

GARKAVENKO, I.P.

The role of macrokinetic factors in catalytic naphthalene oxidation processes on fused vanadium pentoxide.
 Kornelchuk, Ya. I., Zlugailo, V. A., Baber, V. I., Chem. Abstr., 2007, Fiz. Khim. 20, 1078-9 (1978), No. 50, 12354. -- The porosity of an industrial fused V_2O_5 catalyst sample was determined by cutting out fragments of catalyst with a 0.75 cm. thick and measuring the cross-sectional area of the pores. The pores were filled with a solution of naphthalene. The total surface created by numerous small pores of the outer catalyst. The naphthalene oxidation proceeds principally in the inner diffusion range, and changes over to the outer diffusion range at 400°C. Further increase is accompanied by a sharp rise in the rate of reaction, and the diffusion difficulties in the inner range. The increase in the contact time caused by it, the rate of oxidation proceeds extensively in the inner pores, and the role of the catalyst inner surface becomes less important at the higher temps. (the reaction proceeding on the outer surface). The catalyst selectivity rises. This selectivity rise proceeds until with the rise in the temp., the reaction enters the outer diffusion range. This change is accompanied by a sharp temp. rise, and results in a reduced selectivity decrease. The selectivity-temp. curve passes, accordingly, through a max. at 400°, which corresponds, apparently, to the outside kinetic reaction course, according to the results obtained in the study, whereas the max. efficiency in the phthalic anhydride industrial production is at 420°. W. M. Steinberg

AS UkrSSR, I Institute
 of Physical Chemistry
 P. P. Lebedevskiy
 Kuzbasskiy khim.
 kombinat
 Ministry khim.
 sheloy promy-
 shlenosti, SSSR

PM

KNYAZYUK, K.A.; KHATSET, F.I.; GARKAVENKO, I.P.

Utilizing cold compounds for soil stabilization. Avt. dor. 22 no.9:
6-8 S '59. (MIRA 12:12)
(Soil stabilization) (Bituminous materials)

GARKAVENKO, I.P., inzh.; KNYAZYUK, K.A., kand.tekhn.nauk

Using bitumen emulsions in solidifying soils of various
granulometric compositions. Avt.dor.i dor.stroi. no.1:156-
164 '65. (MIRA 18:11)

GARKAVENKO, N.I.

[Modern methods for lactose crystallization in sweetened condensed milk products] Sovremennye metody kristallizatsii laktozy v sgushchennykh molochnykh produktakh s sakharon. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 19 p. (MIRA 17:12)

GARKAVENKO, P. F.

SHCHIKLIN, I.A.; GARKAVENKO, P.F., inzhener, retsenzent; TITKOV, B.S.,
redaktor; RUDENSKIY, Ya., tekhnicheskij redaktor.

[Accelerating the turnover of liquid assets; work practice of
machine-building factories] Uskorenie obrachivaemosti oborotnykh
sredstv; opyt mashinostroitel'nykh zavodov. Kiev, Gos. nauchno-tekhn.
izd-vo mashinostroit.i sudostroit. lit-ry, 1953. 66 p. (MLRA 7:8)
(Machinery industry--Accounting)

GARKAVENKO, P.G.

Innovators exchange practices. Tekst.prom. 21 no.3:87 Mr '61.
(MIRA 14:3)

1. Uchenyy sekretar' Khar'kovskogo mezhoblastnogo pravleniya
Nauchno-tekhnicheskogo obshchestva legkoy promyshlennosti.
(Knitting machines--Technological innovations)

GARKAVENKO, P.O.

On a voluntary basis. Tekst. prom. 24 no.10:27-29 0 '64.
(MIRA 17s12)

1. Uchenyy sekretar' Khar'kovskogo oblastnogo Nauchno-
tekhnicheskogo obshchestva legkoy promyshlennosti.

GARKAVENKO, S.F., inzh.

New technology for making rubber sole parts. Izv. vys. ucheb.
zav.; tekhn. leg. prom. no.2:75-81 '60. (MIRA 13:11)

1. Khustskaya obuvnaya fabrika.
(Boots and shoes, Rubber)

GARKAVENKO, S.F., inzh.

Studying the efficiency of the method of simultaneous cutting of shoe materials with a set of cutters. Report No.2: Some problems of the effect of material defects on its utilization in case of simultaneous cutting by means of a set of cutters. Izv.vys.usheb.zav.; tekh.leg.prom. 3:90-96 '62. (MIRA 15:6)

1. Khustskaya obuvnaya fabrika. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva Kiyevskogo tekhnologicheskogo instituta legkoy promyshlennosti.
(Shoe manufacture)

GARKAVENKO, S.F.

Footwear assortment and relations between the shoe manufacturers
and the retail trade. Kozh.-obuv. prom. 7 to.4:19-20 Ap '65.

(MIRA 18:6)

1. Nachal'nik upravleniya legkoy promyshlennosti Podol'skogo
soveta narodnogo khozyaystva.

GARKAVENKO, S.P. [Harkavenko, S.P.]

Utilizing the central part of insoles for the manufacture of
soles for infant and children's footwear. Leh.prom. no.1:
75-76 Ja-Mr '62. (MIRA 15:9)

1. Khustskaya obuvnaya fabrika.
(Khust--Shoe manufacture)

GARKAVENKO, V.P.

The ~~K~~-2 electric self-dumping car. Stek. 1 ker. 17 no.12:38 D '60.
(MIRA 13:11)

(Dump trucks)

GARKAVI, A.L.

Quasi-analytic (B) functions. Dop. ta pov. L'viv. un. no.7:pt.3:
281-284 '57. (MIRA 11:2)
(Functions, Analytic)

AUTHOR: Garkavi, A.L. SOV/42-13-3-41/41
TITLE: ~~Letter to the Editor (Pis'mo v redaktsiyu)~~
PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 3, p 254 (USSR)
ABSTRACT: This letter contains a correction for the paper "On the approximation of a periodic function and its derivatives with trigonometric polynomials", in Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 2, p 231. :

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SOV/44-59-1-244

16(1) 16.3000

Translation from : Referativnyy zhurnal. Matematika, 1959, Nr 1, p 41 (USSR)

AUTHOR: Garkavi, A.L.

