

Composition and Properties of Humus in Crimean  
Cinnamon-Brown Soils, by M. I. Dolgilevich and  
M. A. Kochkin, p. 7

RUSSIAN, per, Pochvovedeniye, No 2, 1962, pp. 92 -  
98

Scripta Technica

Sci

340, 421

Aug 63

The Nature of Humic Substances in the Brown Mountain Forest Soils of the Crimea, by M. I. Dolgilevich, 3 pp.

RUSSIAN, per, Pochvovedeniye, No 7, 1959, pp 110-112.

ATBS

Sci

Jun 61

157, 252

Cloud Investigations in the Arctic, by I. M. Dolgin,  
10 pp.  
RUSSIAN, per, Trudy Arkticheskogo i Antarkticheskogo  
Nauchno-Issledovatel'skogo Instituta, Vol CCXXXIX,  
No 2, 1962, pp 5-10.  
JPRS 27,842

Sci-Earth Sciences & Astronomy  
Feb 65

272,516

Aeroclimatological Reference Book of Antarctica,  
Book 2, by I. M. Dolgin.  
RUSSIAN, bk, Arkt. i Antarkt N-i Inst., Leningrad.  
ALL ref: 5828.4P (G. 7548)

*I. M. Dolgin*

sci-physics  
sept 69

391,062

Scientific Inspection of the Drifting Stations and  
Observatories During 1956, by I. M. Dolgin, V. T.  
Timofeyev.

RUSSIAN, per, Problemy Arktiki, No 4, 1958,  
649437.

Amer Meteorol Soc 19 (604)

Oct 59

Some Results of Atmospheric Research over the  
Arctic Ocean, by I. M. Dolgin, 3 pp  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 11, 1962, pp 31-36.  
JPRS 29482

USSR  
Sci-Earth Sciences & Astronomy  
Apr 65

277,650

the Degree of Heat Transformation about in the  
Arctic, by I. M. Dolgin, 12 pp.

RUSSIAN, per, Trudy Leningrad Arkticheskiy i  
Antarkticheskiy Nauchno-Issledovatel'skiy Inst,  
Vol CCXXVI, 1959, pp 66-75. *2. 54 197 0608716*

Amer Meteorol Soc T-R-286  
AF Cambridge Res Center

Sci - Geophysics

Aug 60

*121,359*

Dolomites From Kara-Bairak Sources, by  
G. Z. Dolgina, E. P. Markevich, 6 pp.  
RUSSIAN, per, Ogneupory, No 11, 1963,  
pp 498-~~500~~503.

C13

Sci -  
Jul 64

262,769

(EX-1044)  
A New Source of Obtaining Extra Blood for  
Hemotransfusions, by M. I. Dolgina,  
Yu. M. Panova, S. Sh. Kharnas, et al, 3 pp.

RUSSIAN, per, Ekspert Khir i Anesteziolog,  
No 1, Jan/Feb 1962, pp 41-42.

JPRS 13728

SKci - Med  
May 62

197,002

(NY-6748)

Skin Homoplasty in Burn Disease Patients,  
by A. A. Vishnevskiy, M. I. Shrayber,  
M. I. Dolgina, 6 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR,  
KHIX No 8, 1961, pp 8-12.

JPRS 11350

Sci - Med  
Dec 61

178,232

(NY-5692)

Principles of Burn Treatment, by M. I. Shrayber,  
G. I. Dolgina, 6 pp.

RUSSIAN, per, Khirurgiya, Vol XXXVI, No 11, 1960,  
pp 82-86.

JPRS 9109

ici - Med

May 61

154,207

On the Use of Hypnotic and Narcotic Agents in the  
Complex Treatment of Those Who Have Been Burned,  
by M. I. Dolgina.

RUSSIAN, no per, Voenno Med Zhur, No 1, Moscow,  
Jan 1958, pp 13-16.

UB JPRS/NY 406

Sci - Medicine  
May 58

68,314

(NY-5554)

Problem of Thermal Burns Discussed at the Twentieth-  
Seventh All-Union Conference of Surgeons, by M. I.  
Shrayber, M. I. Dolgina, 7 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XV, No 10,  
1960, pp 82-85.

JPRS 7831

Sci - Med

144,766

Apr 61

Wave Processes on Transmission Lines in the  
Presence of Impulse Corona, by A. I. Dolginov.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 6,  
1954, pp 1111-1124.

