to 1353 with 117 foreign associates. The new members are:

**Frances E. Allen**, IBM Corp.; **John A. Armstrong**, IBM Corp.; **Bishnu S. Atal**, AT&T Bell Laboratories; **Alexis T. Bell**, University of California, Berkeley; **Kenneth A. Blenkarn**, Amoco Production Co.; **Amar G. Bose**, MIT; **Yvonne C. Brill**, RCA Corp.; **James E. Broadwell**, TRW Inc.; **Kermit E. Brown**, University of Tulsa; **George Bugliarello**, Polytechnic Institute of New York; **Robert L. Byer**, Stanford University; **Lloyd G. Byrd**, U.S. Department of Transportation; **Michael M. Carroll**, University of California, Berkeley; **William J. Carroll**, James M. Montgomery Consulting Engineers, Pasadena, CA; **Edwin Carstensen**, University of Rochester; **Herbert S. Cheng**, Northwestern University; **William A. Chittenden**, Sargent and Lundy, Chicago, IL; **Richard M. Christensen**, Livermore National Laboratory; **Richard C. Chu**, IBM Corp.; **Robert W. Conn**, University of California, Los Angeles.

**Leonard S. Cutler**, Hewlett-Packard Co.; **James J. Duderstadt**, University of Michigan, Ann Arbor; **Lloyd A. Duscha**, U.S. Department of the Army; **James Economy**, IBM Corp.; **Frederick J. Ellert**, General Electric Co.; **Gerald W. Elverum, Jr.**, TRW Inc.; **Alexander F. Giacco**, Hercules Inc., Wilmington, DE; **Alastair M. Glass**, AT&T Bell Laboratories; **Mary L. Good**, Signal Research Center Inc., Des Plaines, IL; **Joseph W. Goodman**, Stanford University; **Arthur C. Gossard**, AT&T Bell Laboratories; **Eugene L. Grant**, Stanford University; **Donald L. Hammond**, Hewlett-Packard Co.; **Adam Heller**, AT&T Bell Laboratories; **Edward A. Hiler**, Texas A&M University; **Yu-Chi Ho**, Harvard University; **Herbert H. Johnson**, Cornell University; **Robert E. Kahn**, Defense Advanced Research Projects Agency; **Melvin F. Kanninen**, Southwest Research Institute; **Jack Keller**, Utah State University.

**Walter B. La Berge**, Lockheed Corp.; **Philip E. LaMoreaux**, P. E. LaMoreaux and Associates Inc., Tuscaloosa, AL; **Gerald D. Laubach**, Pfizer Inc.; **L. Gary Leal**, California Institute of Technology; **Martin P. Lepselter**, AT&T Bell Laboratories; **Yao Tzu Li**, Setra Systems Inc., Acton, MA; **Gerald J. Lieberman**, Stanford University; **Benjamin Y. H. Liu**, Uni-

versity of Minnesota, Minneapolis; **Harvard Lomax**, NASA Ames Research Center; **Stephen H. Maslen**, Martin Marietta Corp.; **John McCarthy**, Stanford University; **John S. McNow**, University of Kansas, Lawrence; **William F. Miller**, SRI International; **Mark V. Morkovin**, Illinois Institute of Technology; **Albert Narath**, AT&T Bell Laboratories; **William D. Nix**, Stanford University; **A. S. Odeh**, Mobil Oil Corp.; **Alan V. Oppenheim**, MIT; **Robert B. Ormsby**, Lockheed Corp.; **Lawrence T. Papay**, Southern California Edison Co.; **R. Byron Pipes**, University of Delaware, Newark.

**Louis W. Riggs**, Tudor Engineering Co., San Francisco, CA; **Della M. Roy**, Pennsylvania State University, University Park; **Robert H. Scanlan**, Johns Hopkins University; **Fred I. Stalcup**, ARCO Oil and Gas Co.; **Charles V. Sternling**, Shell Development Co.; **William D. Strecker**, Digital Equipment Corp.; **Ben G. Streetman**, University of Texas, Austin; **Chen-To Tai**, University of Michigan, Ann Arbor; **Byron D. Tapley**, University of Texas, Austin; **Richard F. Tucker**, Mobil Oil Corp.; **Bernard A. Vallergera**, consultant, Oakland, CA; **Walter G. Vincenti**, Stanford University; **Raymond Viskanta**, Purdue University; **Eugene B. Waggoner**, consultant, San Jose, CA; **Albertus D. Welliver**, The Boeing Co.; **Arthur W. Westerberg**, Carnegie Mellon University; **John A. White**, Georgia Institute of Technology; **Janusz S. Wilczynski**, IBM Corp.; **James C. Williams**, Carnegie Institute of Technology; **Eugene Wong**, University of California, Berkeley; **Abe M. Zarem**, Frontier Associates, Beverly Hills, CA.

The new foreign associates are:

**Alan G. Davenport**, University of Western Ontario, Canada; **Diarmuid Downs**, Ricardo Consulting Engineers, Sussex, U.K.; **Tony F. W. Embleton**, Canadian National Research Council, **William H. Gauvin**, McGill University, Ottawa, Canada; **Montreal, Canada**; **Tsuyoshi Hayashi**, Japan High Polymer Center, Tokyo, Japan; **Makoto Kikuchi**, Sony Corp. Research Center, Yokohama, Japan; **Denis Rooke**, British Gas Corp., London, U.K.