APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6

A. Kiyeli, T. H.

COUNTRY : USSR
CATEGORY : Pharmacology and Toxicology. Analeptics

ABS. JOUR. : RZhBiol., No. 5 1959, No. 23857

AUTHOR : Gokhelli, T. H.
INST. : Clinic of Nervous Diseases, Tbilisi Institute*
TITLE : Influence of Certain Pharmacological Substances on the EEG of Patients with Hemiplegia of Vascular Origin upon Excitation of Carotid Sinuses. II.
ORIG. PUB. : Tr. Tbilisk. nauch. issledov. Tbilisskogo in-t usoversh. vrachey, 1957, 1, 105-110
ABSTRACT : No abstract

*For Advanced Training of Physicians

Card: 1/1

A. Kiyeli, T. H.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

USSR/Human and Animal Physiology - The Nervous System.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13263

Author : Gokiyeli, T.G.

Inst : Tiflis Institute for the Advancement of Physicians

Title : Investigative Data on Higher Nervous Activity in Patients with Hemiplegia of Vascular Origin. Report 4.

Orig Pub : Tr. Kliniki nervn. bolezney. Tbilissk. in-t usoversh. vrachey, 1957, 1, 119-124

Abstract : Along with weakening of the closing function of the cortex of the brain (difficulty of formation, prolongation of latent period, decrease in magnitude of conditioned motor reaction on speech support), in 14 patients with manifestations of hemiplegia or hemiparesis

Card 1/2



USSR/Human and Animal Physiology - The Nervous System. T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13263

SARADZHISHVILI, P.M.; DZHORBENADZE, A.V.; GOKIYELI, T.G.; DEKANOSIDZE, T.I.

Clinical aspect and pathomorphology of acute poliomyelitis in Georgia. Trudy Tbil. GIDUV 6:95-108 '62. (MIRA 16:2)
(GEORGIA— POLIOMYELITIS)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKIYELI, V. G.

7884. GOKIYELI, V. G. Gagra. tbilisi, gruzmedgiz, 1954. 60 s. s ill. 21 sm. 3.000 EKZ. 2 R. 20 K.--Bibliogr: S.58-59-- (54-2556) P

614.213 (47.922.4),4 (016.3)

SO: Knizhnaya Letopis', Vol. 7, 1955

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKIYELI, V.G.; KANDELAKI, D., red.; KHUTSISHVILI, I., tekhred.

[Gagra; a popular account] Gagra; nauchno-populiarnyi ocherk. Tbilisi, Gos.izd-vo "Sabchota Sakartvelo," 1958. 47 p. (MIRA 12:4)

(Gagry--Description)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKKER, Roman Fedorovich; OSIPOVA, Aleksandra Ivanovna; BEL'SKAYA, Tat'yana Nikolayevna; MERKLIN, R.L., otv. red.; NEVESSKAY, L.A., red. izd-va; SHEVCHENKO, G.N., tekhn. red.; YEGOROVA, N.F., tekhn. red.

[Fergana Bay of the Paleogene Sea in Central Asia, its history, sediments, fauna, flora, conditions governing their existence and development]Fergenskii zaliv paleogenovogo moria Srednei Azii; ego istoriia, osadki, fauna, flora, usloviia ikh obitaniia i razvitie. Moskva, Izd-vo Akad. nauk SSSR. Book 1-2. 1962. (MIRA 15:9)

(Fergana--Geology, Stratigraphic)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKIEV, A. G.

20566 GOKIEV, A. G. K sravnitel'noy khrematsteristike nekotorykh petrakikh intruzii sary arka (tsentral'nyy Kazakhstan). Izv. Vsesoyuz. Geol. Kazakh. SSR, No. 70, Seriya geol., vyp. 11, 1949, s. 1[illegible]-17.-Bibliogr: 16 nazv

SO: LETOPIS ZHURNAL'NYKH STATEY - Vol. 28, Moskva - 1949

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

ANASTAS'IN, V.F.; ARAKELOV, A.S.; BOBROV, A.L.; VIKHOREV, Yu.V.; VIL'DER, S.I.; GLUSHKO, I.K.; GOKUN, A.M.; PIN'KOVSKIY, Ya.I.; PASHKOV, N.D.; RYABUKHA, G.K.; REBENKO, G.S.; SMUROV, Fedor Pavlovich; SOSKIND, D.M.; SAMSONOV, B.A.; SEMENOV, A.B.; SULEYMANOV, A.B.; KHARLAMOV, A.A.; TSAR'KOV, B.N.; SHIFRIN, D.L.; SHEYNMAN, V.I.; ABAKUMOVSKIY, Dmitriy Dmitriyevich, red.toma; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Petroleum equipment; in six volumes] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. 1959. 294 p. (MIRA 12:9)
(Petroleum refineries--Equipment and supplies)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKHUN, A.M., insh.; HEANUTIN, M.B.; YAKOVLEV, V.P.

MKA-10 truck-mounted crane. Stroi. i dor. mash. 6 no.6:4-6 Je '61. (MIRA 14:7)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKUN', I.A.

Compound treatment of skin tuberculosis. Probl.tub. 34 no.6 supplement:43-44 N-D '56. (MLRA 10:2)

1. Iz Ivanovskogo oblastnogo protivotuberkuleznogo dispansera.
(SKIN--TUBERCULOSIS)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

[illegible], [illegible]

[illegible]

TJ1130.[illegible]

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLUN, V. B.

Konstruktivnaia preemstvennost'v mashinostroenii. (Vestn. Mash. 1956, no.1, p. 57-64)

Includes bibliography.

Succession of designs in machine building.

LC: TJ1.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKHM, V. B.

Tekhnologicheskaia preemstvennost' v mashinostroenii. (Vestn. Mash., 1950, no.12, p. 47-56)

Technological succession in machine building.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

1. GORTW, V.

2. USSR (600)

4. Machine Industry

7. Rational selection of materials in machine construction. Vestnik mash. no. 5, 195[illegible].

Evaluation B-66181

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

1. GORUS, V. B.

2. USSR (600)

4. Mechanical Engineering - Standards

7. Trend toward standardization in machine construction. Vest mash No 6 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

[illegible], V.

"Steam [illegible] Effects in Boiler Generation." Tr. [illegible] Ob [illegible]. p. [illegible] (Sbrejirenija, Vol. [illegible], no. 1, Jan. [illegible], [illegible])

SO: Monthly List of East European Accessions, [illegible], no. [illegible], [illegible] of Congress, Feb. 1956, Incl.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GEDYK, P.K.; GOKUN, V.B. kandidat tekhnicheskikh nauk, redaktor; BOBYA - KIN, N.S., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor.

[Standardization in a machine-building plant] Normalizatsiia na mashinostroitel'nom zavode. Moskva, Ges.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1955. 186 p. (MLRA 8:8)
(Machinery industry)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

BARANOV, A.I., kandidat tekhnicheskikh nauk; KUZ'MIN, V.V., inzhener; GOKUN, V.B., kandidat tekhnicheskikh nauk, retsenzent; NOVIKOV, K.D., inzhener, retsenzent; TKACHENKO, V.V., kandidat tekhnicheskikh nauk, redaktor; TEMKIN, A.V., redaktor; UVAROVA, A.F., tekhnicheskiy redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor.