TITLE: On Quasi-analytic (B) Functions

PERIODICAL: Dopovidi ta povidomlennya. L'vivs'k. un-t, 1957, vyp 7,
ch. 3, 281 - 284

ABSTRACT: The class of the quasi-analytic functions in the sense of S.N. Bernshteyn is denoted with $B \{ n_k \}$. A function $f(x)$ infinitely differentiable on the interval $[a, b]$ is called quasi-analytic (D) (in the sense of Denjoy), if

$$\lim_{n \rightarrow \infty} M_n^{-\frac{1}{n}} = \infty, \text{ where } M_n = \max_{[a, b]} |f^n(x)|.$$

The following theorems are formulated without proof :

Theorem : In order that all functions of the class $B \{ n_k \}$ are quasi-analytic (D), it is necessary and sufficient that there exists an even

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16(1)

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SOV/44-59-1-244

On Quasi-analytic (B) Functions

normally increasing weight function $\phi(x)$ such that the inequalities

$$\ln \phi(n_{k+1}) \leq n_k \quad (k = 1, 2, \dots)$$

are satisfied.

A necessary and sufficient condition in other terms was formerly given by S.N. Mergelyan (Tr. Matem. in-ta AN SSSR, 1951, 37).

Theorem : Each function $\psi(x)$ continuous on $[a, b]$ can be a pseudo-analytic continuation of a function quasi-analytic on $[b, c]$.

V.S. Videnskiy

Card 2/2

GARKAVI, A.L., Cand Phys Math Sci -- (diss) "Certain problems ^{of the} in
approximation ^{of} differentiable functions with polynomials." Mos,
1959, 6 pp (Acad Sci USSR. Math Inst im V.A. Steklov) 185 copies
(EL, 36-59, 111)

- 3 -

16(1)

AUTHOR: Garkavi, A.L.

SOV/38-23-1-4/6

TITLE: On the Dimension of Polyhedra of Best Approximation for Differentiable Functions (O razmernosti mnogogrannikov nailuchshego priblizheniya dlya differentsiruyemykh funktsiy)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1959 Vol 23, Nr 1, pp 93-114 (USSR)

ABSTRACT: The author investigates the best uniform approximation of s times differentiable functions by a finite-dimensional subspace belonging to the manifold of these functions. He gives necessary and sufficient conditions that the dimension of the polyhedron of best approximation for an s times differentiable function is not greater than r . The dimensions of the mentioned polyhedra are compared with each other for the case of s times differentiable functions and for the case of all continuous functions; certain inequations between the maxima of these dimensions are obtained. Some examples are given. The author mentions investigations of Chebyshev, M.G. Kreyn and S.Ya. Khavinson. He thanks S.B.

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On the Dimension of Polyhedra of Best
Approximation for Differentiable Functions

SOV/38-23-1-4/6

Stechkin for giving the theme and advices.

There are 14 references, 11 of which are Soviet, 1 German,
1 American, and 1 English.

PRESENTED: by S.L. Sobolev, Academician

SUBMITTED: April 8, 1958

Card 2/2

68127

S/038/60/024/01/005/006

~~16(1)~~ 16.4200 16.4100

AUTHOR: Garkavi, A.L.

TITLE: On the Simultaneous Approximation of a Periodic Function and its Derivatives by Trigonometric Polynomials \y

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1960, Vol 24, Nr 1, pp 103-128 (USSR)

ABSTRACT: Let $W^{(r)}$ be the class of 2π -periodic functions with a bounded r -th derivative. Let $f(x) \in W^{(r)}$. Let $T_n(f^{(s)}, x)$ denote a trigonometric polynomial of n -th order which deviates least from the function $f^{(s)}(x)$ ($s=0, 1, \dots, r; f^{(0)}(x) \equiv f(x)$);

$$E_n(f^{(s)}) = \|f^{(s)} - T_n(f^{(s)})\| = \inf_{T_n} \|f^{(s)} - T_n\|, \text{ where } \|f\| = \max_{0 \leq x \leq 2} |f(x)|.$$

Let further

$$C_{n,r}(f) = \inf_{T_n} \max_{0 \leq s \leq r} \frac{\|f^{(s)} - T_n^{(s)}\|}{E_n(f^{(s)})} \text{ and } C_{n,r} = \sup_{f \in W^{(r)}} C_{n,r}(f).$$

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On the Simultaneous Approximation of a
Periodic Function and its Derivatives by
Trigonometric Polynomials

S/038/60/024/01/005/006

It is stated that


$$C_{n,r} = \frac{4}{\pi^2} \ln(p+1) + O(\ln \ln \ln p),$$

where $p = \min \{n, r\}$. Furthermore a result of G. Freud [Ref 17] is improved and it is shown that

$$\begin{aligned} \|f^{(r)} - T_n^{(r)}\| &\leq \|f - T_n\| \cdot n^r + C_{n,r} \{n^r E_n(f)\} + E_n(f^{(r)}) \leq \\ &\leq \|f - T_n\| n^{r+(1+\frac{\pi}{2})} C_{n,r} E_n(f^{(r)}). \end{aligned}$$

The polynomial $T_{n,r}^*(f, x)$ which satisfies the conditions

$$\|f^{(s)} - T_{n,r}^*(f)\| \leq C_{n,r}(f) E_n(f^{(s)}), \quad s=0, 1, \dots, r,$$

is called the extremal polynomial of the simultaneous approximation of the function and its r first derivatives. 

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68127

On the Simultaneous Approximation of a
Periodic Function and its Derivatives by
Trigonometric Polynomials

S/038/60/024/01/005/006

It is stated that the extremal polynomial in general is not uniquely determined.

The author mentions Bernshteyn, Nikol'skiy, Sun' Yunshen; he thanks S.B. Stechkin for the theme and advices.

