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NOTE

In indexing these abstracts the following guides are used: MEDICINE - "Quarterly Cumulative Index Medicus," American Medical Association; CHEMISTRY - "Chemical Abstracts Subject Index," American Chemical Society; CENERAL - "Subject Headings for Technical Libraries," US Department of Commerce, Office of Technical Services.

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USSR/Academy of Sciences	Apr 1946	USSR/Arctic Studies Permafrost	Jun 1946
"Significant Jubilee Days of the Academy imeni S. M. Kirov," Acad 6# pp	Military Medical Ye. N. Pavlovskiy,	"Secondary Mirabilit Deposits in Baranov, 12 pp	the Arctic," K. A.
"Priroda" No 4		"Priroda" No 6	
Short article written in honor of service for Academician N. N. An Anniversa of service for member ences USSR, Professors V. P. Osi- and V. N. Shevkunenko. Briefly tant contributions of above-ment	ichkov, and 50th rs of Academy of Sci- pov, V. N. Tonkov, discusses more impor-	Deposit of secondary mirabilit d of Laptev Sea, in Nordvik Gulf. cited much interest since it wil to determine reasons for mineral frozen soil zones. Gives geogra size of deposit. Gives chemical tabular form of the mirabilit wh from four of the many bores.	Discovery has ex- 1 be very helpful ization of waters of uphical location and . composition in nich was obtained
	48T1	LC	4812
USSR/Arctic Studies Geology	Jun 1946	USSR/Chemistry - Catalysts Chemistry - Catalase	May/Jun 1946
"Cryosphere Structure of Quatern Arctic," K. A. Baranov, l p "Priroda" No 6	ary Deposits in the	"On the Mechanism of the Catalas Catalysts. The Catalytic Activi N. Kobosev, Lab of Catalysis and Gases, Lomonosov Moscow State U,	ty and Structure," I Electrochem of
Brief article gives data obtaine Nordvik-Khatanga Region (Laptev)		"Acta Physicochimica URSS" Vol	XXI, No 3
attention given to structure of frozen soil layer, in some place meters. Discusses two types of frozen black clay near Kozhevnik stratified-lattice type.	the cryosphere or s as far down as 500 structures found in	Study of the various constants a and free energies of 22 catalyst between energy of the interactio in intermediate products and cat exceptional position of catalase series, and of relationship betw	e; of relationship on of oxygen atoms alyst activity, the in the catalytic
LC	48 r 3	FDB	48r4
USSR/Chemistry - Entropy Chemistry - Periodic Law "The Entropy of Chemical Element Law," V. Kireyev, Dept of Chem, I Inst, 8 pp		USSR/Chemistry - Catalysts (Con oxidase and peroxidase functions 15 Jun 1945.	
"Acta Physicochimica URSS" Vol :	XXI, No 3		*.
Calculations of the entropy S ¹ , tomic ideal gas under standard c pressed in entropy units per grad groups of elements. Received, 1	onditions and ex- m-atom, for various		
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FDB	48 r 5	FDB	48T4
USSR/Chemistry - Aromatic Compou Chemistry - Steric Effect	nds May/Jun 1946	USSR/Chemistry - Adsorption, Mean	
"The Steric Factor in Aromatic C densed Benzene Nuclei," A. Kitay Org Chem, Acad Sci USSR, Moscow,	gorodsky, Inst of 2 pp	Chemistry - Kinetics "On the Limits of the Applicabil Methods in the Analysis of Adsor S. Roginsky, O. Todes, Sec of Ca	rption Phenomena," atalysis and Topo-
"Acta Physicochimica URSS" Vol :		chem, Inst of Colloid and Electr USSR, Moscow, 20 pp	rochem, Acad Sci
Study concludes that the steric compounds with uncondensed benze from the interaction of the orth unconditional factor. It is eff	ne nuclei resulting o-hydrogens is not an	"Acta Physicochimica URSS" Vol Study of deviations, of adsorpt:	n an tha an an tha an
the molecule preserves its symme are displaced out of the plane.	try when the nuclei	thermal measurements, observed i sorption isotherm, derived on as surface is homogeneous and that	from Langmuir ad- ssumption that the
FDB	48 T 6	FDB	48 T 7

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USSR/Chemistry - Anthracene Chemistry - Structural	May/Jun 1946 Analysis	USSR/Chemistry - Adsorption, Measu ment of	
"The Structure of Anthracene Org Chem, Acad Sci USSR, Mose "Acta Physicochimica URSS"	cow, 14 pp	molecules do not interact. Experi tion of weighed and radio-active i gested as possible means of distin the two cases. Received, 7 Jun 19	sotopes are sug- guishing between
Calculations of the resonance various structural types in t interatomic distances in anti 10 Jul 1945.	the normal state, and		
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FDB USSR/Chemistry - Ethylene Or:	48 <u>78</u>		<u>4877</u>
Chemistry - Structure of		USSR/Chemistry - Heats of Formatio Chemistry - Bonds, Energies o	
"On the Peculiarities of the of Ethylene Oxide," P. Zimako "Acta Physicochimica URSS"	ov, 8 pp	"On the Critical Heats of Formatic Bond Energies of Chemical Compound Lab of Solid and Complex Compounds Phys Chem, Moscow, 14 pp	s," B. Ormont,
New conception of structure of	of ethylene oxide. a	"Acta Physicochimica URSS" Vol XX	I, No 3
consideration of the structur resonance, calculation of res plaining characteristic prope conception of its structure a 14 Apr 1945.	onance, and examples ex- rties on basis of new	Calculation of critical heats of f determination of total energies of throws new light on conditions of chemically stable, as yet unreport Received, 6 Apr 1945.	bonds, which formation of
FDB	48 T 9	FDB	48110
USSR/Chemistry - Azlactones Chemistry - Spectra Anal	May/Jun 1946 ysis of	USSR/Chemistry - Cyanine Dyes Chemistry - Silver Nitride	May/Jun 1946
"Raman Spectra of Azlactones tomerism," L. Shigorim, Ya. S Phys Chem, Moscow, 7 pp	and Amido-Imidol Tau- yrkin, Karpov Inst of	"The Interaction of Sensitizing Dy Ions," S. Natanson, Res Inst of Cir Photog, Moscow, 7 pp	es with Silver nematog and
"Acta Physicochimica URSS" V	ol XXI, No 3	"Acta Physicochimica URSS" Vol XX	I, No 3
In a study of the Raman spect the high value of the C = N b buted to the partial occurren inner salt type. The occurren quency in the spectrum of the (N-benzoyl)-amino-B-methyl-cr ered as evidence of the occur tautomerism. Received, 30 Ju	ond frequency is attri- ce of structures of the nce of the C = N fre- sodium salt of the \sim otonic acid is consid- rence of amido-imidol	Study of capacity of certain cyanin complex compounds with silver nitre lated to their fog-forming capacity connection with the sensitizing act 12 Jun 1945.	ate which is re- les but has no tion. Received,
FDB		FDB AND	48712
USSR/Chemistry - Thiacarbocya Chemistry - Sensitization	nines May/Jun 1946 n	USSR/Chemistry - Helium, Liquid Chemistry - Precipitates	May/Jun 1946
"The Relation Between the Strucyanines and Their Capacity for	or Second Type Sensiti- ason. Res Inst of	"Coagulation of Fog in the Liquid H Savich, A. Shalnikov, Inst for Phys Sci USSR, 1 p	
zation," I. Levkoyev, S. Natar Cinematog and Photog, Moscow,	14 pp		
zation," I. Levkoyev, S. Nata	14 pp	"Journal of Physics USSR" Vol X, N	a server a de la conserver, la conserver a server a serve
zation," I. Levkoyev, S. Nata Cinematog and Photog, Moscow, "Acta Physicochimica URSS" Vo Study of over 500 dyes of var: termine relative capacity for second type in the series of t	14 pp ol XXI, No 3 ious structures to de- sensitization of the	"Journal of Physics USSR" Vol X, M Discussion of difference in particl etc., of the precipitate of gaseous to the surface of overcooled liquid and 2.19° K. Received, 26 Mar 1946	e size, color, s helium admitted helium at 2.5°
zation," I. Levkoyev, S. Nata Cinematog and Photog, Moscow,	14 pp ol XXI, No 3 ious structures to de- sensitization of the	Discussion of difference in particl etc., of the precipitate of gaseous to the surface of overcooled liquid	e size, color, s helium admitted helium at 2.5°

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USSR/Chemistry - Atabrine Dec 1947 Chemistry - Isomers	USSR/Chemistry - Periodic System Jun 1946 Chemistry - Elements
"The Inversions in Sensitivity of Plants and Animals to the Optical Isomers of Atabrine," V. V. Alpatov, O. K. Nastyukova, 72 pp	"In Search for New Chemical Elements," E. Ye. Vayn- shteyn, 92 pp
"Byulleten' M O-va Isp Prirody - Otd Biologii" Vol LII, No 6	"Priroda" No 6 General discussion on methods which might be used for classification of new chemical elements. Work
In 1946 the authors in a published article discussed results of experiments they conducted to determine effect of visible (optical) isomers of atabrine on bacteria, simple organisms, birds, and mice. All showed greater sensitivity to the left isomer than to the right. During winter 1946-1947 and spring 1947,	is based on system suggested by Mendeleyev, where chemical elements were classed according to their atomic weights. Author shows shortcomings of this system, especially with regard to some of the newer compounds developed, such as Ea, and Es, which are boundary cases and therefore difficult to place in a particular category.