[Setting standars and norms in machine building] Standartizatsiia i normalizatsiia v mashinostroenii. Izd.2-oe, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 202 p. (Machinery industry) (MLRA 8:11)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

DAVYDOVSKIY, A.S.; DUNAYEV, P.F.; GOKUN, V.B., kandidat tekhnicheskikh nauk, retsenzent; STANKEVICH, V.G., inzhener, redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Technology of constructing machine tools] Tekhnologichnost' konstruktsii stankov. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroitel'noi litery, 1955. 314 p. (MIRA 8:6)
(Machine tools)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
CIA-RDP86-00513R000515610007-6"

DOBROVOL'SKIY, Viktor Afanas'yevich; ERLIKH, Lazar' Borisovich; SIVAY, A.V., dotsent, retsenzent; GOKUN, V.B., kandidat tekhnicheskikh nauk, redaktor; LEUTA, V.I., inzhener, redaktor izdatel'stva; RUDENSKIY, Ya.V., tekhnicheskiy redaktor

[Basic principles in the design of modern machinery] Osnovnye printsipy konstruirovaniia sovremennykh mashin. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 107 p. (MLRA 9:11)

(Machinery--Design)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKUN, Vladimir Borisovich; LUR'YE, G.B., doktor tekhnicheskikh nauk, professor, retsenzent; VITKUP, Ye.B., kandidat ekhnicheskih nauk, dotsent, redaktor; SOROKA, M.S., redaktor izdatel'stva.

[Construction prerequisites for saving metal; reducing the weight of machinery] Konstruktivnye predposylki ekonomii metalla; snizhenie vesa mashin. Kiev, Gos.nauchno-tekhn.ind-vo mashinostroit. lit-ry, 1957. 159 p. (MIRA 10:11)

(Machinery industry)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKUN, V.B.

Still No. Not given

AUTHOR: Gokun, V.B.

TITLE: Design Bases for Economy of Metal; Reduction of Weight in Machines (Konstruktivnyye predposylki ekonomii metalla; snizheniye vesa mashin)

PUB. DATA: Mashgiz, Moscow-Kiyev, 1957, 1-1 pp., [illegible] copies

ORIG. AGENCY: None given

EDITOR: Vitkup, Ye. B., Candidate of Technical Sciences, Docent; Chief Ed. of the Ukrainian Branch of Mashgiz, Zalogin, N.S.; Publ. House Ed Sorokin, N.S.; Reviewer: Lurye, G.B., Doctor of Technical Sciences, Professor

PURPOSE: The book is intended for designers of machine-building concerns.

COVERAGE: The book considers basic factors which affect weight and dimensions of a machine and discusses the reduction of weight in machines. The full complex of questions related to design of rational, low-weight machines is outlined. All material is abundantly illustrated with factual examples taken from Russian industrial practice. There are 41 USSR references.

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V. Effect of Standardization and Unification of Machine Parts and Assemblies on the Reduction of Their Weight 37

VI. Principal Bases for Selection of Materials and Their Influence on the Reduction of Weight in Machines 48

VII. Effect of Disjunction and Unification of Machine Component Blanks on the Reduction of Their Weight 57

VIII. Effect of Differentiation in the Use of Materials on the Reduction of Weight in Machines 71

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Call Nr Not given

Design Bases for Economy of Metal; Reduction of Weight in Machines (cont)


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| X. | Effect of the Material Cross Section on the Weight of Machines | 101 |
| XI. | Effect of Lightened Rolled-steel Cross Sections on the Reduction of Weight in Machines | 108 |
| XII. | Importance of Extending the Life of Machines as Related to the Problem of Economy of Metals | 117 |
| XIII. | Effect of Various Hardening Technology Methods on Extending the Life of Machine Components | 122 |
| XIV. | Comparative Analysis and Specific Indices of Machine Designs | 128 |
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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
CIA-RDP86-00513R000515610007-6"

Gokun, V. B.

PHASE I BOOK EXPLOITATION 181

AUTHOR: Gokun, V.B.

TITLE: Technological Bases for Economy of Metals. Reduction of Waste in Technological Processes (Tekhnologicheskiye predposylki ekonomii metalla. Snizheniye tekhnologicheskikh otkhodov)

PUB.DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo mashinostroitel'noy literatury, Kiyev and Moscow, 1957, 184 pp., 9,000 copies

ORIG.AGENCY: Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskaya oblastnaya organizatsiya

EDITORS: Kukoba, N.A., Engineer; Gul'ko, M.M., Engineer, Chief Ed. of the Ukrainian Section of MAShGIZ: Zalogin, N.S.; Reviewer: Lur'ye, G.B., Professor, Doctor of Technical Sciences

PURPOSE: The book is intended for designers and technologists of machine-building plants.

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Technological Bases for Economy of Metals.

COVERAGE: This book reviews the basic causes underlying overconsumption of metal and classifies them as applied to reduction of material waste in machine parts manufactured by various methods and using various materials. Numerous examples show the effect of new methods of working metal stock on the economy of metal. Furthermore, the book discusses the problem of utilizing waste material. The bibliography contains 57 Soviet references.

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XVIII. Reducing the Gating System Weight 169

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Modern Trends in the Field (Cont.) of Machine Building Technology; Collection of 301
Articles, Moscow, Mashgiz, 1957. 363p.

Gokun, V.B., Candidate of Technical Sciences. Basic Methods of Testing Machine Design During the Production Process. 333

The author presents an outline of appropriate tests extending from the design of an experimental prototype to the completion of a series of test models.

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JG/ad
9-18-58

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

ACHERKAN, N.S., zasluzhennyy deyatel' nauki i tekhniki, red.; D'YACHKOV, A.K., doktor tekhn.nauk, red.; RESHETOV, D.N., doktor tekhn.nauk, red.; GOKUN, V.B., red.; SOKOLOVA, T.F., tekhn.red.

[Theoretical principles of machine design; a collection of articles] Teoreticheskie osnovy konstruirovaniia mashin; sbornik. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 419 p. (MIRA 11:2)
(Machinery--Design)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
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ACHERKIN, N.S., zasluzhennyy deyatel' nauki i tekhniki, redaktor; GLIZMANENKO, D.L., kandidat tekhnicheskikh nauk, redaktor; RABINOVICH, B.V., kandidat tekhnicheskikh nauk, redaktor; STANKEVICH, V.G., inzhener, redaktor; STOROZHEV, M.V., kandidat tekhnicheskikh nauk, redaktor; GOKUN, V.B., redaktor; BARYKOVA, G.I., redaktor izdatel'stva; SOKOLOVA, T.F., tekhnicheskiy redaktor

[Problems of increasing labor productivity in the machinery industry; a collection of articles] Voprosy povysheniia proizvoditel'nosti truda v mashinostroenii; sbornik. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 510 p. (MIRA 10:11)
(Machinery industry) (Labor productivity)

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PHASE I BOOK EXPLOITATION 126

Gokun, Vladimir Borisovich

Tekhnologicheskiye osnovy konstruirovaniya v mashinostroyenii (Technological Principles in Machine Construction Designing) 2nd ed., rev. Moscow, Mashgiz, 1957. 693 p. 11,500 copies printed.

Reviewer: Mel'nikov, N.F., Engineer; Ed.: Kunin, P.A.; Tech. Ed.: Model', B.I.; Ed. of Publishing House: Shemshurina, Ye.A.; Managing Ed. for literature on metal working and tool making (Mashgiz): Beyzel'man, R.D.