UKSM GB 125 No IB 1408

Sci - Physics

52,324

Aug 57

Angular Distribution of Conversion Electrons,  
by A. Z. Dolginov.  
RUSSIAN, per, Izv AN SSSR, Ser Fiz, Vol 16,  
No 3, 1952, pp 327-330.  
NTC 69-12438-20J

A. Z. Dolginov

Sci-Phys  
Aug 69

389,501

Nonrelativistic Regge Trajectories, by  
A. Z. Dolginov, 7<sup>7</sup> pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLV,  
No 4, 1963, pp 1123-1132.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 3

Sci

Apr 64

256,834

Theory of Multiple Scattering, by Yu. N. Gnedin,  
A. Z. Dolginov, 9 pp,

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLV,  
No 4, 1963, pp 1136-1149.

~~Amer~~ Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 3

Sci

Apr 64

256,835

The Polarization of the Beta-Ray Electrons From  
Oriented RaE, by A. Z. Dolginov, H. P. Popov,  
5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII  
No 5, 1960, pp 1513-1524.

AIP  
Sov Phys-JETP  
Vol XI, No 5

Sci -  
Dec 60

135,484

Relativistic Spherical Functions. III., by  
A. Z. Dolginov, A. N. Moskalev, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII,  
No 6(10), 1960, pp 1697-1707.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XXXVII, (10), No 6

Sci - Physics  
Jul 60

120,884

Relativistic Spherical Functions. II, by A. Z.  
Dolginov, I. N. Toptygin, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII,  
No 5 (11), 1959, pp 1441-1451.

Amer Inst of Phys  
Sov Phys-JETP  
Vol XXXVII (10), No 5

Sci

Jun 60

118, 285

Polarization Correlation of Beta Particles and  
Quanta in Allowed Decay of Oriented  $^{60}\text{Co}$ , by  
A. Z. Dolginov, 4 pp.

RUSSIAN, per. Zhurnal Eksper i Teoret Fiz, Vol XXV  
No 1(7), 1977, pp 178-183

Amer Inst of Phys  
Sov Phys-JHEP  
Vol VIII(35), No 1

Sci - Phys

Feb 59

82,152

Angular Distribution and Polarization of  $\beta$   
Particles in Second Forbidden Transitions,  
by A. Z. Dolginov, E. V. Kharitonov 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII,  
No 3(9), 1959, pp 776-785.

Amer Inst of Phys  
Sov Phys-JETP  
Vol XXXVII(10), No 3

Sci

Apr 60

113,968

A Possible Test of the Conservation of "Combined  
Parity" in the Beta Interaction, by A. Z.  
Dolginov, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol  
XXXIII, No 6(12), 1957, pp 1363-1370.

Amer Inst of Phys  
Sov Phys-JETP  
Vol 6(33), No 6

Sci - Physics  
Aug 58

69, 682

Polarization of Beta Particles and Beta-Gamma  
Correlation for First-Forbidden Transitions of  
Oriented Nuclei, by A. Z. Dolginov, N. P. Popov,  
6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol  
Vol XXXVI(9),, No 2, 1959, pp 529-538.

Amer Inst ;of Phys  
Sov Phys - JETP

Sci - Phys

Sept 59

97,177

Beta Gamma Correlation and Polarization of Particles  
in the Beta Decay of Oriented Nuclei in Connection  
With Parity Nonconservation, by A. Z. Dolginov,  
#EXX 31 pp.

RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1957.

CIA/FED X-3069

Sci - Nuclear Physics  
Sep 58

\*ABC (may be cancelled)

73, 812

Influence of Charge Distribution in the Nucleus on  
Angular Correlation in  $\beta$ -Decay, by A. Z. Dolginov,  
I. N. Kopylov, 9 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XII,  
No 12a, 1956, pp 1377-1386.

Columbia Tech

Sci - Physics  
Mar 56

59,652

Angular Correlation of Particles and Quanta During  
Consecutive Radiation, by A. Z. Dolginov.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol 73, 1950,  
pp 1147-1151.

AEC Tr 1222

Scientific - Physics

AEC Tr 1335

RT-246

A-1762

The Hyperfine Structure of Multielectron Atoms, by  
G. M. Balint, A. Z. Bolginov, R. A. Chirnikov, 4 pp.

RUSSIAN, per. Optika i Spektro, Vol VIII, No 3, 1960,  
pp 285-293.

CSA

Sci

Apr 61

149,497

Polarization and Angular Distribution of X-Rays  
Emitted after Nuclear Capture of Electrons and  
after Conversion Transitions, by A. Z. Galginov,  
8 pp.

