

A special-purpose analog device ...

S/194/62/000/007/010/160
D222/D309

ned curve, specified in the form of a series of discrete values. The device consists of the following parts: the analog circuit itself; a computer unit to estimate the proximity of the solution to the curve given by the discrete points; a control system for signaling time intervals to ensure the synchronous operation of all elements at a solution repetition-frequency of 6.25 cps; and a visual display system. The analog circuit uses typical D.C. operational blocks. The computer unit, the search control system and the time-interval control system use pulse techniques. The time-interval system contains: a master oscillator of 1 kcps frequency, ring frequency dividers of 10 (units) and 16 (tens) connected in series; a group of decoders, and also switches for the control of pulses which transmit the values of the curve N at the experimental points to the computer unit, and for the control pulses required for the cathode-ray tube indicator and for integration. 8 figures. [Abstracter's note: Complete translation.]

Card 2/2

ARKHREMOVICH, M.B., kand. biol. nauk; IKONEN, Ye.V., nauchnyy sotr.;
~~SEREBROVA, I.G., nauchnyy sotr.;~~ KHIMUNIN, S.D., kand.
tekhn. nauk; BAKHTIYAROVA, R.Kh., red. izd-va; KHENOKH, F.M.,
tekhn. red.

[Regulations for the protection of wood from decay and damage
by wood-destroying insects during major repairs of residential
buildings]Pravila zashchity drevesiny ot gnienia i povrezhde-
nia derevorazrushaiushchimi nasekomymi pri kapital'nom remonte
zhilykh domov. Moakva, Izd-vo M-va kommun. khoz. RSFSR, 1962.
51 p. (MIRA 15:10)

1. Akademiya kommunal'nogo khozyaystva. Leningradskiy nauchno-
issledovatel'skiy institut. 2. Laboratoriya zashchity dere-
vyannykh konstruktsiy Leningradskogo nauchno-issledovatel'skogo
instituta Akademii kommunal'nogo khozyaystva (for Ikonen,
Serebrova, Akhremovich).
(Wood--Preservation) (Dwellings--Maintenance and repair)

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ADDN, A 6

Call Nr: QA75.S65

AUTHOR: Stanislavskiy, V. N.

TITLE: Fundamentals of Electric Computer Theory (Osnovy teorii elektricheskikh schetno-reshayushchikh ustroystv)

PUB. DATA: Moscow, 1948, 116 pp.

ORIG. AGENCY: None given

EDITOR: Arkin, A. G.

PURPOSE: This monograph is addressed to specialists working in the field of electric calculating machines. It represents a first attempt in the USSR to systematize and disseminate material on electric calculating machines.

COVERAGE: A number of specialists took part in the work of systematization and compilation of material in this field. This task was completed in 1946. From then to publication time a number of problems in the field were more carefully investigated. The results of this research, however, were not, for one reason or another, included in the present work. Due to the complete absence of any literature on

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Fundamentals of Electric Computer Theory (Cont.)

the subject, it was deemed unwise to postpone publication of the monograph. The following specialists took part in compiling and systematizing the material and in the composition of the sections as indicated: Papernov, A. A., Candidate of Technical Sciences (sections 9, 21, 27); Yakhinson, B. I., Candidate of Technical Sciences (sections 5, 6); Livshits, A. L., Candidate of Technical Sciences (sections 10-12, 16); Ivanenko, S. D. (sections 41-43); Bakhtalovskiy, G. B., Eng. (section 19); Lukashenko, K. G., Eng. (sections 13-15, 18 and 20). The following Soviet personalities are mentioned in connection with computer developments bearing their names: Engineer A. A. Fonarev is mentioned in connection with a method for designing the random winding for round coils. The method is explained and formulae are given (p. 125). Shillinger, V. J., Eng., is mentioned in connection with the scale-of-ten potentiometer for which he obtained an author's certificate (p. 100). Some Soviet-produced equipment is described e.g., the M-9 instrument, in which, as in practical operating circuits, a current adding circuit in combination with an amplifier with a negative feedback is used (see Diagram 12, p. 10). In such circuits, the amplifier gain factor, $\mu \approx 6 \cdot 10^4$. Of the magnetolectric instrument types serially built in the USSR the most useful in control instruments are the 4 M and the 5 M. Both types are switchboard instruments of

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the 2.5 class. Basic specifications are given (pp. 78-79). Operation, design, and fabrication of the WK-42 course indicator are described and other data given. In addition to this instrument, a number of organizations put out small numbers of ferrodynamic instruments which meet special technical specifications (Figs. 91, 92, pp. 93-94). This textbook contains many tables, graphs and charts. There is one bibliographic reference.

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ARKIN, Wiktor

On the passing of Groenouw's disease to a transparent corneal graft
after 7 years. Klin. oczna 32 no.3:271-275 '62.

1. Z Kliniki Okulistycznej Studium Doskonalenia Lekarzy AM w
Warszawie Kierownik: prof. dr med. W. Arkin.
(CORNEAL OPACITY) (CORNEAL TRANSPLANTATION)

ARKIN, Wiktor

On causes of failure in surgery of the nasolacrimal anaetomosis.
Klin. oczna 33 no.1:49-55 '63.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy w AM
w Warszawie Kierownik: prof. dr med. W. Arkin.
(LACRIMAL DUCT OBSTRUCTION)
(SURGERY, OPERATIVE)

ARKIN, Wiktor

On diabetic cataract and its treatment. Klin. oczna 33 no.3/4:
303-307 '63.

1. Z Kliniki Chorob Oczu SDL w AM w Warszawie Kierownik: prof.
dr med. W. Arkin.

(DIABETES MELLITUS) (CATARACT)
(CATARACT EXTRACTION)

ARKIN, Wiktor; KRAUSSOWA, Janina

On ocular lesions caused by corticosteroids. Klin. oczna 33
no.3/4:323-326 '63.

1. Z Kliniki Chorob Oczu SDL w AM w Warszawie Kierownik: prof.
dr med. W. Arkin.

(CORTISONE) (CORNEAL TRANSPLANTATION)
(EYE BURNS) (GLAUCOMA) (UVEITIS)
(OPHTHALMOLOGY) (DIABETIC RETINOPATHY)

ARKIN, Wiktor, prof. dr. med.; JABLONSKA-GORSKA, Wieslawa

The problem of keratoplasty according to data on 300 cases.
Klin. oczna 34 no.4:371-382 '65

1. Kliniki Okulistycznej Studium Doskonalenia Lekarzy w
Akademii Medycznej w Warszawie (Kierownik: prof. dr. med.
V. Arkin).