PURPOSE: This textbook is intended for design engineers and technologists of machine-building plants.

COVERAGE: The book discusses basic questions related to design of machines and technology of machine manufacture. Manufacture of blanks and finished machine parts and their assembly are discussed from the point of view of technological bases of design and other technical and economic considerations. There are 181 Soviet references.

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Moscow. Dom nauchno-tekhnicheskoy propagandy imeni F. E. Dzerzhinskogo

Vysokoproizvoditel'naya tekhnologicheskaya osnastka (High-Productivity Auxiliary Processing Equipment) Moscow, Mashgiz, 1958. 174 p. 8,000 copies printed.

Sponsoring Agency: Otdelenie po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed. (title page): V. V. Kiz'min; Ed. (inside back): S. L. Martens; Tech. Ed.: L. P. Gorlayeva; Managing Ed. for Literature on Metal-working and Machine-Tool Construction (Mashgiz): V. V. Rzhavinskiy, Engineer.

PURPOSE: This collection of articles is intended for technical personnel engaged in the development of auxiliary equipment for metal processing.

COVERAGE: This collection contains articles dealing with modern machine-tool auxiliary equipment, methods of manufacture, and data on the introduction of such equipment into production. The engineering and economic aspects of the use of standardized auxiliary equipment are also discussed. No personalities are mentioned. References follow each article.

Cherepyshev, V. M. Standard-Unit Machine-Tool Fixtures for Lot Production 62
The author discusses the advantages of group machining of parts employing fixtures assembled from standard parts and subassemblies.

Khmelnov, V. S., and V. A. Pankratov. Experience Gained in the Use of Standard-Unit Fixtures in Experimental and Lot Production 70
The authors discuss organization of the workplace for the assembly of universal standard-unit fixtures. Mounting methods are also discussed.

Yefremov, G. G. Pneumatic Clamping Devices for Universal Standard-Unit Fixtures 84

Poyarkov, N. A. Development and Introduction of Adjustable Machine-Tool Fixtures 91
The author describes fixtures which can be easily adjusted for use on similar parts by rapid replacement of certain elements of the fixtures.

Gokov, V. N. Trend Toward Standardization of Machinery-Manufacturing Processes 105
The author advocates the speeding of standardization programs in the planning, designing, and manufacturing of parts and machinery. He also urges the reduction of time-consuming practices of individual adjustment.

Bogdanov, V. M. Introduction of Step-by-Step Stamping Into Experimental and Small-Lot Production 127
The author describes a method of cutting by stamping with specially constructed dies of his own design. By means of combination a set of 8 to 10 dies can produce a large variety of parts.

Levnerov, Yu. P. (Engineer). Universal Auxiliary Processing Equipment for Experimental and Piece Production 150
In this article comparative stamping of sheets for electrical machines and the manufacture of parts from plastics are described.

Dyakov, B. A. (Engineer), and Yu. M. Ivanov (Engineer). Use of Non-metallic Materials for Machine-Tool Auxiliary Processing Equipment 159
The author describes the use of such materials as cement, plastics, silicon-organic components, and rubber in the manufacture of standard-unit equipment.

Khromik, P. A. Standardization of Fixtures for Welding and Assembly Work 165
The article deals with classification of standard-unit fixtures for welding and assembly work. Rapid locating with hydraulic, mechanical, and pneumatic clamping devices is described.

Petsya, D. P. Use of Reinforced Concrete for Making Scaffolds for Erection Work 187
The article deals with the use of reinforced-concrete prefabricated blocks for scaffolding in erection work. The use of such blocks affords considerable economy of metals, ordinarily used for scaffolding.

Shatin, V. F. Standardization of Metal-Cutting and Auxiliary Tools 188
The article deals with the standardization of carbide-tipped and simple cutters for boring bars and milling heads. The standardization of other types of tipped cutting tools is also discussed.

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...hursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKUN, Vladimir Borisovich; STANKEVICH, V.G., inzh., retsenzent; BEYYER, Yu.V., inzh., red.; BARYKOVA, G.I., red.izd-va; CHERNOVA, Z.I., tekhn.red.; TIKHANOV, A.Ya., tekhn.red.

[Fundamentals of technological preparation for production in the manufacture of machinery] Osnovy tekhnicheskoi podgotovki proizvodstva v mashinostroenii. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1960. 663 p. (MIRA 14:2)

(Machinery industry)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
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GOKUN, Vladimir Borisovich; LUR'YE, G.B., prof., retsenzent; AZHAVINSKIY, V.V., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Reducing the amount of metal used in machinery manufacture] Snizhenie konstruktivnoi metalloemkosti mashin. Moskva, Mashgiz, 1962. 242 p. (MIRA 15:3)
(Machinery industry)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
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AM4029017 BOOK EXPLOITATION S/

Gokum, V. B.

Technological principles in the designing of machinery; nature, direction and methods of realization (Tekhnologicheskiye osnovy* konstruirovaniya mashin; sushchnost', napravleniye i metody* osushchestvleniya). 3d ed., rev. and enl. Moscow, Mashgiz, 63. 0735 p. illus., biblio. 15,000 copies printed.

TOPIC TAGS: machine building, machine design, machine parts, progress in machine building, design progress, choice of material

PURPOSE AND COVERAGE: The book considers standardization trends in machine design and in the technology of machine building, as well as the principles underlying the choice of materials, methods, and techniques for the preparation of stock parts for machines. Among the concepts introduced are the design features of the technological character of machinery, defined as the aggregate of design decisions which serve as the dominating factor in the problem of improving the technological characteristics of machinery and consequently improve labor productivity. The gradual progress made in machine design is analyzed not from the point of view of the machine output but from a point of view which is common to all types of machines. The book is intended for designers and technolgists, and can also be useful

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AM4029017

for students of machine building in higher technical schools.

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Sec. B. Principles of gradual technological progress in machine building - - 253
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Sec. D. Technological premises for the construction of unfinished machine parts - - 491
Sec. E. Design features of the technological character of machines - - 697
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SUB CODE: IE SUBMITTED: 23Sep63 NR REF SOV: 076

OTHER: 032 DATE ACQ: 29Mar64

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GOL', M.; PIKIL'NER, D.

Use of ionites for water desalting. Mest.prom.i khud.promys. 3 no.12:30-31 D '62. (MIRA 16:2)

1. Glavnyy inzh. Leningradskoy zerkal'noy fabriki (for Gol').
(Ion exchange)
(Saline waters--Demineralization)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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GOLA, Alfred;

Remote result of serpasil on the course of therapy of hypertension with radon water. Polski tygod. lek. 14 no.36:1649-1653 7 Sept 59.

1. (Z Ośrodka Naukowo-Leczniczego III Kliniki Chorób Wewnętrznych A. M. we Wrocławiu; kierownik: prof. dr E. Szczęklik).
(RESERPINE, ther.) (MINERAL WATERS, ther.)
(HYPERTENSION, ther.)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLA, Alfred; KRZYSZTON, Zofia

Non-esterified fatty acids in the cerebrospinal fluid. Polski tygod. lek. 16 no.18:664-667 1 My '61.