RUSSIAN, per, Zhur Eksp. i Teoret Fiz, Vol XXIV,  
No 4, 1958, pp ~~44-51~~ 931-941

Amer Inst of Phys,  
Sov Phys - JETP,  
Vol VII (34), No 4

Sci - Phys

Nov 58

76, 976

TERRESTRIAL MAGNETISM, BY SH. DOLGINOV, 14 PP

RUSSIAN, PER, AVIATSIYA I KOSMONAVTIKA, NO 7, 1963,  
P 26-32.

JPRS 21493

ICI-EAR SCI AND ASTRON  
KT-63

346,590

Preliminary Report on Geomagnetic Measurements  
Carried Out With the Aid of the Third Soviet  
Artificial Earth Satellite, by B. Sh. Dolginov,  
L. N. Zhuzgov, N. V. Pushkov, 3 pp. UNCL

RUSSIAN, per, Iskusstvennyye Sputniki Zemli,  
No 2, 1959, pp 50-53. (papers presented at Moscow  
Conference of CSAGI, Moscow, 1-9 Aug 1958.)

SP LAM/702  
P 9044779

US JPRS/DC-287

AF 1231316

Sci - Geophys  
Sep 59

100 3

96,259

Terrestrial Magnetism, by Sh. Dolginov, 10 pp.  
RUSSIAN, per, Avisto | Komsomolska, No 7, 1963. 9691282-V  
FOR OFFICIAL USE ONLY

FTD-ST-63-7

K  
KK  
Sci  
Feb 64

230,689

Magnetometers in the Third Soviet Earth Satellite,  
by S. Sh. Dolginov, L. H. Zhuravov, V. A. Selyutin,  
39 pp.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 4,  
1960.

Plenum Press

In CIA Lib  
Sci - Space Res  
Jun 61

153,442

Magnetic Measurements with the Second Cosmic  
Rocket, by S. Sh. Dolginov, E. G. Eroshenko,  
L. N. Zhuzgov, N. V. Pushkov, L. O. Tyurmina,  
13 pp.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 5,  
1960.

Plenum Press

In CIA Lib  
Sci - Space Res  
Jun 61

153, 449

(Int-6560)

The Magnetic Field of the External Cor-  
puscular Region, by S. Sh. Reigina;  
M. V. Tashkov, 1 pp.

RUSSIAN, per, Trudy Mezhdunarodnoy Konferentsii  
po Kosmicheskim Lucham, Vol III, 2 1960,  
pp 33-335.

JPRS 10983

Sci - Sp Research  
Loc 61

176, 276

S-2599

(DC-3252).

Some USSR Results Obtained by Measuring the  
Magnetic Field of the Earth With a Space Rocket,  
by S. Sh. Dolginov, N. V. Pushkov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 1,  
Nov-Dec 1959, pp 77-80.

JPRS-L-1981-D

SL 61-23181

Sci - Geophys  
Jan 60

105 721

Investigation of the Magnetic Field of the  
Earth Artificial Satellites and Rockets, by N. V.  
Pushkov, S. Sh. Dolginov, 16 pp. SECRET

RUSSIAN, per, Uspekhi Fiz Nauk, 13 Vol 13117,  
No 4, Dec 1957, pp 645-656, Encl  
to IR-165-58.

AT 1158500

Sci - Space Research  
Feb 58

59,401

Study of the Magnetic Field in Outer Space, by  
Sh. Sh. Dolginov, N. V. Pashkov, 7 pp.

RUSSIAN, per, Kosmicheskiye Issledovaniya, Vol. I,  
No 1, 1963, 963886-7.

FTD-TT-63-968

SCI  
Nov 63

241, 877

Investigation of the Magnetic Field of  
the Moon, by Sh. Sh. Dolginov,  
E. G. Yeroshenko, L. N. Zhelgov.

RUSSIAN, per, Geomagnet i Aeron, Vol I,  
No 1, 1961, pp 21-29.

NASA TT F-8095

Sci

7 Mar 62

*185, 894*

US GOV'T ONLY

(NY-4500)

The Magnetic Field of the External Cor-  
puscular Region, by S. Sh. Dolginov,  
N. V. Pushkov, 4 pp.

RUSSIAN, par, Trudy Mezhdunarodnoy Konferentsii  
po Kosmicheskim Luchem, Vol III, # 1967,  
pp 33-#35.