ARKIN, Wiktor

The syndrome of blue sclerae with keratoglobus. Klin. oczna 35
no.1:89-93 '65.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy w
Akademii Medycznej w Warszawie (Kierownik: prof. dr. med.
W. Arkin).

ARKIN, Wiktor

Etiology of glaucoma and its diagnosis. Klin. oczna 35 no.2:
143-151 '65.

ARKIN, Wiktor, prof. dr. med.; ANTOSZKIEWICZOWA, Hanna; TRACZUK-SOROKOWSKA, Natalia; ZUKOWSKI, Ludwik.

An objective detection of eccentric fixation by fundus photography. Klin. oczna 35 no.2:251-253 '65.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy w Warszawie (Kierownik: prof. dr. med. W. Arkin).

ARKIN, Wiktor, prof. dr. med; MADALINSKI, Włodzimierz

Changes in sodium-potassium balance in the rabbit aqueous humor under the influence of ouabain. Klin. oczna 35 no.2: 343-348 '65.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. W. Arkin).

ARFIN, Wiktor

Epithelio-endothelial degeneration of the cornea and its treatment. Klin. oczna 35 no.3:423-428 '65.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy w AM w Warszawie.

L 23533-66 EWP(1)/EWT(m) IJP(c) RM

ACC NR: AF6007854 (A)

SOURCE CODE: UR/0138/66/000/002/0006/0009

AUTHOR: Priklonskaya, N. V.; Arkina, S. N.

24
B

ORG: Scientific Research Institute for the Rubber Industry (Nauchno-issledovatel'skiy institut resinovoy promyshlennosti)

TITLE: Preparations of mixtures using siloxane rubbers 15.4455

SOURCE: Kauchuk i rezina, no. 2, 1966, 6-9

TOPIC TAGS: material mixing, rubber, titanium oxide

ABSTRACT: The preparation of mixtures in conventional mixing-sheeting rollers using siloxane rubbers takes 25-40 minutes. A closed rubber mixer RS-45 increased production efficiency approximately four times and allowed hermetic sealing. This suppressed dust formation which in the case of aerosil (SiO₂ produced from the gas phase) resulted in a dust concentration in the plant air in amounts higher than sanitarly permissible. The coefficient of utilization of the mixing chamber should be 0.74 (volume of charge 52 liters) for normal mixing and producing a homogeneous monolithic mass. At a charge volume of 45 liters the mixing of rubber with filler either did not occur (mixture was in the form of crumbs) or occurred only if charged in five or more stages. The temperature developing during the mixing of rubber with titanium white and soot U-333 was small (40-55C) and permitted an addition of vulcanizer

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ACC NR: AF6007854

(benzoyl peroxide) into the chamber. During preparation of the mixture with aerosil, the temperature at discharge reached 70C and vulcanizer therefore had to be added on rollers. The mixtures from siloxane rubbers responded excellently to extrusion without an increase in temperature. This permitted substituting sheeting rollers with a strainer-slabber. Orig. art. has: 4 tables.

SUB CODE: 11,13/ SUBM DATE: 16Jan65/ ORIG REF: 001/ OTH REF: 004

Cord 2/2 *Jo*

ANUFRIKOV, M., ~~zasluzhenny~~ master sporta; ARKIN, Ya., master sporta.

Conquerors of mountain peaks. Tekh.molod. 21 no.7:36-38 J1 '53.

(MLRA 6:8)

(Mountaineering)

Fundamentals of Electric Computer Theory (Cont.)
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AVAILABLE: Library of Congress

Card 11/11

MALININ, V.M.; ARKIN, A.G., otv. red.; LEVINA, M.D., red.; VOLCHOK,
K.M., tekhn. red.

[Sound detectors; a handbook] Zvukoulavlivateli; spravochnik.
Leningrad, Sudpromgiz, 1948. 107 p. (MIRA 16:8)
(Range finding) (Sound--Apparatus)

DIOMIDOV, Mikhail Nikolayevich; DMITRIYEV, Alekaandr Nikolayevich.
Prinimal uchastiye ZAYDEL', G.A., INZH.; ZAYTSEV, V.P.
kand. tekhn.nauk, retsenzent; OSOKIN, S.D., kapitan 2 ranga
retsenzent; ZENKEVICH, L.A., red.; KAZAROV, Yu.S., red.

[Conquest of the depths] Pokorenie glubin. Izd.2., ispr. 1.
perer. Leningrad, Sudostroenie, 1964. 383 p.

(MIRA 18:3)

1. Chlen-korrespondent AN SSSR (for Zenkevich).

ARKIN, G.I.

P.5

PHASE I BOOK EXPLOITATION SOV/3610

Moscow. Gosudarstvennyy soyuznyy zavod. Byuro tekhnicheskoy informatsi.

Sbornik materialov po vakuumnoy tekhnike, vyp. XIV (Collection of
Articles on Vacuum Engineering, No. 14) Moscow, Gosenergoizdat,
1958. 103 p. 500 copies printed.

Eds.: R.A. Nilender, Chief Engineer of the Plant (General Ed.);
A.G. Aleksandrov, V.D. Vladimirov; Ed. I.L. Iglitsyn; Tech. Ed.:
K.P. Voronin.

PURPOSE: This collection of articles is intended for specialists
in vacuum technology and electronics.

COVERAGE: The collection contains five papers on electron tubes
written by the engineering personnel of the Gosudarstvennyy
soyuznyy zavod (State Union Plant). No personalities are mentioned.
References accompany all but one of the articles.

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Card 1/5

Collection of Articles (Cont.)

SOV/3610

Lipkovskiy, L.M. Sensitive Method of Measuring Ion Currents in
Electron Tubes With a Grid.

In order to determine the pressure of grid gas in unsoldered electron tubes, a method based on the measurement of positive ion current is applied. The method used by the author consists in finding the tube's "vacuum factor", which is determined by the relation between the value of the full ion current flowing across the ion-collecting electrode and the full value of the excitation electron current flowing across the electron-collecting electrode. This factor also depends on the selection of the electrodes, their geometry, and the difference in potential between the point in space at which the positive ion is produced and the potential of the cathode. In order to eliminate the influence of leakage current on the results of measurements, the plant laboratory applied the alternating-current method. As a result of investigations, the methods of measuring ion currents introduced by E.W. Herold were improved by making them more precise.