There are 18 references, 9 of which are Soviet, 5 German, 1 Danish, 1 Swedish, 1 English, and 1 French.

PRESENTED: by A.N.Kolmogorov, Academician.

SUBMITTED: July 1, 1958

X

Card 3/3

S/020/60/132/03/02/066

AUTHOR: Garkavi, A.L.

TITLE: On the Spaces of Linear Operators

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 3, pp.497-500

TEXT: Let E be a conjugated Banach space. Let *E denote a Banach space to which E is conjugated.

Theorem 1: Let $E_\alpha (\alpha \in A)$ be a family of Banach spaces and E be its Cartesian product with the norm $\|F\| = \sup_{\alpha \in A} \|F_\alpha\|_{E_\alpha}$, where F_α is the α -th

component of the element $F \in E$. If every E_α is a conjugated space then E is conjugated to a space *E all the elements of which are series

$$(1) \quad \psi = \sum_{k=1}^{\infty} f_{\alpha_k}$$

for which $\sum_{k=1}^{\infty} \|f_{\alpha_k}\|_{E_{\alpha_k}} < \infty$, where $\alpha_k \in A$, $f_{\alpha_k} \in {}^*E_{\alpha_k}$. Here

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On the Spaces of Linear Operators

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$$\| \varphi \|_{*E_1} = \sum_{k=1}^{\infty} \| f_{\alpha_k} \|_{*E_{\alpha_k}}$$

Theorem 2: Let $B = B(X \rightarrow Y)$ be the space of linear operators which map the Banach space X into the Banach space Y . If Y is a conjugated space, then the space B is conjugated too.

The conjugateness of the considered operator spaces guarantees the existence of solutions of several extremal problems in these spaces; e.g. :

Theorem 3: To every bounded function F given on the unit sphere S_X of the space X and the values of which lie in the conjugated space Y , there exists a nearest linear operator $T^* \in B = B(X \rightarrow Y)$, i.e. an operator T^* so that

$$\sup_{x \in S_X} \| F(x) - T^*(x) \|_Y = \inf_{T \in B} \sup_{x \in S_X} \| F(x) - T(x) \|_Y$$

Some further properties of the considered spaces are mentioned, e.g. :

Theorem 5: If Y is reflexive, then $B(X \rightarrow Y)$ is weakly complete and its unit sphere is weakly bicomact.

There are 7 theorems and some conclusions. The author mentions M.G. Kreyn and

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On the Spaces of Linear Operators

S/020/60/132/03/02/066

V.V. Shmul'yan. He thanks S.B. Stechkin for the theme. There are 7 references:
2 Soviet, 4 American and 1 Polish.

ASSOCIATION: Matematicheskii institut imeni V.A. Steklova Akademii nauk
SSSR (Mathematical Institute imeni V.A. Steklov AS USSR)

PRESENTED: January 29, 1960, by A.N. Kolmogorov, Academician

SUBMITTED: January 22, 1960

Card 3/3

GARKAVI, A.L.

New method of photographic contact printing. Geod. i kart.
no. 10:69-71 0 '60. (MIRA 13:12)
(Map printing)

GARKAVI, A. L.

General theorems on elimination. Rev math pures 6 no.2:293-303 '61.

GARKAVI, A.L.

Theorems of duality for approximations with the aid of convex sets.
Usp. mat. nauk 16 no.4:141-145 J1-Ag '61. (MIRA 14:8)
(Aggregates) (Approximate computation)

GARKAVI, A.L.

Computer for stereoptical height determinations. Geod.i kart.
no.8:47-53 Ag '62. (MIRA 15:8)
(Leveling) (Calculating machines)

GARKAVI, A.L.

Electroluminescent light sources for topographic stereometers.
Geod.i kart. no.6:61-62 Je '62. (MIRA 15:8)
(Aerial photogrammetry) (Electric lamps)

GARKAVI, A.L.

Best net and best section of a set in normalized space. Izv. AN
SSSR. Ser.mat. 26 no.1:87-106 Ja-F '62. (MIRA 15:2)
(Agregates)(Spaces,Generalized)

GARKAVI, A. L. (Moskva); GOGOLEVSKIY, V. B. (Moskva)

Concerning the reliability of reserved devices. Izv. AN SSSR.
Otd. tekhn. nauk. Energ. i avtom. no.6:156-167 N-D '62.
(MIRA 16:1)

(Electronic industries--Quality control)
(Automatic control)

GARKAVI, A. L.

AID Nr. 989-4 13 June

CALCULATION OF THE MEAN TIME OF NO-FAILURE OPERATION OF TWO-UNIT REDUNDANT SYSTEMS (USSR)

Garkavi, A. L., and V. V. Gogolevskiy. IN: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Tekhnicheskaya kibernetika, no. 2, Mar-Apr 1963, 29-39. S/280/63/000/002/005/021

Two-unit redundant systems with restorable redundant elements and automatic switching are studied for three typical cases: a) cold redundancy, b) hot redundancy, and c) hot redundancy with hot restoration of a unit. For (a) and (b) two versions are considered, when the restoration time τ of the system that failed is a constant and when it is a random variable distributed according to the exponential law. For case (c) only the first version is considered. To determine the mean time of no-failure operation of two-unit redundant systems for these cases, exact algebraic formulas are derived in terms of τ , λ , μ , and q (λ is the rate of failures, $1/\mu$ is the mean restoration time, and q is the probability of no-failure operation of a switch). For $q = 1$, these formulas are the same as formulas derived earlier by the authors.

[LK]

Card 1/1

GARKAVI, A. I.

Topology in Banach spaces. Usp.mat.nauk 18 no.1:151-154 Ja-F
'63. (Topology) (Banach spaces) (MIRA 16:2)

GARKAVI, A.L.