JPRS 10983

Sci - Sp Research  
Dec 61

176,274

Investigation of the Magnetic Field in Space, by  
Sh. Sh. Bulgintsev, N. V. Pankov,  
RUSSIAN, per, Elektromagnitnye Issledovaniya, Vol I,  
No 1, 1961, pp 55-97.  
NASA TT F-3561

Sci - E. S. & Astr  
May 64  
U. S. GOVERNMENT ONLY

258,601

45  
Dependence of the Diffusion Coefficient of  
Cosmic Rays on the Spectrum of Interplanetary  
Magnetic-Field Inhomogeneities and on the  
Distance from the Sun, by Z. Z. Bolginov.  
RUSIAN, per, Izv AN SSSR, Ser Fiz, Vol 32,  
No 11, 1968, pp 1821-1828.  
\*Dept of Navy APL/JHU J-1329

2.2 Bolginov

Sci-Astron  
Sept 69

Arc Welding of Turbine Rotor of Moving Part by  
Ya. I. Vodyanskiy, L. Z. Dolgitsen, 4 pp.

RUSSIAN, per, Svaroch Proiz. No 9, 1959, pp 31, 32.

Electric Welding Res. Assoc.

Sci  
Aug 60

122, 186

Synthesis of Alkyl-<sup>α</sup>~~α~~-Dimethylcyclopropane-  
methanols and Alkylcyclopropyl Methyl  
Ketones, by A. P. Meshcheryakov, I. E.  
Dolgiy, 5 pp.

RUSSIAN, per, Iz Ak Nauk  
SSSR, Otdel Khim Nauk, No 3, 1961,  
pp 496-500.

CB

200,661

Sci  
Apr 62

Reaction of Olefins With Diazoacetic Ester  
in Presence of a Copper Sulfate Catalyst, by  
A. P. Meshcheryakov, I. E. Dolgii, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel  
Khim Nauk, No 5, 1960, pp 931-934.

CB

Sci  
May 62

194,641

Resonance Fluorescence in  $\text{Ce}^{140}$  Excited by  $\text{La}^{140}$   
Gamma-Rays, by B. S. Dzhalapov, M. A. Dolgo-  
borodova, 7 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIV,  
No 3, 1960, pp 304-310

CPT

Sci  
May 61

152, 381

Angular Distribution of Gamma-Rays From Positron  
Annihilation in Liquid Hydrogen and Helium,  
by A. S. Basina, E. A. Bankova, B. S. Dzhelepcv,  
M. A. Dolgoborodova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz Vol XXII, No 8,  
1958, pp 959-965.

Columbia Tech

Oct 59

99,211

(DC-6734)

Specific Social Research, by B. G. Dolgodilin,  
V. V. Kazarinov, et al, 14 pp.

RUSSIAN, per, Voprosy Filosofii, No 2, 1962,  
pp 164-167.

JPRS 13488

USSR  
Soc  
Apr 62

192, 351

Investigation of the Charge-Exchange  $\pi^- + p \rightarrow n + \pi^0$   
and  $\pi^- + p \rightarrow n + \gamma$  ( $\rightarrow 2\gamma$ ) Reaction in the 1.25 - 4.5  
Bev/c Region, by V. V. Barmin, A. G. Dolgolenko,  
et al, 15 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLVI,  
1964, pp 142-147.  
AEC-NP-Tr-1128

45

Sci-Phys  
Aug 64

265,130

An Investigation of the  $\pi^- + p \rightarrow \pi^0 + n$  Charge Exchange  $\pi$   
Scattering and the  $\gamma + p \rightarrow n + \pi^0$  (2) Reaction  
in the 1.55-4.5 BeV/c Region, by V. V. Barmin  
A. G. Dolgolenko, et al, 5 pp.

RUSSIAN, per, Zhur Eksp i Teoret Fiz, Vol XLVI,  
No 1, 1964, pp 142-147.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XIX, No 1

Sci-  
Aug 64

265,247

Search for the decay  $W \rightarrow e^+ + e^-$ , by  
V. V. Barmin, A. G. Dolgolenko, et al, 38 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLV,  
No 6, 1963, pp 2082-.  
Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 5

Sci  
Aug 69<sup>4</sup>

264,406

**Investigation of the Charge-Exchange**

Reaction in the , by V. V. Barin, A. G.  
Dolgoplosko, Yu. S. Kostikov, A. G. Kostikov,  
V. A. Shabanov, 197p