3

Card 2/5

Collection of Articles (Cont.)

SOV/3610

Vasil'yev, V.I., and I.S. Marshak. Load Limit of Tubular Flash-

19

tubes
The first part of the paper is a study of the critical load associated with the destruction of the glass shell in flashtubes with low discharge frequency. The critical load was found to depend mostly on the value of $C.l$, where C is the capacitance of the supply capacitor and l is the distance between the flashtube electrodes. The type of glass and the kind and pressure of gas in the tube have less effect on the critical load. In addition, each type of glass flashtube may be characterized by the maximum permissible value of $C.U^4$ (where U is the value of supply voltage), which the authors call the "load factor". The second part of the paper deals with quartz flashtubes in which the critical load depends on several factors, the most important of which is the breakdown of input leads, which are usually made of thin molybdenum foil strips. Other causes of breakdown are cracking of the quartz tube or its explosion, and disturbances in flashtube controllability.

Parusnikov, V.N., V.S. Nikolayeva, and M.I. Sokolova. Production of
Card 3/5

Collection of Articles (Cont.)

SOV/3610

Tungsten Wire 5 to 8 Microns in Diameter by the Electrolytic Etching Method

51

This paper deals with the work done at the refractory metals section of the plant in obtaining very thin tungsten wires by electrochemical etching. This metal fiber is needed for production of grids in a new type of receiving tube, for development of precision optomechanical instruments, and for other purposes. The first samples and experimental lots of this wire were produced in 1949 and 1950. These first samples were 8 microns in diameter. Later, with improved equipment, 5 micron fiber was obtained in regular factory production lots. According to non-Soviet data, wire 3 microns in diameter has been produced under laboratory conditions in the United States. A description of the etching process, the equipment used, and some characteristics of the wire, are given.

Disman, A.M. Equipment for Measuring Conversion Transconductance 68
The author describes equipment developed by himself and B.I. Genkin for measuring conversion transconductance in 1A1P and 1A2P type tubes. The general testing capacity of the equipment

Card 4/5

ARKIN, G.I.

New methods of improving the signal to noise ratio where the interference is caused by microphonics in electron tubes. Sbor. mat. po vak. tekhn. no.14:79-104 '58. (MIRA 13:2)
(Amplifiers, Electron tube--Noise)

ARKIN, G. I., Cand of Tech Sci -- (diss) " Study of the Electromechanical
Properties of Receiving Booster Tubes and Interference Produced by
Microphone Noises and Development of Methods for Reducing Them,"
Moscow, 1959, 8 pp (Moscow Order of Lenin Power Institute)
(KL A-60, 118)

ARKIN, G.L., inzhener.

Eliminate excesses. Avt.dor. 19 no.4:27 Ap '56.
(Architecture)

(MLRA 9:8)

ARKIN, G.L., inzh.

Concrete pavement for truck roads in mines. Shakht.stroi. 4
no.2:27 F '60. (MIRA 13:5)

1. Yuzhgiproshakht.
(Roads, Concrete)

ARKIN, M.Ya.; MIROTVORSKIY, V.S.; NIKIFOROV, A.Ya.

Laboratory system for the deoxydation of inert gases.
Zav. lab. 31 no.11:1418-1419 '65. (MIRA 19:1)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

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ARKIN, N. L.

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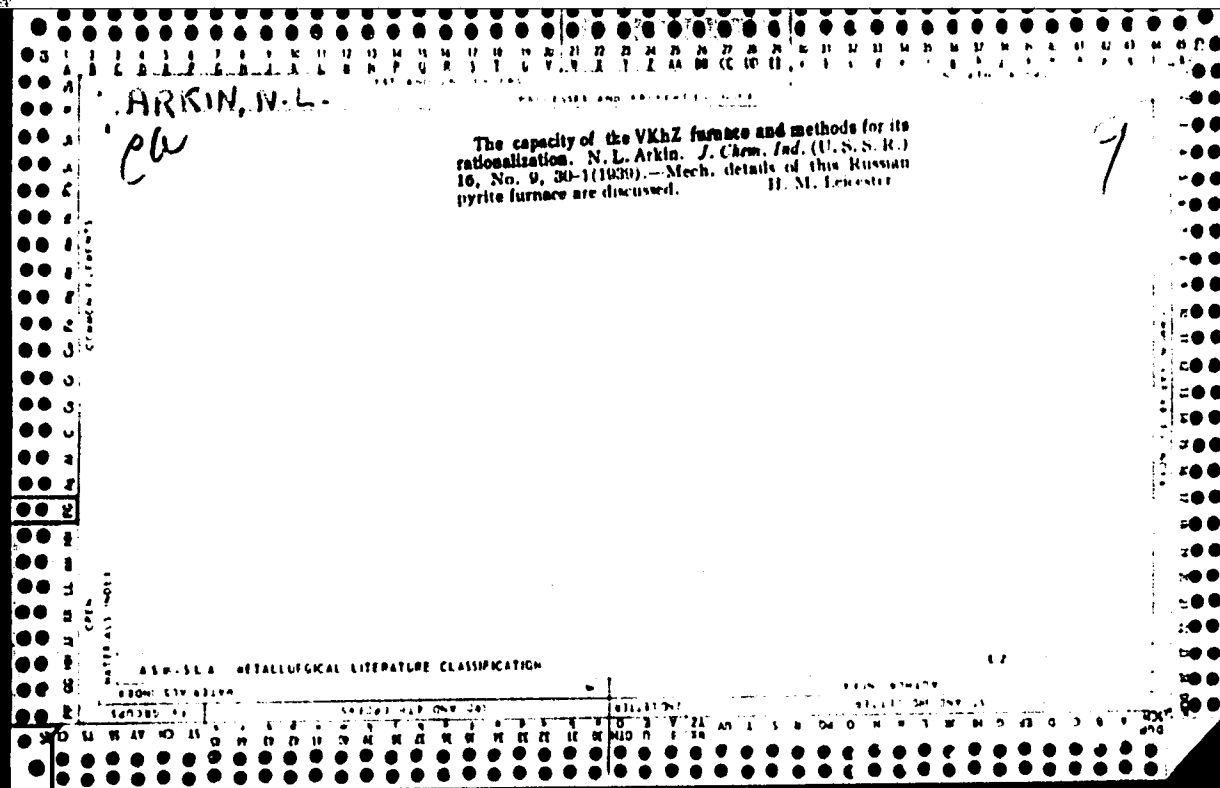
17

Special adaptations of mechanical ovens of type G for burning different kinds of pyrites. N. L. Arkin. *J. Chem. Ind. (Moscow)* 1933, No. 9, 69-70. U. S. S. R.

