

Determination of the Dependence of Phytoplankton
Photosynthesis on the Light Intensity in the
Water of the Sea of Japan and the Pacific
Ocean, by Yu. I. Sorokin, M. V. Kozlyaninov,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 5, Sep/Oct 1977, p 863.

5

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 300

e
Change in the Sugar Content of Biennials During
Vernalization, by A. S. Kruzhilin, Z. M. Shved-
skaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 5,
1957, pp 870-.

Amer Inst of Biol Sci

Sci - Biology
Jul 58

66,941

Metabolic Transformations of Methyl Alcohol Introduced
Into Fruits to Hasten Ripening, by Yu. V. Rakitin,
A. V. Krylov, G. A. Tarakanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 5,
1957, pp 874-~~878~~

Amer Inst of Biol Sci

Sci - Biology
Jul 58

★ DSIR/TEL 108

66,942

Characteristics of the Structure of Embryo Sacs
of *Fragaria Grandiflora* and Occurrence of Polye-
bryony, by M. P. Solntseva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 5,
1957, pp 866-.

Amer Inst of Biol Sci

Sci - Biology
Jul 58

66,934

Dynamics of Vitamin Content in Leaves of
Rust-Infected Wheat, by V. V. Filippov, L. N.
Andreyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 5,
1957, pp 879-.

Amer Inst of Biol Sci

Sci - Biology
Jul 58

66,932

Duration of Fertility in Sperms in the Genital
Ducts of the Female Guinea Fowl, by L. N.
Veitsman, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
5, Sep/Oct 1957, pp 882-883.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 288

Innervation of Supernumerary Limbs Formed in
Frogs Under Normal Conditions, by A. A. Voit-
kevich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 5, Sep/Oct 1957, pp 884-887.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 289

Bone Formation as Influenced by the Gall Bladder
Epithelium (Histogenesis and Histochemistry),
by A. Ya. Fridenshtein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
5, Sep/Oct 1957, pp 888.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 290

Distribution of Glycogen in the Organ of Corti
With and Without Sound Stimulation, by Ya. A.
Vinnikov, L. K. Titova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 5, Sep/Oct 1957, p 892.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 310

T/C of

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6, 1957

CIA/FDD/X-2920

Cauchy Problems for Second Degree Parabolic Equation
With Variable Coefficients, by Ya. I. Zhitomirskiy.
UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6, 1957.

P 913.

Navy Tr 1852/ JE T-23

Sci - Physics
Sep 58

" " 1934/ " "
OTS 59-11247

73, 629

On the inversion complexity of a system of a
system of functions, by Markov, A. A., 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 116, No 6,
1957, p 917-919.

SLA R-3436

Sci

Aug 59

OTS-61-10179
94, 337

Finite Sets and Scalar Products, by A. M. Molchanov.

RUSSIAN, Dok Ak Nauk UBSR, Vol CXVI, No 6, 1957,
pp 920-922.

~~Harold D. Friedman~~
MIT Lincoln Lab

Sci - Electronics, *Physics*
Mar 58

60,805

An Asymptotic Solution, with Three Arbitrary
Functions, of Equations of Unidimensional
Nonstationary Motion of a Gas, by Yu. L.
Yakimov, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 4, 1957, pp 937-944

b

Consultants Bureau

Sci - Physics

Aug 58

70,972

Negative K-Particle Capture With the Emission of
He², by B. P. Bannik, D. K. Kopylova, A. A. Nomofilov
4 pp.

RUSSIAN, Also per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 939-942.

Amer Inst of Phys
Sov Phys - "Doklady"
Vol II, No 5

Sci - Physics
Jun 58

65, 499

Dispersion Relations for the Scattering of K-Mesons
by Nucleons, by M. K. Polivanov, 3 pp.

RUSSIAN, ~~also per~~, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 943-945.

Amer Inst of Phys
Sov Phys - "Doklady"
Vol II, No 5

Sci - Physics
Jun 58

65,500

On the Interactions of Muons and Nucleons, by I. S.
Shapiro, E. I. Dolinskiy, L. D. Blokhintsev, 3 pp.

RUSSIAN, Memo per, Dok Ak Nauk SSSR, Vol CXVI, No 6.
1957, p 946.