RUSSIAN, per, Zhurnal Khimicheskoi i Tekh  
Fiz, Vol 46, 1964, No 1. pp 142-147  
OIL CR-61-19300

*A. G. Dolgoplosko*

Sci - Phys  
May 67

346,700

Investigation of the Charge-Exchange  
and Reaction in the 1.25-4.5  
eV/c Region, by V. V. Barvin, A. G. Dolgolenko,  
Yu. S. Shostakov, A. G. Makhovskii, V. A.  
Shebanov, 15pp  
RUSSIAN, per, Zhurnal Eksperimental'noi i  
Teoreticheskoi Fiz., Vol 46, 1964, No 1,  
pp 143-147  
CPRTI TR-G-19308

*A. G. Dolgolenko*

Sci - Phys  
May 67

362,483

Evidence for the  $\omega \rightarrow \pi^0 + \gamma$  Decay, by  
V. V. Barmin, A. G. Dolgolenko, et al, 9 pp.  
RUSSIAN, per, Zhur Ekspier i Teoret Fiz, Vol XLV,  
No 6, 1963, pp 1879-1890.  
Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 5

Sci  
Aug 64

263,834

Investigation of the De Haas-Van Alphen Effect  
in Bismuth at Ultra-Low Temperatures, by  
H. B. Brandt, T. P. Dolgolenko, 11 pp.

RUSSIAN, per, Zhur Eksp i Teoret Fiz,  
Vol XLV, No 5, 1963, pp 1319-1335.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 4

Sci  
Jun 64

260,322

On Precise Determination of Self-Oscillating  
Conditions in Optimizing Relay Control  
Systems, by Yu. V. Dolgolenko, 15 pp.

RUSSIAN, bk, Trudy Konferentsiya po Voprosam  
Teoriya i Primeneniye Diskretnykh Avtomati-  
cheskikh Sistem, 1960. 9676749-V

F D MCL-1253/1

Sci - Phys

196, 093

16 May 62

Stability and Self Oscillation of a Relay Control  
System With Delays, by Yu. V. Dolgolenko.

RUSSIAN, bimo per, Avtomat i Telemekh, Vol XIII, No 2,  
1952, pp 109-120.

Co-op Tr Sch 56

*Sci Mus Lib 56/2860*

USSR

Scientific - Electricity

*£3.12s.(12s.0d.)* Feb 54 CMB

*9601*

(NY-6503)

Some Organizational Problems in Medical  
Aviation, by B. M. Dolgonos, 6 pp.

RUSSIAN, per, Zdravookhraneniye, No 2,  
Mar-Apr 1961, pp 13-16.

JPRS 9938

Sci - Med  
Sep 61

167,008

The Use of Furacilin-Tannin-Collodion for the  
Sanitization and Treatment of Patients With Skin  
Diseases, by M. B. Dolgonosov, 1 1/2 pp.

RUSSIAN, per, Voenno-Med Zhur, No 4, 1959,

JPRS 1736-N

Jul 59

Transformation of rubber, by  
D. Delgoplosk, 7 pp.  
RUSSIAN, np, Izvestiya, November 17,  
1964, p 7. 9699404  
FTD-TT-65-1331

Sci - M/M  
Feb 66

274,779

61-18605

Dolgoplosk, B. A., Kropacheva, E. I. and others.  
DIENES POLYMERIZATION UNDER THE EFFECT OF  
HOMOGENOUS CATALYTIC SYSTEMS, CONTAINING  
COBALT- OR NICKEL SALTS. [1961] 3p. 8 refs.  
Order from OTS or SLA \$1.10 61-18605

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,  
v. 135, no. 4, p. 847-848.

DESCRIPTORS: \*Butadienes, Polymerization, Catalysts,  
Alkyl radical, Aluminum compounds, Chlorides, Co-  
balt, Nickel compounds, Chemical reactions.

The possibility of cis-polybutadiene production on the  
basis of application of the homogenous catalysts, formed  
in reaction of dialkylaluminum chlorides with various  
cobalt- and nickel compounds, is shown.

(Chemistry--Organic, TT, v. 6, no. 9)

I. Dolgoplosk, B. A.  
II. Kropacheva, E. I.

Office of Technical Services

Reactions of Organometallic Compounds with Heavy-Metal  
Salts. Communication 1. Reaction of Ethylmagnesium  
Bromide with Titanium and Cobalt Halides, by Wang  
Fo-sung, B. A. Dolgoplosk, pp 5

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,.  
No 3, 1960, pp 4 469 - 473.