ASAC METALLOGICAL LITERATURE CLASSIFICATION

SECTION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

SECTION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

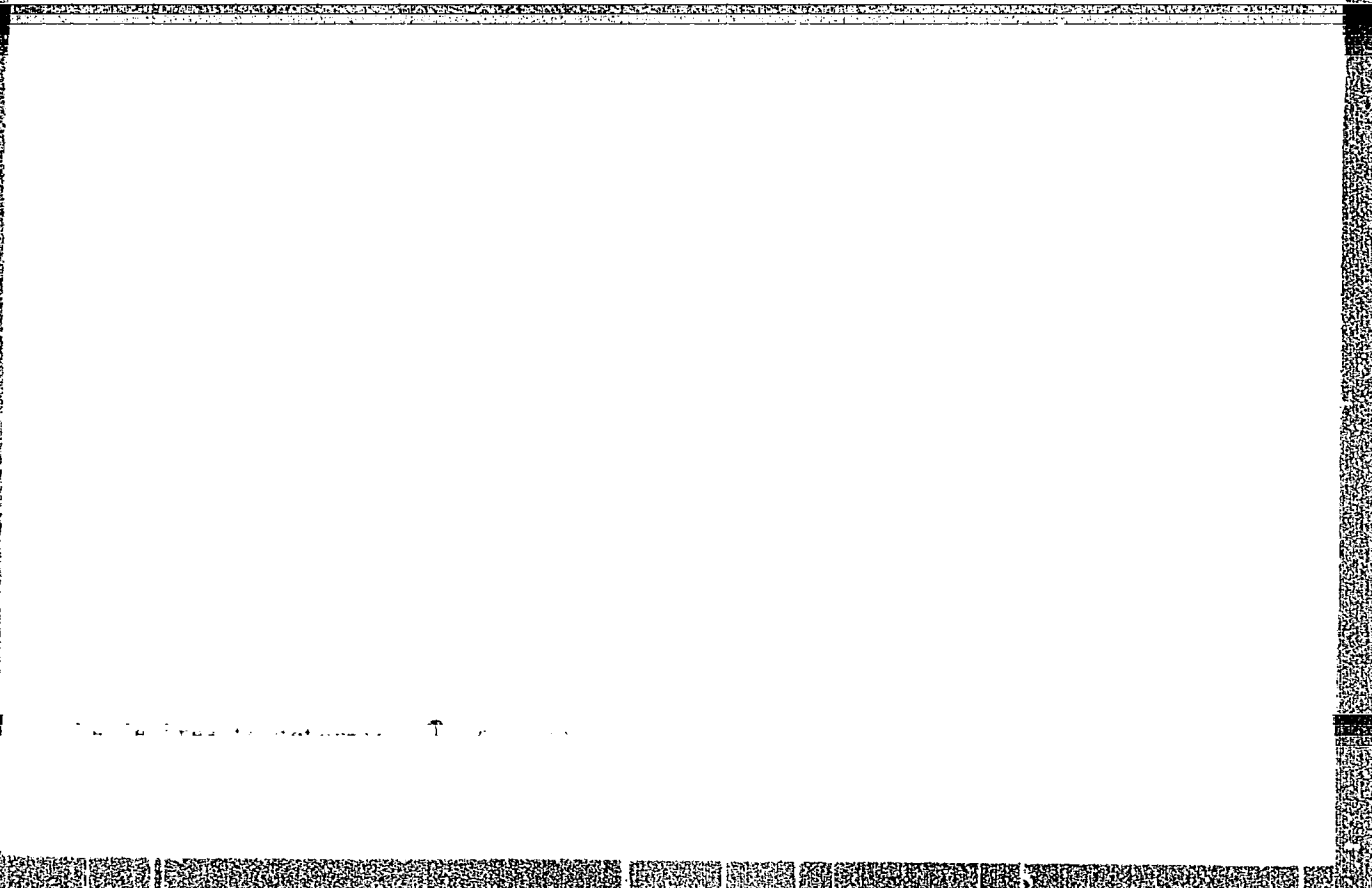


ARKIN, N.L.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Malin, K.M. Boreskov, G.K. Slin'ko, M.G. Arkin, N.L.	"Technology of Sulfuric Acid" (student manual)	Ministry of the Chemical Industry

SO: W-30604, 7 July 1954



and

and

ARKIN, V.I. (Moscow)

Uniformly-optimal strategies in search problems. Teor. veroiat.
1 ee prim. 9 no.4:746-753 '64. (MIRA 17:12)

ARKIN, V.I. (Moscow)

Problem of optimum distribution of search effort. Teor. veroiat.
i ee prim. 9 no.1:179-180 '64. (MIRA 17:4)

RUSSIAN TITLE: [Illegible]

5/2517/64/071/000/0021 0025

AUTHORS: Arkin, V. I.; Kolomoys, V. I.; Krasovskiy, A. I.

SOURCE: AN SSSR. Matematicheskiy institut. Trudy, v. 71, 1964. Sbornik rabot po teorii veroyatnoesti [Collection of papers on the theory of probability, etc.]

RUSSIAN TITLE: Optimal'nyy upravleniye diffuzionnykh protsessami

ABSTRACT: The authors consider the problem of controlling (in a sense to be given) the diffusion process X_t that has

generator A and drift b . The control is a measurable function u of the state X_t and time t .

The authors obtain necessary and sufficient conditions for the existence of an optimal control.

[The main body of the document contains extremely faint and illegible text, likely due to poor scan quality or redaction. Only a few words are discernible, such as "when the premium is taken over All...".]

