

*Introduction*

*A. N.*

Theory of Quantized Fields, by Bogol'ubov,  
Schirkov

RUSSIAN, bk,

Interscience Publishers

memo from Bucans 15 Jan 58 (Ralph E O'Dette, FSI)

61-15349

Bogolyubov, N. N., Zubarev, D. N., and  
Tserkovnikov, Yu. A.

ON THE THEORY OF PHASE TRANSITIONS (K  
Teorii Fazovogo Perekhoda) tr. by Lydia Venters.  
Oct 58, 11p. 3 refs.

Order from LC or SLA ml\$2.40, ph\$3.30 AEC-tr-4205

Trans. of Joint Institute for Nuclear Research (USSR).  
[Repr.] P-110, 1957.

A model is discussed that allows one to obtain asymptotically accurate expressions for thermodynamic functions, which correctly reflect the thermodynamic properties of the superconductors.

1. Phase transitions--  
Mathematical analysis
2. Superconductivity--Theory
3. Superconductors--Thermodynamic properties
  - I. Bogolyubov, N. N.
  - II. Zubarev, D. N.
  - III. Tserkovnikov, Yu. A.
  - IV. AEC-tr-4205
  - V. Argonne National Lab.,  
Lemont, Ill.
  - VI. JINR P-110

Office of Technical Services

(Physics--Thermodynamics, TT, v. 5, no. 8)

On the Theory of Phase Transitions, by N. N. Bogoliubov,  
D. N. Zubarev, Yu. A. Tserkovnikov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 5, 1957,  
pp 788-791.

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol II, No 6

Sci - Physics  
Jul 58

67,192

On a New Method in Superconductivity Theory, III.  
by N. N. Bogolyubov.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,  
No 1, 1958, pp 73-79.

MIT Lincoln Lab

SLR R-3770

Sci - Phys

Apr 58

62,149

13 265

Ca-1

BOGOLYUBOV N. N.

Kinetic equations in the theory of super-flow

Zhur. Eksptl'. i Teoret. Fiz., 18, No. 7, 622-630 (1948)

TT 518 - English

E u r a t o m

Nikolai Nikolaevich Bogolyubov (On the Occasion  
of His Fiftieth Birthday), by Yu. A. Mitropol'skiy,  
S. V. Tyablikov, 6 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 1,  
1959, pp 159-164.

AIP  
Scr Phys-Uspekhi  
Vol II (69), No 5

Sci

Nov 60

132.154

Asymptotic Methods in the Theory of Nonlinear  
Oscillations, by N. M. Bogolyubov, Yu. A.  
Mitropol'skiy, 455 pp, (AF 697966).

RUSSIAN, bk, Asimptoticheskiye Metody v Teorii  
Nelineynykh Kolebaniy, Moscow, 1955, 447 pp.

ATIC F-TS-9082/V

Sci - *Physics*  
Oct 57

53,566

NLL (loan)

An Asymptotic Approximation Method for a System  
With Rotating Phases and Its Application to the  
Motion of a Charged Particle in a Magnetic  
Field, by N. N. Bogolyubov, D. N. Zubarev, 25 pp.

UKRAINIAN, per, Ukrain Mat Zhur, Vol VII, 1955,  
pp 5-17.

AEC NP Tr-423

Sci - Math  
Aug 60

124,012



Asymtotic Methods in Theory <sup>of</sup> Nonlinear  
Vibrations, by N. N. Bogolyubov,  
Mitropolskii.

RUSSIAN, bk, Asimptoticheskiye Metody  
v Teorii Nelineynykh Kolebaniy, Moscow,  
1958, pp 1-537.

190,906

\*possibly Stanford Univ  
Press or Gordon and  
Brench or ~~Minister~~  
~~Publ-Scp~~

11 Mar 60

~~Bogolyubov, N[ikolay] N[Nikolaevich] and~~  
~~Mitropol'skiĭ, Y[urii] A[Aleksievich].~~  
ASYMPTOTIC METHODS IN THE THEORY OF NON-  
LINEAR OSCILLATIONS, 2D REV. ED. Vol. 10 of  
Russian Monographs and Texts on Advanced Mathemat-  
ics and Physics, 1962, 547p.  
Order from GB \$25.00

Trans. of mono. [Asimptoticheskie Metody v Teorii  
Nelineinykh Kolebaniĭ, 2d rev. ed. Moscow] n. d.