CB

Sci  
May 62

195,358

On the Inhibiting Effect of Certain Polycyclic  
Aromatic Compounds on the Polymerization  
Process, by G. P. Belonovskaya, Zh. D. Vasyutina,  
B. A. Dolgoplosk, 4 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXIX, No 3,  
1959, pp 955-958.

Consultants Bureau

Sci

Apr 60

115,263

Reactions of Free Radicals in Solutions. Communi-  
cation 15. Mechanism of the Degradation of Poly-  
mers Under the Action of Free Radicals, by B. A.  
Dolgoplosk, B. L. Khusalinskiy, 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, 1960, pp 311-316

CB

Sci  
Apr 61

145,389

03-1175

(NY-1791)

Carboxyl-Containing Rubbers, by B. A. Dolgoplosk,  
Ye. I. Tinyakova, V. N. Reykh, T. G. Zhuravleva,  
G. P. Belonovskaya, 11 pp.

RUSSIAN, per, Kauchuk i Rezina, No 3, Moscow,  
1957, pp 11-14.

US JPRS/NY-L-386

USSR

Econ - rubber production

74, 988

On the Mechanism of Action of Accelerators of the  
Process of Sulfur Vulcanization, by E. I. Tinyakova,  
E. K. Kharunikova, B. A. Dolgoplosk, 5 pp.

<sup>(e)</sup>  
RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 12,  
1958, pp 3269-3273

Consultants Bureau

Sci

Feb 60

108,990

Reactions of Free Radicals in Solution. XIV.  
Formation of Free Radicals in Decomposition of  
Hydrogen Disulfide and Their Reactions with  
 $\alpha$  - and  $\beta$  -Olefins, by E. I. Tiniakova, E. K.  
Khrennikova, B. A. Dolgoplosk, 6 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII, No 6,  
1958, pp 1632-1636.

Consultants Bureau

95, 790

Sci - Chem  
Sep 59

The Synthesis and the Study of Some Properties  
of 1, 4-Polybutadiene, by B. D. Babitskiy,  
B. A. Dolgoplosk, V. A. Krol, 4 pp.

RUSSIAN, par. Khim Nauk i Prom USSR, Vol II,  
1957, pp 392, 393.

CIA 59-15021

001

Dec 59  
Vol 2, No 4

102,733

Reactions of Free Radicals in Solution. V. Destruction  
Polymeric Molecules by Free Radicals, by S. E. Breslav  
B. A. Dolgoplosk, V. A. Krol, S. Ya. Frenkel, 8 pp.

RUSSIAN, no per, Zhur Oshch Khim, Vol XXVI, No 8,  
1956, p 2201-2208.

Consultants Bureau

Sci - Chem

Dec 57

56, 518

Reactions of Free Radicals in Solution. II.  
Mechanism of the Inhibiting Effect of Poly-  
phenols and Aromatic Amines on Styrene Poly-  
merisation, by E. A. Dolgoplosk, D. Sh.  
Korotkina, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII,  
No 8, 1957, pp 2226-2231.

Consultants Bureau

Sci - Chem  
Oct 58

74, 207

The Role of Oxidation-Reduction Systems in the  
Process of Vulcanization With Sulfur, by E. I.  
Tinyakova, E. K. Khrennikova, B. A. Dolgoplosk,  
V. N. Reich, T. G. Zhuravleva, 10 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 9,  
Sep 1956, pp 2476-2484.

Consultants Bureau

Sci - Chemistry  
Feb 58

58,944

Oxidation -- Reduction Systems for Initiation of  
Radical Processes. X. The Mechanism of Action of  
Oxidation -- Reduction Systems Involving  $\text{SO}_2$ , by  
E. I. Tinyakova, B. A. Dolgoplosk, T. P. Zelenia,  
5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 7,  
1959, pp 2377-2381.

CB

Sci

Sep 60

126,628

The Reactions of Free Radicals in Solution. XI.  
The Mechanism of the ~~INHIBITING~~ Inhibiting Effect  
of Quinones on the Thermal Polymerization of  
Styrene, by B. A. Dolgoplosk, D. Sh. Korotkina,  
7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 9,  
1957, pp 2546-2552.