Amer Inst of Phys
Sov Phys - "Doklady"
Vol II, No 5

Sci - Physics
Jun 58

65, 501

Regions of Distension in the Earth's Mantle,
by N. Ye. Mart'yanov, 4 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 949-951. CIA 9031058

Dir Sci Info Sv
DRB, Canada
T 275 R

Sci - Geophys
Aug 58

69. 4 218

The Role of the Maternal Organism in the Ir-
radiation Illness of Fetal Mice, by A. A.
Reifakh, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, Sep/Oct 1957, pp 952.

Amer Inst of Biol Sci

Sci - Med
Aug 58

1, 9, 282

0
On Equivalence Conditions of Statistical Properties of
Radio Engineering Circuits with a Large Number of
Random Parameters, by V. I. Siforov, I. B. Sindler,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6, 1957,
pp 956-959.

SLA R-3435

Sci

Aug 59

95, 261

Dehydroabietic and Palustic Acids -- Component
Parts of the Oleoresin of the Common Spruce (Picea
Excelsa Link.), by I. I. Bardyshev, M. A. Cherkas,
4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 959-960.

Consultants Bureau

Sci - Chem

Oct 58

74, 316

On the Question of the Spectral Method of
Establishing the Number and Position of the
Side Chains in Molecules of Benzene Homologues
by O. V. Bragin, V. L. Brudie, S. V. Zolotarev,
A. L. Liberman, O. S. Pakhorova, H. A. Popyel-
ishnikova, 8 pp.

RUSSIAN, Rev. Dok Ak Nauk, USSR, Ser. Chem.
No 6, 1957, pp 961-964.

Consultative Bureau

Sci - Chem

Oct 58

74, 517

On Cyano-Substituted Dialkyl Phosphites, by
Gilm Kamai, E. V. Kuznetsov, R. E. Volodinski,
4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXVI, No 2
1957, pp 965-968.

Consultants Bureau

Sci - Chem

Oct 58

74, 918

The Structure of 9-Aminoacridine According
to Spectral Data, by K. A. V. Karyakin,
A. V. Shablya, 4 pp.

R
Russian, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, 1957, pp 965-972.

Consultants Bureau

Sci - Chem

Oct 58

14,321

Individual Aromatic Hydrocarbons in the
Gasoline Fractions of Sakhalin Petroleums,
by N. E. Podkletnov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, 1957, pp 973-978.

Consultants Bureau

Sci - Chem

Oct 58

74,322

Properties of Ternary Alloys of the Diborides
of Titanium, Chromium, and Zirconium, by K. I.
Portnoy, G. V. Samsonov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, 1957, pp 976-978.

Co-op T-Sch 537
Brutcher Tr 4273
\$4.80

Sci - Min/Met

Sep 58

72,588

New Data on the Polymorphism of Sodium Carbonate,
by A. N. Khlapova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, 1957,
No 6, pp 979-

Consultants Bureau

Sci - Chem

Oct 58

74, 326

Indication of Radicals by Nuclear Resonance,
by L. I. Dekabrun and A. P. Purmal, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, 1957, pp 983-985.

AEC/TT-745
Consultants Bureau

Sci - Chem

Aug 58

73, 657

Application of the Thermal Factor in Gas
Chromatography, by A. A. Zhukhovitskiy
and N. M. Turkeltaub, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, 1957, pp 986-989.

Consultants Bureau

Sci - Chem

SLA 61-17357

Aug 58

73, 958

The Nature of the Surface of Dehydrated Silica
Gel, by K. G. Krasilnikov, V. F. Kiselev and
E. A. Sysoyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, 1957, pp 990-.

Consultants Bureau

Sci - *chem*

Aug 58

73, 959

On the Flora of the Beds of the Devonian-
Carboniferous Boundary in the Minusinsk Basin,
by A. R. Anan'ev, M. I. Graizer, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 997-1000.

Consultants Bureau

Sci - Geophysics

Oct 58

75, 258

The Distribution of Inoceramus in the Upper
Cretaceous of Northern Siberia, by XX V. I.
Bodylevsky, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 1001-1004.

Consultants Bureau

Sci - Geophysics

Dec 58

75, 251

Modern Vertical Movements of the Sea Coast in
the Far East, by V. I. Budanov, A. T. Vladimirov,
A. S. Ionin, P. A. Kaplin, V. S. Medvedev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 1005-1008.

Consultants Bureau

Sci - Geophysics

Oct 58

75, 252

The Spore-Pollen Characteristics of the Clastic
Rocks of the Lower Carboniferous in the Melekess
and Buzuluk Exploratory Drill Holes, by T.
Byvsheva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 1009-1011.

