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4 May 1970

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DIRECTORATE OF  
SCIENCE & TECHNOLOGY

# WEEKLY SURVEYOR

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**WEEKLY SURVEYOR**

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Directorate of Science and Technology

This publication is intended to furnish the intelligence community with a timely survey of significant current scientific intelligence. The items herein are based on selected incoming reports of all kinds received during the previous week. The comments represent the views of the Office of Scientific Intelligence and the Foreign Missile and Space Analysis Center and are coordinated to the extent possible in the time available within CIA but, being based on the material at hand, are subject to change on receipt of further information or analysis. We caution against action taken solely on the basis of the preliminary evaluations herein. Substantive questions concerning items in this publication may be addressed directly to the Surveyor Staff, OSI, CIA Headquarters, Langley. (Code 143, Extension 6516). Questions concerning distribution should be forwarded through appropriate departmental channels.

CONTENTS

Page No.

**NUCLEAR ENERGY**

South Africa Seeks Uranium Hexafluoride Technology . . . . . 1

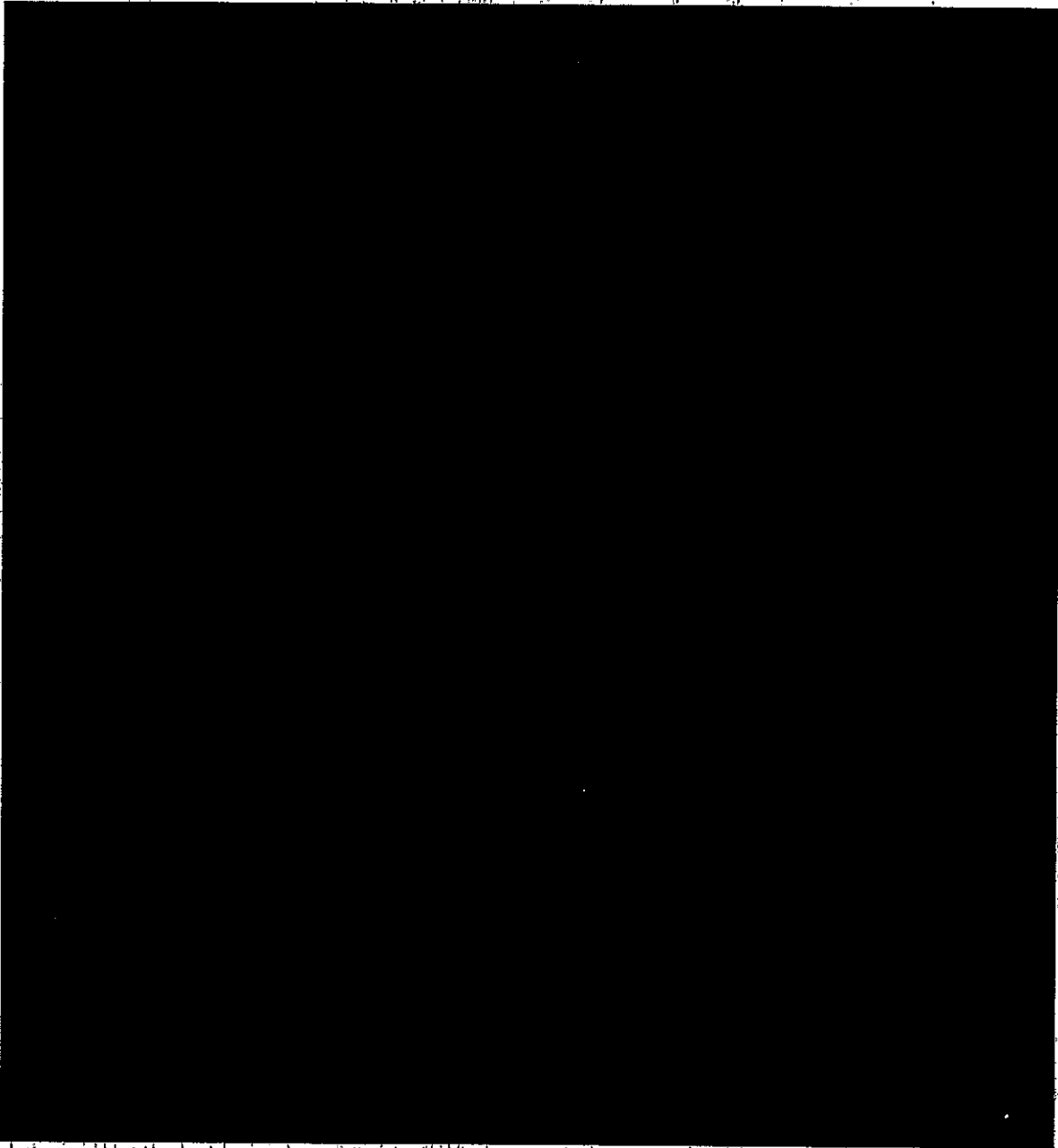
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Weekly Surveyor

4 May 1970

CONTENTS (Continued)

