

MILLER, E.E.; BYALKOVSKAYA, V.S., kand. ekon. nauk, retsenzent;
PETRUKOVICH, V.G., inzh., red.

[Economics, organization and design of forge shops in machinery plants] Ekonomika, organizatsiia i proektirovanie kuznechnykh tsekhov mashinostroitel'nykh predpriatii. Moskva, Mashinostroenie, 1964. 255 p. (MIRA 17:11)

MILLER, L. V.

USSR?

Computation of the vertical motion of mineral particles in a liquid. E. V. Miller and V. I. Kizren. *Govoye Zhan.* 1958, No. 5; 58-59. The general equation for the velocity (v) of flow of a liquid at which it will support a mineral grain or a layer of grain is $k_1 F v^2 [(F - F_1 - F_1') F^2 / (F - F_1 - \frac{1}{2} F_1')^2 - 1] = F_1 (k_2 k_3) H g - F F_1' H g / (k_2 - \frac{1}{2} k_3) (F - F_1 - \frac{1}{2} F_1')$, where k_2 and k_3 are sp. gr. of mineral and liquid, resp., F is cross section of stream of liquid, F_1 cross section of mineral particle perpendicular to flow of liquid, F_1' area of liquid having a velocity less than the av. velocity at the level of the mineral grain, H height of mineral particle, and g gravity. For large grains the simplified form of this equation is $k_1 F v^2 / (2) [F_1 / (F - F_1')^2 - 1] = (k_2 - k_3) F_1 H g$. M. Hosh

Miller, E.V.

124-1957-10-11793

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 87 (USSR)

AUTHORS: Plaksin, I. N., Klassen, V. I., Nesterov, I. M., Miller, E. V.

TITLE: Resistance of a Layer of Mineral Grains to a Liquid Stream
Passing Through It (O soprotivlenii sloya mineral'nykh zeren
prokhodyashchemu potoku zhidkosti)

PERIODICAL: Tr. In-ta gorn. dela AN SSSR, 1956, Vol 3, pp 213-238

ABSTRACT: To compute the resistance of a liquid flow through a layer of mineral grains, the Navier-Stokes equation for laminar flow through channels with varied cross sections is solved. Shapes of cross sections similar to those prevailing between adjacent grains are discussed. The flow equation is solved by a method of finite differences. For an average velocity v the following equation is given:

$$v = -\alpha \frac{x_0^2}{\mu} \frac{dp}{dz} \quad (1)$$

Card 1/3

124-1957-10-11793

Resistance of a Layer of Mineral Grains (cont.)

where x_0 is the radius of a circle having an area equal to the cross section of the channel; dp/dz is the pressure gradient; μ is the viscosity; α is a coefficient depending upon the shape of the cross section which is equal to 0.125 for a round section, 0.14 for a square or triangular section, etc. On the average α is assumed to be 0.13. An average velocity through a layer containing a large amount of grains is computed. The pressure drop across the layer is determined by the equation:

$$\left| \frac{dp}{dz} \right| = \frac{189.4 \mu v_i (1-\theta) \theta^{\frac{1}{2}}}{(d_1^2 + d_1 d_2 + d_2^2) (1 - \theta^{\frac{2}{3}})^4 g} \quad (2)$$

where θ is the compactness of the layer and d_1 and d_2 are the dimensions of the largest grain and the smallest grain in cm. A formula for the computation of the velocity in poured and compacted particles (grains) was obtained. The formulas were tested by experiments. The experiments carried out with magnetite

Card 2/3

124-1957-10-11793

Resistance of a Layer of Mineral Grains (cont.)

(size 0.2 - 0.1 cm) lead glance (0.16 - 0.1 and 0.0147 - 0.0104), and chalcopyrites (0.042 - 0.025), showed that formula (2) can be used for velocities $v_1 < 1$ cm sec⁻¹. An analysis of results obtained shows that the formulae cannot be used without giving them a further, more accurate definition in the case of a low degree of grain compactness. Bibliography: 6 references.

Ye. M. Minskiy

Card 3/3

PLAKSIN, I.M.; KLASSEN, V.I.; WESTEROV, I.M.; MILLER, M.V.

Water movement in a sinusoidal settling cycle; quality evaluation.
Trudy Inst.gor.dela 3:247-254 '56. (MLRA 9:8)
(Ore dressing)

MILLER, S.M.

DEBERDEYEV, I.K. (Moskva); KALASHNIK, V.I. (Moskva); MILLER, S.M. (Moskva);
NESTEROV, I.M. (Moskva)

Effect of vibration on the state of the artificial ragging of a
jigging machine. Izv. AN SSSR. Otd. tekhn. nauk. Met. i top. no.1:
162-166 Jan '61. (MIA 14:2)

(One dressing)

DEBERDEYEV, I.Kh.; KLASSEN, V.I.; MILLER, E.V.

Effect of the vibration of the medium on the sedimentation of
fine-grained minerals. Izv.AN Uz.SSR. Ser.tekh.nauk no.2:79-84
'61. (MIRA 14:3)

1. Institut gornogo dela AN SSSR i Gornyy otdel AN UzSSR.
(Sedimentation and deposition)

NESTEROV, I.M., kand.tekhn.nauk; MILLER, E.V.

New methodology for exact determination of the specific weight
of individual samples of the products of gravity concentration.
Nauch. soob. IGD 16:52-59 '62. (MIRA 16:8)
(Gravity separation of ores)

MILNER, Felician, mgr; SNIWOCKI, Wiktor, mgr

Pharmaceutical legislation in the Polish People's Republic.
Farmacja Pol 20 no. 13/14:514-519 J1 '64.

MILLER, Frantisek

"The American Fall Webworm (Hyphantria cunea Drur.), The Most Dangerous
Pest On Our Foliage Trees." p. 16. (Zoologické A Entomologické Listy.
Vol. 1, No. 1, 1952, Praha.)

Vol. 3, No. 3.

SO: Monthly List of East European Accessions, Library of Congress, March 1954, uncl.

MILLER, FRANT.

CZECHOSLOVAKIA / General Division, History, Classics, Personnel A-2

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 80

Author : Miller, Frant.

Inst : Not Given

Title : Corresponding Member of the Czechoslovakian Academy of
Sciences, Josef Kratochvil

Orig Pub : Zool. listy, 1956, 5, No 2, 188-189

Abstract : A summary of the life and activities of the Czech scientist,
Kratochvil, who is working on a number of fields of zoology,
among which is applied entomology.

Card : 1/1

DUMITRESCU, Margareta; MILLER, Frantisek, dr.

Lessertiella dobrogica, n. gen., n.sp., an endemic spider
of the cavern "Pestera Liliacilor dela Gura Dobrogei"
(Aranea). *Cas entom* 59 no.2:165-173 '62.

1. Institutul de Speologie "Emil Racovita", Str. Dr. Capsa
No.8, Raion Lenin, Bucuresti, Rumania (for Dumitrescu).
2. Vysoka skola zemedelska, Brno, Zemedelska 1, Czechoslovakia
(for Miller).

MILLER, Frantisek, prof. dr.; VALESOVA, Eva, dr.

Spider fauna of the limestone steppes of the Raectin Valley in Central Bohemia. Cas entom 61 no.2:180-188 '64.

1. Institute of Applied Entomology of the Faculty of Agronomy, Higher School of Agriculture, Brno, Zemedelska 1 (for Miller).
2. Entomological Department of the Central Research Institute of Food Industry, Prague 5, Na belidle 21 (for Valesova).

CZECHOSLOVAKIA

MILLER, Frantisek [Affiliation not given]

"Applied Zoology by J. Kratochvil"

Bratislava, Biologia, Vol 21, No 8, 1966, pp 632-634

Abstract: The author discusses the book "Pouzita Zoologie" published by the Statni Zemedelske Nakladatelstvi at Prague in 1966 in two volumes. The first describing invertebrates has 409 pages with 222 figures; the second dealing with vertebrates has 261 pages with 124 figures. The book is written for reference purposes in agriculture, veterinary medicine, zoology, hydrobiology, ichthyology, parasitology, biology, and the study of natural drugs. No references.

1/1

- END -

CSO: 2000-D

- 107 -

Name: Miller, F.A.

Author of book, "The Physics of Ultra-short Waves."
This book contains methods of generating ultra-short
waves by triodes and magnetrons. This work is
specifically designated for technical institutes.

