



ARCTIC HEALTH

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Research and development of a new method of waste disposal for isolated sites in the Arctic. I. Fundamentals of human waste incineration.

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Author: Miholits, Ernest M.
Author Affiliation: Northwestern University, Evanston, Illinois
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Abstract: INTRODUCTION The disposal of excreta and other wastes at isolated sites in the arctic presents a problem which has not yet been solved satisfactorily. The use of latrines or pit privies is satisfactory as a temporary measure for small units for short periods of time, but for permanent or semi-permanent sites, and for larger numbers of men, an improved type of disposal is desirable. Due to the difficulty in obtaining water in adequate quantities, particularly during the winter months at sites located at high altitudes, and the problems associated with water and waste water disposal, water carriage has not proven satisfactory for use in these areas. It was the purpose of this study to devise a system for the complete destruction and disposal of human wastes in the arctic through the use of a system in keeping with the high degree of scientific equipment found at arctic Air-Force bases.

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