

CONTENTS

<i>I. Aladyev. Atomic Energy—a Powerful Tool of Technical Progress</i>	3
<i>E. Moroz. Accelerators of Charged Particles</i>	11
<i>S. Feinberg. Research Nuclear Reactors</i>	33
<i>S. Skvortsov and V. Sidorenko. Atomic Power Plants</i>	52
<i>V. Bochkarev. Production of Isotopes and Labelled Compounds</i>	67
<i>V. Duzhenkov. Use of Radiation in the Chemical Industry</i>	88
<i>M. Rozanov. Radioactive Isotopes in Medicine</i>	97
<i>S. Nazarov. Gamma-Rays in Fault Detection</i>	112
<i>P. Gruzin. Radiation and Isotopes in Metallurgy and Machine-Building</i>	126
<i>N. Rudnev. Application of Isotopes and Radiations in Chemical Analysis</i>	139
<i>V. Dakhnov. Radioactive Isotopes and Radiation in Prospecting for Mineral Deposits</i>	148
<i>V. Zezulinsky. Tracer Atoms in Biology and Agriculture</i>	162
<i>A. Kuzin and M. Meissel. Radiation in the Food Industry and in Plant Growing</i>	172
<i>G. Jordan. Radioisotopes in Automatic Measurement and Control Instruments</i>	183

ATOM FOR PEACE

Редактор *И. Т. Аладьев*

Художник *Б. Шейнис*

Издательский редактор *М. Г. Рубцова*

Технический редактор *С. В. Цветкова*

Подп. к печати 7/VII 1958 г. Форм. 84×108¹/₃₂ Печ. л. 6,5+0,06 вкл.
Усл. п. л. 10,76. Уч.-изд. л. 9,55.

Тираж 5000.

Цена 4 р. 75 к.

Зак. 4009

Типография изд-ва «Московская правда». Москва. Потаповский
пер., д. 3.

Printed in the Union of Soviet Socialist Republics