1. Z III Kliniki Chorob Wewnetrznych A.M. we Wroclawiu; kierownik: prof. dr Edward Szczeklik i z Kliniki Chorob Nerwowych A.M. we Wroclawiu; kierownik: prof. dr Rudolf Arend.

(FATTY ACIDS csf) (CEREBROSPINAL FLUID chem)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLA, Alfred

Effect of new thiazide derivatives on electrolyte metabolism and diuresis during the course of clinical therapy. Polski tygod. lek. 16 no.40:1532-1538 2 O '61.

1. Z III Kliniki Chorob Wewnetrznych A.M. we Wroclawiu; kierownik: prof. dr E. Szczeklik.

(DIURETICS ther)
(WATER ELECTROLYTE BALANCE pharmacol)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

NORSKI, Tadeusz; MALINOWSKI, Miron; GOLA, Alfred

Evaluation of results of treatment of some respiratory diseases, based on mathematical analysis. Arch. immun. ther. exp. 11 no.3: 479-488 '63.

1. The Therapy Research Center in Swieradow, III Clinic of Internal Diseases, School of Medicine, Wroclaw.
(BALNEOLOGY) (RESPIRATORY DISEASES)
(STATISTICS) (RADIUM) (MINERAL WATER)

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NORSKI, Tadeusz; MALINOWSKI, Miron; GOLA, Alfred

Evaluation of results of treatment of some respiratory diseases, based on mathematical analysis. Arch. immun. ther. exp. 11 no.3:479-488 '63.

1. The Therapy Research Center in Swieradow, III Clinic of Internal Diseases, School of Medicine, Wroclaw.
(RESPIRATORY DISEASES) (BALNEOLOGY)
(STATISTICS) (RADIUM)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

HALAWA, B[illegible]; [illegible], [illegible]

A case of acute [illegible] with paracrium [illegible] and mental disorders. Pol. tyg. lek. 19 no.42:1865-1866 30 N'64.

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. Edward Szczepik).

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[illegible]

[illegible]

[illegible]

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CZECHOSLOVAKIA

GOLA, J., Dr.; SINGER, V.; LUKESOVA, M.

Brno (for all)

Brno, Veterinarstvi, No 11, November 1966, pp 511-514

"Use of liquid spice concentrates in processing meat products."

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

JEDLICKA, V.; PASEK, A.; GOLA, J.

Pesticides in foods. III. Acrylonitrile as a food insecticide. J. Hyg. Epidem., Praha 2 no.1:116-125 1958.

1. Food Technology Research Institute, Prague 16, Na belidle 26 (for Jedlicka and Pasek). 2. Meat and Fish Research Institute, Brno, Palackeho 1-3, Czechoslovakia (for Gola).

(PESTICIDES, determination
acrylonitrile in foods & other media, method)
(FOOD,
contamination with acrylonitrile, determ. method)
(INSECTICIDES, effects
acrylonitrile contamination of foods, determ. method)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOKA Gerard

Subjects and authors of 15 volumes of "Energetyka."
Energetyka Pol 18 no.12:361-365 D '64.

1. Secretary of the Editorial Board of "Energetyka," Warsaw.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, Anna

The construction of shadow masks by means of the chemigraphic method. Przegl elektroniki 3 no.6:335-336 Je '62.

1. Przemyslowy Instytut Elektroniki, Warszawa.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

WAWRZYNSKI, Eugeniusz; MALDYK, Eugeniusz; GOLAB, Boguslaw

Intravital diagnosis of a case of primary cancer of the liver. Polski tygod. lek. 11 no.37:1588-1591 10 Sept 56.

1. (Z Oddzialu Wewnetrznego Szpitala im. dr. H. Wolfa w Lodzi; ordynator: dr. med. E. Wawrzynski i z Zakladu Anatomii Patologicznej A.M, w Lodzi; kierownik: prof. dr. A. Pruszyzynski). Lodz, ul, Obroncow Stalingradu 30.

(LIVER, neoplasms,
diag., intravital diag. of primary cancer with autopsy confirmation (Pol))

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, Boguslaw; LEWY, Tadeusz

Favorable effects of strophanthin & drugs with a tonic effect on the circulatory system in some cases of apoplexy. Polski tygod. lek. 14 no.19:879-880 11 May 59.

1. Z Oddz. Chorob Wewn. Szpitala im. dr Heleny Wolf w Lodzi: Ordynator: dr med. Eugeniusz Wawrzynski. Adres: Lodz, Szpital im. dr H. Wolf Oddz. Chor. Wewn..

(CEREBRAL HEMORRHAGE, ther.
strophanthin, ephedrine & nikethamide (Pol))
(STROPHANTHIN, ther. use
cerebral hemorrh. (Pol))
(EPHEDRINE, ther. use
same)
(NIKETHAMIDE, ther. use
same)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

SOLAN, Boguslaw

The [illegible] vessels of the heart; the subendocardial and the muscle arteries. Folia morphologica 12 no.1:47-53 '64.

1. Zakład Anatomii Prawidłowej, Akademia Medyczna, Łódź. Kierownik: prof. dr. med. T. Wasilewski.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, Boguslaw; WAWRZYNCKI, Eugeniusz

Use of growth hormone (somatotropin) in the treatment of cerebral stroke. Endokr. pol. 14 no.3:233-237 '63.

1. Oddzial Wewnetrzny Szpitala im. L. Pasteura w Lodzi Dyrektor i ordynator Oddzialu Wewnetrznego: Dr med. E. Wawrzynski.

(SOMATOTROPIN) (CEREBRAL HEMORRHAGE)

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GOLAB, Halina; RUDKOWSKA, Jadwiga; SZACHOWSKA, Maria

Treatment of erosions of the vaginal part of the uterus with hyaluronidase and antibiotics. Gin.polska 30 no.6:663-669 N-D '59.

1. Z I Kliniki Chorob Kobiecych i Poloznictwa Slaskiej A.M. w Zabrzu Kierownik: prof. dr W.Starzewski.
(ANTIBIOTICS ther.)
(HYALURONIDASE ther.)
(CERVIX UTERI dis.)

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GOIAB, Halina

Behavior of the leukergic reaction during pregnancy, labor & puerperium. Gin. polska 29 no.5:503-507 Sept-Oct 58.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej A. M. w Zabrzu Kierownik kliniki; doc. dr W. Starzewski. Klinika Poloznictwa i Chorob Kobiecych. Zabrze. Plac Traugutta 6.

(LEUKOCYTES
leukergy in pregn., labor & puerperium (Pol))
(PREGNANCY, blood in
leukergy (Pol))
(LABOR, blood in
same)
(PUERPERIUM, blood in
same)

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GLOWINSKI, Mieczyslaw; GOLAB, Halina

Morphological changes in the oral epithelium in women during early stages of pregnancy. Ginek. Pol. 33 no.2:209-216 '62.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Slaskiej AM w Zabrzu Kierownik: prof. dr med. W. Starzewski.

(MOUTH in pregn) (EPITHELIUM in pregn)
(PREGNANCY physiol)

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GOLAB, [illegible]

[illegible]
[illegible]

[illegible] Klinika [illegible] Akademii Medycznej w Zabrzu (Kierownik prof. dr med. M. [illegible]).

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[illegible], [illegible]; [illegible], Irena

[illegible] Infection and the [illegible]. [illegible] Infarct. [illegible]. Pol. [illegible] 25:845-8 [illegible]

1. [illegible] Clinic [illegible] Jagiellonian Univ. [illegible]

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R00051561000 7-8

Geology

P.T.A.