REF: R. F. #19, p.64, 1938

MILLER, F.D.

Strive for a higher machinery output. Kolyma 21 no.1:9-10 Ja '59.
(MIRA 12:6)

1. Priisk "Gornyy."
(Bulldozers) (Peat machinery)

MILLER, F.K.

1/10

J. W.

Vulcanization of repaired tyres and tubes with
high-frequency current. F. MILLER (Automobil,
1946, 24, No. 5/6, 11-12; Chem. Abn., 1947, 41,
288).

05A02.12

MILLER, F.K.

Mechanizing tire repair. Obm.tekh.opyt.na avt.transp.
no.18:33-39 '60. (MIRA 13:7)
(Tires, Rubber--Repairing)

MILLER, F. K.

Stand for tapering boot edges. Avt. transp. 39 no.5:52 My '61.
(MIRA 14:5)

(Tires, Rubber—Repairing)

MILLER, F.K.

Use of electroconductive rubber in the repair of automobile and other tires. Kauch. i rez. 23 no.12:38-40 D '64.

(MIRA 18:2)

1. Opytnyy zavod po vosstanovleniyu shin Nauchno-issledovatel'skogo instituta shinnoy promyshlennosti.

BANARESCU, P.; MILLER, G.

The fishes of Transylvania and their distribution. Studii biol Cluj
10 no.2:335-366 '59. (EKAI 10:2)
(TRANSYLVANIA--FISHES)

MILLER, G., inzh.; SHEYNIN, P., inzh.; YACHIN, Yu., inzh.

Heavy-duty trailer, Avt.transp. 42 no.3:44-47 Mr '64.
(MIRA 17:4)

15-1957-12-17060
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12,
p 52 (USSR)

AUTHOR: Miller, G. P.

TITLE: Origin of the Khustsko-Solotvinskiy Caldera (K voprosu
o genezise Khust -Solotvina kotloviny)

PERIODICAL: Byul. nauk. stud. konferentsii 1954 roku, Chast 2, L'viv,
Vid-vo un-tu, 1955, pp 9-11.

ABSTRACT: Bibliographical entry

Card 1/1

MILLER, G.P.

Experience in analyzing the morphological structure of the
landscape of the Khust-Solotvino depression in Transcarpathia.
Dop. ta pov. L'viv. un. no.7:pt.3:10-13 '57. (MIRA 11:2)
(Transcarpathia--Physical geography)

MILLER, G.P.

Graphic method of representing the high altitude structure of
mountainous landforms. Vest. Mosk. un. Ser. 5: Geog. 20
no.1:64-66 Ja-F '65. (MIRA 18:3)

BELOV, N.N.; BOL'SHAM, Ya.M.; GORDEYEV, A.N.; GRACHEV, V.A.; YERMILOV, A.A.;
ZALESSKIY, A.M.; KIZNETTER, Ye.N.; KHORRING, G.M.; KONSTANTINOV,
B.A.; KOPYTOV, N.V.; LEVIT, G.O.; MILLER, G.P.; MAYFEL'D, M.P.;
PRINTSEV, A.A.; SERBINOVSKIY, G.V.; SOKOLOV, B.A.; STASILOYTS, A.B.;
TAYTS, A.A.; KHRAMUSHIN, A.M.

Mikhail Konstantinovich Kharchev; obituary. Belov and others. Prom.
energ. 12 no.12:33 D '57. (MIRA 10:12)
(Kharchev, Mikhail Konstantinovich, 1896-1957)

MILLER, G.P.

Practice in the landform analysis of the Chernogory (the
communique No.2.). Geog. zbir. no.7:75-83 '63.

(MIRA 17:12)

Miller, G.R.

621,316.5,064 : 621,316.17
133. AUTOMATIC THROWING-ON OF RESERVES IN L.V.
PLANTS OF INDUSTRIAL WORKS. G.I. Miller.
Energetik, 1955, No. 7, 1-4. In Russian.

Automatic throwing-on of reserves is recommended on the l.v. side rather than on the h.v. side. A.C. contactors are used up to 560 kVA transformer rating. 750 and 1000 kVA transformers require automatic circuit-breakers. A reserve transformer capacity of 30-35% is in most cases sufficient after allowance is made for dropping unessential load and for temporary overloading. Start conditions are to be watched and arrangements made, if necessary, for automatic restarting of motors, possibly staggered. F. Busemann

SOV/112-57-9-18669

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 82 (USSR)

AUTHOR: Miller, G. R.

TITLE: Automation of Electric Supply of Industrial Plants
(Avtomatika v elektrosnabzhenii promyshlennykh predpriyatiy)

PERIODICAL: V sb. Tr. nauch.-techn. soveshchaniya po elektrosnab. prom.
predpriyatiy, Moscow-Leningrad, Gosenergoizdat, 1956, pp 180-200

ABSTRACT: Fundamental automation schemes in industrial electric-supply systems are: automatic circuit reclosing, automatic throw-over (reserve), automatic frequency-dependent control, and automatic current-dependent control. Both AC and DC can be used for control circuits. Cost of automatic devices in industrial-plant networks constitutes 10-20% of the network cost. In 6-10 kv industrial networks, automatic circuit reclosing is used only on overhead lines and bus ducts. Automatic circuit reclosing is also considered expedient for main cable lines and for the lines to single-transformer spur substations with no automatic throw-over on the low-voltage side. In 380-v networks, the

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SOV/112-57-9-18669

Automation of Electric Supply of Industrial Plants

author recommends use of automatic circuit reclosing on electric-motor contactors and starters to take care of short-period supply interruptions. Automatic throw-over should be provided for reserving lines, sections, buses, transformers, and individual units. A supply scheme with an automatic throw-over associated with a bus-sectionalizing circuit-breaker can be considered as an economical solution. In automatic throw-over schemes, care should be taken to reduce operating time in order to facilitate motor self-starting. The following schemes are examined: an incoming-line automatic throw-over with an AC UGP-51 gravity-type operating mechanism, a bus-sectionalizing automatic throw-over with gravity-type or electro-magnetic operating mechanism. Automatic throw-over schemes in 380-v networks are simpler and can be realized with A-2050 automatic devices or KT contactors. Frequency-dependent automatic regulation in industrial networks is used very rarely, mostly at large industrial substations with 110-220 kv, over 25 Mva, and 6-10 kv outgoing lines. Current-dependent automatic regulation is recommended for unattended sub-

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Automation of Electric Supply of Industrial Plants

stations or distribution stations, both in 6-10 kv and 380-v networks. In conclusion, the problems of motor self-starting are considered. Self-starting of synchronous motors requires a higher residual voltage than self-starting of induction motors.

V.V.M.

Card 3/3

MILLER, G.R., inzhener.

Reducing the time for the automatic switching-in of reserve
in industrial networks. Prom.energ. 11 no.7:27-29 J1 '56.
(MLBA 9:10)

(Electric power) (Electric relays)

MILLER, G.R.

KONSTANTINOV, B.A., kandidat tekhnicheskikh nauk; MILLER, G.R.,
inzhener; KHARCHEV, M.K., kandidat tekhnicheskikh nauk

"Industrial plant power supply." A.A. Fedorov. Reviewed by
B.A. Konstantinov, G.R. Miller, M.K. Kharchev. Prom.energ.
11 no.11:37-39 N '56. (MLRA 9:12)

(Electric power)

(Fedorov, A.A.)

MILLER, G.R., inzh.

~~Problems~~ of self-starting of synchronous motors. Prom. energ. 12
no.12:19-23 D '57. (MIRA 10:12)

1. Gosudarstvennyy proyektnyy institut Tyashpromolektroproyekt.
(Electric motors, Synchronous)

MILLER, G. R.: Master Tech Sci (diss) -- "The automatic restoration of the operation of electric motors in brief breakdowns of electric power supply". Leningrad, 1958. 16 pp (Min Higher Educ USSR, Leningrad Electrical Engineering Inst in V. I. Ul'yanov (Lenin), Chair of Electrification of Industrial Enterprises), 150 copies (KL, No 1, 1959, 120)

MILLER, Georgiy Rudol'fovich; KONSTANTINOV, B.A., kand. tekhn. nauk, dots.,
retsensentu; SEMCHINOV, A.M., red.; ZHITNIKOVA, O.S., tekhn. red.