DESCRIPTORS: \*Nonlinear systems, \*Oscillation,  
Theory, Frequency, Series expansion, Differential  
equations, Numerical analysis.

(Mechanics, TT, v. 8, no. 4)

62-17055

- I. Bogolyubov, N. N.
- II. Mitropol'skiĭ, Y. A.
- III. Title: Russian. . .
- IV. Gordon and Breach Publishers,  
Inc., New York

0222050

Office of Technical Services

On the Biological Activity of the Humic Acids  
From Soil and From Peat, by V. A. Biber, N. S.  
Bogolyubov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVIII,  
1951, p 313.

Dept of Int  
US Bur of Mines  
Central Experiment Sta  
Pittsburgh, Pa. No 373

Sci - Chem

May 59

87,706

An Electrolytic Cell Having a ...  
Amount of Distortion, by V. S. Shannyev  
Shannyev. USCL

RUSSIAN, per, Elektrichestvo, No 10, 1954,  
pp 68-72.

DSIR Lending Library Unit M. 30

Sci - Electron  
Apr 59

83,934

Of Humic Coals and the Types of Structures of Certain  
Thick Coal Seams of Mesozoic Age, by V. S. Yablokov,  
L. I. Bogolyubova, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser, Geolog, No 5,  
1960.

AGI

Sci  
Mar 62

*186,134*

The Petrogenetic and Chemical Characteristics  
of Certain Types of Brown Coal Substance, by  
L. I. Bogolyubova, 8 pp.'

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 11,  
1959, pp 52-65.

AGI

Sci

Jun 61

158, 005

The Localization of Tetracyclines in the Bone  
Tissue as Determined by the Fluorescence Method,  
by V. I. Bojko, 6 pp.

RUSSIAN, per. Antibiotiki, Vol IV, No 3, 1959,  
XIV:3. pp 44-49.

CB

164,450

Sci

Aug 61.

The Mannic Acid of Estuarine Mud and Its Biological Activity, by V. A. Biber, N. S. Bogolyubova.

Full translation.

RUSSIAN, paper, Dokl Akad Nauk SSSR, Vol LXXXII, No 6, 1952, pp 939-942. (48.0d)

*oo-op Tr Sci 10/16*

CTS No 16

*Fr. (450d.)*

USSR

Scientific - Biology

*2700*

Jun 53 CTS

(Cooperative Translation Scheme)



An Electrolytic Tank with Walls Having the Least  
Amount of Distortion, by V. E. Bogolyubov,  
Yu. M. Shamuyev, 14 p.

RUSSIAN, per, Elektrichestvo, 1954, No 10,  
pp 68-72.

SLA 59-18657

Sci  
Mar 60  
Vol 2, No 11

109,540

A New Modification of the Capacitor Method of Contact  
Potential Difference Measurement and Its Application  
to the Investigation of ~~Sem~~ Semiconductor Contact  
Potentials, by V. F. Bogolyubov, 5 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol II, No 3,  
1957, pp 323-327.

*ATS RJ-903*  
Assoc Tech Sv 41J16R

Sci

Aug 58

*68,666*

An Asymptotically Exact Solution (of) the Model  
Hamiltonian of the Theory of Superconductivity,  
by N. N. Bogolyubov, D. N. Zubarev, Yu. A.  
Tsarkovnikov, 6 pp.

RUSSIAN, per. Zhur Eksp. i Teoret. Fiz., Vol XXIX,  
No 1 (7), 1960, pp 120-129.

AIP  
Sov Phys-JETP  
Vol XII, No 1

*144, 042*

Sci

Feb 61

Lectures on Quantum Statistics, by  
N. N. Bogolyubov.

UKRAINIAN, <sup>bK</sup>~~SR~~, Lekviyie Kvantovowii  
Statistike, 1949.

\*MIT

(per phone call  
26 Jul 1962)

(not through CIA)

Green's Functions and Distribution Functions in the  
Statistical Mechanics of Classical Systems, by  
N. N. Bogolyubov (Jr), B. I. Sadovnikov, 7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Phys, Vol XLIII,  
No 2, 1962, 677-688.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XVI, No 2

Sci

233,258

Feb 63

Theory of  $\delta$  Dispersion Relations, by H. P.  
Bogolyubov, B. V. Medvedev, M. K. Polivanov.  
200 pp.