Consultants Bureau

Sci - Geophysics

Oct 58

75, 253

The Neogene Flora of the Gruzskoi Elanchik
River, Yu. V. Teslenko, 4 pp.

My
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 1012-.

Consultants Bureau

Sci - Geophysics

Oct 58

15, 254

Changes in the Activity of Acid Phosphatase in
Mesothelial Cells During Mitosis, by A. A.
Savinovskaya, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, Sep/Oct 1957, p 1018.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 284

60c

On the H Inheritance of Changes Brought About
by Grafting, by S. Ya. Krayevoi, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVI,
No 6, Sep/Oct 1957, pp 1022-1025.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 273

Influence of X-Rays on Seeds of Corn of Various
Degrees of Hybridization, by M. R. Sarich,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, Sep/Oct 1957, p 1028.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 294

On Phytoplankton Production in the Western North
Pacific Ocean in Spring 1955, by O. I. Koblents-
Mishke, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No
6, Sep/Oct 1957, p 1029.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69,301

The Water Regime of Plants From the Point of View of
Structural and Hydrophilic Viscosity of the Protoplasm,
by K. A. Badanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI, No 6,
1957, pp 1033-.

Amer Inst of Biol Sci

Sci - Biology
Jul 58

66,943

Food Habits of the Larva of *Ablabesmyia Monilis*
L. (Diptera, Tephritidae, by V. P. Luferov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, Sep/Oct 1957, pp 1036-1038.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 311

On Bream-Roach Hybrids (*Abramis brama* Damubii
Pavlov X *Rutilus rutilus* (Linne) From the
Kitai Estuary, by P. I. Pavlov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, Sep/Oct 1957, p 1039.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69,312

The Effect on the Nervous System of Missing
Limbs in Free Living Frogs, by A. A. Voit-
kevich, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVI,
No 6, Sep/Oct 1957, p 1041.

Amer Inst of Biol Sci

Sci - Med
Aug 58

69, 291

T/C of

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1, 1957

FDD/X-2920

Finitely-Defined Groups and Algorithms, by S. I. Adian.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1, 1977,
pp 9-12.

MIT Lincoln Lab

Sci - Phys

Apr 58

62,148

Numerical Integration of Parabolic Equations,
by V. K. Saulev.

RUSSIAN, per, Akademiya Nauk SSSR. Doklady,

Vol 117, 1957, pp 36-39.

NTC 71-13781-12A

AEC. UCRL - b - 10191 8 pp P911065468-Y

Feb 72

Yakubovich, V. A.
ON ONE CLASS OF NONLINEAR DIFFERENTIAL
EQUATIONS. [1961] [8]p. 5 refs.
Order from OTS or SLA \$1.10 62-10171

Trans. of Akademiya Nauk SSSR. Doklady, 1957,
v. 117, no. 1, p. 44-46.
Another trans. is available from OTS \$1.10 as
AD-264 069, STL-TR-61-5110-18, May 61, 8p.

DESCRIPTORS: *Non-linear differential equations,
Theory, Matrix algebra, Vector analysis, Numbers,
Special functions.

Lur ea method for determining the stability in the
large of solutions of nonlinear differential equations in
invariance form is presented. The question of stabil-
ity is considered in the large of the null solution,
x equals S equals 0, of the following system of dif-
(Mathematics, TT, v. 8, no. 9) (over)

62-10171

I. Yakubovich, V. A.

Office of Technical Services

An Example of Bifurcation that Does Not Give Rise
to Unstable Forms of Steady State Motion, by A. I.
Iu. Ishlinskiy, 8 pp.

RUSSIAN, ~~for~~ Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 47-49.

Consultants Bureau

Sci - Physics

~~CONFIDENTIAL~~ ATIC FTS-9955/V

Oct 58

74,385

On the Stability of One of the
Positions of Dynamic Equilibrium of
a Mechanical System, by M. E. Tem-
chenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol
CXVI, No 1, 1957, pp 50 -

Consultants Bureau

Sci - Physics

Oct 58

74,386

The Conversion Spectrum of Ho^{160} , by E. P. Grigoryev,
B. S. Dzhelepov, A. V. Zolotavin, B. Kratsik, B. K.
Preobrazhenskiy, I. S. Yanchevskaya, 5 pp.

CXVII,

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol ~~XXX~~, No 1, 1957,
pp 53-56.

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

Sci - Physics
Jul 58

67,177

On the Question of a Barrier-Layer Photoelectro-
motive Force in Photocells Containing Dyes, by
I. A. Karpovich, A. T. Vartanian, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 57-60.