[Automatic control in industrial electric power supply systems]
Avtomatizatsiia v sistemakh elektrosnabzheniia promyshlennykh
predpriatii. Moskva, Gos. energ. izd-vo, 1961. 175 p.

(MIRA 14:8)

(Electric power distribution) (Automatic control)

MILLER, Georgiy Rudol'fovich, kand. tekhn. nauk; ROVDONIK, V.S.,
inzh., red.; FOMICHEV, A.G., red. izd-va; GVIRTS, V.L.,
tekhn. red.

[Automatic and remote control in the electric power distribu-
tion systems of industrial enterprises] Avtomatisatsiia i te-
lemekhanizatsiia v sistemakh elektroabzheniia promyshlen-
nykh predpriatii; obsor. Leningrad, 1962. 66 p.

(MIRA 16:3)

(Electric power distribution) (Automatic control)
(Remote control)

GOL'DGOF, Boris Grigor'yevich; LEYBZON, Yakov Izrailevich;
SOSKIN, Emil' Arturovich; MILLER, G.R., kand. tekhn. nauk,
retsenzent; SHELKOVNIKOV, N.I., inzh., retsenzent;
AVINOVITSKIY, I.Ya., red.:

[Automatic and remote control of the power supply networks
of industrial enterprises] Avtomatizatsiia i telemekhaniza-
tsiia energosnabzheniia promyshlennykh predpriatii. Mo-
skva, Izd-vo "Energiia," 1964. 279 p. (MIRA 17:5)

L 22593-66

ACC NR: AP6013000

SOURCE CODE: UR/0.05/65/000/006/0091/0091

AUTHOR: Bazdas, A. M.; Bol'sham, Ya. M.; Borcharinov, G. S.; Glasunov, A. A.; Zaleskiy, A. M.; Konstantinov, B. A.; Livshits, D. S.; Lychkovskiy, V. L.; Miller, G. B.; Petrov, I. I.; Pleskov, V. I.; Samover, M. L.; Syrosyatnikov, I. A.; Chilikin, M. G.

ORG: none

TITLE: Professor Yu. L. Mukoseyev (on the occasion of his 60th birthday)

SOURCE: Elektrichestvo, no. 6, 1965, 91

TOPIC TAGS: scientific personnel, electric power production

ABSTRACT: Professor Yuriy Leonidovich Mukoseyev, 60, chairman of the department "Elektrosnabzheniye promyshlennykh predpriyatiy i gorodov (Electrical Supply of Industrial Enterprises and Cities)" of the Gor'kovskiy politekhnicheskiy institut (Gor'kiy Polytechnic Institute) began his studies at the Gorkiy (Nizhegorod) University. After several years at the "Krasnoye Sormovo" plant he joined in 1935 the Glavelektromontazh system where in 27 years he advanced to the position of chief engineer of the Gorkiy section of the designing institute Elektroproyekt. In 1951 he published his book "Voprosy elektrosnabzheniya promyshlennykh predpriyatiy (Problems of Electrical Supply of Industrial Enterprises)"; in 1956 at the Moskovskiy energeti-

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UDC: 621.311

L 22593-66

ACC NR: AP6013000

cheskiy institut (Moscow Power Institute) he defended his thesis "Distribution of Alternating Currents in Current Conductors". He became professor in 1960. From 1939 he has been continuously the vice-president of the Gorkiy board of the Scientific-Engineering Society of Power Engineers (NTU energotikov). Recently, Yu. L. Mukoseyev participated in the work of the Uchebno-metodicheskaya komissiya MV (Pedagogical-Methodological Commission of the Ministry of Armament) and of the SSO [?] USSR for the Electrical Supply of Industrial Enterprises and of Cities." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUM DATE: none

Card 2/2 *HL*

MILLER, G.R., kand.tekhn.nauk

Problems of the reliability of electric power supply systems of
industrial enterprises. Prom. energ. 20 no.1:5-8 Ja '65.
(MIRA 18:4)

L 27947-66

ACC NR: AF6017709

SOURCE CODE: UR/0105/66/000/001/0086/0086

AUTHOR: Avilov-Karnaukhov, B. N.; Bol'sham, Ya. M.; Venikov, V. A.; Volobrinskiy, S. D.; Yermilov, A. A.; Konstantinov, B. A.; Knyazevskiy, B. Ye.; Minin, G. P.; Miller, G. B.; Mukoseyev, Yu. L.; Petrov, I. I.; Serbinovskiy, G. V.; Syromyatnikov, I. A.; Fedorov, A. A.; Kholmiskiy, G. V.; Shazalov, A. S.; Chilikin, M. G.

ORG: none

TITLE: Prof. Georgiy Mikhaylovich Kayalov (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric equipment

ABSTRACT: In 1929, G. M. Kayalov completed the electrotechnical department of the Mechanical Faculty of the Novocherkassk Polytechnical Institute. Until 1947, he worked in the planning department of the Rostov Division of the All-Union Electrotechnical Union. In this time, he rose to the position of Chief Engineer. He directed the planning of a large number of important pieces of electrical equipment for various projects. He was active in the postwar restoration of many important industrial enterprises. He is the author of almost 70 published works, and has made a great contribution to modern, scientifically based methods of design and analysis of electrical loads for industrial equipment. He is on a number of commissions and in many scientific and technical societies. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 BLG

UDC: 621.34

MILLER, G.V., starshiy prepodavatel'

Effect of the displacement of the fuel charge on the propagation of flame in combustion chambers of spark-ignition piston engines. Izv.vys.ucheb.zav.; mashinostr. no.5:94-103 '58.
(MIRA 12:5)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut.
(Gas and oil engines)

MILLER, G.Ya.; VLADYKIN, M.I.; SHESTAKOV, Yu.S.

Replacing running tests of high-capacity trailers by stand tests.
Avt.prom. 28 no.2:48 F '62. (MIRA 15:2)

1. Chelyabinskiy mashinostroitel'nyy zavod avtopritsepov i
Chelyabinskiy politekhnicheskiy institut.
(Truck trailers--Testing)

MILLER, G.Ya.; YACHIN, Yu.A.; SHEYNIN, P.D.

Heavy-duty tractor train. *Biul.tekh.-ekon.inform.Gos.nauch.-issl.*
inst.nauch.i tekh.inform. 17 no.1:83-85 '64. (MIRA 17:2)

MILLER, I. N.

USSR/General Division - Congresses. Sessions. Conferences.

A-4

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25741

Author : Miller, I.N., Mikheyeva, K.G.

Inst : State Research Institute for Eye Diseases Imeni Helmholtz

Title : The 18th Scientific Training Conference of the State
Research Institute for Eye Diseases Imeni Helmholtz (City
of Kazan', 9-12 May 1955)

Orig Pub : Sb. inform.-metod. materialov. Gos. n.-i. in-t glaznykh
bolezney, 1956, No 4, 169-176

Abst : Participating in this meeting were over 250 representati-
ves from various cities and towans in the Soviet Union.
The following problems were discussed: the etiopathogene-
sis of trachoma, new developments in the clinical treat-
ment and cure of persistent types of trachoma, and the
standardization of research procedures in the study of
the functions of the eye.

Card 1/1

KOROLYUK, V.D., kandidat istoricheskikh nauk; MILLER, I.S., kandidat istoricheskikh nauk.

Discussion of the work of Polish historians. Vestnik SSSR 26 no.5:
69-71 My '56. (MLRA 9:8)

(Poland--Historiography)

MILLER, I.Ye.

Organize zero-cycle operations in mine surface arrangement. Stalishakhtostroyeniye. no.5:12 by '59. (MIRA 19:7)

1. Trest Stalishakhtostroyeniye.
(Mining engineering)

MILLER, Jerzy

Aldosterone (electrocortin), a new adrenal cortex hormone.
Polski tygod. lek. 11 no.3:130-133 16 Jan 56.

1. Z Oddz. Chorob Wewnet. Inst. Grzylicy oraz i Zakladu
Chorob Wewnet. L.D. i S.K.L.; kier. prof. dr. A. Landau
i prof. dr. B. Wisniewski.

(ADRENAL CORTEX, hormones
aldosterone, review.

MILLER, J.

Correct grounding in mines. P. 324
PRZEGLAD CORNICZY. (Instytut Weglowy) Stalinograd.
Vol. 11, no. 9, Sept. 1955

SOURCE: REAL LC Vol. 5, no. 7, July 1956

MILLER, Jerzy, mgr inz.