RUSSIAN, bk, 1958., Voprosy Teorii Dispersionnykh  
Sootnoshenii. 9082219

AEC UCRL-Trans-499(1)

dec CB

Sci  
Jun. 61

155,936

Theory of Superconductivity, by N. N. Bogolyubov,  
11 pp.

RUSSIAN, per, Nauka i Zhizn, No 8, 1958, pp 17-20.  
9668363

FTD-TT-62-1714

Sci-phys  
apr 63

229,436

10 248

US-2

N. N. BOGOLYUBOV, D. N. ZUBAREV

An asymptotic approximation method for a system with  
rotating phases and its application to the motion of a charged  
particle in a magnetic field

Ukrain. Mat. Zhur., 7, 5-17 (1955)

NP-tr-423. English

E u r a t o m



10 601

US-4  
US-5

N. N. BOGOLYUBOV, V. G. SOLOVIEV

On a variational principle in the many body problem

Joint Institute for Nuclear Research (USSR), 1958, P-262

NP-tr-229. \$ 1.80 (ph), \$ 1.80 (mf), 59-16396 - English

E u r a t o m

Magnetic Equations in Quantum Mechanics, by  
N. N. Bogolyubov, K. P. Gurov, 6 pp.

RUSSIAN, par, Zhur Eksper i Teoret Fiz, Vol XVII,  
No 7, 1947, pp 614-628.

MDF B-150

Sci

9092600

OSB, Vol III, No 7

61-12702

133,032

Nov 60

Still Another Secret of Nature has been  
Uncovered-Theory of Superconductivity, by  
N. Bogolyubov, 6 pp.

RUSSIAN, per, Tekhnika Molodezhi, Vol XXVI,  
No 4, 1958, pp 9681611

FTD-TT-62-1713

Sci-Phys  
May 63

229,514

Introduction to Non-Linear Mechanics, by H. Kryloff,  
H. G. Bogolubov

Full translation.

RUSSIAN, per, Ukr Akad Nauk, Ann. Phys Math,  
Vol I-II, 1937, Ukr Akad Nauk Rap, No 8, 1934.

Princeton University Press Tr No OT/358

Scientific - Physics  
Index Aeronautics  
Jun 53 CTS/DEX

2300

The General Meeting of the USSR Academy of  
Sciences (S-5 February 1964)  
The State and Development of Science and the  
Major Scientific Achievements in the Nation  
in 1963, The Division of Mathematics, by  
N. N. Bogolyubov, 5 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 4,  
1964.

JPRS 25717

Sci  
Aug 64

264,524

The Method of Dispersion Relations and  
Perturbation Theory, by N. N. Bogolyubov,  
A. A. Logunov, D. V. Shirkov, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXXVII, No 3(9), 1959, pp 805-815.

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

Sci

113,973

Apr 60

Separated and Advanced Green Functions in  
Physics, by N. H. Bogolyubov, S. V. Shubin,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI,  
No 1, 1959, pp 53-.

Amer Inst of Phys  
Vol IV, No 3

Sci

Jun 60

104,976

Dispersion Relations for Weak Interactions, by N. N. Bogolubov, S. M. Bilen'kiĭ, A. A. Logunov, 3 pp.

*the same*  
RUSSIAN, *the same* per, Dok Ak Nauk SSSR, Vol CXV, No <sup>5</sup> 1, 1957, pp 891-893.

*Joint Inst for Nuclear Research*  
Amer Inst of Phys  
Sov Phys "Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,709



10 677

GE-1

N. N. BOGOLYUBOV, A. A. LOGUNOV, D. V. SHIRKOV

The method of dispersion relations and the theory of  
perturbation

Die Methode der Dispersionsrelationen und die Störungstheorie

Zhur. Eksptl'. i Teoret. Fiz., 37, 805-815 (1959)

Physikalische Abhandlungen aus der Sowjetunion, 2, No. 3,  
187-200 (1960)

302 - German

E u r a t o m

New Theory on Supra-Fluidity and the Heavy  
Atomic Nucleus, by H. N. Bogolyubov, 9 pp.  
SECRET

GERMAN, par, Mitteil der Wissenschaft Sektion der  
Osterreich-Sowjet Gesellschaft, No 15, Jan 1959.

AF 1299869

Sci - Nuc Phys  
Jul 59

91,060

On an Application of Perturbation Theory to the  
Polar Model of a Metal, by N. N. Bogoliubov,  
S. V. Tiablikov, 10 pp.