Chebyshev and near-Chebyshev subspaces. Dokl. AN SSSR 149
no.6:1250-1252 Ap '63. (MIRA 16:7)

1. Predstavleno akademikom A.N.Kolmogorovym.
(Banach spaces)

GARKAVI, A.L. (Moskva)

Best approximation by elements of infinite-dimensional subspaces
of a certain class. Mat. sbor. 62 no.1:104-120 S '63.

(MIRA 16:10)

(Banach spaces)

GARKAVI, A.L.

Criterion of an element of best approximation. Sib. mat. zhur.
5 no. 2:472-476 Mr-Ap '64. (MIRA 17:5)

GARKAVI, A.L.

Chebyshev center in the convex envelope of a set. Usp. mat.
nauk 19 no.6:139-145 N-D '64 (MIRA 18:2)

ACCESSION NR: AP4040434

S/0038/64/028/003/0553/0570

AUTHOR: Garkavi, A. L.

TITLE: Uniqueness of the solution of the L problem of moments

SOURCE: AN SSSR. Izvestiya. Seriya matematicheskaya, v. 28, no. 3, 1964, 553-570

TOPIC TAGS: unique solution, L problem, functional extension, Banach space, minimal norm, Hahn Banach theorem, Chebyshev subspace

ABSTRACT: Let B be a Banach space, x_1, x_2, \dots, x_n be linearly independent elements from B , c_1, c_2, \dots, c_n be arbitrary real numbers. The L-problem of moments consists of finding the minimum of the norms of those functionals $\{f\}$ from the conjugate space B^* for which

$$f(x_k) = c_k \quad (k = 1, 2, \dots, n). \quad (1)$$

are satisfied. A solution of the L-problem of moments is a functional f having minimal norm among all the functionals satisfying these conditions. The author

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ACCESSION NR: AP4040434

is concerned with finding conditions for the solution to be unique, after noting that the L-problem always has a solution according to a theorem of Hahn-Banach. Orig. art. has: 16 formulas.

ASSOCIATION: none

SUBMITTED: 07May63

DATE ACQ: 24Jun64

ENCL: 00

SUB CODE: MA

NO REF SOV: 006

OTHER: 006

Card 2/2

GARKAVI, A.L.

Approximate properties of finite-defect subspaces in a space
of continuous functions. Dokl. AN SSSR 155 no. 3:513-516 Mr '64.
(MIRA 17:5)

1. Predstavleno akademikom A.N.Kolmogorovym.

GARKAVI, A.L. (Moskva)

Quasi-Chebyshev systems of continuous functions. Izv. vys. ucheb.
zav.; mat. no.2:36-44 '65. (MIRA 18:5)

L 51464-65 EEC(b)-2/EWA(h)/EWT(1) Pg-4/Pl-4/Pm-4/Po-4/Pq-4/Pe-4

ACCESSION NR: AP5013847

UR/0103/65/026/005/0906/0914
62-50:621.3.019.35

41
B

AUTHOR: Garkavi, A. L. (Moscow); Gogolevskiy, V. B. (Moscow)

TITLE: Determining the mean time of failure-free operation of two-unit redundant systems with control and automatic switching devices

SOURCE: Avtomatika i telemekhanika, v. 26, no. 5, 1965, 906-914

TOPIC TAGS: reliability theory, two unit redundant system, failure free operation reliability, mean time between failures

ABSTRACT: The reliability of two-unit redundant systems equipped with controlling and switching devices is analyzed under the assumption that the times of failure-free operation for each unit and for the control device are distributed exponentially and that failures of the switching device follow the Poisson distribution. To determine the mean time T_c of failure-free operation, two cases are considered: a) the down-time T_v of the system is constant ($T_v = \text{const}$); b) the down-time is a random process which follows the exponential distribution. It is emphasized that the value of T_c for two-unit redundant systems not equipped with control and

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L 51464-65

ACCESSION NR: AP5013847

switching devices was determined by the known formula

$$T_0 = \int_0^{\infty} P(t) dt, \quad (1)$$

where P(t) is the probability of failure-free operation of the system in time t; however, even in this simplified case, determination of P(t) is not always possible and in the case of the complex systems studied in the article, the exact determination of P(t) is practically impossible. Therefore, the method presented in the article makes it possible to determine T₀ without using P(t). The essence of the method consists in decomposing the performance time of the system into the so-called "uniform cycles" and determining the mathematical expectations of the down-time for each cycle. The total mean time T₀ is calculated as the sum of the computed mathematical expectations for each cycle. Orig. art. has: 32 formulas. [LK]

ASSOCIATION: none

SUBMITTED: 04Sep64

ENCL: 00

SUB CODE: 1E

NO REF SOV: 003

OTHER: 001

ATD PRESS: 4017

Card 2/27/0

GARKAVI, A. M.

Nekrasov, Nikolai Alekseevich, 1821-1877

Newly found story of N. A. Nekrasov "Sketches of literary life." Uch. zap. Len. un. no. 122, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

BRONNIKOVA, M.A.; GARKAVI, A.S.; MASIS, T.M.; UL'MER, V.E.

Group differentiation of human fetuses (isoserological systems ABO, MNs, P, and Rh). Sud.-med. ekspert. 5 no.1:31-37 Ja-Mr '62.

(MIRA 15:4)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.

(BLOOD GROUPS) (FETUS)

BRONNIKOVA, M.A.; GARKAVI, A.S.; MASIS, T.M.; UL'MER, V.E.

Characteristics of the methods and technique for studying blood group differentiation in human fetuses. Sud.-med.ekspert. 5 no.3: 30-34 J1-S '62. (MIRA 15:9)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR. (BLOOD GROUPS) (FETUS)

BRONNIKOVA, Mariya Aleksandrovna; GARKAVI, Anna Samoylovna;
TUMANOV, A.K., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Methodology and technique of forensic medicine
expertise on material evidence] Metodika i tekhnika su-
debnomeditsinskoj ekspertizy veshchestvennykh dokaza-
tel'stv. Moskva, Medgiz, 1963. 277 p. (MIRA 17:2)



BRONNIKOVA, M.A.; GARKAVI, A.S.; MASIS, T.M.; UL'MER, V.E.

