

# **Fusion** technology™

**CONTENTS / JANUARY 1995—VOL. 27, NO. 1**

## **TECHNICAL PAPERS**

### **BLANKET ENGINEERING**

- 3** Magnetohydrodynamic Flows in Arbitrary Geometries in Strong, Non-uniform Magnetic Fields—A Numerical Code for the Design of Fusion Reactor Blankets / *L. Bühler*
- 25** Adsorption and Desorption Rate of Water on the Various Ceramic Breeder Materials / *Yoshinori Kawamura, Masabumi Nishikawa*

### **TRITIUM SYSTEMS**

- 36** Embrittlement of Palladium and Palladium-Silver Alloy Cathode Membranes by Tritium / *G. Bellanger*
- 46** Effects of Tritium on Corrosion of Welded Type 316L Stainless Steel / *G. Bellanger*

### **NUCLEAR REACTIONS IN SOLIDS**

- 59** Electron Transitions on Deep Dirac Levels II / *J. A. Maly, J. Vávra*
- 71** Multibody Fusion Model to Explain Experimental Results / *Akito Takahashi, Toshiyuki Iida, Hiroyuki Miyamaru, Morio Fukuhara*

### **FUSION REACTORS**

- 86** Polarized Nuclei in a Simple Mirror Fusion Reactor / *David A. Noever*

## **DEPARTMENT**

- 1** Authors

### **ON THIS COVER**

The artwork on this month's cover is a concept by the artist stimulated by Fig. 13 of the paper by Bühler.