Impressions from the Polish Exhibition of Electrical Engineering in
Mining. Wlad elektrotechn 18 no.2:25-32 P '58.

MILLER, Jerzy, mgr ins.

Break-down short-circuiters for mines. Wiad elektrotechn 28
no.10:309-311 0 '61.

MORDAWSKI, Jozef, mgr inz. MILLER, Jerzy, mgr inz.

Application of trace substances in testing rivers and sewage purification installations. Gosp wodna 23 no.2:91-93 F '63.

1. Zaklad Ochrony i Uzytkowania Wod, Lodz, Instytutu Gospodarki Wodnej Polskiej Akademii Nauk.

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MILLER, J.M.

ABLATION OF THE SPLEEN AND THE RETICULO-ENDOTHELIAL SYSTEM. F. Gobel and J. M. Miller. *Med. Dôseind-czina Spolecna* 22, 117-30 (in French 120-130) (1937).— A study of the effects of splenectomy on the function of the reticulo-endothelial system (r. e. s.) was carried out on 10-20-kg. dogs. The activity of the r. e. s. was established by detg. the rate of disappearance of Congo red (I) (administered in doses of 2 mg./kg. as a 1% soln. in isotonic NaCl) from the blood serum. The I content of the serum was detd. 2, 4, 6, 8, 30, 45, 60 and 90 min. after the injection of I. Splenectomy was performed under chloralose anesthesia and only dogs which showed a good normal recovery were used in the post-operative studies. Up to 10 days after the ablation the absorption of the dye from the serum by the r. e. s. is decreased; thereafter the absorption rate increases so that I is taken up from the blood stream more rapidly than in the normal animal. This increased activity is the result of a compensatory hypertrophy of other portions of the r. e. s.; definite hypertrophy is observed in the liver and lymphatic ganglia. C. T. Ichniowski

ASD-118 METALLURGICAL LITERATURE CLASSIFICATION

MILLER, Jozef Marek

True traumatic hydronephrosis. Polski tygod. lek. 12 no.3:
99-102 14 Jan 57.

1. (Z I Kliniki Chirurgicznej A.M. w Warszawie; kierownik:
prof. dr. med. T. Butkiewicz oraz z Oddziału chirurgicznego
szpitala CWOP w Warszawie; ordynator Jozef M. Miller). Adres:
Warszawa, ul. Prezydencka 10.

(HYDRONEPHROSIS, case reports
traum. (Pol))

MILLER, Jacek (Warszawa, ul. Nowogrodzka 59. I. Klin. Chirurgiczna)

Closed traumatic injuries of the kidneys. Polski tygod. lek. 13 no.41:
1578-1583 13 Oct 58.

1. (Z I Kliniki chirurgicznej. A.M. w Warszawie; kierownik: prof. dr med.
Tadeusz Butkiewicz).

(KIDNEYS, wds. & inj.
closed traum. inj. (Pol))

MILLER, Jozef Marek

Secreting insulomas of the pancreas. Pol. przegl. chir. 35
no.10/11:1086-1089 '63.

1. Z I Kliniki Chirurgicznej AM w Warszawie Kierownik: prof.
dr J. Nielubowicz.

(ISLET CELL TUMOR) (SURGERY, OPERATIVE)
(BLOOD SUGAR)

MILLER, Jozef

Rydygier's gastrectomy with vagotomy in the treatment of duodenal ulcer (antrectomy with vagotomy). Pol. tyg. lek. 19 no.10:338-342
2 Mr '64.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie
(kierownik: prof. dr. med. Jan Nielubowicz).

MILLER, K.

Z/059/62/000/003/005/007
D406/D301AUTHOR: Miller, Karel

TITLE: Mercury collector rings

PERIODICAL: Zpravodaj VZLU, no. 3, 1962, 112-114

TEXT: The CKD Works in Prague has developed a mercury collector ring for transmission of signals, generated by rotating deformation sensors (resistance strain gages) or thermoelements in turbine-rotor tests. These collector rings are very simple and dependable and have, according to preliminary tests, a service life of 50 hours with a measuring error, not exceeding 1%. The first tests were made with a mercury-filled plastic material casing and platinum-wire electrodes. To obtain constant immersion of both, stationary and rotating electrodes, the functions of rotor and stator were reversed, so that the casing rotated, while the wheel with the shaft stood still, and constant Hg-immersion of the electrodes was guaranteed by centrifugal forces, forming a Hg ring on the inner wall of the casing. This system was improved by rubber seals,

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Z/059/62/000/003/005/007
D406/D301

Mercury collector rings

avoiding Hg losses; however, the obtained results were still not satisfactory. A system was, therefore, adopted which is described in a German source (Ref. 1: Ch. Rohrbach: Novel Mercury Collector Ring for Measuring Purposes. VDI - Z, vol. 100, no. 22, pp. 1041-1045). It consists of a small casing, entirely filled with Hg (mercury-pearl) and a 2-mm ϕ shaft which is supported by two roller bearings and functions also as one contact. The shaft is made of platinum, and the casing is platinum-lined. This collector ring has excellent properties, i.e. small transition resistance, transition-voltage changes, interference voltage, and high insulation resistance between neighboring elements; however, it is very complicated to manufacture. The CKD Works adopted therefore a collector ring which is based on the latter system and previous experiments. The casing is of plastic material and has stationary electrodes of Pt wire. The shaft is made of amalgamated brass and rotates within the mercury "pearl". It is supported by ball bearings and sealed by a Teflon-foil. Best results, at speeds up to 36,000 rpm, are obtained with an a/c fed Brüel-Kjaer 1516 bridge. Several such elements can be aligned on free rotor ends into a

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Mercury collector rings

Z/059/62/000/003/005/007
D406/D301

series for multichannel transmission. The measuring error does not exceed 1%. There are 5 figures and 2 references. (Technical editor: Miroslav Zahradnik).

Card 3/3

MARKUS, G.O.; MILLER, K.O.; MUKHIN, I.A.

Experimental automation of the preliminary coal processing
in the Karaganda Central Coal Preparation Plant. Ugol' 37
no.6:43-48 Je '62. (MIRA 15:7)
(Karaganda Basin—Coal preparation plants)
(Automatic control)

DONIS, V.K.; MILLER, K.O.; TURTANOV, Yu.A.; KUTUKOV, E.Ye.

Transducer of the belt movement speed for electronic conveyor
scales. Nauch. trudy KNIUI no.15:108-111 '64.

(MIRA 18:8)

BA

MILLER, K.S.

A1-1
Mathematical Theory

Generalized Ideal Filter. L. A. Zadeh and K. S. Miller, *J. appl. Phys.*, 1952, 23, 221-228.—A filter N is said to be ideal if it can extract a set of signals s from the sum of s and some other set n . A direct consequence of this definition is that any ideal filter N (linear or nonlinear) is idempotent, i.e., is equivalent to a tandem combination of two filters each of which is identical with N . The converse, however, is true only in the case of linear filters. The basic properties of ideal filters are investigated by the use of function space techniques. By employing linear ideal filters, two (or more) simultaneously transmitted sets of signals which occupy overlapping frequency bands can be separated provided only the sets in question span disjoint manifolds in the signal space. C. B. NORTON.