LC 48T15 USSR/Chemistry - Atabrine (Contd) Dec 1947	LC 48T16
	USSR/Chemistry - Silicon Compounds Apr 1946 Chemistry - Industry
the authors' made further experiments to more fully confirm their previous findings. Experiments were on 12 different types of plants and animals, among them Hirudo medicinalis, Limnaea stagnalis, Rhizopus sp,	"Silicon-Organic Compounds in Industry," Yu. S. Zal'kind, 1 p
Spinus spinus. They concluded that the left albumin and amino acid of the left configuration meet more	"Priroda" No 4
frequently than the right albumin and the amino acid of the right configuration.	Briefly describes renewed interest given to sili- con-organic compounds, because of their adaptability in plastics. Discusses first such compound pro- duced R ₂ Si Cl ₂ and RSiCl ₃ . Discusses basic steps in manufacture of this compound.
LC 48T15	LC 48T17
USSR/Engineering Dec 1947 Foundry Practice Sand, Foundry	USSR/Engineering Dec 1947 Machine Construction Die Casting
"Electroseparation of Scorched Earth at Foundries," N. F. Olofinskiy, Candidate in Tech Sci, 10 pp	"Innovations in the Process of Casting under Pres- sure," V. M. Plyatskiy, Candidate in Tech Sci; Ya. Ya. Neyman, Engr, 8 pp
"Vest Mashinostroyeniya" No 12	"Vest Mashinostroyeniya" No 12
With increase of foundries in the Soviet Union, it is most important to adopt new methods for greater econo- my in use of molding sand. Average is one ton of molding sand for each ton of cast iron produced. Author discusses a new method developed for cleansing	This method of casting under pressure has one great advantageit permits casting of metal parts which do not require finishing. Authors discuss process of casting under pressure, advantages and shortcom-
and restoring molding sand, with the aid of a DC corona. This new method had not been used anywhere	ings of various US and European equipment for cast- ing under pressure. Brief mention made of some
LC 48T18	LC 48119
USSR/Engineering (Contd) Dec 1947	USSR/Engineering (Contd) Dec 1947
prior to 1947. Most research and experimental work was conducted at the SoyuzForMolite Laboratory, Min- istry of Machine and Apparatus Construction. Names engineers involved in project. Describes the opera- tion of this new system.	measures adopted in Soviet plants and factories to solve the more important problems.
LC 48T18	LC 49719

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USSR/Engineering Dec 194 Machinery Construction Inspectoscopes	7 USSR/Engineering Welding, Electric Welding, Safety Measures	Dec 1947
"Utilization of Ultra-Acoustical Defectoscopy in Machine Construction," Prof L. S. Freyman, 6 pp	"Electric Welding With Reversing Polari Mishchenko, Electric Welder, $\frac{1}{2}$ p	ty," I. I.
"Vest Mashinostroyeniya" No 12	"Avtogennoye Delo" No 12	
Gives short summary of data contained in several foreign articles on new process of supersonic in- spection of steel in machine construction. Data gathered from US, German, and Soviet articles. S. Y Sokolov credited with starting this technique in the Soviet Union in 1929. Briefly describes physical fundamentals of method, and various fields in which this method of inspection can be utilized. LC 48T20	electric welding.	red. Very to which
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Welding, Arc Welding - Applications	USSR/Engineering Welding, Gas Welding, Applications	Dec 1947
"Welding With an Independent Arc," P. I. Shorin, Eng 1 p	r, "Gas-Pressure Welding for Constructing F A. S. Fal'kevich, Engr, 31 pp	'ipelin es,"
"Avtogennoye Delo" No 12	"Avtogennoye Delo" No 12	
In small plants where neither oxygen nor other neces sary material is available, gas welding cannot be carried out. In such cases, welding with independen arc becomes most important. Discusses uses to which an independent arc can be put and briefly discusses	Soviet Union during the welding and layi saratov-Moscow gas main. In 25.5 km the about 2,100 welds. This method now bein gas main from Dashava to Kiev, and Eston	ng of the re were g used on a ia to
the circuit in this type of welding. However, it must be noted that quality of work does not approach	Leningrad, and several in vicinity of Sa Discusses advantages of using gas-pressu	re welding
the circuit in this type of welding. However, it must be noted that quality of work does not approach LC 48T22	Leningrad, and several in vicinity of Sa Discusses advantages of using gas-pressu LC	re welding 48723
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	low temperatures. Article related t "Welding Under Winter Conditions," b D. Taran, published in "Avtogennoye b	v Dr Tech Sci V.	vestigations conducted at Welding termine error in welding steel at tures. Formation of sweat from we also results in errors in welding tion of poor seams.	very low tempera- lding cold steel
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	USSR/Engineering	Dec 1947	USSR/Engineering	Dec 1947
	Welding - Spot Welding - Inspection		Welding, Arc Chemistry	
	"Nothoda of Controlling Cont Willing	11 D G D-31	and the second	ار به ۲۰۰۰ د. احماد است. بر دور
	"Methods of Controlling Spot Welding, vets, Candidate Tech Sci, 6 pp	" D. S. Balko-	"Elasticity of a Welding Arc Opera N. G. Ostapenko, Inst of Electric Ye. O. Paton, Acad Sci USSR, 3 pp	
	"Avtogennoye Delo" No 12			
	Presents results of work conducted to	determine meth-	"Avtogennoye Delo" No 12	and the state
	od for control over quality of spot a author's findings do not fill need of field and he suggests further study a detecting machinery. States that fur permit two-way check over welding, by the weld and a double check with aid	study in this with aid of flaw- ther study will appearance of	Chemical composition of the flux be great effect on absolute length of ment of break of operation. In us stabilizing characteristics, elast can be increased relative to the ch	the arc at mo- ing flux with low- icity of the arc marge of the idle
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	LC	48T26 Dec 1947 othod of dilato-	LC	48727 Dec 1947 Lze of L _{bmax} .
-	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
~	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me	48T26 Dec 1947 othod of dilato-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is mos	48T26 Dec 1947 othod of dilato- ot important.	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of	48727 Dec 1947 ize of 1 _{bmax} .
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is mos	48T26 Dec 1947 othod of dilato- it important. 48T26	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of meters per hour, elasticity of the	48727 Dec 1947 ize of l _{bmax} . of several hundred
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is mos	48T26 Dec 1947 othod of dilato- ot important.	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of meters per hour, elasticity of the	48727 Dec 1947 ize of l _{bmar} . of several hundred arc decreases.