ARKIN, V.I. (Moscow)

Some extremum problems related to the theory of search. *Tecr. veroiat. i ee prim.* 10 no.3:593-596 '65. (MIRA 18:9)

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APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000102110019-6"

the existence of the strategy of and finds its explicit form.

L 27449-66 EWT(d) IJP(c)

ACC NR: AP5028976

SOURCE CODE: UR/0052/65/010/003/0593/0596

AUTHOR: ⁵⁴Arkin, V.I. (Moscow)

ORG: none

TITLE: Some extremal problems connected with the theory of search

SOURCE: Teoriya veroyatnostey i yeyeprimeneniya, v. 10, no. 3, 1965, 593-596

TOPIC TAGS: ^{16, 44, 55} search theory, strategy optimization, statistic distribution, distribution function

ABSTRACT: Let one among N cells have a mark with an a priori distribution p_i , $i = 1, 2, \dots, N$, $\sum_{i=1}^N p_i = 1$. At each instant of time only a single cell can be examined.

If the mark is in the i-th cell, then the total time \int_1 spent for the search of the mark up to its detection is a random quantity with a distribution function $\pi_i(t)$. The class K of admissible search strategies consists of a vector-function $\delta(t) = (\delta_1(t), \dots, \delta_N(t))$.
Card 1/2

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L 27449-66

ACC NR: AP5028976

where $\delta_i(t) = \delta_i(t + 0)$, $\delta_i(t) = 1$ if at the instant t the search is carried out within the i -th cell, and $\delta_i(t) = 0$ otherwise. In addition to the K class its subclass K^Δ is also considered. K^Δ consists of functions having discontinuity points at instants of time which are multiples of $\Delta > 0$. After the presentation of additional definitions and theorems connected with optimum strategies, the author investigates the following problems: 1) Let the mark disappear from the i -th cell after a random time τ_i with a distribution function $R_i(t)$; the strategy which maximizes the probability of the observation of the mark should be found; and 2) Let the mark appear in the i -th cell with probability p_i after a random time ξ_i having a distribution function $G_i(t)$; the probability of the observation of the mark during a given time T should be maximized. Similar problems fit into the maximum principle spanned over the functional given in terms of Lebesgue-Stieltjes integrals. The paper presents theorems needed for the establishment of optimum strategies. Author thanks Yu. V. Prokhorov for his interest in the present work. Orig. art. has: 9 formulas.

SUB CODE: 12 / SUBM DATE: 21May65 / ORIG REF: 003 / OTH REF: 001

Card 2/2 *Jo*

ARKIN, W.; FICKA, M.; HRYNIEWSKA, H.

Treatment of retrobulbar optic neuritis by milk hypoglycemic shocks; preliminary communication. Klin. oczna 23 no.3:171-174 1953. (GLML 25:5)

1. Of the Eye Department (Head--W.Arkin, M.D.) of Warsaw Municipal Hospital No. 1.

ARKIN W.

EXCERPTA MEDICA Sec.12 Vol.9/10 Ophthalmology Oct55

1554, ARKIN W. Państw. Zakł. Hig. z Działu Bakteriol. i Zakł. Badania Żywności,
*O przyczynach powstawania zaćmy po operacjach przeciwjaskrowych.
Causes of cataracts after anti-glaucomatous operations
POST. OKULISTYKI 1954, 1 (115-120)

In order to prove the role of ascorbic acid as the carrier of oxygen the author examined the amount of vit. C in the aqueous humour of rabbits after antiglaucomatous operations performed on one eye. The 2nd was used as control. It seems that after those operations vit. C escapes for a longer time from the aqueous humour, perhaps as the effect of the rupture of the eye barrier. Szmyt - Łódź

11111111

EXCERPTA MEDICA Sec.12 Vol.9/10 Ophthalmology Oct55

1634. ARKIN W Zakł. Fizjol. A. M., Warszawa. *O odwrotnym doświadczalnym przeszczepianiu rogówek. On reverse experimental transplantation of corneas POST. OKULISTYKI 1954, 1(120-124) Illus. 2
The grafts were inserted with the epithelium inwards. Histological examination proved that the epithelium is absent after some time. It may survive only if there is continuity which may occur if the anterior chamber remains open for a longer time. The experiments were carried out on corneas of rabbits.

. Szmyt - 1.6d2

EXCERPAT MEDICA Sec.12 Vol.11/10 Ophthalmology Oct57
ARKIN W.

1593. ARKIN W. Odd. Ocznego Inst. Doskonalenia i Spec. Kadr Lek., Warszawa.
*O powikłaniach ocznych w cukrzycy. The eye complications of
diabetes POST.OKULIST 1956, 3 (48-64) illus. 8
The data from the clinic and the investigations are stressed e.g. the resemblance
of the ocular fundus symptoms in hypertension and diabetic disease. The Kimmel-
stiel and Wilson discoveries are mentioned. The coma diabeticum is cited which
arises with hypotony of the eye ball. Iritis may be considered rather as the addi-
tional infective symptom. The main symptom in diabetes is the cataract with chan-
ges under the capsule, which happens among young subjects. The rapid appearance
of myopia is also stressed. The therapy is discussed. Szmyt - Łódź (XII, 6*)

ARKIN, Wiktor

Pathogenesis and treatment of glaucoma in recent research.
Polski tygod. lek. 12 no.13:481-486 25 Mar 57.

1. (Z Zakładu Okulistyki I.D. i S.K.L. W Miejsk. Szpit. nr
I w Warszawie). adres: Warszawa, ul. Elektoralna 15 m. 16.

(GLAUCOMA

pathogen. & ther. (Pol))

ARKIN, Wiktor

Synchronous ocular therapy; conservative and surgical. Polski tygod. lek. 12 no.15:567-572 8 Apr 57.

1. (Z Zakladu Okulistyki I.D. i S.K.L; kierownik: prof. dr. med. W. Arkin). Adres: Warszawa, ul. Elektoralna 15 m. 16.
(EYE DISEASES, ther.
combined med. & surg. ther. (Pol))

ARKIN, Wiktor

Ectopia lentis congenita; description of family consisting of 39 members in four generations. Klin. oczna 27 no.2:169-173 1957.

1. Z Zakładu Okulistyki I.D.S.K.L. w Warszawie Kierownik: prof. dr. med. W. Arkin. Warszawa, ul. Elektoralna 15, m. 16.

(CRYSTALLINE LENS, abnorm.

ectopia lentis, familial (Pol))

ARKIN, W. (Warszawa, al Jerozolimskie 29 m. 5.)