Miller, L. (dir)

5

Country: Czechoslovakia

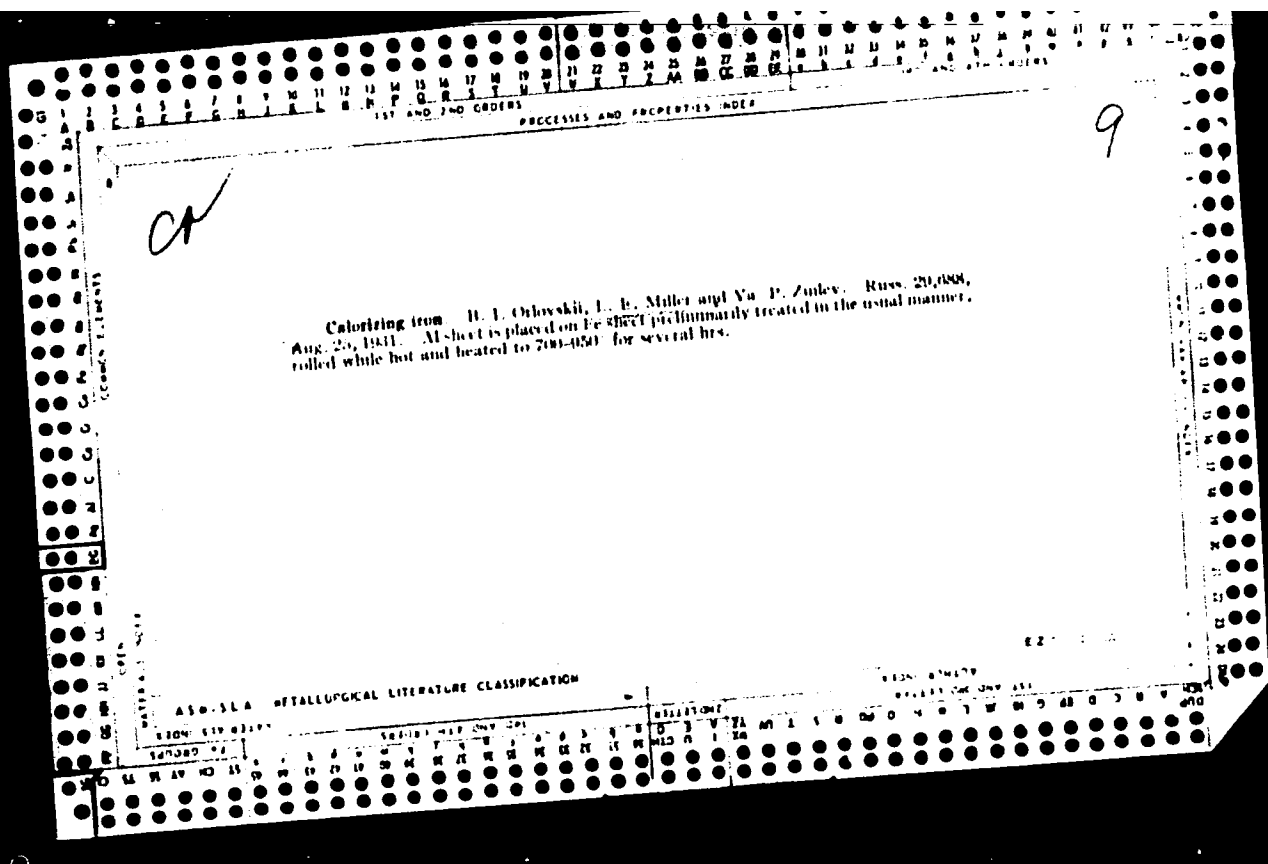
Academic Degree: MD

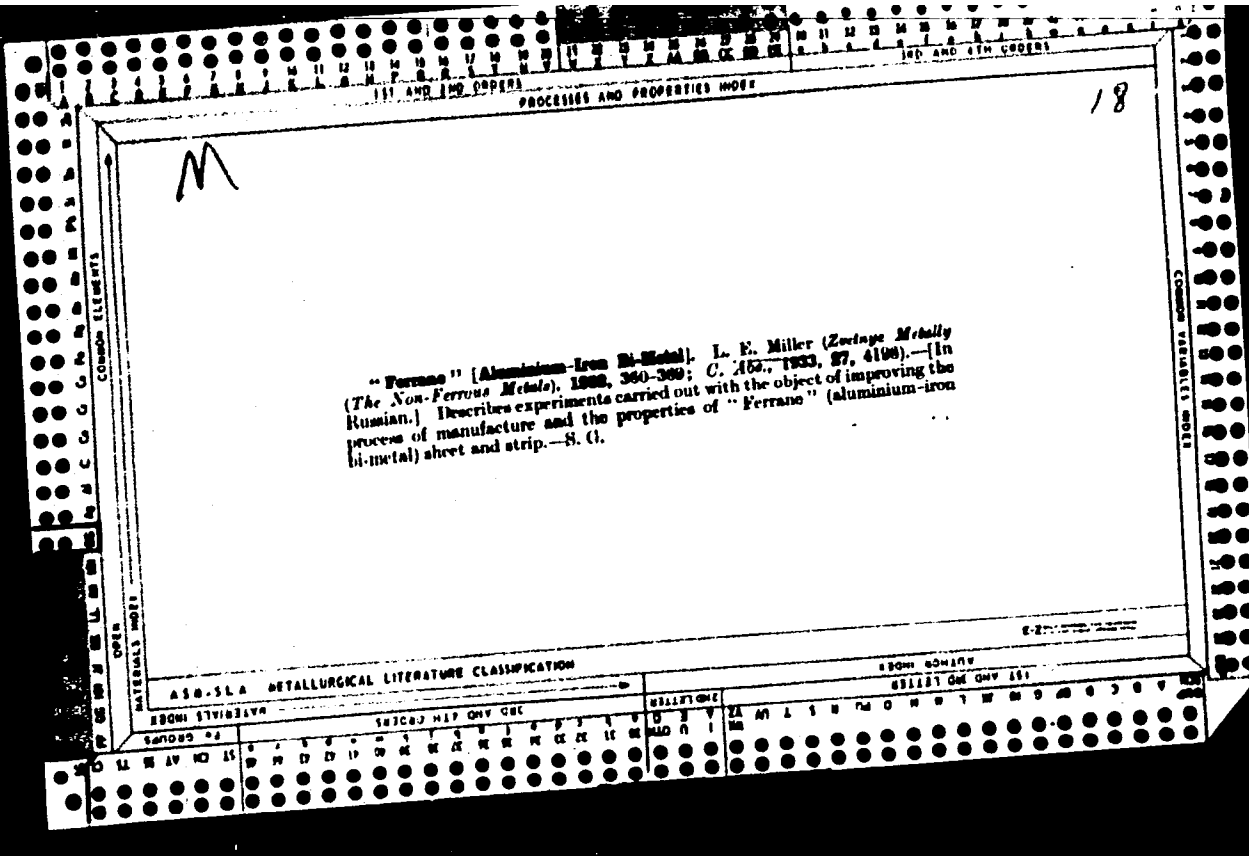
Affiliations:
and Institute of Social and Labor

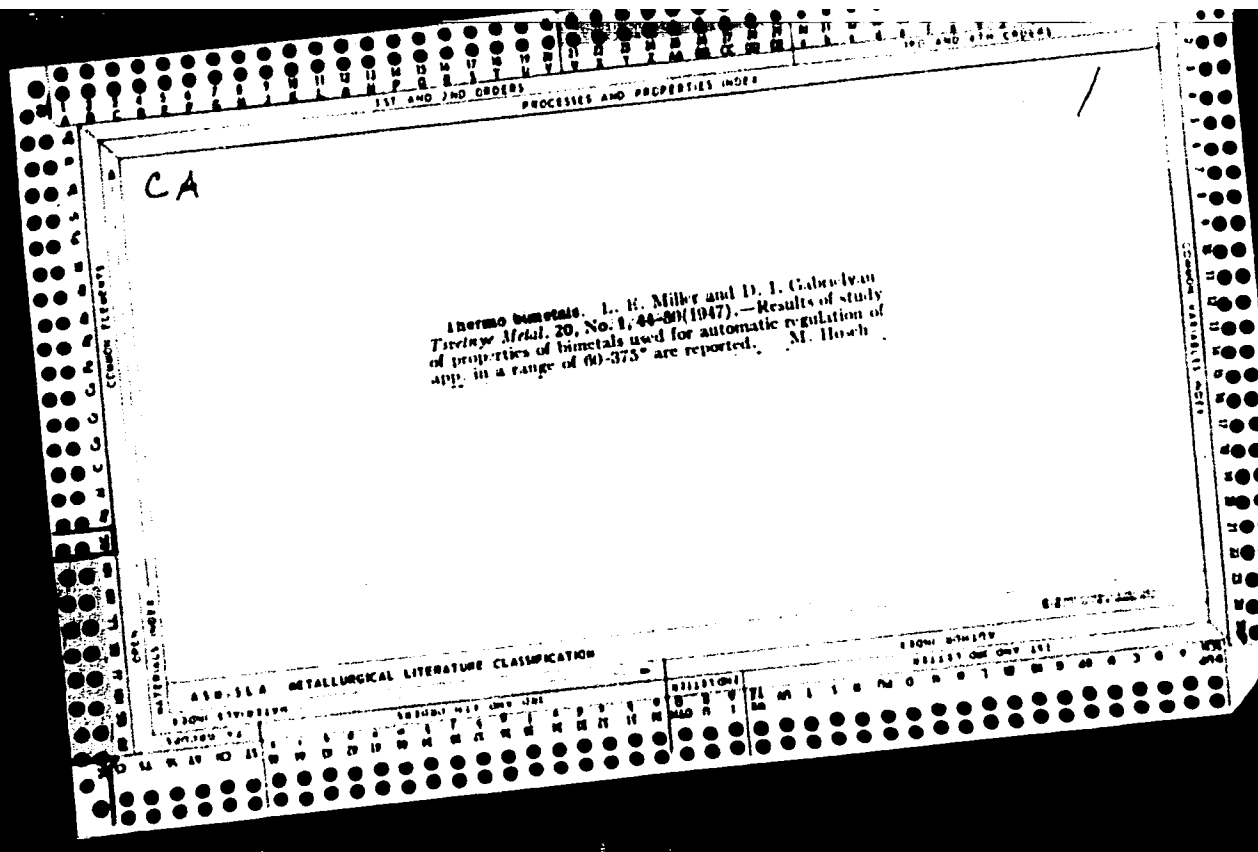
Source: Prague, Rozhledy v Odbornosti a v Humánních Vědách, No 5, May 61, p. 375

