

U. S. GOVERNMENT TECHNICAL OIL MISSION
INDEXES TO MICROFILMS

T.O.M. Reels 153 to 174

INDEX -MICROFILM- REEL 153
(KISLOROD)

Oxygen. Bulletin of the USSR State Board for the Production
and Utilization of Oxygen.

1944, No. 1. Contents

Page

P. L. Kapitza. Intensification of industrial processes
by use of oxygen.

1

Proceedings of the Scientific Advisory Committee

I. P. Bardin. The use of oxygen in the metallurgy of
ferrous metals. Considerations upon technical
and economic prospects.

4

Discussion

15

M. A. Shapovaloff. Experimental data on a blast furnace
run on blast enriched with oxygen

17

Discussion

26

Experience and practice

D. L. Gleezmanenko. Some practical data on the construc-
tion of the first oxygen plant and its exploitation
at the Dniepropetrovsky Blast Furnace and Metallur-
gical Works

31

Technical News Abroad

Developments in the production of oxygen in the U. S. A.

38

1944, No. 2. Contents

Proceedings of the Scientific Advisory Committee

C. Pavloff. General directions in the research work on the
complete gasification of low grade fuels with oxygen

1

	<u>Page</u>
Discussion	10
N. V. Karkhoff. On the gasification of fine coal in "bulbing process", with steam and air enriched with oxygen	12
Discussion	18
G. N. Polouboyarinoff. On the gasification of Moscow-basin nut coals with steam and oxygen	21
S. A. Shashkin. On the gasification of fine peat in "suspended layer"	29
Discussion	35
S. S. Lachinoff. High pressure gasification of fuels with oxygen and steam	37
Discussion	44
G. O. Nussinoff. Underground coal gasification and the problem of oxygen supplies	45
Discussion	52
<u>Technical news abroad</u>	
E. W. Evans. High pressure gasification of coals (translated from English. Institution of Gas Engineers, Transactions, vol. 87, 1938)	54
Book review	
"The production of oxygen"	59
<u>1944, No. 3. Contents</u>	
<u>Proceedings of the Scientific Advisory Committee</u>	
B. E. Vedenejeff. Some aspects of the use of oxygen in the power industry	1

	<u>Page</u>
Discussion	9
N. A. Semenenko. Prospects of the use of blow enriched with oxygen in the open-hearth furnaces (from the viewpoint of energetics)	11
K. G. Troubin. The use of oxygen in openhearth process	15
Discussion	18
V. V. Kondakoff. A manufacture of the silico-aluminum alloys by means of the pyro-metallurgical method with oxygen-rich blow	20
Discussion	26
V. A. Assonoff. A new method of the absorbent briquetting in the production of the oxyfignites and prospects of their use	28
Discussion	36
<u>Experience and practice</u>	
J. N. Rjabinin. New insulation material for the oxygen tanks	39
D. L. Gleezmanenko. Liquid oxygen and its utilization	43
V. A. Nikiforoff. On the manufacture of turbo-compressors in the U. S. S. R.	51
<u>Technical news abroad</u>	
New data on development of the production of oxygen in the U. S. A.	53
<u>Chronicle</u>	
	55
<u>Bibliography</u>	
	57

	<u>Page</u>
<u>1944, No. 4. Contents</u>	
<u>Proceedings of the Scientific Advisory Committee</u>	
A. G. Kassatkin. Prospects of the use of oxygen in the chemical industry	1
Discussion	7
K. M. Malin. The use of oxygen in the nitrous process of the sulphuric acid production.	10
G. K. Boresskoff. The use of oxygen in the contact process of the sulphuric acid production.	16
Discussion	24
N. M. Jaworonkoff. Prospects of the use of oxygen in the nitric acid production	27
Discussion	36
M. G. Eliashberg. Prospects of the use of oxygen in the sulphite-cellulose production.	38
Discussion	46
<u>Experience and practice</u>	
N. V. Kharkhoff. The gasification of metallurgical coke with oxygen-enriched blow	51
<u>Chronicle</u>	61
<u>Bibliography</u>	65