

BOSH'YEV, G.

- L. Unfastening the side transmission bracket nuts of heavy tanks.
2. The rolling and bending of tubes. No 8.

Tankist, No 12, 1948.

BOSIACKI, K.

Types and Standardization of Stamping Machines for Shaping Sheet Metal in U.S.S.R.

Source - PRZEGLAD MECHANICZNY (Mechanical Engineering Review), Poland  
Vol. XII, No. 10 October 1953, pp. 339 - 370

BOSIACKI, K.

"Using automatic stamping machines in mass production of sheet steel parts." p. 80  
(Mechanik, Vol 25 No 2 Feb 53 Warszawa)

SO: Monthly List of East European Accessions. Vol 28 No 9 Library of Congress Sept 53 Uncl

BOSIAKI, K.

"Modern hydraulic presses for cold-pressing," *Mechanik*, Warszawa, Vol 27,  
No 1, Jan. 1954, p. 30.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

BOSIACKI, K.

"For More Extensive Metalwork", p. 42, (MECHANIK, Vol. 27, No. 2, Feb. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

BOSIACKI, K.

"Development of the Mechanization of Production Processes of Drop Forging and Press Forging in the USSR", p. 336, (MECHANIK, Vol. 27, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

BOSIACKI, K.

"Kucie matrycowe na młotach" (Die-forging), by K. Bosiacki. Reported in New Books (Nowe Książki), No. 11, June 1, 1956.

BOSIACKI, K.

Stamping metal elements by forging machines equipped with a crank throw. p. 16. MECHANIK, Warazawa. Vol. 28, no. 1, Jan. 1955.

SOURCE:

East European Accession List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956.



BOSIACKI, K.

Tin containers. P. 78 MECHANIK Warszawa (Stowarzyszenie  
Inzierow i techikow Polskich) Vol. 28, no. 2, February 1955

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

BOSIACKI, K.

Pressure-forming machines at the Leipzig Fair. p.301.  
MECHANIK (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich) Warszawa  
Vol. 28, no. 8, Aug. 1955

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September 1956

BOSIACKI, K.

Perspectives of the development of machine manufacture and pressure-using equipment for forming metals. p.365.

MECHANIK. (Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich)  
Warszawa, Poland. Vol.28, no.10, Oct. 1955.

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Uncl.

POSLICKI, K.

National Conference on Tools and Grinding Materials. p. 405

MECHANIK vol. 28, no. 11, Nov. 1955

Poland

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

Distr: 4E2o/4E2b(w)

5477

621.733.004

• Boslacki K. Hammer Die Forging.

„Kucie matrycowe na mlotach”. Warszawa, 1956, PWT, 16°, 326 pp., 277 figs., 58 tabs.

Fundamental materials used in die forging and methods of checking forgings; principles of working out technological processes, dies, punches and devices used in die forging.

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B  
2

BCSIACKI, K.

What will be the prospective machinery for the production of forging drops, the forging press with a Maksi eccentric roller of the forging hammer? p. 142. (Mechanik, Vol. 29, No. 4, Apr 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

BOSIACKI, K.

Achievements of the Polish machine-tools manufacturing industry. p. 246.

MECHANIK. Warszawa, Poland. Vol. 12, nos. 1-2, 7-9, 12; Jan.-Feb., July-Sept.,  
Dec. 1957.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.  
Uncl.

POL/39-25-11-25/26

25(0)  
AUTHOR:

Bosiacki, K.

TITLE: Conference on Plastic Cold-Working of Metals (Konferencja dotycząca przeróbki plastycznej metali zimno)

PERIODICAL: Hutnik, 1958, Vol 25, Nr 11-12, pp 523-524 (Poland)

ABSTRACT: The conference was convened on September 11 to 13, 1958, by the Czechoslovak Scientific and Technical Association of Mechanics at the Czechoslovak Academy of Sciences (Brno branch, Technology of Mechanical Engineering group) in cooperation with the B.Szmeral Machine Building and Foundry Works and the Institute of Plastic Working in Brno. The conference, in which also representatives of the Polish Mechanical Engineers' Association and of the East German Chamber of Technics took part, heard the following reports:  
(1) E.Skrabal, "The Present State and the Prospects of the Practical Application of Plastic Cold-Working in Czechoslovakia and Abroad"; (2) A.Farik, "Experimental Determination of Residual Stress after Plastic