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is most USSR/Engineering Welding - Distortion Welding - Effects "Deformation of Welded T-Beems," Prof	48T26 Dec 1947 othod of dilato- it important. 48T26 Dec 1947 N. O. Okerblom,	LC LC USSR/Geology	48727 Dec 1947 lze of l _{bmar} . of several hundred arc decreases. 48727 Dec 1947
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is most USSR/Engineering Welding - Distortion Welding - Effects	48T26 Dec 1947 othod of dilato- it important. 48T26 Dec 1947 N. O. Okerblom,	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of meters per hour, elasticity of the LC USSR/Geology Sand "The Phenomenon of Amagmatic Intrus	48T27 Dec 1947 ize of l _{bmar} . of several hundred arc decreases. 48T27 Dec 1947 Dec 1947
	LC USSR/Engineering (Contd) machine. Development of efficient me metric control of spot welding is most USSR/Engineering Welding - Distortion Welding - Effects "Deformation of Welded T-Beams," Prof Dr Tech Sci, Leningrad Folytech Inst,	48T26 Dec 1947 othod of dilato- it important. 48T26 Dec 1947 N. O. Okerblom, 42 pp ng in T-beams tly dependent on , and conditions s certain methods es that follow-	LC USSR/Engineering (Contd) circuit has little effect on the s: During rapid welding, at the rate of meters per hour, elasticity of the LC USSR/Geology Sand "The Phenomenon of Amagmatic Intrus form," V. V. Bronguleyev, 122 pp "Byulleten' M O-va Isp Prirody (C	48T27 Dec 1947 lze of l _{bmax} . of several hundred arc decreases. 48T27 Dec 1947 bions in a Plat- Otd Geologii" sentral Volga thought to have withor forms is horizons in lation of the presented shows

RESTRICTED	FDB Periodical Abst	cacts Scientific No 48	RESTRICTED
USSR/Geology Glaciers	Dec 1947	USSR/Geology (Contd)	Dec 1947
"Kanev Disturbances of the Centra G. Ye. Ryabukhin, 8 pp	l Pre-Dnepr Regions,	intrusions. Author claims they w pression of stratified layers wit local vertical displacement of th	h a simultaneous
"Byulleten' M O-va Isp Prirody - Vol XXII, No 6	Otd Geologii"		
Describes some factors which lead Kanev disturbances. Author bases observed with regard to endogenous as exogenous (glacial) forces. S Dnepr-Donets depression he was ab indications of the past presence of Gives outline of work which should present for a fuller understanding LC	data on evidences s (tectonic) as well tates that in the le to find very good of huge glaciers.		48129
USSR/Geology Structural Analysis	Dec 1947	USSR/Geology Terminology	Dec 1947
"Tectonics of the Polaznensko-Kras Region," N. D. Kovan'ko, 26 pp	mokamsk Anticline	"Structural Type of the Transbaiks Terms 'Mountain Ranges'," N. A. Fl	al Relief, and the lorensov, 134 pp
"Byulleten' M O-va Isp Prirody - Vol XXII, No 6	Otd Geologii"	"Byulleten' M O-va Isp Prirody - Vol XXII, No 6	Otd Geologii"
Discusses particulars of tectonic Molotov Prikam', and briefly discu- velopment of this territory. Stat structure of the Molotov Prikam's being part of the Polaznensko-Kras which at first was active in the f Ural ranges and at a later age in	asses geological de- es that basically hows evidence of mokamsk anticline, ormation of the pre- the formation of the	Discusses exact definition of term States that this term should be an mountains with height greater than Discusses relief and tectonic stru baikal Region. States that, from term "mountain ranges" can be appl baikal mountains.	oplied only to a 500 meters. acture of Trans- data he presents,
LC	48 T 31	LC	48132
USSR/Geology (Contd) Urals themselves. The formation of Krasnokamsk anticline explains to formation of the platforms located	a great degree	USSR/Geology Glaciers "Traces of Ancient Glaciers and Ka Ranges of the Caucasians," N. A. G "Priroda" No 4	Apr 1946 arsts in the Rocky wozdetskiy, 2 p
		Brief article describes glacial an teristics of Gud-gora (2,483 meter (2,591 meters), and the Kanzhal (2 studied by the Geomorphological Pa Studies Expedition, Scientific Res Moscow Geological Studies Institut of their expedition to western par ASSR during summer 1939.	rs), the Bermamyt 2,829 meters) arty, Mineral search Sector. a, in the course
	48 T 31	LC	48 T 33
USSR/Geology Mineral Resources	Apr 1946	USSR/Hydrology Limnology	Jun 1946
"Mineral Resources of the Carpathia man, Acad (Deceased), 6 pp	ans," A. Ye. Fers-	"Three Types of Lakes in the Amur : F. Maleyev, 1 p	River Valley," Ye.
"Priroda" No 4		"Priroda" No 6	
Discusses role of mineral wealth in peoples; gives short historical sky the Western Carpathians (Polish), thians (western Ukraine), the South ans (Bukovina). Notes mineral sou ans, and in conclusion Fersman sty ans are unique and present unlimit for further exploration.	etch of Carpathians, the Eastern Carpa- neastern Carpathi- arces of Carpathi- ates that Carpathi-	Three distinct types of lakes foun of Amur River are: lakes which onc lakes which joined together by sma empty into Amur, and lakes which for tonic deformations of small section crust. Briefly describes principal of each type and cites examples of	e were old rivers, 11 streams and ormed from tec- ns of the earth's 1 characteristics
LC	48 T 34	LC	48 T 35
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	al Abstr	acts Scientific No 48 RESTRICTS	
USSR/Medicine - Botany Apu Medicine - History	· 1946	USSR/Medicine - Botany Apr 194	ŧę
"Conference on the History of Flora and Plant (of the USSR" 支 p	lrowth	"Minsk Botanical Gardens of the Academy of Sciences BSSR," L. Nikonov, 1 p	5
"Sovetskaya Botanika" Vol XIV, No 2		"Sovetskaya Botanika" Vol XIV, No 2	
Conference planned during fall 1946 to discuss of the flora of the Angarskiy mainland and to of formation of the flora of Eurasia. Lists paper articles on the above subjects which were submit for reading and judgment at the conference. The place were to be announced.	liscuss s and tted	Garden started in 1930, on grounds of the All-Belo- rus Agricultural Exposition. Covers 106 hectares. In 1940, one million rubles were appropriated for maintaining and reconstructing garden. On 3 Jul 1944, under administration of Prof G. F. Zheleznov, work was begun to reconstruct war damage. Now, 1,091 cu m of land are producing oranges. Also discusses layout of gardens, and personnel respon- sible for maintenance.	
LC	18T36	LC 48T37	7
	1946	USSR/Medicine - Colchicum Apr 194 Medicine - Variation	
"Scientific Conference of the Voronezh State Un sity, on the Occasion of the 220th Anniversary Academy of Sciences USSR" 1 p	of the	"Some Data on the Teratology of the Colchicum Regelii Stef and the Ungernia Trishpaera Bge," L. I Serheyev, 2 pp	[.
"Sovetskaya Botanika" Vol XIV, No 2		"Sovetskaya Botanika" Vol XIV, No 2	
Conference in session 12 - 15 May 1945. Some 3 papers read and submitted for judgment. Great est displayed a paper submitted by Corr Mem Aca Prof B. M. Kozo-Polyanskiy, on Goryaninov, one greatest Russian botanists. Conference very su ful and worthy of the great occasion it celebra	inter- d Sci of ccess-	Author obtained flowering Colchicum regelii Stef (flowers February to March) in 1940 to study nature of its inconsistancies. Some 193 samples were ob- tained and it was discovered that several showed evidence of teratological nature. Discusses varia- tions observed. In Aug 1944, 20 km west of Meshkhe author located large field of Ungernia trishpaera	•
LC	8 T 38	LC 48T39)
	1946	USSR/Medicine - Colchicum (Contd) Apr 194	.6
Medicine - Taxonomy "Study of the Flora of Caucasia," A. A. Grosshe 51 pp "Sovetskaya Botanika" Vol XIV, No 2	im,	Bge. Some 300 flowers studied to determine whether they possessed teratological characteristics. Two were found. Author briefly describes variations observed.	ŀ
Caucasia has 11 territories, nine of which are well studied. According to Grossheim, there ar distinct floral districts of Caucasia. These h been based on degree of exploration. However, states that most important task is to study mor flora of the original 11 districts. Second mos	e three ave author e the		
portant task is to classify flora according to classici and according to terrae classicae. Su	loci		
at Leningrad, 23 Sep 1945. LC 4	8 T 40	1C 48T39	•
	1946	USSR/Medicine - Carrots Jun 194 Chemistry - Resinous Products	
"Classification of Arctic Plant Growth," B. N. (kov, Bot Inst imeni V. L. Komarov, Acad Sci USS) 54 pp		"Particulars of Chemical Affinity of Resins and Volatile Oils, Characteristic of the Order Ferula L.," N. P. Kir'yalov, Bot Gardens imeni Acad V. L. Komarov, Acad Sci USSR, $13\frac{1}{4}$ pp	
"Sovetskaya Botanika" Vol XIV, No 2			
Gives bibliography used in this study and brief. lines system developed for classification of Arc plant growth.		"Sovetskaya Botanika" Vol XIV, No 3 Author tries to turn attention of investigators on chemical constituents of Ferula resins, to permit use of some peculiarities in medical and industrial fields. From thermal treatment, as well as acid or alkali hydrolysis, resins of Ferula undergo chemica change which makes the product resemble umbellif-	
LC 44	3 T 41	LC 48T42	

RESTRICTED FDB Periodical Abstr	acts Scientific No 48 RESTRICTED
USSR/Medicine - Botany Jun 1946 Medicine - Environment	USSR/Medicine - Carrots (Contd) Jun 1946
"Synusiosis," T. M. Lippmaa (Deceased), Bot Gardens, Tartusskiy U, Estonia, 62 pp	erone. The volatile oils of Ferula are in close genetic union with resins.