873

Sokolowski St., Golab J., Krygowski B. **Report on Hydrogeological Researches in 1946.**

[illegible] Biuletyn Instytutu Hydrogeologicznych w r. 1946. [illegible] 1947, P56, 39 pp. 49, 2 figs.

The Report is based on the cutting of the Tunel [illegible] was the first characteristics of the [illegible] in the K[illegible] Stre[illegible] Hydr[illegible] of the [illegible] Gobi[illegible] Report [illegible] Gi[illegible] Cost on Lower Silesia in 1946.

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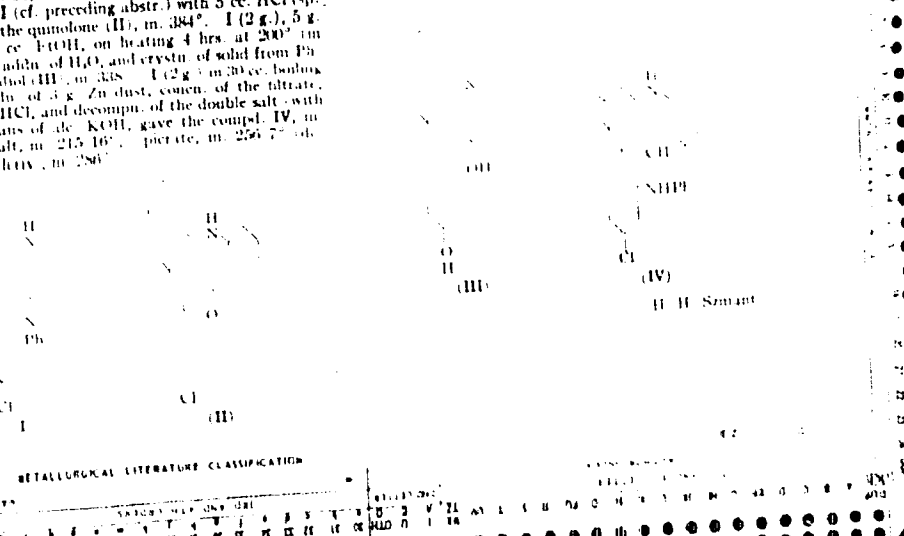
**Reactions of quinolinoquinoline systems** I. Jan Moszew, J. Golab, and W. Wahu (Univ. Kraków, Poland) *Roczniki Chem.* 21, 144-7 (1947). The hydrolysis of 2 g. of the compd. I (cf. preceding abstr.) with 5 cc. HCl (sp. gr. 1.19) gave the quinolone (II), m. 384°. I (2 g.), 5 g. KOH, and 25 cc. EtOH, on heating 4 hrs. at 200° (in an autoclave), addn. of $H_2O$, and crystn. of solid from Py, $NH_3$, gave the diol (III), m. 338°. I (2 g.) in 30 cc. boiling AcOH, on addn. of 3 g. Zn dust, concn. of the filtrate, addn. of 10% HCl, and decompn. of the double salt (with $ZnCl_2$) by means of alc. KOH, gave the compd. IV, m. 244°; HCl salt, m. 215-16°; picrate, m. 256-7° (dec. compn.). Acetate, m. 280°.




H. H. Szmant

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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PA 30T21

GOLAB, JOZEF

POLAND/Geology Aug 1947
Iron Ore Deposits

"Report on Geological Research in the Czestochowa Region (Central Poland) in 1945 - 1946," Josef Golab, 19 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 31

Geological report on this area. Mentions the following minerals: iron ores of the Jurassic age, limonite-siderite sands in the bottom of the Koscieliska beds, Koscieliska sandstones and Jurassic limestones, gravels, sands and ceramic raw materials, in addition to peat.

SI 30T21

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GOLAB, [illegible] PA 30T35

POLAND/Hydrology
Geology

Sep 1947

"Hydrogeological Characteristics of the Gubałówka Range Near Zakopane," Josef Golab, 6 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 32

Investigations begun in 1939 as part of the program of development for this area, followed by further researches in 1942, 1945 and 1947. Author concludes that the springs in this area are quite sufficient for purely local purposes, and that they are completely suitable for use.

SI

30T35

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GOLAB, JOSEF PA 30T34

POLAND/Hydrology
Geology

Sep 1947

"Characteristics of the Springs in the Krzeszowice Region Near Cracow," Josef Golab, 10 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 32

Preliminary hydrogeological investigations of springs situated near the village of Czatkowice and the valley of Eliaszowka, in connection with their planned use for the Krzeszowice water supply.

SI

30T34

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SOLAR, [illegible]

SOLAR, [illegible] Rock slides and flows and their meaning for the tectonics of the Flysch of Podhale. Lodz, 1961. [illegible] (Zeszyty Towarzystwa Naukowego. Oddział [illegible]: Nauk Matematyczno-Przyrodniczych. Bulletin. Z. [illegible], (no. [illegible]) (In Polish. Illus., [illegible], Sketches, Tables) Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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GOLAB, Mieczyslaw, inz.; MROZOWSKI, Wladyslaw, inz.

Strip-reinforced concrete roof at the Ochota railroad station in Warsaw. Inz i bud 21 no.6:211-214 Je '63.

1. Panstwowe Biuro Projektowe Kolejowych Obiektow Inzynierskich, Warszawa.

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, S.; ELIS, A. (Cracow)

A remark on the curvature of non-plane curves. Colloquium mathem 9 no. 1:127-130 '62.

1. Mathematical Institute, Polish Academy of Sciences, Warsaw

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GOLAB, S. (Krakow)

On Mieczyslaw Biernacki's works on geometry. Col math 9 no.2:375-377 '62.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, S. (Krakow)

A theory of global differential geometry. Annales pol math 12 no.1:39-47 '62.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, Stanislaw

Comparison of theory and experience; based on an example of the syncline formations over mining excavations. Geod i kart 12 no.2:141-151 '63.

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Golab, St.

Bielecki, A., et Golab, St. Sur un problème de la métrique singulière dans les espaces de Finsler. Ann. Soc. Polon. Math. 18, 134-144 (1945).

The singular metric proposed by Finsler for a Finsler space [Über Kurven und Flächen in allgemeinen Räumen, Göttingen dissertation, 1918] has in general none of the following properties: (1) additivity, (2) invariance under interchange of the sides. The authors prove, under certain regularity conditions that the property (1) or (2) holds only when the space is Riemannian. The proof is elementary in character. It is based on the consideration of the indicatrix in the tangent space and is carried out only for the two-dimensional case.

by Zaga (Sheffield)

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Golab, St.