Card 1/2



POL/39-25-11-25/26

Conference on Plastic Cold-Working of Metals

Cold-Working"; (3) K.Styblo, "Cold Rolling (Theory and Modern Methods)"; (4) O.Modracek, "Interdependence between the Properties of Steels after Plastic Cold-Working and Their Machinability"; (5) F.Hrazdil, "Influence of Speed on Deformation Forces in Cold Drawing and Energetic Measurements of Transformation of Mechanical Energy into Heat"; (6) J.Obdrzalek, "The Pressing of Steel Parts with Passage Outlet"; (7) J.Hugo and M. Vanek, "Use of Plastics for Manufacture of Tools on Deep-Drawing Presses"; (8) J.Bradik, "Aluminum Bronze on Drawing Tools"; (9) F.Konecny, "Radial Pressing"; (10) E.Engelhardt, "Deformation Mechanism of Molecular Lattice"; (11) F.Tychowski, "Studies of Theory of Plastic Deformations"; (12) Z.Marcianiak, "Determination of Changes in Deformation Patterns during Plastic Deformations"; (13) K.Bosiacki, "Trends in the Development of Automation in the Die-Stamping of Sheet-Metal Products, and Production of Automatic Appliances in Poland."

Card 2/2

BOSIACKI, K.

Development of the production of metal-forming machinery in Poland.  
p. 677.

PRZEGLĄD MECHANICZNY. (Stowarzyszenie Inżynierów i Techników Mechaników  
Polskich) Warszawa, Poland. Vol. 18, no. 21, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no.2, Feb. 1959.  
Uncl.

BOSIACKI, K.

TECHNOLOGY

PERIODICAL: MECHANIK, Vol. 31, No. 7, July 1959

BOSIACKI, K. Ten years of the Central Office of Hammer and Press Construction. p. 365.

Monthly List of East European Accessions (KEAI) Lc Vol. 8, No. 4  
April 1959, Unclass.

BOSIACKI, K.

Progress in the design and production of metal-forming machine tools. p. 219.

MECHANIK. Warszawa, Poland. Vol. 32, no. 5, May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960.  
Uncl.

BOSIACKI, K.

The development of new methods of metal forming as recommended by  
the 1st Polish Conference on Metal Forming. p. 611

MECHANIK Warszawa, Poland Vol 32, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2,  
Feb. 1960  
Uncl.

P/039/60/000/011/001/002  
A221/A026

AUTHOR: Bosiacki, Kazimierz, Master of Engineering (Warsaw)

TITLE: Smith- and Die Forging Power-Hammers, Made in Poland

PERIODICAL: Hutnik, 1960, No. 11, pp. 418 - 424

TEXT: In this article the author describes Polish made power hammers, which are either fabricated in series or manufactured as prototypes in preparation for series production at a later date. In describing certain types of newly designed hammers, he pays particular attention to improvements. Fabrication of obsolete, pre-WW II types of power hammers, was given up in 1955. They were replaced by a series of new, up-to-date forging hammers, designed by the Centralne Biuro Konstrukcyjne Pras i Mlotow (Central Designing Office for Presses and Hammers) in Warsaw. Several of those hammers are already being series-fabricated by four plants, each of them specializing in one certain type. 1) - The Elblaska Fabryka Maszyn Kuziennych "EFUK" (Forging Machines Plant) in Elblag, manufactures compressed-air and steam double acting forging hammers of combined ram and piston rod drop weight up to 1,000 kg; 2) - The Huta "Stalowa Wola" (Metallurgical Plant) in Stalowa Wola, manufactures compressed-air power forging hammer of combined