Identification of agglutinogens of the ABO isoserological system
and P agglutinin in the body tissues of human fetuses. Sud.-med.
ekspert. 6 no.1:37-39 Ja-Mr '63. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. -
prof. V.I. Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(AGGLUTINOGENS) (FETUS)

BRONNIKOVA, M. A.; GARKAVI, A. S.

"Razvitiye izoserologicheskikh sistem u cheloveka v protsesse embriogeneza."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

BRONNIKOVA, M.A.; GARKAVI, A.S.; MASIS, T.M.

Development of the Lewis isoserological system during the process
of embryogenesis. Biul. eksp. biol. i med. 57 no. 5:62-64 My '64.
(MIRA 18:2)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. -
prof. V.I. Prozorovskiy) Ministerstva zdравookhraneniya SSSR,
Moskva. Submitted April 12, 1963.

BRONNIKOVA, M.A.; GARKAVI, A.S.; MASIS, T.M.; UL'MER, V.E.

Characteristics of the development of the ABO isoserological system in human fetuses. Sud.-med. ekspert. 8 no.1:21-25 Ja-Mr '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy Ministerstva zdravookhraneniya SSSR, Moskva.

GARKAVI, B. L.

PA 37/49T81

USSR/Medicine - Nematodes
Medicine - Parasites

Mar 49

"Study of the Developmental Cycle in Nematoda Streptocara Grassicauda (Grepilin, 1829), Parasites of Wild and Domestic Ducks," B. L. Garkavi, All-Union Inst of Helminthol, 4 pp

"Dok Ak Nauk SSSR," Vol LXV, No 3

Concludes that: (1) Intermediate host of Streptocara grassicauda is the Gammarrus lacustris. (2) Time necessary for development of parasite from egg to invasion larvae in intermediate host is 19 - 25 days depending on temperature. (3) Time of development for parasite in terminal host (duck) from moment of infestation until appearance of eggs in

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Mar 49

USSR/Medicine (Contd)

Feces is 9-10 days. (4) In their development from egg to mature form, parasites go through four stages - two in the intermediate and two in the terminal host. Submitted by Acad K. I. Stryabin, 24 Jan 49.

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GARKAVI, L.

IA 151T49

USSR/Medicine - Helminthology
Parasitology

21 Jun 49

"Development of the Trematode, *Tetrameres flaspis*, Parasitic in Domestic and Wild Ducks," B. L. Garkavi, All-Union Inst of Helminthol imeni Skryabin, 4 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 6

In studying the cause of tetrameriosis, Garkavi concluded: *Tetrameres flaspis* develops in an intermediate host such as the *Gammarus lacustris* in West Siberia. Time of development (8-18 days) from egg to invading this host depends on temperature.

Development period in the final host (duck) from infection to appearance of eggs in the feces of the duck is 18 days. Two development stages are undergone in the intermediate and two in the final host. Submitted by Acad K. I. Skryabin, 22 Apr 49.

151T49

GARKAVI, B.L.

GARKAVI, B.L., kand. vet. nauk.

Developmental cycle of the nematode *Streptocara crassicauda*, diagnosis
and epizootiology of *Streptocara* infections in ducks. Trudy VIGIS 5:
5-22 '59. (MIRA 11:1)

(Nematoda) (Parasites--Ducks)

GARKAVI, B.L., kandidat veterinarnykh nauk.

Clinical picture of experimental strongyloidiasis in lambs. Veterinariia
33 no.4:37-38 Ap '56. (MIRA 9:7)

1. Krasnodarskaya nauchno-issledovatel'skaya veterinarnaya opytnaya
stantsiya.
(Lambs--Diseases) (Nematoda)

GARKAVI, B.L., kandidat veterinarnykh nauk.

A few comments on A.A. Kudriavtsev's book "Blood examination in veterinary diagnosis." Veterinariia 33 no.5:84-85 My '56.

(MLRA 9:8)

1. Krasnodarskaya nauchno-issledovatel'skaya veterinarnaya opyt'naya stantsiya.

(Kudriavtsev, A.A.)
(Blood--Examination)
(Veterinary medicine)

GARKAVI, B.L.

✓ Evaluation of lead arsenite in moniesiosis of sheep.
B. L. Garkavi (Vet. Inst., Krasnodar). *Veterinariya* 33,
No. 9, 41-2 (1950).—It was shown that Pb arsenite is 80-
100% effective in this disease when given at dosage of 1 g./
young animal and 3 g./older animal; the above levels failed
to produce toxic symptoms. In actual treatment a dose of
0.5-1.0 g. can be employed. G. M. Kozolapoff

Med

GARKAVI, B.L.

Distribution and natural enzootic areas of streptocarcosis in ducks.
[with English summary in insert]. Zool.zhur. 35 no.3:376-378 Mr '56.
(MLRA 9:7)

1. Krasnodarskaya veterinarnaya opyt'naya stantsiya.
(Nematoda) (Ducks--Diseases and pests)

GARYAVI, B.I.

Ability of *Hymenolepis fraterna* (Stiles, 1906) larvae to develop in mesenterial lymphatic nodes. Dokl.AN SSSR 111 no.1:240-241 N-D '56.
(MLRA 10:2)

1. Krasnodarskaya Nauchno-issledovatel'skaya veterinarno-opytnaya stantsiya. Predstavleno akademikom K.I.Skryabinym.
(TAPEWORMS)

USSR / Zooparasitology - Helminths:

G-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 81723

Author : Garkavi, B. L.