**Golab, St.** Sur la théorie des objets géométriques. Ann. Soc. Polon. Math. 19 (1946), 7–35 (1947).

The author considers geometric objects with one component in a one-dimensional space $X_1$. Let the transformation that leads from the coordinate system $\xi^1$ to $\xi^2$ be written $\xi^2=\varphi(\xi^1)$ and the components of the object be denoted by $\Omega_1$ and $\Omega_2$. If the geometric object is of class $n$ there exists an equation of the form

$$\Omega_2=f(\Omega_1, \xi^1, \varphi(\xi^1), \varphi'(\xi^1), \cdots, \varphi^{(n)}(\xi^1))$$

[cf. J. A. Schouten and J. Haantjes, Proc. London Math. Soc. (2) 42, 356–376 (1937)]. If the function $f$ does not depend explicitly on $\xi^1$ and $\varphi(\xi^1)$ the geometric object is called a pure differential object. The purpose of this paper is to find all the pure differential objects with one component of class $v=2$ and 3 [cf. G. Pensov, C. R. (Doklady) Acad. Sci. URSS (N.S.) 54, 563–566 (1946); these Rev. 9, 67; Golab, Math. Z. 44, 104–114 (1938)]. For $v=2$ the function $f(\Omega, \varphi', \varphi'')$ satisfies the functional equation

$$f(\alpha_1\beta_1\cdot\alpha_2, \beta_1\beta_2(\alpha_1)+\beta_1(\alpha_2))=f(f(\alpha_1, \alpha_2, \alpha_3), \beta_1, \beta_2)$$

for $\alpha_1\neq 0$, $\beta_1\neq 0$ and $f(\alpha_1, 1, 0)=\alpha_1$. This equation leads to the following result. Every pure differential object of class two is a monotonic function of an object with the transformation $\Omega_2=\Omega_1/\varphi'-\varphi''/\varphi'^2$; $\Omega_1$ is the parameter of an affine connection. In the same way it is proved that the geometric objects of class 3 are monotonic functions of objects with the transformation

$$\Omega_2=\Omega_1/(\varphi')^2-(\varphi'')^2/(\varphi')^3+\varphi'''/(\varphi')^2.$$

In this case $\Omega_1$ is a parameter of a projective connection.

*J. Haantjes* (Amsterdam).

Source: Mathematical Reviews, 1948, Vol 9, No. 4

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Golab, St.

Golab, St. Sur la théorie des objets géométriques. (Réduction des objets géométriques spéciaux de première classe aux objets du type $D$). Ann. Soc. Polon. Math. 20 (1947), 10–27 (1948).

The author considers geometric objects with one component $u$ of the first class, which means geometric objects transforming under coordinate transformations $\xi^{i'}=\phi^{i'}(\xi^i)$, $i,i'=1,\cdots,n$, as follows: $u'=f(x, A^{k'}_{i})$, $A^{k'}_{i}=\partial\phi^{k'}$. He arrives at the result that for $n\neq 1$ these objects are of type $\Delta$, which means that $f(x, A^{k'}_{i})=\phi(x,\Delta)$, $\Delta=\det(A^{k'}_{i})$. This result, however, is not correct for $n=2$. The object formed by the ratio of the components of a vector gives a counter-example. It seems that the author has made a mistake in computing the Poisson brackets of the system (96) for $n=2$. The sixth equation of (98) should read $(X_3X_4)f=X_3f$. The same problem has been treated in a somewhat more general way by G. Pimov [C. R. (Doklady) Acad. Sci. URSS (N.S.) 51, 563–565 (1946); these Rev. 9, 617] using a method introduced by W. Wagner [Ibid. 46, 347–349 (1945); these Rev. 7, 365]. *J. Haantjes.*

Source: Mathematical Reviews. Vol 10 No. 4

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Galab, St.

**Golab, St.** **Espace pourvu d'une métrique définie au moyen de l'écart triangulaire et les espaces métriques généralisés.** Ann. Soc. Polon. Math. 21 (1948), 226–235 (1949).

In a convex metric space, let $\rho(p, q)$ be a secondary distance satisfying only the following conditions: (1) $\rho(p, p) = 0$; (2) $\rho(p, q) > 0$ if $p \neq q$; (3) if, in the metric space, the points $p_n$ and $q_n$ converge to $p$ and $q$, respectively, then $\lim \rho(p_n, q_n) = \rho(p, q)$. Let $I(p, q)$ denote the set of all points $x$ such that $\rho(p, x) + \rho(x, q) = \rho(p, q)$. If all the sets $I(p, q)$ for the various pairs $p, q$ have a monotonous intersection, then every two points can be joined by a geodesic arc of length 0. This theorem is applicable to the Euclidean plane with the secondary [illegible] are that [illegible] of the points [illegible] for this [illegible] to all [illegible] (Chaosa, [illegible])

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"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

Golab, S.

Golab, S. Sur les objets géométriques non différentiels. Bull. Int. Acad. Polon. Sci. Cl. Sci. Math. Nat. Sér. A. Sci. Math. 1949, 67–72 (1949).

The author considers special geometric objects of class zero [classification of Schouten and Haantjes, Proc. London Math. Soc. (2) 42, 356–376 (1937)] with one component in a one-dimensional space. It is proved that all these objects that are not scalars are given by the formula

$$f(\Omega, \xi, \eta) = G[g(\Omega, \xi), \eta],$$

in which $G(u, v)$ is arbitrary and univalent with respect to $u$, $G(u, 0)$ is equal to $u$ and $g(u, v)$ is defined uniquely as the inverse of $G$ with respect to $u$. *J. A. Schouten* (Epe)

Source: Mathematical Reviews, Vol 11 No. 9

Cont.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6

GOLAB, S.

Golab, St. Généralisation des équations de Bonnet-Kowalewski dans l'espace à un nombre arbitraire de dimensions. Ann. Soc. Polon. Math. 22 (1949), 97–156 (1950).

This paper is a study of the local structure of curves lying in a Riemannian $V_n$ and more particularly of those which lie in a $V_{n-1}$ which itself is in $V_n$. The general plan is to construct equations similar to the Frenet and Bonnet-Kowalewski equations and to interpret the various coefficients as curvatures of higher order.

Following Schouten and Struik [Einführung in die neueren Methoden der Differentialgeometrie, v. 2, 2d ed., Noordhoff, Groningen, 1938, p. 14] let $\mathbf{i}_1$ be the unit tangent vector to the curve $C$, $\mathbf{i}_k$ $(k=2, \cdots, n)$ its various normals relative to $V_n$ and $\kappa_k$ the corresponding curvatures. If $\kappa_{r-1} \neq 0$ and $\kappa_r = \cdots = \kappa_{n-1} = 0$, the curve is called "flat of order $r$." Let $C \subset V_{n-1} \subset V_n$ and let $E_{n-1}$ be the tangent hyperplane to $V_{n-1}$ in $V_n$. Then $C$ is "asymptotic of order $p$" if $\mathbf{i}_1, \cdots, \mathbf{i}_p$ are in $E_{n-1}$ whereas $\mathbf{i}_{p+1}$ is not, or if $C$ is asymptotic of order $p-1$ and $\kappa_p = 0$. Let $\mathbf{n}$ be the unit normal to $V_{n-1}$ in $V_n$. Then $C$ is called a "geodesic of order $p$" if $\mathbf{n}$ is linearly dependent upon $\mathbf{i}_1, \cdots, \mathbf{i}_p$ and not upon $\mathbf{i}_1, \cdots, \mathbf{i}_{p-1}$, or if $C$ is a geodesic of order $p+1$ and $\kappa_{p+1} = 0$.