Date: Review of "Medical Statutes," by Dr K. CERNÝ, Dr J. BOUČEK, Dr L. MILLER, and Dr H. FIALA. Prague, 1960. State Medical Publishing House (Státní zdravotnická nakladatelství).

678 00143







Nov 52

MILLER, L.

USSR/Metallurgy - Nonferrous Metals, Conservation

"Experience in the Conservation of Nonferrous Metals in Manufacture," L. Miller,
Stalin Price Laureate
Za Ekon Materialov, No 4, pp 45-52

Discusses various measures for conservation of metals, mainly Cu and Zn, describing following in detail: diln of slag formed during Cu-refining process in reverberatory furnace by addn of open-hearth slag, which practice reduces Cu-content in slag from usual 45-50% to 18-20%; improvements in design of single-phase induction furnaces at "Krasnyy Vybrozhets" plant and melting practice with these furnaces; continuous casting of copper, brass, and bronzes; method of horizontal casting of large and heavy ingots into molds with very intensive heat removal underneath; recovery of Cu from pickling soln by electrochem method with nonsol anodes.

Source #264T57

MILLER, L. Ye.

ALBESHEV, M.S.; BELYAYEV, A.P.; BUGAREV, L.A.; BUTOMO, D.G.; VASIL'YEV, Z.V.;
VERIGIN, V.N.; VOROB'YEV, G.M.; GAYLIT, A.A.; GOL'SHTEYN, P.M.;
GOKHSHTEYN, M.B.; ZHOLOBOV, V.V.; ZEDIN, N.N.; IVANOV-SKOBLIKOV, N.I.;
KUTEPOV, Ya.V.; LANDIKHOV, A.D.; MARAYEV, S.Ye.; MILLER, L.Ye.;
OL'KHOV, M.P.; PERLIN, I.L.; POSTNIKOV, N.N.; ROZOV, M.N.; CHERNYAK, S.N.;
CHUPRAKOV, V.Ya.; TSEYTER, Ya.A.

Vladimir Oskarovich Gagen-Torn; obituary. TSvet.net, 27 no.5:67-68
S-O '54. (MIRA 10:10)

(Gagen-Torn, Vladimir Oskarovich, 1888-1954)

Miller, L. Ye.

ZHOLOBOV, Viktor Vladimirovich; BOGOYAVLENSKIY, Konstantin Nikolayevich;
ZUBTSOV, Mikhail Yefimovich; LANDIKHOV, Aleksandr Denisovich;
LEKARENKO, Yevgeniy Moiseyevich; POSTNIKOV, Nikolay Nikolayevich;
MILLER, L. Ye., inzhener, retsentsent; BAZHENOV, M. F., inzhener,
retsentsent; CHERNOV, A. N., redaktor; STARADUBTSOVA, S. N., redaktor;
ATTOPOVICH, M. K., tekhnicheskiy redaktor.

[Working non-ferrous metals and alloys by pressure] Obrabotka
tsvetnykh metallov i splavov davleniem. Moskva, Gos. nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 486 p.
(Non-ferrous metals--Metallurgy) (MLRA 8:12)

MILLER, L.

BIRYUKOV, A.; MILLER, L.

An institute working without sufficient output. Stroi. mat. isdel.
i konstr. 1 no.5:33-35 My'55. (MIRA 8:11)

1. Glavnyy inzhener tresta "Santekhpriber" (for Biryukov) 2. Nachal'-
nik tekhnicheskogo otdela (for Miller).
(Sanitary engineering)

MILLER, L.Ye.

AKIMOVA, K.I.; BAZHENOV, M.F.; BAKHVALOV, G.T.; BEZKLAJHENKO, N.P.; BERMAN, S.I.;
BOGDANOV, Ye.S.; BODYAKO, M.N.; BOYKO, B.B.; VINOGRADOV, S.V.;
GAGER-TORN, K.V.; GLEK, T.P.; GOREV, K.V.; GRADUSOV, P.I.; GUSHCHINA, T.N.;
YEMEL'YANOV, A.K.; YESIKOV, M.P.; ZDZYARSKIY, A.V.; ZAKHAROV, M.V.;
ZAKHAROVA, M.I.; KARGHEVSKIY, V.A.; KOMAROV, A.M.; KORZHENKO, O.T.;
LAYNER, V.I.; MAL'TSEV, M.V.; MILLER, L.Ye.; MILOVANOV, A.I.;
MIRONOV, S.S.; NIKONOROVA, N.A.; OL'KHOV, N.P.; OSIPOVA, T.V.;
OSOKIN, N.Ye.; PERLIN, I.L.; PLAKSIN, I.N.; PROKOF'YEV, A.D.;
RUMYANTSEV, M.V.; SEVERDENKO, V.P.; SEREDIN, P.I.; SMIRYAGIN, A.P.;
SPASSKIY, A.G.; TITOV, P.S.; TURKOVSKAYA, A.V.; SHAKHHAZAROV, A.K.;
SHPICHINITSKIY, Ye.S.; YURKSHTOVICH, N.A.; YUSHKOV, A.V.;
YANUSHVICH, L.V.

Sergei Ivanovich Gubkin. TSvet.met. 28 no.6:60-61 N-D '55. (MIRA 10:11)
(Gubkin, Sergei Ivanovich, 1898-1955)

ISTRIN, Mikhail Aleksandrovich; LEVITIN, Vul'f Khananovich; RUBINSHTEIN, Iosif Grigor'yevich; MILLER, Solomon Mikhaylovich; MILLER, L.Ye., kandidat tekhnicheskikh nauk, retsenzent; EBLOV, V.Ye., redaktor; CHERNOV, A.N., redaktor; ARKHANGEL'SKAYA, M.S., redaktor izdatel'stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Secondary nonferrous metals] Vterichnye tevetnye metally; spravochnik. Isd. 3-e, perer. i dop. Pod red. V.IA.Belova. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tevetnoi metallurgii. Pt.1. [Procurement and primary processing] Zagotovka i pervichnaya obrabotka. 1956. 558 p. (MIRA 9:7)
(Nonferrous metals)

MILLER, L. Ye.

CHERNYAK, Semen Natanovich, kand.tekhn.nauk; KARASEVICH, Viktor Ivanovich,
inzh.; POSTNIKOV, N.N., inzh., retsenzent; SANDLER, G.G., inzh.,
retsenzent; MILLER, L.Ye., red.; NIKONOROVA, N.A., red.;
EL'KIND, L.M., red.; KARASEV, A.I., tekhn.red.

[The manufacture of foil] Proizvodstvo fol'gi. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii.
1957. 271 p. (MIRA 11:1)

(Metal foils)

Miller, L. Ye.

PHASE I BOOK EXPLOITATION

175

AUTHOR: See Table of Contents

TITLE: Metallography and Processing of Nonferrous Metals and Their Alloys (Metallovedeniye i obrabotka tsvetnykh metallov i splavov) Collection of Articles (Sbornik statey)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo literatury po chernoy i tsvetnoy metallurgii, Moscow, 1957, 280 pp, 6000 copies

ORIG. AGENCY: None given

EDITORS: Editor-in-chief: Miller, L. Ye., Candidate of Technical Sciences; Editor: El'kind, L.M.; Tech. Ed.: Islent'yeva, P.G.