Late complications of corneal transplantation. Klin. oczna 28 no.3:251-257 1958.

1. Z Zakładu Okulistyki I. D. i S.K.L. w Warszawie Kierownik: prof. dr. med. W. Arkin.

(CORNEAL TRANSPLANTATION, compl.
opacity & necrosis of transplant (Pol))

ARKIN, Wiktor; GOROWSKI, Tadeusz

A case of neglected progressive exophthalmos with severe visual defect. Polski tygod. lek. 14 no.48:2113-2114 30 Nov 59.

1. Z I Zakladu Chorob Wewnetrznych; kierownik: prof. dr med. W. Hartwig i z Zakladu Okulistyki; kierownik: prof. dr med. W. Arkin, Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie).
(EXOPHTHALMOS, compl.)

ARKIN, Wiktor

On cycloskiascopy, skiascopia circularis. Klin.oczna 30 no.1:
9-14 '60.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy. Kierow-
nik: prof.dr med. W. Arkin.
(REFRACTIVE ERRORS)

ARKIN, Wiktor; MADALINSKI, Wlodzimierz

On metabolic changes of the lens after glaucoma surgery. Klin.
oczn. 31 no.3:245-252 '61.

1. Z Kliniki Chorob Oczu Studium Doskonalenia Lekarzy Kierownik:
prof. dr med. W.Arkin.
(GLAUCOMA surg) (LENS CRYSTALLINE metab)

ARKIN, Wiktor

Hydrostatic properties of the vitreous body in separation of the retina. Klin. oczna 31 no.3:275-278 '61.

1. Z Kliniki Okulistycznej SDL w Warszawie Kierownik: prof. dr med. W. Arkin.

(RETINAL DETACHMENT) (VITREOUS BODY)

ARKIN, Wiktor TRZCINSKA-DABROWSKA, Zofia

Toxic effect of streptomycin on ocular vessels. Klin.oczna 31 no.4:
343-348 '61.

1. Z Zakladu Okulistyki SDL przy AM w Warszawie Kierownik: prof. dr
med. W. Arkin.

(STREPTOMYCIN toxicol) (EYE blood supply)

ARKIN, Wiktor; CZERSKI, Przemyslaw; TRZCINSKA-DABROWSKA, Zofia

Experimental tests on the corneal graft survival problem on the basis of observations of changes in sexual structural of the graft cell nucleus. Klin. oczna 32 no.3;209-214 '62.

1. Z Katedry Okulistyki Studium Doskonalenia Lekarzy Kierownik: prof. dr med. W. Arkin Z Katedry Histologii i Embriologii AM w Warszawie Kierownik: doc. dr med. K. Ostrowski.
(CORNEAL TRANSPLANTATION) (CELL NUCLEUS) (SEX CHROMATIN)

ARKIN, Ya., inzhener, master sporta.

Skis. Tekh.mol.22 no.2:26-27 F '54.

(MLRA 7:2)
(Skis and skiing)

ARKIN, Ya., inshener, master sporta.

~~Make yourself a pair of water skis.~~ Tekh.mol. 24 no.5:40 My '56.
(Water skiing) (MLRA 9:8)

MINENKOV, B.V.; ARKIN, Ya.G.

Selecting the optimum design of sports racing skis. Der. prom.
15 no.1:11-13 Ja '66. (MIRA 19:1)

1. Tsentral'noye opytno-konstruktorskoye byuro sportivnogo
oborudovaniya i inventarya.

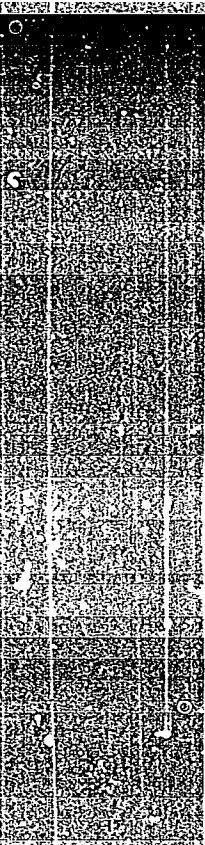
viy 0200/d3/000/009/0051/0051
AUTHORS: Arkin, Ye. S. A.; Chernyy, V. Ya.; Vokhovskiy, V. Ya.;
Zuvaldin, A. I.

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CIA-RDP86-00513R000102110019-6"



ARKINA, B. YE.

PA 7/49T72

USSR/Medicine - Tuberculosis, May/June 48
Epidemiology and Statistics
Medicine - Sputum, Examination

"The Significance of the Oligobacillary Condition in
Clinical and Epidemiological Studies of Tuberculosis,"
B. Ye. Arkina, I. G. Lemberskiy, Moscow City Sci Res
Tuberculosis Inst, 2 3/4 pp

"Problemy Tuberkuleza" No 3

An oligobacillary condition is the presence of small
numbers of bacilli in sputum. Authors have studied
329 cases, 1940 - 1946. In general, tubercular proc-
ess was less severe, tending to result in recovery,
in cases indicating sporadic manifestation of tubercle
bacilli. The families of such patients are less
susceptible to tuberculosis, but nevertheless, they
should be protected by the usual prophylactic
measures.

ARKINA, B. YE.