"Sovetskaya Botanika" Vol XIV, No 3	
Discusses association of various forms of life for consubstantial living. This can be divided into a simple and complex association. Synusicsis is homog- encus in the dominating living form. Classification of synusics is based on the dominating living form and its habitat. Several synusics can exist in one stage, however, it is usual to find only one synusic- sis in each stage. Synusics shows evidence of clearly defined phytosynusics s.	
10 48T43	LC 48T42
USSR/Medicine - Botany Jun 1946 Geography	USSR/Medicine - Botany Jun 1946 Medicine - Arctic Studies
"Some Botanical and Geographical Data Which Were Col- lected by the 1945 Expedition of the Academy of Sci- ences to the Northwestern Part of Caucasia," V. B. Sochava, Bot Inst imeni V. L. Komarov, Acad Sci USSR, Leningrad, 42 pp	"Significance of the Work Done by B. N. Gorodkov in His Study of the Vegetation of Russia," Ye. Lavren- ko, V. Sochava, Bot Inst imeni Acad V. L. Komarov, Acad Sci USSR, Leningrad, 6 pp
"Sovetskaya Botanika" Vol XIV, No 3	"Sovetskaya Botanika" Vol XIV, No 3
Expedition, led by Prof L. V. Pustovalov, had the chief objective of gathering data to contribute to the SOPS plan, which was a council organized to study the in- dustrial power of the Soviet Union. Discusses water- shed of the Urup and B. Laba rivers as a botanical as	Written in honor of the 35th anniversary of Gorod- kov's service with the Botanical Institute imeni Acad V. L. Komarov. Gorodkov's main field was botany of the far north; spent considerable time around Vrangel Island, the Chukotsk coast, and Northern Yakut around Tiksi Bay. Lists some books
LC 48T44	IC 48 T4 5
USSR/Medicine - Botany (Contd) Jun 1946	USSR/Medicine - Botany (Contd) Jun 1946
well as geographical boundary, valleys and their plant growths, woods of Urup River basin, plant for- mations of the type found in Alps, and briefly some pleistocene elements of vegetation. Submitted, 7 Nov 1945.	and article he published as result of his investiga- tions.
х. 	
LC 48T44	LC 48745
USSR/Medicine - Agriculture Jun 1946 Geography	USSR/Medicine - Botany Jun 1946 Medicine - Geography
"Mountain Meadows of Eurasia as an Agricultural and Geographical Phenomenon," R. A. Yelenevskiy, 28 pp	"Flora of the Betpak-Dala Wastes," N. I. Rubteov, Kazakh Br, Acad Sci Alma-Ata, ジョ pp
"Sovetskaya Botanika" Vol XIV, No 3	"Sovetskaya Botanika" Vol XIV, No 3
Ye. M. Lavrenko of the Botanical Institute imeni Acad V. L. Komarov, Academy of Sciences USSR, Leningrad, reviews this article by Yelenevskiy. It is one of the most comprehensive works on the mountain meadows of Eurasia. Study of article permits understanding not only of mountain meadows of southern parts of Far East, but also permits understanding of a typical	Not too long ago the Betpak-Dala wastes were just a white spot on the map. Article very briefly dis- cusses expeditions sent to this area to study its flora. Article lists a few hundred plants and shrubs found and classified.
mountain of northern parts of the palaearctic.	
mountain of northern parts of the palaearctic. LC 48T46	LC 48T47

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RESTR ICTED	FDB Periodical Abstr	acts Scientific No 48	RESTRICTED
USSR/Medicine - Botany Medicine - Microorganisms	Jun 1946	USSR/Medicine - Albumin Medicine - Biology	Oct 1947
"Understanding the Lower Plant ! 4 pp	· · · ·	"Colloidal Properties of the All rived From Animal and Plant Tiss Active Mem All-Union Acad Agr Sc	sues," S. S. Perov,
"Sovetskaya Botanika" Vol XIV,		"Dok VseSovuz Ak Sel'khoz Nauk"	No 10
N. N. Voronikhin, of the Botania Acad V. L. Komarov, reviews art: appeared in Vol XIV, No 4, 1945 "Mikrobiologiya." For the first data is presented concerning a f article, was almost totally igno cusses his subject from morphole sides. LC	icle by Kursanov which , of the Journal t time some concrete field which, until this pred. Kursanov dis-	will greatly hinder the transfer	iclogical sensitivity f the anionnic state and, an acid state r of albumin, but ne albumin. Very ali balance in the
USSR/Medicine - Plant Medicine - Nutrition	Oct 1947	USSR/Medicine - Plants - Disease Medicine - Terminology	
"Effect of Humic Acid on Growth ious Types of Nutrients Were Use Development of Plants," L. A. Kr	ed at Beginning of the	"Phytocides and Their Presumptiv Prof B. P. Tokin, 10 pp	'e Role in Nature,"
Agr Sci, 7 pp		"Priroda" No 4	ee aan an di
"Dok VseSoyuz Ak Sel'khoz Nauk" Humic acid has positive effect of which lacked phosphorus at begin At the same time treatment with with trichloroacetic acid increas content. Thus improved growing plant. Increasing phosphorus at	on growth of plants ming of development. humic acid in solution used the phosphorous conditions of the	Author prefaces article with des phytocides. Discusses bacterial istry, and the biologic role of nature. Reference made to work Karpov and Tonkin at Tomsk in 19	properties, chem- these phytocides in in this field by
LC	48150	rc	- 48T 51
USSR/Medicine - Plant (Contd)	Oct 1947	USSR/Medicine - Animals Medicine - Food	Apr 1946
ment of the plant results in a g carry out operation of oxygen re	reater ability to duction.	"Winter Feed for Kamchatka Sable l p	," A. P. Kazarinov,
•	· · · ·	"Priroda" No 4	
- · · · · · · · · · · · · · · · · · · ·		Discusses habitat of Kamchatka s zibilline chamtchadalica) and br habits during winter. Data obta contents of some 57 sables.	iefly notes feeding
LC	48 T 50	LC	48 1 52
USSR/Medicine - Rickettsia Medicine - Microscopy	Apr 1946	USSR/Medicine - Insecticides Chemistry - Biphenyl, Chlor	Apr 1946
"Morphological Structure of Rick Leyont'yev, ‡ p	ettsia," Dr I. F.	"Diphenyl-Trichlorethane as an E F. Leyont'yev, Ż p	nsecticide," Dr I.