RUSSIAN, no per, Zhur Eksper Teoret Fiz, Vol XIX,  
No 3, 1949, pp 251-255.

*7/11/58*  
SLA R-1489

May 58

*63,329*

About the New Method in Theory of Superconductivity,  
I, by N. N. Bogolubov, 17 pp.

RUSSIAN, manuscript, Oct 1957.

SLA R-3086

Sci

Jul 59

91, 311

About New Method in the Theory of Superconductivity.  
III, by N. N. Bogolubov.

RUSSIAN, manuscript, Oct 1957.

SLA R-3081

Sci

Jul 59

91,312

The Multiplicative Renormalization Group in the  
Quantum Theory of Fields, by N. N. Bogolubov,  
D. V. Shirkov, 8 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz,  
Vol XXX, No 1, Jan 1956, pp 77-86.

Amer Inst of Physics  
Vol III, No 1  
Soviet Physics, JETP

Sci - Physics  
Apr 57 CRS

46,514

Approximate Method of Finding the Lowest Electron  
Energy Levels in a Metal, by N. N. Bogoljubov,  
S. V. Tiablikov, 24 pp.

RUSSIAN, no per, Zhur Eksper, Teoret Fiz, Vol XIX,  
No 3, 1949, pp 256-268.

*[Handwritten signature]*  
SLA R-1487

May 58

63,328

The Compensation Principle and the Self-  
Consistent Field Method, by R. N. Bogolyubov,  
19 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVII, No 4,  
1959, pp 549-

AIP  
Sov Phys-Uspekhi  
Vol II (67), No 2

Sci

132, 146

Nov 60



On a Variational Principle in the Many Body  
Problem, by N. N. Bogolyubov, V. G. Solov'ev,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, 1959,  
pp 1011-1014.

AEC/EP Tr 229

Sci - Phys

May 59

87, 864

Problems of the Theory of Superfluidity of  
Bose and Fermi Systems, by N. N. Bogolyubov, 11 pp.

RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1958,  
pp 25-29.

SLA 59-10407

Sci - Physics  
Sep 59  
Vol II, No 2

98,692

On the Analytical Continuation of Generalized Functions, by H. N. Bogolyubov, V. S. Vladimirov; Calculations in the Region of Analytics: Addendum to the Article on "Analytical Continuation of Generalized Functions," by V. S. Vladimirov.

RUSSIAN, Joint Inst of Nuc Res, Moscow, 1958.

Sci. - NucPhys

Apr 1959

AEC Tr 3586  
FDD-X-3586  
84,244

{FDD 18398}

Nikolay Matrofanovich Krylov (on the Occasion of his 70th Birthday), by N. N. Bogolyubov, 6 pp.

RUSSIAN, bino per, Uspekhi Matemat. Nauk, Vol V, No 1, Moscow/Leningrad, Jan/Feb 1950, pp 230-233.

CIA/FDD/U-5147

USSR.  
Sci - Math

8808

On a New Form of Adiabatic Perturbation Theory in the  
Problem of Particle Interaction With a Quantum Field,  
by N. N. Bogolyubov

RUSSIAN, per, *Ukrainskiy Matematicheskiy Zhurnal*, Vol  
II, No 2, 1950, pp 3-24. *CIA D 9003035*

*B-116 #12.50*  
Morris D. Friedman  
Two Pine Street  
West Concord, Mass.

Scientific - Physics

*32,696*  
*32829* Apr 56

A New Method in the Theory of Superconductivity,  
by E. H. Bogolyubov, V. V. Tolmachev, D. V.  
Shirkov,

RUSSIAN, bk, Novyy Metod v Teorii Sverkhprovodim-  
osti, 1958, 130 pp.

2419 207 11/1959  
Consultants Bureau  
\$5.75

Sci - Phys, Electron

87, 925

May 59

V  
Causality Conditions in Quantum Field Theory, by N. N. Bogolyubov, 10 pp.

Full tr

RUSSIAN, bino per, Iz Ak Nauk, Ser Fiz, Vol XIX, No 2, 1955, p 237. CIA C 42795

Columbia Tech Tr

36, 413  
Scientific - Physics, Min/Metals  
Jun 56 CTS/dex

On the Representation of ~~Linear~~  
Functions by Functional Integrals, by N. N.  
Bogolubov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCIX,  
No 2, 1954, pp 225, 226.