PA 7/49T73

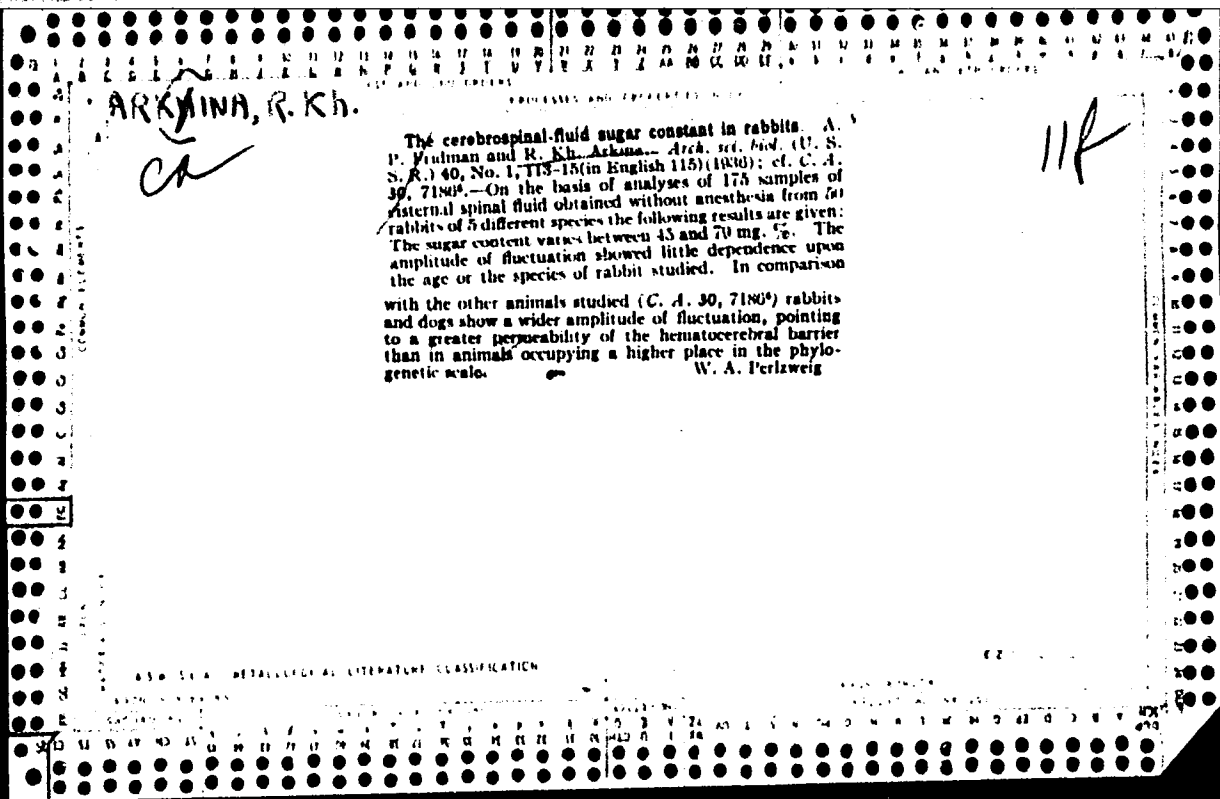
USSR/Medicine - Tubercle Bacilli May/June 48
Medicine - Sputum, Examination

"Importance of the Flotation Method of Isolating
Tubercle Bacilli from Poor Specimens of Gastric
Content Obtained by Lavage," B. Ye. Arkina, and
I. G. Lemberskiy, Moscow Municipal Sci Res Inst
of Tuberculosis, $\frac{1}{2}$ p

"Problemy Tuberkuleza" No 3

Editorial staff stress importance of this method.
Further research on this method, however, is still
required.

7/49T73



PROCESSES AND PROPERTIES INDEX

22

CA
ARKINA, S. Ye.

Investigation of the Syukov bituminous mineral. J. L. Moklavskii and S. K. Arkina. *Khim. Neftel'noye Proizv.* 3, 307-73 (1932).—The extr. of this mineral with C_6H_6 yielded 4.4-5.73, with CCl_4 4.32-7.0, with $CHCl_3$ 4.2 and with CS_2 4.4% of bitumen, the latter contg. 4.0% and the mineral 0.23% of S. The C_6H_6 ext. after removal of C_6H_6 was liquid at room temp. and analyzed sp. gr. 0.882, C 74.6, H 9.08, O 6.07, total S 8.1, elementary S 2.62, N 0.3, ash 1.25, asphaltenes (Marcusson) 8.44, resins 28.0 and oil 58.10%. The residue obtained after distg. off fractions b. below 280° had a sp. gr. of 1.032, Kinemer-Sarnow softening pt. 44.5°, Marcusson asphaltenes 23.0, resins 28.0, oils 46.1 and S 6.04%. The S in various cuts is tabulated. Low-temp. carbonization in a Fischer retort with steam superheated to 350° gave an oil contg. S 3.65, C 81.8, H 12.2% and sp. gr. 0.913. Destructive hydrogenation of this oil in a Bergius autoclave with 5% MoO_3 yielded 80-89.5% of liquid products, sp. gr. 0.8585, contg. S 0.46-0.77%; the yield of the fraction b. below 200° was 5.0-20.0%; its sp. gr. was 0.7404-0.7516 and the S content 0.03-0.28%; yield of the fraction b. 200-300° was 28.0-37.0%; its sp. gr. was 0.8118-0.8572 and S 0.04-0.60%; the residue had a sp. gr. of 0.9004-0.9307. The gasoline fraction was composed of aromatic compds. 0-32.20, naphthenes 32.6-40.4, paraffins 21.4-59.0 and unsatd. compds. 0-8.5%. A. A. B.

A.S.D.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNONYMS

GROUP #	GROUPS WITH ONLY USE	GROUPS WITH ONLY USE	GROUPS WITH ONLY USE
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
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29	30	31	32
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73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

3
CHERNIGOVSKIY, V.N., ARKIND, M.V., KASSIL, V.G., UCOLEY, A.M.

"Interception and alimentary behaviour of the animal."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

ARKIND, M.V.; KASSIL' V.G.; UGOLEV, A.M.

Regulation of the water and salt apperites. Trudy Inst. norm. i
pat. fiziol. AMN SSSR 6:146-149 '62 (MIRA 17:1)

1. Laboratoriya obshchey fiziologii (zav. - akademik V.N.
Chernigovskiy) Instituta normal'noy i patologicheskoy fiziolo-
gii AMN SSSR.

ARKINOVA, E. G., LYUBANSKIY, V. A. and REZKISKOVA, L. P.

"Basis for the Separate (Unique) Temperature Regime of the Caspian Sea and its (Surrounding) Area." In Book - Works of the State Oceanographic Institute, published by Hydrometeorological Publishing House, Moscow, 1958.

LEVIN, Iosif Yakovlevich; ARKIV, A.G., kand. tekhn.nauk, retsenzent;
YERMAKOV, S.S., kand. tekhn. nauk, retsenzent; SHIRYAYEVA,
V.Ya., kand. tekhn. nauk, red.; RODZEVICH, S.S., red.;
ORESHKINA, V.I., tekhn. red.