It is shown that there exists an $n$-frame $\mathbf{t}_1, \cdots, \mathbf{t}_n$ such that $\mathbf{t}_1 = \mathbf{i}_1$, $\mathbf{t}_n = \mathbf{n}$ and

$$
\begin{aligned}
D\mathbf{t}_\lambda &= \sum \omega_{\lambda\mu} \mathbf{t}_\mu + \gamma \mathbf{t}_n, \\
D\mathbf{t}_n &= -\sum \omega_\mu \mathbf{t}_\mu + \beta_\lambda \mathbf{t}_\lambda, \qquad (\lambda, \mu = 2, \cdots, n-1), \\
D\mathbf{t}_n &= -\gamma \mathbf{t}_1 - \sum \beta_\lambda \mathbf{t}_\lambda,
\end{aligned}
$$

where $D$ indicates covariant differentiation. These are the generalized equations of Bonnet-Kowalewski. The curve $C$ is proved to be asymptotic of second order if $\gamma = 0$, of the third order if $\gamma = 0$, $\sum \omega_\lambda \beta_\lambda = 0$, of the fourth order if $\gamma = 0$, $\sum \omega_\lambda \beta_\lambda = 0$, $\sum \omega_\lambda \beta_\lambda = 0$. Conditions that $C$ be a geodesic of various orders are suggested. Relations are developed between the $\kappa$ and the $\omega$, $\beta$, and $\gamma$.

An exposition of the [illegible] theorem for this [illegible] is given [Akad. Nauk. Vektor- i Tenzoranalysis [Trudy Sem. Vektor. Tenzor. Analizu.] 4, 360–362 (1937)]. This results in equations related to those above. Connections between the "invariants" of the $D$-curvatures and the above "invariants" are developed. A number of theorems are proved relating the properties of being an $r$-flat curve, an asymptotic curve of order $p$, a geodesic of order $p$, a line of curvature, and a plane curve or straight line. The paper concludes with a detailed discussion of the case $n=3$.

*C. B. Allendoerfer* (Haverford, Pa.)

Source: Partial Report

Golab, St.
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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6

**Golab, St.** Contribution à la théorie des objets géométriques. Prace Mat.-Fiz. 47, 1-13 (1949).

It is proved that in a one-dimensional space no special geometric objects exist of a class greater than 3. If only analytic functions are allowed, this theorem is equivalent to the well-known theorem proved by Lie that there do not exist transformations with a number of essential parameters greater than 3. But in this paper the proof is given for functions of class $C_1$ (partial derivatives of first order existing and continuous). *J. A. Schouten* (Epe).

Source: Mathematical Reviews, Vol. 11 No. 4

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

Golab, S. La notion de similitude parmi les objets géométriques. Bull. Int. Acad. Polon. Sci. Lett. Cl. Sci. Math. Nat. Sér. A. Sci. Math. 1950, 1-7 (1950).

A geometric object $\Omega^*$ is similar to another one $\Omega$ if its components $\Omega_i^*$, can be written as functions of the components of $\Omega$: $\Omega_i^*=f_i(\Omega_i)$ and if the transformation $\Omega\to\Omega^*$ is invertible. It is proved that if $\Omega$ is a special geometric object (classification of Schouten and Haantjes [Proc. London Math. Soc. (2) 42, 356-376 (1937)]), $\Omega^*$ is also a geometric object. If $\Omega$ is a Weyl density and the transformation is neither invertible nor even, $\Omega^*$ need not be a special geometric object. In three interesting remarks at the end of the paper the author shows that the definition of similarity is in fact reasonable.

*J. A. Schouten* (Egle).

Source: Mathematical Reviews, Vol 12, No. 7.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6

Golab, St.

Golab, St. Sur les objets géométriques à une composante. Ann. Soc. Polon. Math. 23, 79-89 (1950).

This paper deals with geometric objects of the first class with one component. In a preceding paper [same Ann. 20, 10-27 (1948); these Rev. 10, 267] the author has shown that these geometric objects in an $X_n$ ($n>2$) are of the $\Delta$-type. For an $X_2$, however, these geometric objects are of two kinds, which are represented by (1) a density (objects of the $\Delta$-type) and (2) the quotient of the components of a vector.

*J. Haantjes* (Leiden).

Source: Mathematical Reviews, Vol 12, No. 9, 8,(a)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

(2).

Mathematical Reviews
Vol. 14 No. 10
Nov. 1953
Geometry

Gołąb, S. Sur une condition nécessaire et suffisante d'ombilicité d'un point de surface. Ann. Soc. Polon. Math. 25 (1952), 140-144 (1953).

The author proves that a necessary and sufficient condition that a point on a surface be an umbilical point is that the normal curvatures of the two lines of curvature through this point be equal. *C. B. Allendoerfer* (Seattle, Wash.).

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GOLAB, S.

**Golab, S.** **Les courbures (ordinaires) d'une courbe située sur une hypersurface et les courbures géodésiques et normales ainsi que la torsion géodésique de cette courbe.** Ann. Polon. Math. 1, 81-88 (1954).

For a curve on $V_{n-1} \subset V_n$ the author [Ann. Soc. Polon. Math. 22, 97-156 (1950); these Rev. 11, 690] has defined quantities $\alpha_2, \cdots, \alpha_{n-1}, \gamma, \beta_2, \cdots, \beta_{n-1}$ in terms of the principal curvatures of the curve. Put $\alpha = (\sum \alpha^2)^{1/2}$, $\beta = (\sum \beta^2)^{1/2}$; $\alpha$ is called the geodesic curvature of the curve, $\beta$ the geodesic torsion, and $\gamma$ the normal curvature. If $\alpha \equiv 0$ the curve is called a geodesic; if $\beta \equiv 0$ it is a line of curvature; and if $\gamma \equiv 0$ it is an asymptotic line. Then it is proved that for $n \geqq 4$, if a geodesic is plane, it is a line of curvature; and that if a line of curvature is plane, the ratio $\gamma/\alpha$ is a constant. Moreover, if a curve is asymptotic of the second order it is asymptotic of arbitrary order ($\leqq n-1$).

*C. B. Allendoerfer* (Seattle, Wash.).

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GOLAB, S.

Golab, S. Sur quelques propriétés des courbes planes. Ann. Polon. Math. 1, 91–106 (1954).

Let $\widehat{AB}$ be an arc of a parabola and $\overline{AB}$ the corresponding chord. If $p$ denotes the area bounded by $\widehat{AB}$ and $\overline{AB}$ and if $P$ denotes the area of the circumscribing rectangle having $\overline{AB}$ as one side, then it has been known since Archimedes that $p/P = 2/3$. For a general plane curve the ratio of the corresponding magnitudes $p/P$ is not equal to $2/3$. This paper gives a series of propositions concerning the limiting behavior of the ratio $p/P$ as the arc length $\widehat{AB}$ approaches zero. In the general case the limit is $2/3$, but if the arc contains points of zero or infinite curvature, or if the arc is not of sufficient differentiability the resulting conclusions must be modified. *S. B. Jackson* (College Park, Md.).

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, S.

Golab, S. Sur la dérivée covariante des objets géométriques de troisième classe. Ann. Polon. Math. 1, 107–113 (1954).

Let $\omega$ be a geometric object of class 2 in an $X_1$. This paper deals with the problem of defining a covariant derivative $D\omega = F(\omega, \omega', \mu)$, $\mu$ being a geometric object of class 3 not depending on $\omega$, such that $D\omega$ is a geometric object of class 2. It is shown that such a covariant derivative does not exist for the general pseudo-group $\xi^* = \varphi(\xi)$. It exists however at $P$ if one restricts the coordinate transformations to those for which at $P$ either $\alpha = \varphi' = 1$ or $\alpha > 0$.