Insdoc

Hillside Road  
New Delhi-12, India

Sci - Physics  
Oct 1955 GTS/dec

39,852



Kinetic Equations in the Theory of Super-Flow,  
by N. N. Bogolyubov, 17 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,  
Vol XVIII, No 7, 1948, pp 622-630.

Sci Mus Lib No 55/1122

Nat Res Lib TT-518

(Covers)

CIA DIS 138

Sci - Physics  
CTS 71/Aug 1955

25,739

On a New Method in Superconductivity Theory, I, by  
N. N. Bogolyubov.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,  
No 1, 1958, pp 58-65.

MIT Lincoln Lab

Sci - Phys

Apr 58

→ SLAR-3209

AEC NP-TR-91

print = not for nuclear use

62,143

The Wave Function of the Lowest State of a  
System of Interacting Base Particles, by  
N. N. Bogolubov, D. N. Zubarev, 8 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret. Fiz.,  
Vol XXVIII, No 1, 1955, pp 129-139. CIA C 40845

American Inst of Physics  
57 East 55 St.  
New York 22, N. Y.

Scientific - Physics

31, 265

Quasi-averages in Problems of Statistical  
Mechanics, by N. N. Bogolyubov.  
RUSSIAN, par, Ob'edinennyi Institut Yadernykh  
Issledovaniy D 761, 1961,  
NLE RES 2474 (On Loan or Purchase)

Aug 65

286,979

*N.N. Bogolyubov*

Perturbation Theory Method of a Degenerate Level  
in the Polar Model of a Metal, by N. H. Bogolyubov,  
S. V. Tyablikov.

RUSSIAN, per, Vest Moskov Univ, No 3, 1949,  
pp 35-48.

MIT, Lincoln Lab

Sci - Phys

May 58

63, 944

ON THE REALIZATION GROUP IN QUANTUM ELECTRODYNAMICS, by N. N. Bogolyubov, D. V. Shirkov,  
9 pp.

*Electrodynamics*  
RUSSIAN, three-no per, Dok Ak Nauk SSSR,  
Vol CIII, 1955, pp 203-206. CIA 902305-0

AEC Tr 2639

Sci - Physics  
Jan 57 GTS

42, 201

Problems of Dynamic Theory in Statistical Physics,  
by N. N. Bogolyubov, 115 pp.

RUSSIAN, bk, Problemy Dinamicheskoi Teorii v  
Statisticheskoi Fiziki, Moscow-Leningrad, 1946.

AEC Tr-3852

Sci - Phys  
Aug 60

*\* 1946 - 1947  
= LA 61-1911  
also AF Cambridge  
Res Lab - Cambridge  
124,030 26*

Approximate Method of Finding the Lowest Energy Levels  
of Electrons in a Metal, by N. N. Bogolyubov, N. V.  
Tyubnikov.

RUSSIAN, per Zh. eksp. teor. fiz. Vol. 19, No. 5, 1969,  
pp 156-163  
OS 40/1350

N. N. Bogolyubov

Set -  
Aug 67

158-09



Approximate Method of Finding the Lowest Energy Levels  
of Electrons in a Metal, by N.N. Bogolyubov, S.V.

Tyablikov.

RUSSIAN, per Zh. eksp. teor. Fiz. Vol. 19, No. 3, 1949,

pp 256-268

GB 60/1550

*N N. BOGOLYUBOV*

Sci -  
Aug 67

338-492

(SF-2136)

Effect of KU-1 Cation Exchange Resin  
Treatment of Cow's Milk on Several  
Hygienic Indices of Such Milk, by  
A. V. Bogolyubova, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX,  
No 6, 1961, pp 67-70.

JPRS 12837

Sci - Biol

187,676

Mar 62

The Petrogenetic and Chemical Characteristics  
of Certain Types of Brown Coal Substance, by  
L. I. Bogolyubova, 8 pp.'

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 11,  
1959, pp 52-65.

AGI

Sci

Jun 61.

158, 005

The Question of the Degrees of Carbon-Fixation  
and the Stages of Development of the Brown  
Coals, -by L. I. Bogolyubova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 2,  
1959, pp 372-375.

AGI

Sci

Jun 61

152, 130

The Question of the Degrees of Carbonization  
and the Stages of Development of the Brown  
Coals, -by L. I. Bogolyubova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 2,  
1959, pp 372-375.

AGI

Sci

Jun 61

152,130

The Lengths and Azimuths of Parallels and  
Corresponding Geodesics, by N. S. Bogolyubova  
5 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Geodesiya i Aerofotos'yemka, No 4, 1962,  
pp. 19-26.

