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Citation Status:
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Title:
Energy Conversion. I. Non-Propulsive Aspects.

Fields and Groups :
190101 - Pyrotechnics
210200 - Combustion and Ignition
210400 - Fuels

Corporate Author:
NAVAL AIR SYSTEMS COMMAND WASHINGTON D C

Report Date:
Mar 1974

Media Count:
166 Pages(s)

Organization Type:
N - NAVY AND MARINE CORPS

Descriptive Note:
Research Program review.

Abstract:
The papers included here were presented at the review of Energy Conversion (non-propulsive aspects) programs which was held 26-27 March 1974 at the University of Denver, Phipps Memorial Conference Center. Sessions were devoted to Fuels and to Pyrotechnics. Papers are entitled: Aluminum soap - hydrocarbon gel structures; Mechanisms of flame inhibition by chemical agents; High-density and low-viscosity missile fuels; Infrared spectral distribution of high temperature sources; Pyrotechnic flare spectroscopy; Alkali metal flame emitters; A mathematical model of flare plume combustion and radiation; Research on endothermic binders; Precursor smoke formulations; Chemiluminescence for the determination of the kinetics and mechanism of jet fuel oxidative degradation.

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