Card 1/9

P/039/60/000/011/001/002

Smith- and Die Forging Power-Hammers, Made in Poland A221/A026

drop weight of 1,000kg; 3) The Kuźnia "Ustroń" (Forge) in Ustroń, near Cieszyn, manufactures the board drop hammer for die forging, of combined drop weight of 750 kg; 4) The Huta "Zygmunt" (Metallurgical Plant) in Bytom, manufactures steam double-acting power hammers for die-forging, of combined drop weights of 1,000 - 12,500 kg. Altogether there are nine types of hammers for smith forging and sixteen types of power hammers for die-forging. The program for their production in 1961 - 1965 is outlined in Table 1. This assortment of power hammers will satisfy the demand of Polish old and new forgeries and of growing metallurgical and machine building industries. Further, the author describes some technical characteristics of hammers mentioned in Table 1. A) - Smith forging hammers comprise two main groups: a) high-speed pneumatic hammers for smaller forgeries, b) steam-powered double-acting power hammers for large forgeries. Characteristics of high-speed pneumatic hammers for smith forging are given in Table 2. The "EFUK" plant in Elbląg, specializing in this sort of hammers, fabricates now the types: MS 60, MS 100, MS 160 and MS 250. In 1960, the prototype of hammer MS 400 was built and another prototype MS 630 will be built in 1961. The next heavier hammer type MS 1,000 is being fabricated at the Metallurgical Plant "Stalowa Wola". All these hammers of a rated combined drop weight up to 250 kg, have many common details and apart from continuous blows, they can be operated with single blows

Card 2/9

P/039/60/000/011/001/002

Smith and Die Forging Power-Hammers, Made in Poland A221/A026

as well. Their bodies are cast as one solid block including compressor and hammer cylinders. By this the rigidity of the whole hammer and forging accuracy are greatly increased. In order to reduce air leakage, labyrinth packing and two seal rings are applied to the ram- and piston shafts. Only one type of steam-powered double-acting hammer for smith forging the MPK 3,000 is being fabricated. Its design is based on a similar USSR hammer, but with several modifications. Contrary to Russian design, the valve chamber of same is placed in the lower part of the cylinder casing and is cast in one block with the cylinder and the traverse. By placing the valve chamber on the lower level, good drainage of condensed steam from the cylinder is secured. Accumulation of condensate in cylinders often leads to major damages or even to bursting of same. B) Power hammers for die-forging: it is expected that within next five years the requirement for die-forgings will more than double and therefore the number of die-forging hammers will have to be increased to the level shown in the second part of Table 1; their characteristics are shown in Table 3. a) Double-acting thick-shaft hammers for die-forging types MPM 1,000, MPM 2,000 and MPM 3,000 are now built in series at the Huta "Zygmunt" (Metallurgical Plant) in Bytom, and the documentation for a hammer type MPM 5,000 is already available at this plant; fabrication of hammer type MPM 8,000 is scheduled for a later date. The smallest hammer of a similar type, the MPM 500, is serially produced at the "EFUK" Plant in Elbląg. All these hammers are char-  
Card 3/9



P/039/60/000/011/001/002

Smith- and Die Forging Power-Hammers, Made in Poland A221/A026

acterized by a far-reaching uniformity of design. As an example the author describes the double-acting power hammer for die-forging MPM 3,000, of combined ram and piston rod drop weight of 3,000kg. Its main feature is the fact that the hollow thick shaft and the piston are made as one forging. The columns are of cast steel, fastened in such a way to the anvil block that an easy access to the die base is given. The traverse, the cylinder and the valve chamber are cast as one block, thus forming a very rigid structure with a high moment of inertia. Very accurate regulation of steam is achieved by two cylindrical, loaded slide valves. Owing to the rigidity of the ram guiding, thick-shaft hammers are particularly suited for making multi-cavity forgings. b) Ultra-heavy, double-acting shaft hammers of normal thickness are in principle of similar design as the thick-shaft hammers, but because of technical difficulties in obtaining such a heavy, uniform, hollow shaft forging, the normal type of shaft has to be used. Such a hammer type MPM 10,000 of combined drop weight of 12,000 kg is being built in the Huta "Zygmunt" for the forge at the "Ursus" Plant in Ursus, near Warsaw. Its prototype has already been in service for several years in the Zakłady Metalowe "Fabedy" being used for forging heavy crankshafts. Another ultra-heavy hammer type MPM 20,000 and an impact force of 45,000 kg is being designed for the same plant. c) Double-acting belt driven hammers are based on similar types manufac-