AGU

Sci

341, 285

Jun 63

(NY-4716).

On Plans and Coordination of Scientific Research  
on the Morphology of Agricultural Animals for  
the Years 1959-1965, by S. N. Bogolyubskiy,  
6 pp.

RUSSIAN, per, Arkhiv Anatomii, Gistologii, i  
Embriologii, Vol XXVIII, No 5, 1960, pp 124-126.

JPRS 5674

128,164

Sci - Biol  
Oct 60

Condensation of Thiolactams with Haloketones.  
By F. S. Babichev, V. A. Bogolyubskiy pp. 5

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol XXXII,  
No 9, 1962, pp. 2793 - 2796

CB

340, 435

Sci

Jul 63



Investigation of Nondiffusing Reducers for Multi-  
Layer Color Films, by XXV. A. Bogoliyubskii,  
G. P. Shumelyak, 10 pp.

RUSSIAN, per. Uspekhi Nauchnoi Fotografii, Vol VIII,  
1962, pp 61-66.

CIA/FDD XX-1453  
No Foreign Dissem

Sat - Physics  
Oct 63  
USIB Internal Use Only

240,406

Formation of Blue Dyes in Color Films Containing  
Alkylhydroquinones, by V. A. Bogolyubskii,  
XXL. V. Grechko, 3 pp.

RUSSIAN, per, Zh Nauch i Prik ~~EMU~~ Foto i  
Kine, Vol VII, No 6, 1962, pp 461-462.

CIA/FDD XX-1390  
NO FOREIGN DISSEM

Sci -  
Jul 63  
USIB Internal Use Only

236,038

Volcanic Facies in the Coal-Bearing Carboniferous  
Strata of the Northern Balkhash Region, by V. M.  
Bogomolov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1,  
1958, pp 153-155.

Consultants Bureau

Sci - Geophys

Jan 59

79,325

The Non-Reciprocal Phase Shifts and the Attenuation Coefficient in a Waveguide Containing a Ferrite Slab, by A. G. Gurevich, N. A. Bogomaz, 18 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 9, 1958, pp 1133-1143.

PP

Oct 59

99,190

A Semi-Conducting Sensitive Element for the Detection of Gamma Radiation, by A. M. Ryvkin, A. P. Bogomazov, B. M. Konovalenko, O. A. Matveyev, 2 pp.

RUSSIAN, per, Zhur Tekh Fis, Vol XXVII, No 7, 1957, pp 1601-1602.

Amer Inst of Phys  
Sov Phys-Tech Phys  
Vol II, No 7

Sci - Phys

May 58

66,516

Experience in the Study and Perfection of  
Nozzles for Axial Turbine-Type Machines,  
by R. R. M. Bogomazov, L. A. Dorfman, 15 pp.

RUSSIAN, per, Energiash, No 1, 1961, pp 8-12.  
9576286

FED-TT-61-410

Sci - Engr

192,673

Apr 62

Investigation of the Alkaloids of *Stizolophus*  
*Balsamita* (Lam), by A. D. Kuzovkov,  
P. S. Massagetov, R. I. Bogomazova, 2 pp.

RUSSIAN, no per, *Zhur Obshch Khim*, Vol XXIII,  
No 1, 1953, p 157.

Consultants Bureau

Scientific - Chemistry CTS/DEX

18,031

Investigation of the Alkaloids of *Stizolophus*  
*Balsamita* (Lam), by A. D. Kuzovkov,  
P. S. Massagetov, R. I. Bogomazova, 2 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII,  
No 1, 1953, p 157.

Consultants Bureau

Scientific - Chemistry CTS/DEX

18,031



New Variety of Winter Rye, by S. Bogomiyakov.

RUSSIAN, per, Selek i Semen, Vol XVIII, No 10,  
Oct 1951, pp 46-47. 61.9 Be 5

USDA Trans 328

USSR

Economic - Agriculture, rye  
Scientific - Biology, rye

487

Imitative Conditioned Reflexes in Fishes, by  
E. M. Bogomilova, S. A. Saakian, L. B. Kozarovitsky,  
6 pp.

RUSSIAN, PER, Ikhtiologicheskaja Komissia Akademii Nauk  
Nauk SSSR, Trudy Soveshchani, No 8, 1958, pp 51-54.