PURPOSE: This book is intended for metallurgists specializing in the metallography and processing of nonferrous metals and their alloys.

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Metallography and Processing of Nonferrous Metals and (Cont.) 175

COVERAGE: The book contains articles on the metallography, casting, rolling, extrusion, and drawing of heavy and light non-ferrous metals. The articles present the results of research on bronze of various types, manganese-nickel, "Alumel", solder, and aluminum and magnesium alloys. Subjects treated include hot working of alloys, behavior of addition agents in crystallization, the effect of rapid cooling during crystallization, the electrical properties of alloys, characteristics of low-speed casting, conditions for rolling beryllium bronze, and rolling of aluminum ingots without heating. The articles, which have not been previously published in technical journals, were prepared by scientists and production engineers. For references and further coverage, see Table of Contents.

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Metallography and Processing of Nonferrous Metals and (Cont.) 175

TABLE OF CONTENTS:

From the Editors 2

PART I. METALLOGRAPHY AND CASTING 3

A. Heavy Nonferrous Metals 3

Turkin, V.D. (deceased), and Fedorova, I.A. Effect of Silicon and Manganese on the Structure and Properties of Aluminum-iron Bronze 3

Turkin, V.D., and Timofeyeva, Z.N. An Investigation of Alloys of the Copper-aluminum-silicon system.

Preparation of alloys, microscopic and thermal analysis, microhardness of phases, mechanical properties, heat treatment are discussed. There are four Soviet references. 14

Card 3/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Persiyantsev, V.A. Candidate of Technical Sciences.
Technological Parameters in the Hot Working of Man-
ganese-nickel and "Alumel". 28

Plastic properties of the investigated alloys, as
related to temperature, type of deformation, and
rate of deformation are studied. There are 16
Soviet references 28

Persiyantsev, V.A. Determining Some Technological
Characteristics of the Hot Working of Manganese-
nickel and "Alumel".

The degree of deformation required to destroy the
cast structure is investigated. There are 9 Soviet
references 44

Card 4/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Pikunov, M.V. Behavior of Suspended Addition Agents
in Crystallization.

There are 8 references of which 7 are Soviet, 1 German. 55

Rossel's, N.O., Dubinskiy, S.A., Lakedemonskiy, A.V.,
Anopova, A.I., Khakimdzhanova, M.K. Effect of Small
Additions of Silver on the Properties of Lead-tin
Solders. 6

The authors state that laboratory tests made on auto-
mobile radiators soldered with lead-tin alloys with
addition of silver show that this type of solder does
not hold up well under impact and vibration.

Kaznachev, B.Ya., and Khogina, V.M. Effect of the
Manner of Alloy Electroplating With Nickel and Cobalt
on the Magnetic Properties of the Plate.

Card 5/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

The authors consider such factors as composition and acidity of electrolyte, temperature, coercive force, residual induction, current density, composition of anode, impurities in electrolyte, speed of cathode rotation, thickness of coating, etc. There are 10 references, of which 4 are Soviet and 6 English.

77

B. Light Nonferrous Metals

91

Moguchiy, L.N., Candidate of Technical Sciences. Kinetics of the Process of Homogenization of Magnesium Alloys.

91

The author concludes: 1) that cast magnesium alloys with aluminum and zinc additions have a highly nonhomogeneous structure; 2) raising the temperature results in a rapid increase in the rate of homogenization; 3) there is a parabolic relationship between time and the amount of diffused material. There are 3 Soviet references.

Card 6/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Krymov, V.V., Candidate of Technical Sciences,
Fedorova, V.K., Engr. Heat Treatment of Cast
Magnesium Alloys. 101

Tarantov, S.N., Senior Scientist, Candidate of
Technical Sciences, Kuzin, V.G., Aspirant, Engr.
Effect of temperature and speed of Flow on the
Structure of Extruded Bars of AMg Alloy. 121

There are 2 Soviet references.

Luzhnikov, L.P., Romanova, O.A. New Information
on the Role of Manganese in the Extrusion Effect in
Aluminum Alloys. 13

There are 3 references of which 1 is Soviet, and
2 German.

Card 7/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Fridlyander, I.N. Development of Liquation Overflows
in Continuously Cast Aluminum-alloy Ingots. 137

The author states that the overflows occur as a result
of secondary heating of peripheral layers of the in-
got affected by the air space between the ingot and
the crystallizer; this can be prevented by continuous
cooling of the ingot. There are 6 references of which
4 are Soviet, and 2 German. 137

Fridlyander, I.N., Suvorova, N.S. An Investigation
of the Effect of Rapid Cooling in the Crystallization
Process on the Electrical Properties of Alloys of the
Aluminum-manganese System. 151

There are 20 references of which 1 is Soviet, 9 Eng-
lish, 7 German, 1 French, 1 Italian, and 1 Japanese.

Card 8/11

Metallography and Processing of Nonferrous Metals and (Cont.)	175
Lyubeshkin, V.A., Andronov, V.P., Marenkov, Ye.A. The Application of Low-speed Casting.	169
There are 3 Soviet references.	
PART II. ROLLING	180
Berman, S.I. Rollability of Beryllium Bronze in the Hot Condition.	180
It is shown that nickel bronzes containing beryllium can be rolled most easily within a temperature range of 750-800°C. There are 7 Soviet references.	180
Kolpashnikov, A.I., Docent, Candidate of Technical Sciences, Ivanov, I. I., Candidate of Technical Sciences. An investigation of the Change in Struc- ture of Aluminum During the Rolling Process (Grain- recrystallization Method)	19

Card 9/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Livanov, V.A., Candidate of Technical Sciences,
Kolpashnikov, A.I., Ivanov, I.I. Rolling Aluminum
Ingots Without Heating. 203

PART III. EXTRUSION AND DRAWING 208

Butomo, D.G., Engr., and Zedin, N.I., Engr. An
Investigation of "Pipe" (Extrusion Defect) in Alloys
of the Types LS59 and L62. 208

The phenomenon, as observed in brasses of the indi-
cated types, is studied and described; no attempt is
made to ascertain the cause.

Rura, A.M., Candidate of Technical Sciences. Stand-
ardization of Die-hole Geometry and Procedures for
Stepwise Drilling of Diamond Die Holes, 225

There are 5 Soviet references.

Card 10/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

PART IV. THEORY OF CALCULATION OF DEFORMATION FORCES 250

Perlin, I.L. Determination of the Resultant Pressure of Metal on Tools in Plastic Deformation and a Clarification of Fink's Formula. 250

Perlin, I.L., Kochish, I., Candidate of Technical Sciences. Friction Stresses on the Side Surface of the Container in Extrusion of Aluminum-base Alloys.

There are 4 references of which 3 are Soviet and 1 Hungarian . 259

Zaikanov, V.N., Engr. The Problem of Water Hammer in Hydraulic-press Distribution Lines. 270

AVAILABLE: Library of Congress
Card 11/11

WB/lrb
June 2, 1958

Mille, L. Ye.

MILLE, L.Ye., kandidat tekhnicheskikh nauk.

"Secondary nonferrous metals" by V.M.Basilevskii and others.
TSvet.met. 30 no.8:82-83 Ag '57. (MIRA 10:10)
(Nonferrous metals--Metallurgy)
(Basilevskii, V.M.)