"Priroda" No 4		"Priroda" No 4	
States there are four types of k that under a superhigh-power mic: considerable morphological varia one another. In general, however eral characteristics of elementa and all bacteria, i.e., they all containing a protoplasmic substan- many dark bodies.	roscope they show tions differing from r, they possess gen- ry virus antibodies contain an inner sac	Brief description of use as an in pertinent information except that it in powder form and obtained en Mentions chemical formula of new duced by English firm under Paten granted to Swedish firm, A. G. Ge	t US Army has used xcellent results. insecticide pro- nt No 547,871,
LC	481 53	LC	48 T 54
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RESTRICTED	FDB Periodical Abstr	racts Scientific No 48	RESTR ICTED
USSR/Medicine - Botany Geography	Jun 1946	USSR/Medicine - Biology Medicine - Birds	Jun 1946
"Brief Notes on Vegetation in the Vasil'yev, Dr of Biol Sci, 14 pp	Kuriles," V. N.	"Biology of the Emberiza Bruniceps," A chevskiy, 💈 p	. S. Mal'-
"Priroda" No 6	and and a second se	"Priroda" No 6	
Discusses general physical geograp islands, and gives short account o Treats each island individually an Also briefly mentions predominant tures of each island. Author give ing reasons for peculiarities of p bution.	f exploratory trips. d discusses flora. geographical fea- s opinions regard-	First discovery of the Emberiza brunic trans-Volga region was made during sum These birds found in the semiarrid reg south of Baskunchak Lake. Author subm publications which treat on subject at length than the summary.	mer 1940. ions 14 km its list of
LC	48 T 55	70	
USSR/Medicine - Deer Geography	Jun 1946	LC USSR/Medicine - Plants Medicine - Poisonous	48 T 56 Jun 1946
"Increasing the Range of the Capre in Siberia," V. N. Skalon, ½ p	olus Pygargus Pall	"Toxicity of Vicia Sativa," I. P. Zapa	onyuk, l] pp
"Priroda" No 6		"Priroda" No 6	
Short article gives various indicates ate the fact that the Capreolus py moving its range farther north. An main reason for northward trek is the becoming more populated and farmers rangeland.	gargus Pall, doe, is athor claims one of that the south is	Poisoning from eating certain types of been recognized for a long time. Most domestic animals. Author discusses in 1944 when several horses were poisoned feed which contained Vicia sativa. Di symptoms, and some general factors per treatment. In many cases bone spavin effect.	common in cidences in from eating scusses main taining to
LC	48 T 57		48158
USSR/Medicine - Rats Medicine - Population	Jun 1946	USSR/Medicine - Parasitology Medicine - Teachers	Jun 1946
"The Spread of Rats on the Northern V. S. Bazhanov, Ż p	Maritime Coasts,"	"Twenty-five Years Experience in Teach: tology Specialists," Acad Ye. N. Pavlov Gen Med Corps, 7 pp	ng Parasi- skiy, Lt
"Priroda" No 6		"Priroda" No 6	
In 1933, traces of rattus rattus di on coast of Bering Sea. In 1934, r caraco Pall discovered in Slautnoy shows that recently rats in the coa spread out. Points out it is most this migration and devise methods f articles by authors who have made r field.	attus norvegious River region. This stal regions have important to study or ending it. Lists esearch in this	Briefly discusses instruction given at Medical Academy imeni S. M. Kirov, for of parasitologists. Course consists of sections: basic instruction in the ger period of classification of students, a ducted in chosen field specialization, training and trial period. Gives histo	the training four main meral field, studies con- and final
	48159	LC	48160
USSR/Medicine - Malaria Medicine - Coma	Jan 1946	USSR/Medicine - Parasitology (Contd)	Jun 1946
"Neurological Symptoms of Comatosa F. M. Lisitsa, Inst of Malaria and NKZdrav Tadzhik SSR (Dir-Prof L. I. of Nervous Diseases (Dep-Prof A. S. bad Med Inst, 62 pp	Med Parasitol Leyzerman) Chair	tary Medical Academy and mentions names tists responsible for huge success of i	
"Medits Parazitologiya" No 1		•	
In localities where malaria is comp ious infectious diseases of the bra to differentiate between malarial c Loss of reasoning in itself is not comatosa malaria, but when it appear	in, it is important oma and other coma. a symptom of		
LC	48161	LC	48 r 60
	- 12		

RESTRICTED F.	DB Periodical Abst	acts Scientific No 48	RESTRICTED
USSR/Medicine - Malaria (Contd)	Jan 1946	USSR/Medicine - Malaria Medicine - Immunity	Jan 1946
nation should be conducted to detern not the coma is actually due to mal treatments for comatosa malaria is l	aria. One of best	"Questions of Immunity in Experiment Monkeys (Macacus rhesus)," Ye. V. Ek Inst Med Parasitol (Dir-Docent V. I. Sec of Med Parasitol VIEM (Dep-Acad skiy, Lt Gen Med Corps), 3 pp	zemplyarskaya, Biryukov) and
	· ·	"Medits Parazitologiya" No l	···
•	• •	Experiments conducted at Base of the of VIEM. Similar to malaria in man, homologous immunity in monkeys cause visible specificity, but also specif Titration of agglutinins is very low	nonsterile s not only icity to type.
rc	48 T 61	IC .	48 T62
USSR/Medicine - Tularemia Medicine - Fleas	Jan 1946	USSR/Medicine - Malaria (Contd)	Jan 1946
"Epizootology of Tularemia," A. A. Vol'ferts, S. A. Kolpakova, State Sci Res Inst of Microbiol and Epidemiol of Southeastern USSR, 54 pp		States that ability of the reticulo-endothelium to carry out hyperfunction is a very great factor in further development and emergence of infection.	
"Medits Parazitologiya" No l			-
Article, Part 3 of series, on epizod mia. Authors discuss role of Stenor Wagn fleas in epizootology of tulare experiments to solve two questions: period fleas are able to harbor tula and the minimum number of fleas nece infection in an animal. Discovered	htalmus orientalis mia. Conducted length of the remia bacillus, sesary to cause		
LC	48163	IC	48 16 2
USSR/Medicine - Tularemia (Contd)	Jan 1946	USSR/Medicine - Malaria	Jan 1946
active carriers from $l\frac{1}{2}$ to $2\frac{1}{2}$ months as two C. orientalis fleas were able healthy animal.	, and that as few	Medicine - Mosquitoes - Breeding "Physiographic Classification of Mals Abkhaz," A. A. Ustinov, Enthomologics Malaria Sta NKZdrav, Abkhaz ASSR (Dir Dzhaparidze), 72 pp	g Places aria Areas in al Sec, Republic
		"Medits Parazitologiya" No l	
		Collection of some work which the aut concerning research of malaria areas Most work done 1937-1941 at former At Institute. Discusses climate, geogra tion, topography, flora and fauna, as malaria breeding places of the low co	of Abkhaz. Okhaz Tropic aphical situa- s well as
LC	48763	LC	48 T 64
USSR/Medicine - Malaria Medicine - Prevention	Jan 1946	USSR/Medicine - Malaria (Contd)	Jan 1946
"Twenty-five Years of Work of the In ia, Medical Parasitology, and Helmin of Medical Sciences USSR," P. G. Ser Acad Med Sci, and Dir of Inst, 14 p	thology, Academy giyev, Active Mem	damp grass lands and woods, mountained high regions of unexplored mountain r	
"Medits Parazitologiya" No 1			
History of Academy of Medical Science result of fulfilling three very impor- organized and practical assistance to Public Health, especially in malaria training of a competent staff of spec- malaria; (3) solution of various proj field of medical properties.	rtant tasks: (1) o Ministry of control; (2) cialists to combat blems met in		
field of medical parasitology. Press more important work of institution.	ents some of the C 48T65	IC	48764
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RESTRICTED FDB Periodical Abst	racts Scientific No 48 RESTRICTED	
USSR/Medicine - Mosquitoes Jan 1946 Medicine - Malaria	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places	
"Qualitative Analysis of Anopheles Production in Var- ious Types of Waters, and an Evaluation of Its Epi- demiological Significance," A. V. Ulitcheva (Samar- kand), Uzbek Inst of Malaria and Med Parasitol (Dir- Prof L. M. Isayev), 5 pp	- "Behavior Peculiarities of Anopheles Plumbeus Larva, With Respect to Conditions of Their Habitat," L. V. Ivanova, Entomol Sec, Inst of Malaria and Med Parasitol, Acad Med Sci USSR (Dep-Mem Acad Med Sci V. N. Beklemishev; Dir Mem Acad Med Sci, P. G.	
"Medits Parazitologiya" No 1	Sergiyev), 10 ¹ / ₄ pp	
Gives results of studies conducted to determine var- ious types of breeding waters for Anopheles. Con- ducted on basis of a quantitative study conducted on the number of pre-imago forms of mosquitoes found in various waters, and was done to study the epidemiology	"Medits Parazitologiya" No 1 The A. plumbeus is able to utilize the water trapped in tree hollows as breeding ground for its larvae. Ivanova isolated some larvae and placed them in var- ious types of containers to study the effect of var-	
LC 48T66	LC 48T67	
USSR/Medicine - Mosquitoes (Contd) Jan 1946	USSR/Medicine - Mosquitoes (Contd) Jan 1946	
of malaria. It was found that A. maculipennis sacharovi, and A. superpictus existed in the follow- ing habitats: marshes 24% of the time, rice paddies 71%, and in water reservoirs 5%.	ious types of breeding places on mosquito growth. It was found that these larvae required absolutely calm water for proper metamorphosis. Also found that they had negative reaction to phototaxis and an intense reaction of photokinesis, when exposed to light.	
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	T0 10-6-	
LC 48766	LC 48T67	
LC 48T66 USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development	LC 48T67 USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places	
USSR/Medicine - Mosquitoes Jan 1946	USSR/Medicine - Mosquitoes Jan 1946	
USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development "Autogenesis of the Eggs of A. Bifurcatus of the Alma- Ata Population," Z. M. Denisova (Alma-Ata) Republic	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places "The Breeding of the Anopheles Plumbeus Steph in the Hollows of Trees," Z. F. Krivonosova, Entomologist,	
USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development "Autogenesis of the Eggs of A. Bifurcatus of the Alma- Ata Population," Z. M. Denisova (Alma-Ata) Republic Tropical Sta (Dir L. A. Andreyev), 2 pp	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places "The Breeding of the Anopheles Plumbeus Steph in the Hollows of Trees," Z. F. Krivonosova, Entomologist, Dagestan Malaria Sta (Chief V. I. Chaykin), 1 p "Medits Parazitologiya" No 1 During course of 2-year study of ecology of the Anopheles plumbeus, author observed breeding in one particular tree hollow. Discovered that breeding of mosquitoes is very intense in tree hollows and that this phenomenon is a very important factor in wide propagation of malaria. From data obtained it was possible to determine that, on the average, five mosquitoes hatch from every tree hollow.	
USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development "Autogenesis of the Eggs of A. Bifurcatus of the Alma- Ata Population," Z. M. Denisova (Alma-Ata) Republic Tropical Sta (Dir L. A. Andreyev), 2 pp "Medits Parazitologiya" No 1 Mosquito found in the waters which originate in moun- tain regions of the Tarbatayskiy, Dzhungarskiy, and Kirgizskiy ranges. One of the most important factors in the spread of malaria is self-fertilization in some mosquitoes. Author conducted observations to deter- mine whether the A. bifurcatus possessed this property. Discovered that the A. bifurcatus which is found in LC 48768	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places "The Breeding of the Anopheles Plumbeus Steph in the Hollows of Trees," Z. F. Krivonosova, Entomologist, Dagestan Malaria Sta (Chief V. I. Chaykin), 1 p "Medits Parazitologiya" No 1 During course of 2-year study of ecology of the Anopheles plumbeus, author observed breeding in one particular tree hollow. Discovered that breeding of mosquitoes is very intense in tree hollows and that this phenomenon is a very important factor in wide propagation of malaria. From data obtained it was possible to determine that, on the average, five mosquitoes hatch from every tree hollow. LC 48769	
 USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development "Autogenesis of the Eggs of A. Bifurcatus of the Alma- Ata Population," Z. M. Denisova (Alma-Ata) Republic Tropical Sta (Dir L. A. Andreyev), 2 pp "Medits Parazitologiya" No 1 Mosquito found in the waters which originate in moun- tain regions of the Tarbatayskiy, Dzhungarskiy, and Kirgizskiy ranges. One of the most important factors in the spread of malaria is self-fertilization in some mosquitoes. Author conducted observations to deter- mine whether the A. bifurcatus possessed this property. Discovered that the A. bifurcatus which is found in 	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places "The Breeding of the Anopheles Plumbeus Steph in the Hollows of Trees," Z. F. Krivonosova, Entomologist, Dagestan Malaria Sta (Chief V. I. Chaykin), 1 p "Medits Parazitologiya" No 1 During course of 2-year study of ecology of the Anopheles plumbeus, author observed breeding in one particular tree hollow. Discovered that breeding of mosquitoes is very intense in tree hollows and that this phenomenon is a very important factor in wide propagation of malaria. From data obtained it was possible to determine that, on the average, five mosquitoes hatch from every tree hollow.	
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USSR/Medicine - Mosquitoes Jan 1946 Medicine - Eggs - Development "Autogenesis of the Eggs of A. Bifurcatus of the Alma- Ata Population," Z. M. Denisova (Alma-Ata) Republic Tropical Sta (Dir L. A. Andreyev), 2 pp "Medits Parazitologiya" No 1 Mosquito found in the waters which originate in moun- tain regions of the Tarbatayskiy, Dzhungarskiy, and Kirgizskiy ranges. One of the most important factors in the spread of malaria is self-fertilization in some mosquitoes. Author conducted observations to deter- mine whether the A. bifurcatus possessed this property. Discovered that the A. bifurcatus which is found in LC 48T68 USSR/Medicine - Mosquitoes (Contd) Jan 1946	USSR/Medicine - Mosquitoes Jan 1946 Medicine - Breeding Places "The Breeding of the Anopheles Plumbeus Steph in the Hollows of Trees," Z. F. Krivonosova, Entomologist, Dagestan Malaria Sta (Chief V. I. Chaykin), 1 p "Medits Parazitologiya" No 1 During course of 2-year study of ecology of the Anopheles plumbeus, author observed breeding in one particular tree hollow. Discovered that breeding of mosquitoes is very intense in tree hollows and that this phenomenon is a very important factor in wide propagation of malaria. From data obtained it was possible to determine that, on the average, five mosquitoes hatch from every tree hollow. Jan 1946 Wedicine - Breeding Places "Copulation of the Anopheles Plumbeus Steph.," Z. F. Krivonosova, Dagestan Republic Malaria Sta (Chief V. I. Chaykin), 1 p	

RESTRICTED FDB Periodical Abst	racts Scientific No 48	
USSR/Medicine - Spirochaetosis Jan 1946 Medicine - Penicillin	USSR/Medicine - Hookworm - Helminthology Jan 1946 Medicine - Hygiene and Sanitation	
"Therapeutic Action of Penicillin in Tick Spiro- chaetosis," M. V. Pospelova-Shtrom, N. A. Tiburskaya, Sec of Entomol (Dep V. N. Beklemishev, Mem Acad Med Sci and Sec of Experimental Protozool (Dep-Prof Sh. D. Moshkovskiy), Cent Inst of Malaria and Med Parasitol, Acad Med Sci ÚSSR (Dir-Mem Acad Med Sci P. G. Sergiyev), 1 p	"Experiment in Sanitation of an Ankylostomiasis Area," N. G. Kamalov, G. N. Gorbabze, T. N. Tsut- sunava, A. O. Khizanishvili, A. G. Kamalova, Sh. M. Bugianishvili, Sec on Helminthol, Inst of Malaria and Med Parasitol, HKZdrav Gruzii SSR imeni Prof S. S. Vircaladze (Dep of Sec N. G. Kamalov Dr Med Sci, and Dir of Inst Prof S. P. Kandelaki), 107 pp	
"Medits Parasitologiya" No 1	"Medits Parazitologiya" No l	
Penicillin therapy did not guarantee that there would not be later development of more serious stage of disease. A 2-unit penicillin application for every	In accordance with request of Second All-Union Con- ference on Helminthology in 1937, and the NKZdrav, authors were sent to one of the endemic localities	
1C 48T71	<u>LC</u> 48772	
USSR/Medicine - Spirochaetosis (Contd) Jan 1946	USSR/Medicine - Hookworm - Helminthology Jan 1946	
gram of weight of guinea pigs did not show remarkable effect on spirochaetosis. A 10-fold increase in amount of the preparation at times resulted in lower- ing of temperature. Animals showed no ill effect from heavy doses.	(Contd) in Gruzii to improve sanitary conditions in an area. Discusses organization of sanitation operation, characteristics of land, condition of inhabitants of area, clinical and hematological status. Short passage evaluating results of work done to improve sanitary conditions.	
LC 48T71	LC 48172	
USSR/Medicine - Trichinosis Jan 1946 Medicine - Epizootic Diseases	USSR/Medicine - Helminthes and Helminthia is Jan 1946 Medicine - Mines and Miners	
"Milk as a Transmitter of Trichinellosis," Docent V. P. Koryazhnov, Chair of Vet-Sanitary Exam, Moscow Vet Inst, 1 p	Koryazhnov, Chair of Vet-Sanitary Exam, Moscow Vet , 1 p L. K. Zerchaninov, N. A. Bulycheva, Sec on Parasitol (Dep L. K. Zerchaninov), Sverdlovsk Inst of Microbiol an Epidemiol (Prof I. I. Lavin), † n	
"Medits Parazitologiya" No 1	"Medits Parazitologiya" No 1	
No reports regarding transfer of trichinellosis through milk of infected sows in spite of well-known fact that trichinellosis can be transferred by larvae in milk of animals infected with this disease. Author conducted tests to determine effects caused by feed ing. Discovered that milk of sick animals has no practical value as an epizootic factor. Pigs born of	Presents a table showing results of studies con- ducted to determine the helminthological status of shafts of the Bogoslov and Yegorshinsk mines. Ex- amined 313 shafts and discovered six different types of worms. Comparison shown of results obtained from these shafts and results obtained by other scien-	
IC 48T73	LC 48 7 74	
USSR/Medicine - Trichinosis (Contd) Jan 1946	USSR/Medicine - Helminthes and Jan 1946	
infected sows and fed on their mother's milk did not become infected.	Helminthiasis (Contd) tists in other shafts. Highest number of infections noticed in Ural region mine shafts.	