Fisheries Research Board of Canada  
St. Andrews, Manimo and St. John's  
Stations

Sci  
Feb 64

Effect of Speed of Vat Machines on the Mechanical  
Properties of Board, by G. M. Bogozol,  
RUSSIAN, per, Bumashnaya Promyshlennost, No 5,  
1965, pp 5-8.  
NLL RTS 3876  
On Loan Only

*G. M. Bogozol*

Sci-Mech  
Jul 67

330,229

Concerning the Curative Effect of Antireticular  
Cytotoxic Serum, by A. A. Bogomolets, 35 pp.

RUSSIAN, Plenary Session of the Medical Board  
of the People's Commissariat for the Protection  
of Health of the Ukrainian SSR, 24 Apr 1940.

Sci Trans Center  
RT-2073

Scientific - Medicine  
CTB 70/Jul 55

25,445

Anti-Ray Effect of Gallates Conditions of  
Irradiation With 1000 Roentgens,  
by V. A. Baraboy, O. O. Bogomolets<sup>1</sup>, 7 pp.  
UKRAINIAN, per, Viz Zhur Ak Nauk  
Ukrayins RSR, Vol X, No 1, 1964, pp 89-93.  
JPRS 25274

35

Sci - Med  
Jul 1964

262,646

(177-1878)

ON THE INTERRELATIONSHIPS OF LIVING CELLS AND  
THE ENVIRONMENT (A REPORT TO THE SIXTH CONGRESS  
OF THE UKRAINIAN SOCIETY OF PHYSIOLOGISTS,  
ODESSA, 1961), BY D. S. VERONTSOV, O. O. BOGOMOLETS,  
11 PP.

UKRAINIAN, PER, FIZIOLOGICHESKY ZHURNAL, VOL VIII,  
NO 1, 1962, PP 13-20.

JPRS 14068

SC1 - MED  
ANN 62

208,416

(NY-651/5)  
5

Effect of X-Ray Irradiation on the Membrane  
Potential and Concentration of Sodium and  
Potassium in Frog Muscle Fibers, by V. I.  
Bogomolets', 12 pp.

RUSSIAN, per, Fiziol Zhur, Vol VII, No 2,  
Mar/Apr 1961, pp 214-219.

JPRS 9971

167,901

Sci - Biol  
Sep 61

Conclusions Prompted by Experience, by L. B.  
Bogomol'nyy, 4 pp.

RUSSIAN, no per, Vest K Voz Flot, No 5, 1957, pp 69-78.  
CIA 605722

ATIC

60,932

USSR  
Military  
Mar 58



Free Radical Reactions in Solutions. XVIII. The Relative Activity of Free  $\text{CH}_3$  and  $(\text{CH}_3)_3\text{CO}$  Radicals in the Removal of a H Atom ~~XXXX~~ from Hydrocarbons, by V. Ya. Bogomol'nyy, B. L. Erusalimskiy, et al, 6 pp.

RUSSIAN, per, Zhur Obshhh Khim, Vol XXXI, No 8, 1961, pp 2675-2681.

CB

Sci  
Jul 62

205,282

Thermocatalytic Conversion of Polycyclic Naph-  
thenes From Crude Oil and the Question of Their  
Genesis, by A. I. Bogomolov, K. I. Panina, et al.  
20 pp.

RUSSIAN, per, Trudy Vsesoyuznyi Neftyanoi Nauchno-  
Issledovatel'skii Geologo Razvedochnyi Institut,  
No 155, 1960, pp 194-212.  
ETC TT-63-27102

*A. I. Bogomolov*

Sci/B&M  
Jun 67

329,194

S-984/63

Low Temperature Catalytic Conversions of Organic  
Compounds Over Clay. III. Conversion of Waxes, by  
A. I. Rogomelov, K. I. I. Panina. SP-2880 11/88

RUSSIAN, per, Trudy Vses Neftyanoi Nauchno-Issled  
Geologo-Furvedobnyy Inst, Geokhemiicheskiy Sbornik,  
Issue 174, No 6, 1961, pp 26-34.

4JPS  
SPECIAL

Sci-Chem  
Oct 63

S-984/63

Low-Temperature Catalytic Conversions of Organic Compounds Over Clay. II. Conversion of Oleic Acid, by A. I. Bogdanov, K. I. Panina. SF-2880 11/80

RUSSIAN, per, Trudy Vses Neftyanoi Nauchno-Issled Geologo-Razvedochnyi Inst, Geokhimiicheskiy Sbornik, Issue 174, No 6, 1961, pp 17-25.

