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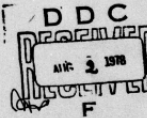
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Report 2247

ENERGY DEVELOPMENT FROM ELEMENTAL  
TRANSMUTATIONS IN BIOLOGICAL SYSTEMS

by  
S. Goldfein

May 1978



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U.S. ARMY MOBILITY EQUIPMENT  
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER 2243	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) ENERGY DEVELOPMENT FROM ELEMENTAL TRANSMUTATIONS IN BIOLOGICAL SYSTEMS	5. TYPE OF REPORT & PERIOD COVERED Final Dec 1977 - April 1978		
6. AUTHOR(s) S/Goldfein	7. PERFORMING ORG. REPORT NUMBER		
8. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Mobility Equipment Research and Development Command, DRDME-VL Fort Belvoir, VA 22060	9. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBER MTL 01901 PMMR:26		
11. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE May 1978		
13. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	14. NUMBER OF PAGES 19		
	15. SECURITY CLASSIFICATION (of this report) Unclassified		
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) energy source biological transmutation of elements magnesium adenosine triphosphate molecular cyclotron			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The purpose of the study was to determine whether recent disclosures of elemental transmutations occurring in biological entities have revealed new possible sources of energy. The works of Kervran, Komaki, and others were surveyed; and it was concluded that, granted the existence of such transmutations (Na to Mg, K to Ca, and Mn to Fe), then a net surplus of energy was also produced. A proposed mechanism was described in which Mg adenosine triphosphate, located in the mitochondrion of the cell, played a double role as an energy producer. In addition to the widely accepted biochemical role of MgATP in which it produces energy as it disintegrates part (Continued)			

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