Consultants Bureau

Sci - Chem  
Oct 58

75, 176

New Ways of Synthesizing Rubber, by  
B. A. Dolgoplosk, 13 pp.  
RUSSIAN, per, Priroda, No 5, 1963,  
pp 30-35. 9697115  
FTD-TT-64-1257

*B. A. Dolgoplosk*

Sci-Chem  
Jun 65

282,263

Reactions of Free Radicals in Solutions, XIII. Study of the Mechanism of the Inhibiting Effect of Quinones on the Initiation of Polymerization, by B. A. Dolgoploski and G. A. Parfenova, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 10, 1957, pp 2773-2779.

Consultants Bureau

Sci - Chem  
Jan 59

78,968

Preparation of Crystalline Trans-1,4-Polybutadiene  
and Trans-1,4-Polyisoprene and a Study of Their  
Properties, by E. I. Tihyakova, B. A. Dolgoplosk,  
A. I. Marey, M. X. Al'tshuler, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV.  
No 3, 1959, pp 595597.

#  
Consultants Bureau

Sci

Jun 60

119,450

Reaction of Free Radicals in Solutions.  
VI. Mechanism of the Decomposition of  
Aliphatic Aromatic Triazenes in the  
Presence of Water and Acids, by V. Ya.  
Andakushkin, B. A. Dolgoplosk, I.I.  
Radchenko, 8 pp.

RUSSIAN, mo-per, Zhur Obshch Khim SSSR, Vol XXVI,  
No 11, 1956, pp 2972-2979.

Consultants Bureau

Sci - Chem  
Jul 58

67 557

Free Radical Reactions in Solutions. II. Relative Activity of Free Radicals in Reactions With Isopropylbenzene, Cyclohexene, and Polymers, by B. A. Dolgoplosk, B. L. Krusalinsky, V. A. Krol, L. H. Romanov, 6 pp.

RUSSIAN, no per, Zhur. Obshch Khim, Vol XXIV, No 10, Oct 1954, pp 1775-1781. CIA C 42157

Consultants Bureau

Sci - Chemistry

35,128

Jun 56/dex

Isomerization of Allylic Organometallic Compounds, by  
V. A. Kropachev, B. A. Dolgoplosk, K. V. Danilovich,  
4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CXI,  
No 6, Nov/Dec 1956, pp 1257-1259.

Consultants Bureau

Sci - Chem

56, 711

Dec 57

Generation of Free Radicals in Solutions  
and their Reactions in Model Systems, by  
B. A. Dolgoplosk, B. L. Krusalinskiy,  
E. I. Tityakova, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 4, 1958, pp 469-481.

Consultants Bureau

Sci - Chem

112, 288

Apr 60

Polymerization and Copolymerization of Dienes and  
Olefins on a Chromic Oxide Catalyst, by E. T.  
Tinyakova, B. A. Dolgoplosk, R. N. Kovalevskaya,  
T. G. Zhuravleva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 6,  
1959, pp 1306-1308.

CB

Sci  
Oct 60

129,980

Polymerization of Dienes and Olefins Under the  
Action of Cobalt Oxides and Diethylaluminum Halides,  
and a Study of the Structure of the Polymers, by  
M. I. Tityskova, B. A. Dolgoplosk, T. G. Zhuravleva,  
R. N. Kovalevskaya, T. N. Kuren'gina, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5,  
1959, pp 1068-1070.

CB

Sci  
Oct 60

129,974

A Study of the Oxidation of  $\text{TiCl}_3$  With Isopropyl-  
zene Hydroperoxide in Aqueous and Hydrocarbon Me-  
by G. P. Belonovskaya, B. A. Dolgoplosk, Zh. D.  
Chernova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1,  
1959, pp 105-108.

CB

Sci  
Oct 60

129,932

Dolgoplosk, B. A. and Tinyakova, Ye. I.  
THE MAIN TYPE OF REDOX SYSTEMS FOR THE  
INITIATION OF RADICAL PROCESSES IN AQUE-  
OUS MEDIA AND HYDRO-CARBON MEDIA AND  
THE MECHANISMS OF THEIR EFFECTS. [1960]  
12p. 30 refs.

Order from SLA mi\$2. 40, ph\$3. 30 60-18536

Trans. of [Gummi und Asbest] (West Germany) 1959,  
v. 12, p. 422-426.

(Chemistry--Organic, TT, v. 5, no. 7)

60-18536

1. Oxidation-reduction  
reactions--Analysis
  2. Vulcanization--Analysis
  3. Polymers--Decomposition
- I. Dolgoplosk, B. A.
  - II. Tinyakova, Ye. I.