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

Sci - Physics
Jul 58

DSIC 444 M. 2349
(Down)
67,178

A Radiochemical Investigation of the Reaction
 $\text{Si}^{30}(\text{p}, \pi^+)\text{Si}^{31}$, by G. Bekerskiy, A. K. Lavrukhina,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1, 1957,
pp 61-64.

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

Sci - Physics
Jul 58

67,179

On the Theory of Nonstationary Discontinuities in
Relaxing Fluids, by E. V. Stupochenko, I. P. Stakhanov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 65-.

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

Sci - Physics
Jul 58

67,180

Meteorology of an Interior Region of Eastern
Antarctica According to Observations at the
Pionerskaya Station, by A. M. Gusev, N. P.
Rusin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1
1957, pp 68-71.

Consultants Bureau

Sci - Geophysics

Oct 58

74,899

Electron Paramagnetic Resonance Spectra of
Irridated Denatured and Undenatured Proteins,
by L. A. Blyumenfeld, A. E. Kalmanson, 3 pp.

RUSSIAN, per Dok Ak Nauk, VOL CXVII, no 1,
1957, pp 72-

Amer Inst of Bio Sci

Sci - Medicine
Aug 58

68,927

Synthesis of the Alkaloid Yohimbine, by L. A.
Aksanova, N. A. Preobrazhenskiy, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXVII,
No 1, 1957, pp 81-83.

Consultants Bureau

Sci - Chem

Oct 58

74, 388

Selective Hydrogenation of Monosaccharides and Polyhydric Alcohols, by Academician A. A. Balandin, H. A. Vasyunina, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1, 1957, pp 84-87.

Consultants Bureau

Sci - Chem
Oct 58

74,389

Investigation of the Conditions of Formation and
of the Stability of Complex Oxalate Compounds of
Pu(III) in Aqueous Solutions, by A. D. Gelman,
N. N. Matorina, A. I. Moskvina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 88-91.

Consultants Bureau

Sci - Chem
Oct 58

74,390

Ferrocene Homologs With Tertiary Alkyl Radicals,
by A. N. Nesmeyanov, N. S. Kochetkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 92-94.

Consultants Bureau

Sci - Chem
Oct 58

74,391

SLA R-4175

Selective Reduction of Alkylfurylcarbinols to
Alkylfurans Over Palladium Catalyst, by N. I.
Gnukin, I. F. Bel'skiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 95-.

Consultants Bureau

Sci - Chem
Oct 58

74, 392

On the Structural Peculiarities of Molten Alloys
in Certain Binary Systems, by D. K. Belashchenko,
5 pp.

RUSSIAN, ^{SSSR} ^{CXVII.} ~~Ser~~, Dok Ak Nauk, Vol , 1957, p 98.

CIA/FDD/X-2966

USSR
Scientific

68,183

On the Potential Difference and Accumulation of the
Component Parts of the Solution in a Diffusion Layer
for Stationary Electrolysis, by A. N. Frumkin.

AK Nauk

RUSSIAN. per, Doklady, ~~AN~~ USSR, Vol CXVII, No 1.

1971, pp 102-103.

21A P-443

MIT-Lincoln Lab

~~Morris D. Friedman~~

Sci - Physics Electronics

MIT 60,553

Investigation of the Intermediate Stages
of Formation of Chlorophyll in Etiolated
Leaves by the Fluorescence Spectrum, by
F. F. Litvin and A. A. Krasnovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
1, 1957, pp ~~106~~ 106-.

Consultants Bureau

Sci - Chem

Aug 58

73. 668

Spores of the Sinian Deposits in the Yenisei
Range, by Yu. A. Alyushinsky, G. I. Kirichenko,
B. V. Timofeyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 111-114.

Consultants Bureau

Sci - Geophysics

ATS-RJ-1550

Oct 58

74,917

On the Paleobotanical Basis for Quaternary
Stratigraphy in the Northwestern Part of the
West Siberian Plain, by W. V. Golubeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 115-117.

Consultants Bureau

Sci - Geophysics

Oct 58

74,919

On the Composition of Obruchevite, A Hydrated
Uranium-Yttrium Pyrochlore, by A. P. Kalita,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 117-120/

Consultants Bureau

Sci - Geophysics

Oct 58

74, 894

The Nerve Supply of the Myocardium in Experimental Infarcts, by A. A. Kolosova, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXVII, No 1, 1957, pp 131-.

