

Recovered

In this study the effect of recovery on the yield strength and work hardening of a model Al-Mg-Sc alloy in the presence of Al₃Sc precipitates was investigated. Recovered microstructures containing Al₃Sc precipitates were obtained through a series of thermo-mechanical treatments including pre-aging, cold rolling and annealing. Recovered microstructures were characterized in terms of precipitate size distribution, subgrain sizes and dislocation structures. Yield strength and work hardening of processed microstructures were examined by tensile testing at 77K. The results show that the effect of precipitates arises directly from precipitation strengthening as well as indirectly from their effectiveness at controlling the recovered microstructure. Physical based models were developed to describe the tensile response of recovered microstructures consistent with previous models on single phase recovered Al-Mg alloys. For the first time, the impact of precipitates on recovery kinetics was captured by coupling recovery models of single phase Al-Mg alloys and creep models. In this new modelling approach a transition stage from dislocation annihilation to a climb controlled mechanism was defined. In addition, the effects of both recovery and precipitates on work hardening have been incorporated in the previous models. Finally, model limitations as well as their potential applications to improve mechanical properties including yield strength, ultimate tensile strength and uniform elongation of Al-Mg-Sc alloys by controlling thermo-mechanical processing and chemical composition were revisited.

Vols. for 1912-45 include proceedings of the association's annual meeting.

Market Analysis of Recovered Materials and Energy from Solid Waste Executive Summary Biennial Report Resource Recovery Plant Implementation Guides for Municipal Officials Recovery, Analysis, and Identification of Commingled Human Remains Springer Science & Business Media

A source of hope and valuable information for parents of children with eating disorders This poignant and informative narrative relates how one mother rescued her daughter from the "experts" and treated the girl's life-threatening anorexia using a controversial approach. Known as the Maudsley Approach, this home-based, family-centered therapy, developed in Great Britain in the 1980s, has been receiving a lot of press here over the past few years. While it has been widely used in Europe for many years and is rapidly gaining acceptance among parents and within the pediatric and child psychiatric communities in the United States, until now, there were no popular books on the subject. Must-reading for parents of children with eating disorders, Eating with Your Anorexic is: The first popular book on an increasingly popular approach to curing eating disorders A source of practical information and guidance for parents of children with eating disorders An eloquent narrative filled with pathos that inspires, empowers, and informs

This report details the results of investigations at seven Late Woodland sites located on the bluff overlooking the American Bottom: these sites have components representing Rosewood (A.D. 300-450), Mund (A.D. 450-600), and Patrick (A.D. 600-750) phase occupations.

Reports for 1935-52 include its Proceedings at the annual general meeting, 1936-53. (The proceedings are also published separately. See its Proceedings at the annual general meeting).

Commingling of human remains presents an added challenge to all phases of the forensic process. This book brings together tools from diverse sources within forensic science to offer a set of comprehensive approaches to handling commingled remains. It details the recovery of commingled remains in the field, the use of triage in the assessment of commingling, various analytical techniques for sorting and determining the number of individuals, the role of DNA in the overall process, ethical considerations, and data management. In addition, the book includes case examples that illustrate techniques found to be successful and those that proved problematic.

Includes legislation, U.S. Tax Court and other court decisions, and U.S. Treasury decisions.

Vols. 7- include "Abstracts" which, beginning with v. 9 form a separately paged section, and from v. 17 on, have separate title pages.

A description of the Experimental Boiling Water Reactor vapor-recovery system is given. The seal air operating pressures, temperatures, and moisture content were measured. Air flow through the seals was measured and seal wear was assessed. Assuming direct-cycle D2 operation, the seals were evaluated relative to the amount of D2 leakage that would be controlled.

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