AZOS, S.; AREF'YEV, A.; ARTAMONOV, I.; BABINA, I.; BEREGOVSKIY, V.; BLOZHKO, V.;
 BRAVERMAN, A.; BYKHOVSKIY, Yu.; VINOGRADOVA, M.; GALANKINA, Ye.;
 GIL'DENBERG, F.; GLOBA, T.; GRINYER, N.; GORDON, G.; GUL'DIN, I.;
 GULYAYEVA, Ye.; GUSHCHINA, I.; DAVYDOVSKAYA, Ye.; DAMSKAYA, G.;
 DEREKACHEV, D.; YEVDOKIMOVA, A.; YEGUNOV, V.; ZABELYSHINSKIY, I.;
 ZAYDENBERG, B.; AZMOSHNIKOV, I.; ITKINA, S.; KARCHEVSKIY, V.;
 KLUSHIN, D.; KUVINOV, Ye.; KUZNETSOVA, G.; KURSHAKOV, I.;
 LAKERNIK, M.; LEYZEROVICH, G.; LISOVSKIY, D.; LOSKUTOV, F.;
 MALEVSKIY, Yu.; MASLYANITSKIY, I.; MAYANTS, A.; MILLER, L.;
 MITROPANOV, S.; MIKHAYLOV, A.; MYAKINENKOV, I.; NIKITINA, I.;
 NOVIN, R.; OGNEV, D.; OL'KHOV, N.; OSIPOVA, T.; OSTRONOV, M.;
 PAKHOMOVA, G.; PETKER, S.; FLAKSIN, I.; PLETENEVA, N.; POPOV, V.;
 PRESS, Yu.; PROKOF'YEVA, Ye.; PUCHKOV, S.; REZKOVA, F.; RUMYANTSSEV, M.;
 SAKHAROV, I.; SOBOL', S.; SPIVAKOV, Ya.; STRIGIN, I.; SPIRIDONOVA, V.;
 TIMKO, Ya.; TITOV, S.; TROITSKIY, A.; TOLOKONNIKOV, K.; TROPIMOVA, A.;
 FEDOROV, V.; CHIZHIKOV, D.; SHLYN, Ya.; YUKHTANOV, D.

Roman Lazarevich Veller; an obituary. Tsvet. met. 31 no.5:78-79
 (MIRA 11:6)
 My '58.

(Veller, Roman Lazarevich, 1897-1958)

SOV/136-59-7-11/20

AUTHOR: Miller, L.Ye., Candidate of Technical Sciences

TITLE: Thermobimetals and the Technology of Their Production

PERIODICAL: Tsvetnyye metally, 1959, Nr 7, pp 59-69 (USSR)

ABSTRACT: The author mentions the usefulness in temperature control of bimetal parts, one of the metals ("passive component") having a relatively low and the other ("active component") a high coefficient of expansion. He outlines the make-up and properties of the types used and gives a tabulation of Soviet State-Standard (GOST 5198-50) types (Table 1). Many non-standard types have been prepared and studied: their chemical composition and physical properties are shown in Table 2. In the USSR steel and nickel thermobimetals are usually produced by hot rolling; non-ferrous ones by casting one component on the other. The author gives details of production methods for the following thermobimetals: invar-nickel, invar-brass, invar-aluminum bronze and invar-beryllium bronze. The internal stresses in thermobimetals produced by the cold-rolling and

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SOV/136-59-7-11/20

Thermobimetals and the Technology of Their Production

machining processes which they generally undergo should be removed by suitable heat treatment, ("stabilization") and this has been investigated under the direction of A.N. Malenkovich, candidate of technical sciences. Stabilization temperatures of 275, 300 and 315°C were used for three thermobimetals (TB-2 (TB6), TB-3 (TBis) and B) the coefficient of sensitivity being determined after heating times of 1, 5 and 10 hours. Deformation vs temperature curves of an unstabilized bimetallic element (TB-2 (TB6)) on heating and cooling (Fig 1) did not coincide; somewhat better coincidence was obtained (Fig 2) after stabilization of 225°C; stabilization at 250°C gave complete coincidence (Fig 3). Malenkovich's experiments also showed (Fig 4) that the force developed the free end of a TB-3 (TBis) element at 100, 150 and 250°C reaches a maximum at a stabilization temperature of 200-250°C; the best stabilization conditions depend on the type of thermobimetal. Low-temperature (-25, -50°C) stabilization proved ineffective. The author urges closer liaison between those concerned in the production and use of thermobimetals and enumerates

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SOV/136-59-7-11/20

Thermobimetals and the Technology of Their Production

problems for solution in the next year or two: 1) production of elements with a high-sensitivity for operation from -80 to $+350-400^{\circ}\text{C}$; with a resistivity of $0.30 - 0.60$ and over $0.90 \text{ ohm. mm}^2/\text{m}$; consisting of three and more layers; 2) improvement in thermobimetal quality by more uniform bonding and strip dimensions and properties, and by improvement in temperature stabilization. There are 4 figures and 3 tables.

Card 3/3

MILLER, L.

Technical Conference on Secondary Nonferrous Metals. TSvet. met.
34 no.5:77-79 My '61. (MIRA 14:5)
(Nonferrous metal industries—Congresses)

BOGOYAVLENSKIY, Konstantin Nikolayevich; ZHALOBOV, Viktor
Vladimirovich; DERGACHEV, Vladimir Ivanovich; ZUBTSOV,
Mikhail Yefimovich; LANDIKHOV, Aleksandr Denisovich;
POSTNIKOV, Nikolay Nikolayevich; MILLER, L.Ye., red.;
EL'KIND, L.M., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Working nonferrous metals and alloys by pressure] Obra-
botka tsvetnykh metallov i splavov davleniem. [By] K.N.
Bogoiavlenskii i dr. Izd.2.; perer. i dop. Moskva, Me-
tallurgizdat, 1964. 564 p. (MIRA 17:3)

MILLER, M.

Maintenance at the drilling sites in prospecting for ore and its organization. p. 144. RUDY. (Ministerstvo hutního průmyslu a rudných dolů) Praha. Vol. 4, no. 5, May 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

ZAHACZEWSKI, Roman, dr. inz.; MILLER, Mieczyslaw, mgr inz.

Hydraulic coal transportation from mine X to electric plant K.
Przeegl gorn 20 no.10:Supplement:Biul glow inst gorn 14 no.2:
18-21 '63.

Nov 49

MILLER, M.

USSR/Physics - Wave Guides, Circular
Antennas

"Excitation of a Circular Wave Guide by an Annular Antenna," A. Gaponov-Grekhov, M. Miller
Physicotech Inst, Affiliate, Gor'kiy State U. 11 pp

"Zhur Tekh Fiz" Vol XIX, No 11

Introduces general formulas for the characteristic impedance of a thin transverse antenna in a wave guide. Considers a tuned annular antenna in a wave guide in detail. Gives formulas for radiation resistance and for reactance. Gives latter formula in the form of a series, the convergence of which is proved, thus showing the applicability of the theory of thin antennas to a lambda-ring in a circular wave guide and the possibility of tuning such a ring. Gives formulas for radiation resistance of a transverse half-wave dipole, and a graph of the radiation resistance of this dipole and a lambda-ring. Submitted 10 May 48.
PA 150T94

Translation - 2524467, 30 Apr 54

USSR/ Electronics - Antenna theory

FD-1044

Card 1/1 : Pub. 153 - 15/23

Author : Miller, M. A.

Title : Application of homogeneous boundary conditions in the theory of thin antennae

Periodical : Zhur. tekhn. fiz., 24, 1483-1495, Aug 1954

Abstract : Finds an unusual method for uniting the theory of metal and slit antennae on the example in which the electromagnetic oscillations of an anisotropic thin rod are solved. For certain values of the surface impedances type Z_1 and Z_2 they turn out to be essential even in the null approximation in χ . Taking of this influence into account is equivalent in a certain sense to the separation of the nonregular $G(I)$. In contrast to the loaded antennae the "impedance" antennae can in principle be nontuned (non-syntunized). Calculates a number of important characteristics of antennae and establishes the limits of applicability of the ordinary method of equivalent circuits. Seventeen references, 12 USSR, (e.g. A. V. Gaponov, M. L. Levin, 1954; A. A. Pistol'kors, 1948; A. I. Akhiezer, Ya. B. Feynberg, 1951, G. Ya. Lyubarskiy, 1951)

Institution : --

Submitted : 16 January 1954

MILLER, M.A., *OBEDKHOCTEV, V.M., BELOV, I.F.

"Measurement of Tension Distribution Along Slit Antennas" Uch. Zap, Gorkovsk.
Un-ta, 27, 1954, 135-149

The measuring equipment was similar to that used by Barzilai, G. (Proc. I.R.E., 37, 7, 1949,; Mortza, T., Proc. I.R.E., 38, 8, 1950). The measurements were carried out on tuned and out of tune slits on flat screens. In case of unloaded slits the effect of the source, a metallic vibrator, on the tension distribution along the slit was studied and the conditions at which the tension distribution is sinusoidal were established. The experimental graphs of distribution functions were in agreement with theoretical results for thin antennas. Some divergence was observed at the slit ends only. (RZhFiz, No 11, 1955)