Inst : Not given

Title : Susceptibility of White Mico, Rabbits, and Guinea Pigs
to the Causative Agent of Sheep Dictyocaulosis

Orig Pub : S. Kh. Kubani. Inform. byul., 1957, No 2, 40-41

Abstract : No abstract given

Card 1/1

COUNTRY : USSR R
 CATEGORY : Division of Farm Animals. Diseases of Sheep
 100 Minutes
 ABS. JOUR. : ZhSviol., No. 1959, No. 1502
 AUTHOR : ~~Yankov, S. I.~~
 INST. : ~~Scientific Institute of Animal Husbandry~~
 TITLE : Experiments for the Study of the Toxicity of Lead Arsenite for Sheep
 ORIG. PUB. : S. Kh. Kubani. Inform. byul., 1959, No. 2, 37-39
 ABSTRACT : Lead arsenite was tried on 1,923 sheep in a dose of 1 g. and showed a high effectiveness (90-100%) in non-infectious. It was also found that a toxic dose of the preparation for lambs weighing 16-20 kg is a dose of 0.21 g/kg, and the minimal lethal dose is 0.27 g/kg.
 CARD: 1/1

USSR / Zoonoosology. Parasitic Worms.

G-2

Abs Jour : Ref Zhur - Biol., No. 8, 1958, No 33949

Author : Artyukh, E. S., Garkavi, B. L., Ignatov, I. D.

Inst : Not given

Title : Data on Helminthofauna of the Krasnodar Region. -- Materialy po golmintofaune Krasnodarskogo kraya.

Orig Pub : Tr. Kubansk. s.-kh. in-ta, 1957, No. 3 (31), 227-229.

Abstract : In 1952-1953, in sheep of the Krasnodar region (based on complete helminthological dissection of 6 and a partial dissection of 52 bodies, and helminthocoprological investigation of 1422 sheep), 26 species of helminths were identified. Most numerous is the nematode group (widely disseminated are *Dictyocaulus filaria*, *Haemonchus contortus*). Cestodes frequently encountered are *Moniozia expansa*, larvae *Echinococcus granulosus* and *Taenia hydatigena*. In chickens (50 samples were dissected) a high extensive and intensive invasion by 5 species is noted.

Card 1/1

USSR/Zooparasitology - Parasitic Worms.

G

Abs Jour : Ref Zhur Biol., No 1, 1959, 1011

Author : Garkavi, B.L.

Inst : Omsk Veterinary Institute

Title : New Setaria (Setaria capreola nov. sp.) from European
Deer

Orig Pub : Tr. Omskogo vet. in-ta, 1957, 15, 237-242

Abstract : No abstract.

Card 1/1

- 27 -

USSR/Zoopa~~m~~ sitology - Parasitic Worms. General Problems.

G.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 48179

Author : Garkavi, B.L., Glebova, I.Ya.

Inst : -

Title : The Development of Cestodes Hymenolepis fraterna (Stiles, 1906) and Hymenolepis nana (Siebold, 1852) in the Organism of White Mice.

Orig Pub : Zool. zh., 1957, 36, No 7, 986-991.

Abstract : By means of dissection of white mice, infested naturally by H. fraterna and infested experimentally with the eggs of this parasite and H. nana, there have been ascertained the migration of the larvae of hymenolepis (apparently, during superinfestation) and their growth in the mesentery of the lymphatic nodes. During the growth in the nodes, the larvae pass through the same stages, only at a slower rate.

Card 1/1

Krasnodar Sci Res Veterinary Station

GARKAVI, B.L.

Experiment in controlling Dictyocaulus infestations in sheep in
four districts of Krasnodar Territory. Trudy Gel'm. lab. 9:69-70
'59. (MIRA 13:3)

(Krasnodar Territory--Nematoda) (Parasites--Sheep)

GARKAVI, B.L., kand.veterin.nauk; YARNYKH, A.M., red.; TRUKHINA, O.N.,
tekhn.red.; PEVZNER, V.I., tekhn.red.

[Measures against helminthiasis of ducks] Mery bor'by s gel'-
mintozami utok. Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i
plakatov, 1961. 81 p. (MIRA 15:2)

(Parasites--Ducks)

(Worms, Intestinal and parasitic)

EXCERPTA MEDICA Sec 7 Vol 13/o Pediatrics Sent 50

2445. CLINICAL CHARACTERISTICS OF POLIOMYELITIS ACCORDING TO DATA OF THE YAKOSLAV CHILDREN'S HOSPITAL FOR 1956 (Russian text) - Garkavi E. A. and Lugovkina V. P. - PEDIATRIYA 1958, 4 (48-53) Tables 2

While in previous years only sporadic cases were noted, the incidence in 1956 assumed epidemic proportions. The epidemic began in June and lasted till December. Most cases were admitted in July (76), August (58) and September (48). The total number of cases was 306; 56 of them had aparalytic forms. 48.3% were

Chair Children's Diseases, Yaroslavl Medical Inst.

6444442, I. Sh.

✓Leather substitute. P. F. Sapilevskii, L. V. Zil'pert,
and I. Sh. Garkavi. U.S.S.R. 104,929, Feb. 25, 1957.
Addn. to U.S.S.R. 65,743 (C.A. 40, 7700). Water-sol.
salts are leached out from the product while the latter
moves and is subjected to tension and squeezing. M. H.

GARKAVI, I. Ya.; STENDER, V.V.

Lixiviation of manganese ores from the Dzhezdinski Basin. Izv.
AN Kazakh. SSR Ser. khim. no. 1:74-102 '47. (MLRA 9:8)
(Dzhezdinski Basin--Manganese ores)

GARKAVI, I. Ya.

Use of tungsten electrode for measuring Ph. Izv. AN Kazakh SSR
Ser.khim. no.3:40-43 '49. (MLBA 9:8)
(Electrodes, Tungsten)
(Hydrogen-ion concentration)

GARKAVI, I.Ya.; STENDER, V.V.