LC 48T73	LC 48T74	

RESTRICTED FDB Pert	iodical Abst	racts Scientific No 48	RESTRICTED
USSR/Medicine - Echinococcosis Medicine - Diagnosis Methods	Jan 1946	USSR/Medicine - Trichophyton Medicine - Carriers	Jan 1946
"Diagnostic Value of the Caschi Reaction," V. I. Zakharov, Candidate in Biol Sci, Sec on Parasitol, Kazakh Republic Tropical Sta, 2 pp		"Epidemiological and Ecological Data on Spreading of Trichophytons in Man and Animals," Prof D. L. Voro- nov, Dep of Sec of Phytoparasitol, State Inst of	
"Medits Parazitologiya" No 1		Vet Dermatology (Dir A. M. Priselkov), 5 ¹ / ₂ pp	
A thorough understanding of characteristic	s of the	"Medits Parazitologiya" No l	
Casoni reaction - intracutaneous tests for of echinococcus - is necessary as it is th which the physician can determine his cour tion. Nevertheless, this reaction has not cepted too widely on the basis of its prace Author experimented on foxes to determine	te means by se of ac- been ac- tical value.	by sources of trichophytons and microspores have pra- tical as well as theoretical value. In 1937-1941 author worked out system for sources of tricho- hytons and microspores on basis of their biology	
IC	48 T 75	LC	48 T 76
USSR/Medicine - Echinococcosis (Contd)	Jan 1946	USSR/Medicine - Trichophyton (Contd)	Jan 1946
nostic characteristics of this reaction. discovered that the test alone was not sen enough, and is not in itself a test to sho of echinococcus. Nevertheless, diagnostic istics of this reaction are a great help in ing methods for the proper diagnosis and to diseases caused by echinococcus.	sitive w presence character- n determin-	reservoirs of dermatophytes. Discusses dermatophytes on natural sterile substr- reasons why they cannot be raised under conditions. Only certain types of man can be carriers of this disease.	ata, and nonsterile
	48 1 75	LC	48 T 76
USSR/Medicine - Tularemia Medicine - Epidemiology	Jan 1946	USSR/Medicine - Flies Medicine - Seasons	Jan 1946
"Regularities in Transmitted Outbreaks of T in Western Siberia," Yu. A. Isakov, O. N. S Khanty-Mansiyskiy Tularemia Sta, 8 pp "Medits Parazitologiya" No 1	fularemia Sazonova,	"Seasonal Nature in the Size of Fly Popu Ashkhabad," N. M. Razumov, Inst of Malar Parasitol NKZdrav, Turkmen SSR (Dir of I Remennikova), 2 pp	ia and Med
		"Medits Parazitologiya" No l	
Authors set out to study the epidemiology of mitted outbreaks of tularemia. They discuss nificance of transmission of this disease b insects of agricultural zones of western Si seasonal nature, the distribution, and inte the transmitted outbreaks. From the studie	s the sig- y various beria, the msity of	Reports results of studies conducted to seasonal nature of the size of fly popul Ashkhabad. Count of flies made with gla traps placed at five points. Traps set	ations in ss-walled for period
letermined that bloodsucking insects are re	sponsible	of 24-hour periods every 4 days from Apr 1942. Can conclude from these studies t	1941 to Oct hat best
letermined that bloodsucking insects are re	48T77	of 24-hour periods every 4 days from Apr 1942. Can conclude from these studies t LC	1941 to Oct hat best 48778
determined that bloodsucking insects are re LC USSR/Medicine - Tularemia (Contd)	sponsible	1942. Can conclude from these studies t	hat best
determined that bloodsucking insects are re LC JSSR/Medicine - Tularemia (Contd) For transmission of tularemia in boggy and regions. Seasonal nature of outbreaks can ained by development of epizootics among wa Intensity and spread of outbreak dependent of water rats at the time when an epizootic	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies t	hat best 48778 Jan 1946 Khabad was on was at wind assists
determined that bloodsucking insects are re LC USSR/Medicine - Tularemia (Contd) for transmission of tularemia in boggy and regions. Seasonal nature of outbreaks can almed by development of epizootics among wa Intensity and spread of outbreak dependent of water rats at the time when an epizootic	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies to LC USSR/Medicine - Flies (Contd) time to conduct anti-fly measures in Ash during the summer, when the fly populati- its lowest and drying action of sun and	hat best 48778 Jan 1946 Khabad was on was at wind assists
determined that bloodsucking insects are re LC USSR/Medicine - Tularemia (Contd) for transmission of tularemia in boggy and regions. Seasonal nature of outbreaks can almed by development of epizootics among wa Intensity and spread of outbreak dependent of water rats at the time when an epizootic	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies to LC USSR/Medicine - Flies (Contd) time to conduct anti-fly measures in Ash during the summer, when the fly populati- its lowest and drying action of sun and	hat best 48778 Jan 1946 Khabad was on was at wind assists
determined that bloodsucking insects are re LC	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies to LC USSR/Medicine - Flies (Contd) time to conduct anti-fly measures in Ash during the summer, when the fly populati- its lowest and drying action of sun and	hat best 48778 Jan 1946 Khabad was on was at wind assists
letermined that bloodsucking insects are re JSSR/Medicine - Tularemia (Contd) For transmission of tularemia in boggy and regions. Seasonal nature of outbreaks can sined by development of epizootics among wa Intensity and spread of outbreak dependent of water rats at the time when an epizootic	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies to LC USSR/Medicine - Flies (Contd) time to conduct anti-fly measures in Ash during the summer, when the fly populati- its lowest and drying action of sun and	hat best 48778 Jan 1946 Khabad was on was at wind assists
letermined that bloodsucking insects are re C JSSR/Medicine - Tularemia (Contd) For transmission of tularemia in boggy and regions. Seasonal nature of outbreaks can ined by development of epizootics among wa Intensity and spread of outbreak dependent of water rats at the time when an epizootic	asponsible <u>48777</u> Jan 1946 tundra be deter- ter rats. on number	1942. Can conclude from these studies to LC USSR/Medicine - Flies (Contd) time to conduct anti-fly measures in Ash during the summer, when the fly populati- its lowest and drying action of sun and	hat best 48778 Jan 1946 Khabad was on was at wind assists

RESTRICTED FDI	B Periodical Abstr	acts Scientific No 48	RESTR ICTE
USSR/Medicine - Plants Medicine - Growth	Dec 1947	USSR/Medicine - Plants Geography	Dec 194
"Fundamental Notes on Distribution of Plant Growth in Polar Valleys of the Omolon River," F. S. Leyont'yev, 11 pp		"Plant Growth of the Steppe Region in the Basin of the Middle Reaches of the Osetra River in Moscow Oblast," A. K. Skvortsov, 11 pp	
"Byulleten' M O-va Isp Prirody - Otd Biologii" Vol LII, No 6		"Byulleten' M O-va Isp Prirody - Otd Biologii" Vol LII, No 6	
Discusses plant growth of northern va Omolon River which empties into East Discusses the vegetation based on fou woody forests, subalpine belt of ceda belt of mountainous tundra, and high peaks. Plant growth of Omolon River	Siberian Sea. r main divisions: r growth, alpine above-timberline	First part of article gives geograph of area which author discusses and h topographical features. Discusses a plant growth on southern slopes near Station (about 30 km northwest of St Also briefly describes growth found	oriefly describent t great length Podkhozhee alinogorsk).
LC	48 T 79	LC w and a	48T 80
ISSR/Medicine - Plants (Contd)	Dec 1947	USSR/Medicine - Plants (Contd)	Dec 1947
more closely to growth found in valle River than what is found in valleys of River.	ys of the Anadyr f the Indigirka	slopes. Author very grateful for as K. Khrushchov, P. A. Smirnov, P. P.	sistance of G. Popov.
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с. С		70	· · · · ·
SSR/Medicine - Insects	48T79 Dec 1947	LC USSR/Medicine - Plankton	<u>48780</u> Dec 1947
Medicine - Fish	200 1971	Hydrography	100 194(
Feeding of the Dragonfly Nymph of the nisoptera," W. A. Berezina, $ll^{\frac{1}{2}}$ pp	suborder	"Reasons for the Periodical Nature of ment of Phytoplankton in Uchinsk Wate	the Develop- er Basins,"
Byulleten' M O-va Isp Prirody - Otd E ol LII, No 6	iologii"	K. A. Guseva, 13 ¹ / ₁ pp "Byulleten' M O-va Isp Prirody - Otd Biologii"	
mula of the Automation 2		Vol LII, No 6	22020822
ymphs of the Anisoptera play very imp rophodynamics of small water areas of iro stated that the larger Anisoptera	pond type.	Development of phytoplankton in the l	Johinsk water
eschnidae, and it has been observed t onds the nymphs of the latter have an ish. Thus, author states that it is o study the nymph of the Anisoptera a	hat in some nihilated the most important	basins is inhibited during winter who freezes, and reaches its most active spring and summer. Nature of develop fore, very periodic. First plankton winter period is the diatom. Presence	point during ment is, there- to appear after
<u>, </u>	48 T 81	rc	48182
SR/Medicine - Insects (Contd)	Dec 1947	USSR/Medicine - Plankton (Contd)	Dec 1947
fish fry. For this the Chair of Hy the Moscow Higher Technical Scientific ion studied to determine feeding habi which play basic roles in trophodynami reas. The author briefly describes f dragonfly symphs.	Fish Institu- ts of organisms cs of water	water also great factor in periodicit ment of plankton. A lack of P and to Mn do much to limit development of pl Uchinsk water basins.	y of develop- xic effect of
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	FDB Periodical Absta	acts Scientific No 48	Recenter (1990)
USSR/Medicine - Fungi Medicine - Geology	Dec 1947	USSR/Meteorology Solar Radiation	Apr 1946
"New Syringospora of Taym	yr," B. S. Sokolov, 10 pp	"The Amount of Solar Radiation at Kuyb Kastrov, $\frac{1}{4}$ p	yshev," V. G.