Office of Technical Services

/

Role of Hydrogen Disulfide in the Vulcanization  
Process, by E. I. Tinyakova, E. K. Khrennikova,  
B. A. Dolgoplosk, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 9, Sep 1956, pp 1152-1154.

Consultants Bureau

Sci - Chem  
Jul 57/cms

50,538

Oxidation-Reduction Systems for Initiating Radical Processes. 6. Systems with Participation of Oxygen for Initiation of the Process of Oxidative Break-down of Polymers, by E.I. Tinyakova, S.A. Dolgoplosk, V.R. Raykh, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1957, pp 1111-1121

Consultants Bureau

Sci - Chem

May 59

87,195-

Inhibition Mechanism of Chain Reactions of  
Radicals, by B. A. Dolgoplosk, et al.

RUSSIAN, bk, Voprosy Khimicheskoi Kinetiki  
Kataliza i Reaktsionnoi Spozobnosti, Akad Nauk  
SSSR, Moscow, 1955, pp 303-321.

Natl Res Council, Canada  
TR No 763

Sci - Physics

Apr 60

112,637

Oxidation-Reduction Systems for the Initiation  
of Free-Radical Processes. Communication 1.  
Reversible Systems in which Organic Hydroperoxy-  
ides, Dienols, and Salts of Metals of Variable  
Valence Take Part, by G. P. Belcnovskaya, B. A.  
Dolgoplosk, E. I. Tinyakova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 11, 1956, pp 1478-1486.

Consultants Bureau

Sci - Chem

Jun 58

65, 487

Reaction of Free Radicals in Solutions. Configuration  
8. Reactions of Free 1-Cyano-1-Methylethyl and  
Methyl Radicals with 1-Heptene,  $\alpha$ -Methylstyrene,  
and Isobutene, by E.B. Milovskaya, B.A. Dolgoplosk,  
B.L. Brusilinsky, pp 12.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 4, 1957, pp 494-502.

Consultants Bureau

Sci - Chem

May 59

87,213

The REactions of Free Radicals in Solution. The Interaction of Free Radicals with Internal and External Double Bonds, by E. B. Milovskaya, B. L. Erusalimskiy, B.A. Dolgoplosk, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 2, 1958, pp 336-338.

Consultants Bureau

Sci - Chem

22/6/59

90,024

Dolgoplosk, B. A.

QUANTITATIVE DETERMINATION OF DIOLEFINS BY  
HYDROGENATION. [1961] 10p 18 refs

Order from OTS, SLA, or ETC \$1.10 TT-61-16600

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4]  
no. 5, p. 11-18.

DESCRIPTORS: \*Dienes, Hydrogenation, Quantitative  
analysis,

(Chemistry--Analytical, TT, v. 11, no. 3)

TT-61-16600

I. Dolgoplosk, B. A.

Office of Technical Services

*min*  
Oxidation-Reduction Systems for the Initiation of Free-Radical Processes. Communication 2, Initiation of Polymerization in Aqueous Emulsions by Reversible Systems at Temperatures Below 0°, and a Study of the Microstructure of the Polymer Chain, by G. P. Belonovskaya, B. A. Golgoplosk, E. I. Tityakova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1957, pp 65-69.

Consultants Bureau

Sci - Chem  
May 59

86, 911

①  
Oxidation-Reduction Systems for the Initiation  
of Free-Radical Processes. Communication 8.  
Mechanism of the Action of a System Containing  
Ethylenediamine and a Hydroperoxide, by G. P.  
Balcnovskaya, B. A. Dolgoplosk, Zh. D. Vasyurin  
M. N. Kulakova, 11 pp. ②

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 1, 1958, pp 24-34.

Consultants Bureau

Sci - Chem

May 59

86,900

Oxidation-Reduction Systems for the Initiation  
of Free-Radical Processes. Communication 5.  
Oxidation-Reduction Systems for the Vulcaniza-  
tion of Rubbers in Hydrocarbon Solutions,  
by E. I. Tinyakova, B. A. Dolgoplosk, V. N.  
Reykh, 8 pp.

R  
RUSSIAN, xrf, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 7, 1957, pp 851-857.

Consultants Bureau

Sci - Chem

May 59

87,025

The Cage Effect and the Thermal Stability of  
Polymers, by B. A. Dolgoplosk, B. L. Erusalimskiy,  
E. B. Milovskaya, G. P. Belonovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4,  
1958, pp 783-788.  
5

Consultants Bureau

Sci - Chem

Jun 59

88,770