



**1984**  
**PRESIDENT**



**JAMES T. BRADFORD, JR. •**  
*ASSOCIATION OF IRON AND STEEL ENGINEERS*

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**JAMES T. BRADFORD, JR.**, vice president—research and engineering, Jones & Laughlin Steel Corp., attended Pennsylvania State University and received a B.S. degree in electrical engineering in 1951. He joined J&L in 1959 as an electrical control engineer at the Pittsburgh headquarters. In 1969, he was promoted to works engineer at the Cleveland works. In 1972, he became western district engineer, and in 1974, he was named general manager—engineering. He was appointed to his present position in April 1975.