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TECHNICAL MEMORANDUM 1788(W)

UPPER ATMOSPHERE RESEARCH BIBLIOGRAPHY OF CONTAMINANT RELEASE EXPERIMENTS PART 3

C.H. Low and K.H. Lloyd

SUMMARY

This is the last in an occasional series listing the publications involving the experimental technique of releasing vapour clouds into the upper atmosphere. All aspects of the technique are included, as are all applications to the determination of neutral atmosphere and ionospheric parameters.

March 1977

Approved for Public Release

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1. INTRODUCTION

This is the third part of an occasional series which collects together references to the published literature on vapour releases from sounding rockets into the upper atmosphere.

The references are divided into sections based on the experimental techniques, and the data obtained from them. This Memorandum covers the published literature mainly over the period 1971 to 1976. It will be the last in the series, as the W.R.E. Upper Atmosphere project has been terminated.

For convenience, the section numbering sequence of the previously published parts 1 and 2 are again followed in this document.

3. UPPER ATMOSPHERE MEASUREMENTS (OPEN LITERATURE)

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3.1.1 Diffusion, density

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I.L. Kofsky

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N.W. Rosenberg

S.P. Zimmerman

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J. Theon

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The Role of Neutral Winds and Ionospheric Electric Field in Forming Stable Sporadic E Layers.
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The Release of Iron Carbonyl into the Upper Atmosphere.
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S. Kato H. Sakurai
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Y. Takeya  
J. Nakamura  

E. Wescott  
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R.W. McEntire  
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6.3 Miscellaneous

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6.4 Payloads

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I.R. Johnston

Evaluation of a Pyrotechnic Composition Based on Boron and Tungstic Oxide.

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Lithium Vapouriser for Cockatoo.

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Lithium Vaporiser for Cockatoo Mk II and Skylark.

R.H. Weldon
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