"Byulleten' M O-va Isp Pr. Vol XXII, No 6	irody - Otd Geologii"	"Priroda" No 4	
never discussed in article spora are new discoveries by author who treats it as Anthozoa of the order Aule Tetradina Okalitch. Also method for syringosporaces	ayr: Syringospora, Tetra- 1 Multithecopora. Last two se, and all except syringo- . Tabulata also discussed s an independent subclass exporacea, Favositacea, and includes a new diagnostic	Reference made to solar radiation char part of article by Prof N. N. Kalitin, No 2, 1945. Chart gives data on amoun radiation in European Russia. However limited number of observation points a od over which observations were made, that his chart is very rough approxima conditions. Kastrov uses data kept by	"Priroda," t of solar , due to nd short peri- Kalitin states tion of actual
	48183		48184
USSR/Meteorology Hydrology	Apr 1946	USSR/Meteorology (Contd)	Apr 1946
"The Importance of Snow Co and Problems Connected Wit 8 pp	wer in Nature and Economy h Its Study," G. D. Rikhter,	Geophysical Observatory and compares i chart. Actual recordings for 1942-194 99.5, and 100.8 Cal per sq cm. By int Kalitin's chart, Kastrov obtained 99 C	4 were 102.2, erpolation on
"Priroda" No 4			
effect of snow cover on cl cover in hydrologic proces	ucted to explain following: imate, significance of snow ses, role of snow cover in		
	, effect of snow cover on ant growth, and animal life.	• 4	
	481 85	LC of the second s	48 T 84
USSR/Nuclear Physics - Ins Physics	truction Jun 1946	USSR/Nuclear Physics - Neutrons Nuclear Physics - Particle Acceler	Jun 1946 rators
"Twenty-five Years of the cal Institute of the Acade Sominskiy, 4 pp	Leningrad Physical Techni- my of Sciences, USSR," M. S.	"Binding Energy of Neutrons in Nucleii, Berestetskiy, 12 pp	" V. B.
"Priroda" No 6		"Priroda" No 6	
it is impossible to give for this institute has accompli- years but presents main fea	, Ioffe, and Mitkevich. at of school. Semenov re- tomic energy. Author states all account of work that ished during the past 25 atures of its development.	Summary of information obtained from an Baldwin and Koch published in "Physical Vol 67, 1945, and an article in "Progre istry," Vol XII, No 3, 1943 (Uspekhi kh Berestetskiy states that discovery of a method of accelerating electrons has ma obtaining large amounts of high-energy He explains construction of the betatro cusses binding forces of neutrons.	Review," ess of Chem- himi). In induction de possible particles. on and dis-
LC USSR/Nuclear Physics - Plut	48786 tonium Apr 1946		48187
Nuclear Physics - Nept	tunium Apr 1946	USSR/Oceanography Salinity	Apr 1946
"Neptunium and Plutonium,"	L. B. Ponizovskiy, 4 pp	"Salinity of the Northern Part of the C Vs. A. Lebnev, $\frac{1}{4}$ p	aspian Sea,"
"Priroda" No 4		"Princial" No.	
Reference made to H. D. Smy in which explanation is giv obtaining certain uranium-t are plutonium and neptunium methods of obtaining the tr nium. Article is elementar consumption.	ven concerning methods of type elements. Among these a. Ponizovskiy discusses ransuranium element pluto-	"Priroda" No 4 In past few years, water level of the C has fallen as much as 180 cm. This cau crease in the salinity of sea. Author showing percentage increase in salinity to 15.40%), and names several scientist this phenomenon. Among these are Zayts gin.	sed great in- cites figures (from 14.66 s studying
LC	48 T 88	IC	48 T 89
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- RECENTED F	DB Periodical Abstr	acts Scientific No 48	I
USSR/Oceanography Meteorology	Jun 1946	USSR/Petroleum - Prospecting Soil Science	Apr 1946
"The Kurile Island Chain," Prof P.	V. Ushakov, 11 pp	"The Speed of Soil Formation in the Baranov, Nordvik Gulf, ‡ p	e Arctic," K. A.
"Priroda" No 6		"Priroda" No 4	
General description of chain. Discusses topography, brief explanation of flora and fauna, constant ocean currents, and charts showing average temperatures for Jan and Aug. and average temperature of the sea (upper layer of ocean). Most information obtained from long list of foreign publications, US Hydrographic, several by Japanese institutions, a few from Russian.		011 survey drilling was conducted on the Yurung- Tumus Peninsula (Laptev Sea) during Nov 1934. First hole sunk near Svodovoy River estuary. Operations shut down 1937, resumed 1942. Author makes brief	
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	48790	LC	48191
USSR/Petroleum - Sources Coal	Apr 1946	USSR/Physics Compounds, Condensation Mathematics, Applied	May/Jun 1946
"The Origin of Petroleum," L. K. Os: Microbiol, Acad Sci USSR, 6t pp "Priroda" No 4	nitskaya, Inst of	"Expansions Into a Series of Powers Parameter in the Theory of Statist:	
and a second and a second s		N. Bogolubov, Moscow State U, 8 pp	
Discusses method of determining ori, was suggested by Pallas of the Peter Sciences. Suggested that petroleum	rburg Academy of	"Journal of Physics USSR" Vol X, I Derivation of equations connecting	
result of dry burning of coal. However, author also makes reference to methods suggested by other scien- tists such as Mendeleyev, Arkhangel'skiy and others. States that mystery surrounding origin of petroleum will soon be clarified.		functions of different orders in the case of sta- tistical equilibrium, which are solved with aid of expansions into a series of powers of the density. Study of Ursel-Mayer theory, and Coulomb's inter- action. Derivation of an approximate integral	
LC	48 T 92	FDB	48193
USSR/Physics Adsorption Charcoal - Adsorption	May/Jun 1946	USSR/Physics (Contd) equation for the binary distribution	
"Adsorptive Properties and Structure I. Limiting Adsorption From Solution Charcoal," A. Kisselev, K. Shcherbal Chem, Lab of Surface Phenomena, Mosc	ns and Activated cova, Lab of Phys	can be used for description of the Received, 4 Jul 1945.	condensed state.
"Acta Physicochimica URSS" Vol XXI	, No 3		
Study of structure of adsorbents, es structure of the interface and struc	ture of the pores		
which are investigated by absorption over wide concentration range of the therms of various organic substances	adsorption iso-	•	
from aqueous solutions by ash-free o 15 Jun 1945. FDB	harcoal. Received, 48T94	FDB	48193
USSR/Physics Smokes - Particle Size Microscopes - Electron	May/Jun 1946	USSR/Physics Dyes, Cyanine Spectra Analysis	May/Jun 1946
"An Electron Microscopic Investigati posits," A. Shekhter, S. Roginsky, S of Catalysis and Topochem, Inst of H USSR, Moscow, 8 pp	. Sakharova, Sec	"Structure of the Sensitization Spe Dyes," S. Natanson, Res Inst of Cin Moscow, 12 pp	
"Acta Physicochimica URSS" Vol XXI,	No 3	"Acta Physicochimica URSS" Vol XXI	, No 3
Electron microscopic study of smoke solids of catalytic usage and some s known crystal forms, revealing quite ture of the deposits. Received, 15	deposits of some alts with well- peculiar struc-	Study of sensitization spectra of c regard to three types of bands obse polymolecular, molecular, and highl states of the dye, and the displace wave-length sensitization band. Re 1945.	rved; due to y aggregated ment of the short
FDB	48 T 95	FDB	48196
	- 1	19 -	