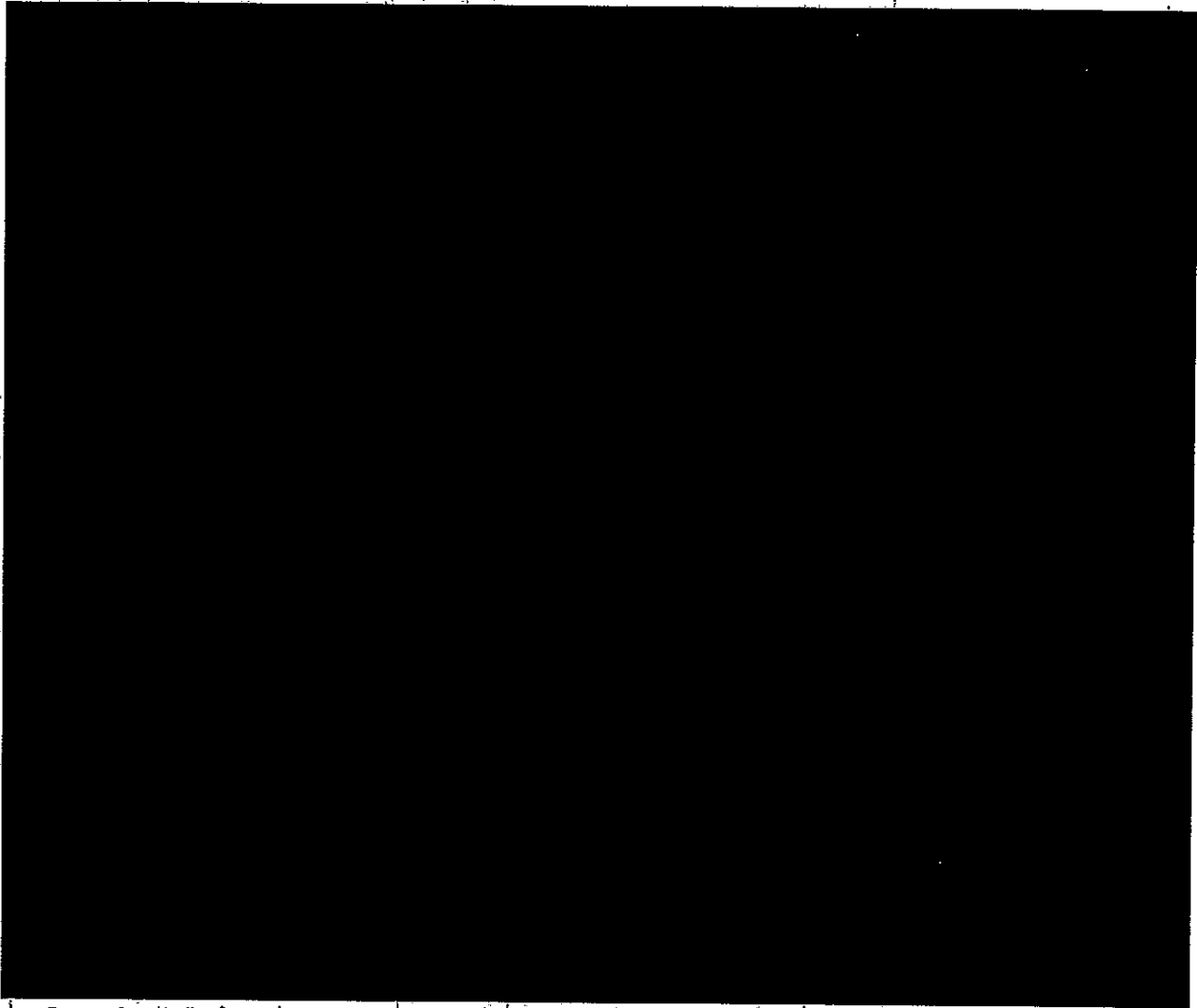


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~~SECRET~~Weekly Surveyor

4 May 1970

## NUCLEAR ENERGY



South Africa Seeks Uranium Hexafluoride Technology: The Chairman of the Nuclear Fuels Corporation of South Africa visited the US to pursue the possibility of licensing US uranium hexafluoride ( $UF_6$ ) technology. He stated that he personally felt his government was foolish in wanting to build such facilities, since such services could be bought cheaper elsewhere. [REDACTED]

Comment: The Republic of South Africa is one of the world's largest producers of uranium. Most of its production is currently sold in form of uranium oxide ( $U_3O_8$ ). South Africa has recently shown an interest in uranium hexafluoride

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~~SECRET~~Weekly Surveyor

4 May 1970

technology. It is believed that she wishes to develop such facilities so that uranium can be supplied in a more saleable form that would enable the purchaser to send the product directly to an isotope enrichment plant without arranging for additional processing. In the past, only laboratory scale quantities of uranium hexafluoride have been produced by South Africa. It is likely that the Republic of South Africa will also approach other countries for UF<sub>6</sub> technology. [REDACTED]

[REDACTED]

[REDACTED]

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