Acad Inst of Bio Sci

Sci- Medicine
Aug 58

68.95

On the Flight of Noctuids (Lepidoptera, Noctuidae) Towards Different Light Sources, by E. F. Klyuchko, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXVII, No 1, 1957, pp 134-

Amer Inst of Bio Sci

Sci - Medicine
Aug 58

65.931

Biochemical Mutants of Yeast Cells With Impaired
Oxidation, by G. F. Gauze, G. V. Kochetkova,
G. B. Vladimirova, & 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 1,
1957, pp 138-141. ~~222~~

CIA 2 24027

Amichur, 12.2.54
NIB

Sci - Med

OTS-TT-64-19444

Apr 58

61,789

Effect of Blocking Intracellular Structures
on Cell Resistance to Radiation, by M. N.
Maisei, N. A. Pozoshechnilova, T. G. Sokolova,
3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXVII, No 1.
1957, pp 142

Amer Inst of Bio Sci

Sci - Medicine
Aug 58

68,157

On the Role of Individual Organs in Ripening
of the Wheat Grain, by N. S. Petinov and A.
N. Pavlov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
1, 1957, pp 146-149.

Ames Inst of Biol Sci
~~Genetics Bureau~~

Sci - Biol

Aug 58

71,874

On the Influence of Soil Moisture Deficiency and
Nitrogen Nutrition on Microsporogenesis in
Barley, by F. D. Skazkin and I. G. Zavadskaya,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
1, 1957, pp 150-.

Amer Inst of Biol Sci
~~Consultants Bureau~~

Sci - Biol

Aug 58

71,875

Breeding Places of the Fur Seal (*Callorhinus Ursinus*) and Areas Inhabited by the Sea Otter (*Enhydra Lutra*) in the Kuriles and a Tentative Estimation of Their Numbers, by S. K. Klumov, 3 pp.

RUSSIAN, per, Dok Ak Nauk, vol CXVII, No 1, 1957, pp 153-.

Amer Inst of Bio Sci

Sci - Medicine
Aug 58

68,965

The Intestinal Parasites of Senior Yearlings of the
Rydinsk Reservoir, by G. P. Romanova, 4 pp.

RUSSIAN, per, Dok, Ak Nauk, Vol CXVII, No 1,
1957, pp 157

Amer Inst of Bio Sci

Sci - Medicine
Aug 58

68,957

T/C of

RUSSIAN. per, Dok Ak Nauk SSSR, Vol CXVII, No 2, 1957

FDD/X-2920

On the Use of the χ^2 Goodness-of-Fit as a Criterion
of Independence of Experiments, by G. P. Basharin.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Vol CXVII, No 2,
1957, pp 167-170.

MIT Lincoln Lab

Sci - Phys

Apr 58

62,139

On the convergence of the solution of a
difference equation to a solution of a
differential equation, by Zhulov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 117, 1957,
p 174-176.

SIA R-3493

Sci

Aug 59

94,342

Pliss, V. A.

AN INVESTIGATION OF ONE NONLINEAR SYSTEM
OF THREE DIFFERENTIAL EQUATIONS. [1961]

[9]p. 6 refs.

Order from OTS or SLA \$1.10

62-10172

Trans. of Akademiya Nauk SSSR. Doklady, 1957,
v. 117, no. 2, p. 184-187.

Another trans. is available from OTS \$1.10 as
AD-264 058, STL-TR-61-5110-19, May 61, 9p.

DESCRIPTORS: *Nonlinear differential equations,
*Differential equations, Functions, Integrals, Non-
linear systems.

Statements (without proof) are given for two lemmas
and twelve theorems yielding constraints on system
parameters and nonlinearity for asymptotic stability
in the large and boundedness of solutions of a system
of the following three Aizerman-type equations:
(Mathematics, TT, v. 8, no. 10) (over)

62-10172

I. Pliss, V. A.

Orig. Math. Soc

Office of Technical Services

on the E -entropy of certain classes of analytic
functions, by V. M. Tikhomirov.

~~Math. USSR Izv.~~ ~~Math. USSR Izv.~~, No 2,
1957, pp 191-194.

~~Harold D. Fiedman~~

MIT Lincoln Lab

Sci - Electronics
Mar 50

62, 506

On the Flow of a Conducting Fluid Around a
Magnetized Body, by A. G. Kulikovskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 199-202.

Morrid D. Friedman
K-172

Sci - Phys

Sep 58

MDF K-172
73, 747

On the Fluctuations of the Parameters of Certain
Linear Systems, by V. I. Bespalov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 209-212.