*J. Haantjes* (Leiden).

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Golab, S.

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**Golab, S.; und Kucharzewski, M. Zur Theorie der geometrischen Objekte.** Ann. Polon. Math. 2 (1955), 250–253 (1956).

2

1 - F/W

The author considers certain algebraic combinations of geometric objects and determines whether these combinations are themselves geometric objects. Let $\Gamma_{\mu\lambda}{}^{\nu}$ be an affine connection, $\Gamma_{\mu}=\Gamma_{\mu\lambda}{}^{\lambda}$, and $A_{\nu}{}^{\lambda}=\partial\xi^{\lambda}/\partial\xi^{\nu}$. If $T^{\lambda_1\cdots\lambda_p}_{\mu_1\cdots\mu_q}$ is an affinor-density, the combination $T^{\lambda_1\cdots\lambda_p}_{\mu_1\cdots\mu_q}\Gamma_{\nu}$ is not necessarily a geometric object. However, if $p=q$ and $T^{\lambda_1\cdots\lambda_p}_{\mu_1\cdots\mu_p}=A^{\lambda_1}_{\mu_1}\cdots A^{\lambda_p}_{\mu_p}$, the above combination is a geometric object. When $p=1$, we obtain $A_{\mu}{}^{\lambda}\Gamma_{\nu}=A_{\nu\mu}{}^{\lambda}$, which conceivably can be used to define the parallel displacement of a vector. This works for $n>1$ if and only if the underlying group of coordinate transformations is restricted to the affine subgroup. For $n=1$, $A_{\nu\mu}{}^{\lambda}$ defines parallel displacement without this restriction.

*C. B. Allendoerfer* (Seattle, Wash.).

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

★ Golab, Stanislaw. Rachunek tensorowy. [Tensor calculus.] Biblioteka Matematyczna, Tom 11. Państwowe Wydawnictwo Naukowe, Warsaw, 1956. 309 pp. zł. 30.70.

This is a careful book, in the classical style and the usual best traditions of the Polish school, on the Tensor Calculus, written from a geometrical point of view, and intended for students of Physics and Engineering as well as those of Mathematics. By an explicitly stated preference, the author follows the methods of Schouten, tensors appear as things with many indices; the concepts of dual spaces, multilinear maps, exterior multiplication, tensor products and tensor algebras, and in general, the ideas of E. Cartan and the French school, do not appear in the book.

There are the usual two parts, the algebra of tensors and tensor analysis. Ch. 1 contains a semi-historical account of topological, metric and Euclidean spaces, followed by a discussion of the geometrical problems of coordinatizations, Klein's Erlangen program, geometries based on groups and quasigroups, and the structure of various subgroups of the affine group. Ch. 2 introduces vectors, vector spaces and operations on vectors; this is followed by Schouten's theory of a geometrical object

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Golab, Stanislaw

(although no credit is given to Grassmann who originated the subject). Ch. 3 introduces $p$-vectors, tensors and tensor densities, and operations on these; this is illustrated by many geometrical examples. Ch. 4 completes Part 1 with a discussion of some special topics (dyadics, systems of holonomy, hessians of vector fields, etc.) and a preparation for Part 2.

This begins with a long chapter on parallelisms, covariant differentiation, absolute derivatives, Crhistoffel symbols, geodesics in Riemannian spaces and geodesic coordinates. Ch. 6 introduces and discusses in detail the curvature and torsion tensors. Ch. 7 is devoted to a detailed treatment of the geometry of Riemannian spaces. Chapters 8 and 9 take up selected special topics, such as the spaces of Weyl, differential invariants and the theorems of Gauss, Stokes and Green. The last chapter contains some applications of tensors: the equations and properties of geodesics, some aspects of embedding problems, and a brief but excellent exposition of classical differential geometry.

A five-page collection of symbols, definitions and formulas, a bibliography of 117 references and an index complete the book. *Z. A. Melzak* (Montreal, P.Q.).

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, S.

GOLAB, S. Flattened triangles. p. 13.

No. 1, 1956
GEODEZJA
SCIENCE
Warzawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6
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Golab, S., et Łojasiewicz, S. Un théorème sur la valeur moyenne $\theta$ dans la formule des accroissements finis. Ann. Polon. Math. 3 (1956), 118-125.

The value $\theta$ in the mean value theorem

$$f(b)-f(a)=(b-a)f'(a+\theta(b-a))$$

is considered as a function $\theta(a, b)$ of $a$ and $b$. The authors solve the problem of finding all functions $f$ (satisfying suitable conditions) for which $\theta(a, b)$ is homogeneous (of order zero). The solution of this problem is obtained by two different methods. For the first method (due to the first author) it is assumed that $f'''$ exists and is continuous and that $f''(x)\neq 0$. Then the problem is reduced to the solution of the differential equation (*) $xf'''(x)/f''(x)=C$ which is to be satisfied except perhaps for $x=0$. For the second method weaker assumptions are made, namely $f''$ is supposed to exist and to be strictly monotone in $(a, b)$. Then the problem leads to a system of two linear functional equations. The proof of a lemma used therein will be published separately. Both methods give the following three families of curves as the solutions of the problem:

1. FW

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Golab, S; et Lojasiewicz, S

(1) $$f(x)=\alpha x \ln|x|+\beta x+\gamma,$$
(2) $$f(x)=\alpha \ln|x|+\beta x+\gamma,$$
(3) $$f(x)=\alpha x^3+\beta x+\gamma.$$

After completion of this paper, the authors observed that a formula implying (*) had already been obtained by V. Gonçalves [Portugal. Math. 2 (1941), 121–138; MR 3, 165].

*A. Rosenthal* (Lafayette, Ind.)

3

1-FW

2/2

Smw

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

GOLAB, S., prof.

Courses of development and progress in mathematics in Poland.
Mir nauki no.6:15-18 '59. (MIRA 13:3)
(Poland--Mathematics)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515610007-6"

PHASE I BOOK EXPLOITATION POL/4891

Aczél, J., and S. Gołąb

Funktionalgleichungen der Theorie der geometrischen Objekte (Functional Equations of the Theory of Geometric Objects) Warsaw, Panstwowe Wydawn. Naukowe, 1960. 172 p. Errata slip inserted. No. of copies printed not given. (Series: Polska Akademia Nauk. Monografie matematyczne, t. 39). SPECIAL NOTE: This book is copyrighted 1960 by Państwowe Wydawnictwo Naukowe, Warszawa (Poland), ul. Miodowa 10.

Editorial Committee: Karol Borsuk, Bronisław Knaster, Ed.: Kazimierz Kuratowski; Stanisław Mazur, Wacław Sierpiński, Hugo Steinhaus, Władysław Ślebodziński, Antoni Zygmund.

PURPOSE: This book is intended chiefly for readers already acquainted with the theory of geometric objects.

COVERAGE: The book is, to a certain extent, an elementary work on the theory of geometric objects. Principally, it presents

Card 1/8

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GOLAB, S. (Krakow); KORDYLEWSKI, J. (Krakow); KUCZMA, M. (Krakow)

On some new geometrical interpretations of the torsion of a skew curve. Annales pol math 7 no.3:269-278 '60. (EEAI 9:10)
(Curves) (Geometry)