✓  
\*JPRS  
\*SPEDICAL

Sci-Chem  
Oct 63

S-984/63

Low-Temperature Catalytic Conversions of Organic Compounds Over Clays (Conversion of Stearic Acid), by I. A. I. Bogomolov, et al. SF-2880 33 pg.

RUSSIAN, per, Trudy Vses Neftyanoi Nauchno-Issled Geologo-Burvodochnyi Institut, Geokhemiicheskiy Sbornik, Issue 155, No 6, 1960, pp 163-193.

✓  
\*JPRS  
SPECIAL

Sci-Chem  
Oct 63

A. I. Bogomolov

Low Temperature Catalytic Transformations of Organic  
Compounds on Clays. Reactions of Abietic Acid, by  
A. I. Bogomolov.

RUSSIAN, per, Trudy Vsesoiuznyi Neftianoi Nauchno-  
Issledevatalskiy. Geologo-Razvedochnyi Institut,  
No 212, 1963, pp 77-86.

\*NTIS TT 71-51021

Dec 71

S-984/63

Low-Temperature Catalytic Conversions of MEK Mixed  
Naphthalene-Aromatic Hydrocarbons of Oil in Connection  
With the Problem of Their Genesis, by A. I. Bogomolov  
K. I. Panina. ~~SF-2888~~ ~~288~~ 2880 1419

RUSSIAN, bk, Nishotemperaturnyye Kataliticheskiye i  
Prevrashcheniya Uglevodородov, Leningrad, 1962,  
pp 82-95.

JPRS  
SPECIAL

Sci-Chem  
Oct 63

S-984/63

Contact-Catalytic  $\text{H}$  Conversions of Cetane, by A. I. Bogdanov, L. I. Khotyntseva. SF-2880 *988*

RUSSIAN, bk, Nizhnotemperaturnyye Kataliticheskiye Prevrashcheniya Uglevodородov, Leningrad, 1962, pp 54-62.

*2*  
SPTS  
SPECIAL

Sci+Chem  
Oct 63



Low-Temperature Catalytic Conversions of High-Molecular  
Naphthene Hydrocarbons from Petroleum in Presence of  
Natural Clay, by A.I. Bogomolov, K.I. Panina, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 12, 1960,  
pp 2757-2761.

CB

ATS  
172,800

Sci

Oct 61

Group Composition of Some Petroleums of North-Eastern  
Caucasus and a New Type of Petroleum, by A. I.  
Bogomolov, P. F. Andreyev, 2 pp.

RUSSIAN, no per, Zhur Prik Khim SSSR, Vol XXIX,  
No 6, Jun 1956, pp 957-958.

8

Consultants Bureau

47, 245

Sci - Chemistry  
May 57

Primary Bituminous Substances in the Series  
of Transformations of Organic Remains Into  
Petroleum, by A. I. E Bogomolov.

RUSSIAN, no per, Zhur Prik Khin, Vol XXVII,  
1954, pp 1012-1016.

*041305*

*Consultants Bureau*

Assoc Tech Sv RJ-243  
\$7.95

Scientific -- ~~Chemistry~~  
CIS 73/Oct 1955

*FIC/S*  
*27,485*

The Transformation of High-Melting Ceresin Over  
Clays, by A. I. Bogomolov, A. I. Smirnova, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 6,  
1954, pp 673-676. CIA C 39522

Consultants Bureau

Scientific - Chemistry  
Nov 55 CTS/DEX

28,327

A TELEMETRY SYSTEM FOR OBJECTS HAVING A LARGER  
NUMBER OF RECEIVING POINTS THAN SENDING POINTS,  
BY A M. BOGOMOLOV, G. I. LITVINOV, 6 PP.

RUSSIAN, PATENT NO 141679 (663698/26) 16 APR 1960.  
9678393

FTD-TT-62-~~4~~ 969

SCI - ELECTRON  
12 OCT 62

212,803

Vibrational Spectra of Aromatic Compounds, VI.  
Calculation and Interpretation of the Vibrational  
Spectra of o-Xylene, by M. A. Kovner, A. M.  
Bogomolev, 3 pp.

RUSSIAN, per, Optika i Spektro, Vol VII, No 6,  
1959, pp 751-755.

OSA

Sci

149,524

Apr 61