Components of the voltage balance in the electrolysis of manganous sulfate. *Izv. AN Kazakh. SSR Ser. khim.* no. 3:44-54 '49. (MLBA 9:8)
(Manganese--Electrometallurgy)

CA
Cathode, 1/2

4

Electrode potentials and electric conductivity of the solutions in the electrodeposition of manganese. I. Ya. Garbavi and V. V. Stender (Acad. Sci. Kazakh S.S.R.), *Zh. Priklad. Khim.* (J. Applied Chem.) 23, 500-503 (1980).—The electrolyte, 40-80 g./l. Mn in the form of $MnSO_4$, $(NH_4)_2SO_4$ 100-150 g./l., H_2SO_4 0.2 g./l., pH 2-8, flows into the cathode space, and from there, through a diaphragm, into the anode compartment; the outgoing anolyte has the compn. Mn 10-20, $(NH_4)_2SO_4$ 100-150, H_2SO_4 20-50 g. l. On an Al foil cathode, the crit. c.d., i_c , necessary for the deposition of Mn to begin increases with the acidity (pH 8.5-2.4); the slope of the i_c isotherms is the greater the higher the temp. No smooth Mn deposits were obtained at high pH. Below i_c , the cathode potentials fluctuate; the jumps and breaks are possibly due to evolution of H_2 , partly on Al, partly on Mn which in this region may be deposited transiently, only to be dissolved very rapidly. Cathode potentials η are a linear function of the log of the c.d., $\eta = a + b \log i$, with Tafel's coeff. $b = 0.20-0.24$, i.e. about twice as high as normal. Anode potentials on pure Pb anodes are also represented by Tafel's equation, with $b = 0.22$ as against $b = 0.17$ in the absence of Mn^{2+} ions; on Pb-Ag (1%) anodes, the corresponding values of b are 0.08 and 0.10, resp. On that alloy anode, the anode potentials are by 0.05-0.15 v. less pos. than on pure Pb; consequently, there is advantage in the use of Pb-Ag (1%) anodes rather than pure Pb on which $Mn(OH)_2$ is formed more readily. The elec. cond. of aq. solns. of $(NH_4)_2SO_4$ decreases with increasing amt. of $MnSO_4$, owing to a viscosity effect; the elec. cond. corrected for viscosity increases with increasing amt. of $MnSO_4$.

N. Thom

The standard potential of manganese. ²⁷ I. Ye. Gackst.
Sbornik Nauch. Trudov Khimich. Univ. Inst. 1954, No. 1,
225-8; Referat. Zhur., Khim. 1956, Abstr. No. 6482. —
For detn. of the standard potential of Mn, the results of
testing the equil. potential of an electrolytic Mn electrode
in solns. contg. different amts. of $(NH_4)_2SO_4$ and $MnSO_4$
at 25° are utilized. The standard potential calcd. from the
data is -1.06 v. N. Vasileff

2

4E2C
4E3d

||

MT

GARKAVI, KH. I.

preprint *conclusion* *crisis* *zone* *work*

42694. GARKAVI, KH. I. K Obrabotke Pronikayushchikh Cherepno-Mozgovykh Raneniy v Usloviyakh Velikoy Otechestvennoy Voiny (1941-1945 GG). Trudy In-ta Neyrol.hirurgii Im. Burdenko, T. I, 1946, s. 201-13.

preprint *conclusion* *crisis* *zone* *work*

SC: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

UKOLOVA, M.A.; GARKAVI, L.Kh.

~~.....~~
Modifications in the buffer capacity of the tissues during
endocrine disorders and tumor growth. Biul. eksp. biol. i
med. 49 no. 4:57-59 Sp '60. (MIRA 13:10)

1. Iz eksperimental'nogo otdela (zav. - prof. M.A. Ukolova)
Rostovskogo-na-Donu nauchno-issledovatel'skogo instituta
rentgenologii, radiologii i onkologii (dir. P.N. Snegirev)
Ministerstva zdravookhraneniya RSFSR.
(TUMORS) (ENDOCRINE GLANDS)

GARKAVI, L. Kh.

Change in the thrombokinase and fibrinogen content of blood during the growth of transplantable sarcoma. Biul. eksp. biol. i med. 52 no.8:94-97 Ag '61. (MIRA 15:1)

1. Iz eksperimental'nogo otdela (zav. - prof. M.A.Ukolova) Rostovskogo gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii (dir. P.N.Snegirev) Ministerstva zdravookhraneniya RSFSR, Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.
(TUMORS) (BLOOD)

BORDYUSHKOV, Yu.N.; GARKAVI, L.Kh. Rostov-na-Donu)

Central regulation of cholesterol metabolism. Pat. fiziol. i eksp.
terap. 6 no.6:57-58 N-D'62 (MIRA 17:3)

1. Iz eksperimental'nogo otdela (zav. - prof. M.A. Ukolova)
Rostovskogo gosudarstvennogo nauchno-issledovatel'skogo instituta
rentgenologii, radiologii i onkologii Ministerstva zdravookhra-
neniya RSFSR.

UKOLOVA, M.A.; BORDYUSHKOV, Yu.N.; GARKAVI, L.Kh.

Effect of stimulation of the hypothalamus on the growth of
transplanted sarcomas. Biul. eksp. biol. i med. 53 no.5:
111-116 My '62. (MIRA 15:7)

1. Iz eksperimental'nogo otdela (zav. - prof. M.A. Ukolova)
Rostovskogo nauchno-issledovatel'skogo instituta rentgeno-
logii radiologii i onkologii (dir. P.N. Snegirev) Ministerstva
zdravookhraneniya RSFSR. Predstavlena deystvitel'nym chlenom
AMN SSSR V.V. Parinym.
(HYPOTHALAMUS) (CANCER)

GAL'PER, R.R., inzh.; GARKAVI, L.M., inzh.

Determining the coefficient of the nonuniformity of load along
the width of herringbone-gear rims. Vest. mashinostr. 45 no.4:
35-38 Ap '65. (MIRA 18:5)

AKIMOVA, T.V.; GARKA VI, M.I.; SHAMSUTDINOV, K.Sh.

Aniline dyeing of sheepskins. Patent U.S.S.R. 77,911, Dec.31, 1949.
(CA 47 no.19:10239 '53)

GARKAVI, M. I.