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

Sci - Physics
Jul 58

67,181

The Thermodynamics of Almost Perfectly Ordered
Solid Solutions, by M. A. Krivoglaz, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 213-.

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

Sci - Physics
Jul 58

67,182

Prediction of Precipitation in the Virgin
lands of Western Siberia and Kazakhstan, by
D. A. Drogaitsev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII,
No 2, 1957, pp 217-220

Consultants Bureau

Sci - Geophysics

Oct 58

74,900

On the Problem of the Preparation of Trivalent
Neptunium, by A. D. Gelman, M. P. Mafodyeva,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No ²~~1~~,
1957, pp 225, 226.

Consultants Bureau

ACC 3380

Sci - Chem

Oct 58

74, 393

Synthesis of the Alkaloid Ecotamins, by R. P.
Evstignayeva, Yu. Braier, N. A. Preobrazhenskiy,
4 pp. ²

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 227-229.

Consultants Bureau

Sci - Chem
Oct 58

74, 394

On the Diazotization of 2-P-Aminoarylindones.
Preparation of Azo Dyes Containing an Indene
Ring, by Ch. P. Ivanov, B. V. Alekseyev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 230-233.

Consultants Bureau

Sci - Chem
Oct 58

74, 395

On the Preparation of Acetone Cyanohydrin (α -
Hydroxyisobutyronitrile) From Acetone and Sodium
Cyanide, by Vl. Kabayvanov, M. Mikhailov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 234-236.

Consultants Bureau

Sci - Chem
Oct 58

74, 396

Synthesis of 4-Hydroxy-2,2,5,5-Tetraalkyl-3-⁵
Furanidones by Reduction of 4-Isonitroso-2,2,5,5-⁴
Tetraalkyl-3-Furanidones, by I. K. Korobitsyna,
I. G. Zhukova, V. V. Voronkova, Yu. K. Yuryev,
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 237-240.

Consultants Bureau

Sci - Chem
Oct 58

74,397

Synthesis of Acetyl-2-Chlorocycloalkenes, by N. K. Kochetkov, E. E. Rifaityev, V. N. Shibaev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2, 1957, pp 241-244.

Consultants Bureau

Sci - Chem

Oct 58

74, 398

Preparation of Compounds With Silthiane-Carbon
Links, by N. S. Mametkin, A. V. Topchiev, L. S.
Povarov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 245-248.

Consultants Bureau

Sci - Chem

Oct 58

74, 399

Reaction of Dialkoxytitanium Oxides With Tetraalkoxysilanes, by A. N. Nesmeyanov, O. V. Nogina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2, 1957, pp 249-.

Consultants Bureau

Sci - Chem
Oct 58

(Handwritten)
C.S. I. R. O.
11-12-58
C. T. ...
74,400

The Electrochemical Principles of the
Protection of Metals in Strong Oxidizers,
by V. P. Batyakov, 4 pp.

^D
RUSSIAN, per, Mok Ak Nauk SSSR, Vol CXVII,
No 2, 1957, pp 252 - 254.

Consultants Bureau

Sci - Chem

Oct 58

74,708

An application of the Emanation Method to
the Investigation of Catalysts, by G. M.
Zhabrova, M. D. Sinitsyna, S. Z. Roginsky,
4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXVII,
No 2, 1957, pp 255-258.

Consultants Bureau

Sci - Chem

Oct 58

74,709

An investigation of the Chemical Adsorption on Solid Solutions of Nickelous Oxide,
by N. P. Keyer, L. N. Kutseva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, 1957,
No 2, pp 259-262.

Consultants Bureau

Sci - Chem

Oct 58

74, 710

The Enthalpy of Polymerization of the Cyclic
Formals, by S. M. Skuratov, S. A. A.
Strepikoyev, S. M. Shtekher, A. V. Volokhina,
4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXVII,
No 2, pp 263-

Consultants Bureau

Sci - Chem

Oct 58

74, 711

Oxidative Resynthesis of Adenosinetriphos-
phate by Irradiated Rat Liver, by G. P.
Toropova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
4, 1957, pp ~~466-467~~.

g

266-

Consultants Bureau

Sci - Chem

Aug 58

73. 669

Tectonic Subdivision of the Region of Mesozoic
and Cenozoic Coal Accumulation in the Western
Amur River Region, by A. I. Arkhangel'sky, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No 2,
1957, pp 271-274.

Consultants Bureau

Sci - Geophysics

Oct 58

74, 920