[Handbook for the designer of precision instruments] Spravochnik konstruktora tochnykh priborov. 2. izd. Moskva, Oborongiz, 1962. 727 p. (MIRA 16:4)
(Mechanical engineering--Instrument manufacture)

ARKO, Irena

Electroshock and partial relaxation. Zdrav. vestn. 33 no.4:
115-116 '64

1. Bolnisha za dusevne in zivcne bolezni Ljublyana-Polje
(Predstojnik: prof. dr. Janez Kanoni).

ARKO, Joz

District physician is only writing the prescriptions. Zdrav.
vest., Ljubljana 24 no.7-8:283-234 1955.

(GENERAL PRACTICE,

District GP in Slovenia, difficulties & misunderstanding
with hosp. physicians (S1))

(NATIONAL HEALTH PROGRAMS

District GP in Slovenia, difficulties & misunderstanding
with hosp. physicians (S1))

PLEVKO, O.; ARKO, K.

Modern laboratory management of patients with rheumatoid arthritis.
Neuropsihijatrija 7 no.1-2:95-101 '59.

1. Iz Neurolosko-psihijatrijske klinike Medicinskog fakulteta
Sveucilista u Zagrebu, predstojnik: prof. dr. Radoslav Lopasic.
(ARTHRITIS RHEUMATOID diag.)

PERSIC, N.; VINEK, Z.; PALMOVIC, R.; ARKO, K.; BETRIANI, M.

On some modifications of electric shock therapy. Neuropsihijatrija
9 no.2/3:166-177 '61.

1. Iz Neurolosko-psihijatrijske klinike (Predstojnik: Prof. dr
R. Lopasio) i Kirurske klinike Medicinskog fakulteta u Zagrebu
(Predstojnik: Prof. dr D. Juzbasic).
(SHOCK THERAPY ELECTRIC)

YUGOSLAVIA

ARKO, Ksonija; and CREPIHKO, Inga, Clinic of Neurology and Psychiatry and Laboratory of Cytology of the Clinic of Internal Medicine of the Medical Faculty of the University at the Hospital (Neurolosko-psihijatrijska klinika i Citoloski laboratorij Interno klinike Medicinskog fakulteta Sveucilista u Bolnici) "Dr. O. Novosel", Zagreb

"Cytology of the Cerebrospinal Fluid"

Zagreb, Liječnički Vjesnik, Vol 98, No 8, August 1966; pp 911-921

Abstract [English summary modified]: Description of authors' modification of Sayk's (1954) special chamber device (produced by Zeiss Jena) for optimal sedimentation diagnosis of cerebrospinal fluid cells, and used in diagnosis of 436 patients (743 specimens); the CSF being obtained by lumbar needle aspiration in all but 3 suboccipital (7 specimens) and 31 ventricular (77 specimens). Two tables, 3 photographs, 18 photomicrographs; 9 Western, 1 Yugoslav reference. Manuscript received 5 Aug 66.

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DUPELJ, M.; ARKO, K.

Diagnostic value of proteins in the cerebrospinal fluid in acute cerebral vascular insultus. Neuropsihijatrija 8 no.4:261-270 '60.

1. Iz Neurolosko-psihijatrijske klinike Medicinskog fakulteta u Zagrebu (Predstojnik: Prof. dr. R. Lopasic).

(CEREBRAL HEMORRHAGE csf) (PROTEINS, csf)

ARKO, K.

Studies on cerebrospinal proteins with the aid of paper filter
electrophoresis. Neuropsihijatrija 8 no.4:296-305 '60.

1. Iz Neurolosko-psihijatrijske klinike Medicinskog fakulteta u
Zagrebu (Predstojnik: Prof. dr. R. Lopacic).

(PROTEINS csf)

ARKO, N.

Yugoslavia (430)

Social Sciences - Serials

Care for working women. p. 226. NASA ZENA.
(Antifasistena fronta zena Slovenije)
Ljubjana. (Illustrated monthly for women
issued by the Anti-Fascist Women's Front of
Slovenia, with Young pioneers, a supplement
for children). Vol. 10, no. 8-9, 1952.

East European Accessions List, Library of
Congress, Vol. 1, no. 13, November 1952,
UNCLASSIFIED.

ARKO, V.

ARKO, V.

Contribution to the diagnosis and therapy of distortion of the spine. Zdrav. vest., Ljubljana 23 no.3-4:69-70 1954.

1. Kirurški oddelk splosne bolnice v Mariboru (predstojnik
sef primarij dr. V.Arko)

(SPINE, dislocation

*diag. & ther.)

(DISLOCATION

*spine, diag. & ther.)

ARKOS, Dorde, inz.

Evaluation of the quality of molten cast iron. Livarstvo 9
no.45/46:41-50 Ja-Mr '62.

1. Fabrika zeljeznickih vozila "Vaso Miskin Crni," Sarajevo.

ARKOS, Dorde, inz.

Vessels for sodium hydroxide boiling. Iivarstvo 9 no.49/50:165-
177 S-N '62.

1. Vaso Miskin Crni Factory of Railroad Vehicles, Sarajevo.

ARKOS, Dorde, diplomirani inženjer

Accidents in foundries. Ljevarstvo 10 no. 5/6:134-142 '63.

ARKOS, Dorde, dipl. inz. metalurgije

Means used in melting heavy nonferrous metals. Ljevarstvo 9
no.1/6:49-53 '64.

1. Vaso Miskin-Crni Foundry, Sarajevo.

ARKOS, Dordo, inz.

Net-frequency induction furnaces in foundries. Livarstvo 11
no.55/56;101-116 My -Je '64

1. Vaso Miksin Crni Factory of Iron Vehicles, Sarajevo.

ARKOS, Dorde, inz.

Shrinkage of castings. Livarstvo ll no.57/58:165-178 S-N 164.

1. Vaso Miskin Crni Factory of Railroad Vehicles, Sarajevo.

ARKOS, F.

"A few words on the statistical recording by our rolling mills and its evaluation."
(p.193) KOHASZATI LAPOK (Magyar Banyaszati es Kohaszati Egyesulet) Budapest.
Vol 7, No 9, Sept 1952.

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

ARKOS, F.,

ARKOS, F., and others

"Method of Examination of the Production Capacity of Rolling Mills",
P. 10. (TOBBTEH ELES, Vol. 7, No. 2, Feb. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.