✓ Electrochemical method for extraction of chromium from industrial waste waters. A. P. Garkavi, G. Z. Almasov, and K. Sh. Shamsutdinov. *Uchenye Zapiski Kazan. Univ.* 111, No. 8, 23-24 (1969). Ref. cit. *Zhur. Khim.* 1981, No. 13217. — The method described is based on the formation of an insol. ppt. of the type $Fe(CrO_4)_2$ in the cell filled with soln. contg. Cr. The process is carried out in the presence of substances depolarizing the Fe anode, e.g. NaCl.

3

1. Кафедрa Неорганической химии

GARKAVI, M. YU.

Metamorphosis of the Kara Bogaz Gulf brines. V. M. Bukhichin, M. Yu. Garkavi, and N. S. Garkavi. J. Appl. Chem. U.S.S.R. 19: 907-15 (1952); Zhar. Priklad. Khim. 25, 828-37 (1953).—Concn. of the brines produces crystn. of halite, cocrystrn. of halite and astrakanite, and cocrystrn. of halite, astrakanite, and epsomite. Zones exist in the gulf in which qualitatively and quantitatively different physicochem. processes are taking place simultaneously which lead to differentiation in compn. of the coastal brines. Bernard Rubla.

82
5/15

GARKAVI, N. G.

Progress made during the Fifth Five-Year Plan in the building machinery industry
Leningrad, 1953. 30 p.

GARKAVI, N.G., kand.tekhn.nauk

Some problems in the theory of the rated output of bulldozers.
Stroi. i dor. mashinostr. 5 no.10:16-19 0 '60. (MIRA 13:10)
(Bulldozers)

GARKAVI, N.L.

Variant of syphilitic psychoses with "paralytic" liquor and their
diagnosis. Probl.sud.psikh. 8:573-588 '59. (MIRA 13:6)
(Psychoses) (Syphilis) (Cerebrospinal fluid)

GARKAVI, N. L.

"Inhibition Disorders in Cases of Endogenous Psychoses." Sub 27 Oct 47,
First Moscow Order of Lenin Medical Inst

Dissertations presented for degrees in science and engineering in
Moscow in 1947

SO: Sum No. 457, 18 Apr 55

GARKAVI, N.L.

Hysterical psychoses. Probl.sud.psikh. 8:308-324 '59. (MIRA 13:6)

(Hysteria)

GARKAVI, N.L. (Moskva)

Reactive states arising in syphilis of the brain. Probl.sud.
psikh. 9:208-211 '61. (MIRA 15:2)
(BRAIN--SYPHILIS) (MENTAL ILLNESS)

GARKAVI, N.I.

Reactive states in syphilis of the brain. Probl.sud.psikh.
11:210-224 '61. (MIRA 16:3)
(BRAIN—SYPHILIS) (FORENSIC PSYCHIATRY)

GARKAVI, N. S.

Metamorphosis of the Kara Bogaz Gulf brines. V. M. Rukhovich, M. Yu. Garkavi, and N. S. Garkavi. J. Appl. Chem. U.S.S.R. 25, 907-16 (1952); Zhur. Priklad. Khim. 21, 836-37 (1953).—Concn. of the brines produces crystn. of halite, cocrystrn. of halite and astrakanite, and cocrystrn. of halite, astrakanite, and epsomite. Zones exist in the gulf in which qualitatively and quantitatively different physicochem. processes are taking place simultaneously which lead to differentiation in compn. of the coastal brines. Bernard Rubla.

722
575

GARKAVI, O. V.

DECEASED

Vet. Med.

see ILC

DYATLOVITSKIY, L.I., kand. tekhn. nauk; GARKAVI, O.Ya.

Investigating stresses in gravity dams built on rockbed foundations.
Izv. Inst. gidrol. i gidr. AN URSS 9:23-49 '53. (MIRA 11:4)
(Dams)

GARKAVI, O.Ya.

LYATLOVITSKIY, L.I., kandidat tekhnicheskikh nauk; GARKAVI, O.Ya.

Study of stresses at the junction of dam and foundation where there
is a broken contour at the base of the dam. Izv.Inst.gidrol.i
gidr. AN URSS 11:65-77 '54. (MIRA 8:4)
(Dams)

GARKAVI, O.Ya.

Influence of spillway face and apron on stresses at the base of a
dam. Izv. Inst. gidrol. i gidr. AN URSS 11:78-91 '54. (MIRA 8:4)
(Spillways)

GARKAVI, O.Ya.

Shape of earth dam slopes in a state of limited equilibrium.
Izv. Inst. gidrol. i gidr. AN URSS no.14:89-92 '56. (MLRA 9:12)

(Dams) (Embankments)

GARKAVI, O.Ya.

Stresses along the footing of a gravity dam in case of different
Poisson coefficients of foundation materials. Izv. Inst. gidrol. i
gidr. AN URSR 15:77-90 '59. (MIRA 12:9)
(Dams) (Strains and stresses)

GARKAVI, G.Ya. [Harkavi, G.I.] (Rev)

Stability of slopes composed of different ground layers.
Proj. no. 7 no. 1:1-1:1. (Scale 1:1)

I. Institut gidrologii i karotazhniki AN USSR.
(Soil mechanics)

ARISTOVSKIY, Valer'yan Valer'yanovich [Arystovs'kyi, V.V.], doktor tekhn. nauk; SLOBODYAN, Roman Tikhonovich, kand. tekhn. nauk. Prinsipal uchastnye GARKAVI, O.Ya. [Harkavi, O.IA.], mladshiy nauchnyy sotr.; DIDKOVSKIY, M.M. [Didkovs'kyi, M.M.], kand. tekhn. nauk, otv. red.; REVERA, O.Z., kand. geog. nauk, nauchnyy red.; DAKHNO, Yu.M., tekhn. red.

[Resistance of the shores of the Kakhovka Reservoir to damage by landslides and settling] Stikist' berehiv Kakhovs'koho vodoskhovshcha, shcho zaznaiut' zsvnykh ta prosadochnykh deformatsii. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 145 p. (MIRA 15:6)
(Kakhovka Reservoir--Shorelines)