Card 4/9

P/039/60/000/011/001/002

Smith- and Die Forging Power-Hammers, Made in Poland A221/A026

tured by the Italian firm "Ansaldo", but are not popular in Poland, because of frequent breakdowns. d) Pneumatic forging hammers. Prototype of such a hammer type MSM 250, of combined drop weight of 250 kg, based on experience gained with steam-powered hammers built at the "ZFUK" plant in Elblag, is being worked out by the Central Designing Office for Presses and Hammers in Warsaw. If successful, it will become a standard type for similar hammers of 100 - 400 kg combined drop weight. e) Electro-mechanically or electro-hydraulically driven drop hammers are very efficient and fast, allowing for as much as 80 blows per minute. They can be very useful because they can easily be program controlled. Power hammers of this type are not manufactured in Poland yet. There are 3 photos, 3 tables and 3 mechanical engineering drawings.

Card 5/9

P/035/60/000/022/002/003  
A076/A126

AUTHOR: Bosiacki, Kazimierz, Master of Engineering, Director  
TITLE: Home production of automated attachments for metal forming machines  
PERIODICAL: Przegląd Mechaniczny, no. 22, 1960, 675 - 678

TEXT: During the last few years the Zjednoczenie Przemysłu Obrabiarkowego ZPO (Cooperative of Machine Tool Industry, ZPO) focused special attention on the production of automated attachments for metal pressing machines. Directives issued during the IVth and Vth Plenary Session of the KC PZPR, called for a production increase which, according to experts, can be achieved only by mechanization and automation. During the 29th International Poznań Fair, three eccentric automated presses Type PMP 16, PMP 10 and PMS 2.5 were demonstrated to the satisfaction of party members. In regard of national directives concerning automation, the author describes a number of automated attachments for eccentric presses. Production of this equipment will be started at the Fabryka Pras (Presses Plant) in Częstochowa during 1960 - 1962. The design of automated attachments was closely con-

Card 1/3

P/035/60/000/022/002/003  
A076/A126

Home production of automated attachments...

ected with scientific tests and experimental designs made by the Warsztat Doświadczalny Centralnego Biura Konstrukcji Pras i Młotów CBKPiM (Experimental Workshop of the Central Designing Office for Presses and Hammers, CBKPiM). The eccentric lever press with a pressure of 1 to 6.3 t automatically rolls out metal sheet and feeds it into the press. A cutting-tool is mounted on the pressing piston. Presses with a pressure from 10 to 16 t are equipped with automated folding and unfolding drum, straightening machine, and feeder. Eccentric presses with 100 to 160 t will be equipped with automated folding and unfolding drum, feeder, straightening machine Type OUP 250 and cutting-tool Type OOA 250. Fly-wheel presses with 63, 100 and 160 t pressure, which will be designed by the CBKPiM during 1960 - 61, will be equipped with automated drum-type feeder, folding and unfolding drum, straightening machine and cutting-tool. Fly-wheel press Type PKrR 200/2, with stroke variable from 160 to 315 mm and stamping pressure of 200 t, was designed by the CBKPiM and production will start during 1962 by the Zakład Urządzeń Technicznych (Technical Equipment Plant) in Elbląg. This type of press will also be equipped with automated feeding drum. It is planned to start production of automated feeders and universal capstan tables Type OSR 40. There are

Card 2/3

Home production of automated attachments...

P/035/60/000/022/002/003  
A076/A126

5 figures, 2 photos, and 1 table.

ASSOCIATION: Centralne Biuro Konstrukcji Pras i Młotów, Warszawa (Central  
Designing Office for Presses and Hammers, Warsaw)

Card 3/3

BOSIACKI, Kazimierz, Mgr.inz.

New high-performance metal cutting machines for the automobile industry. Tech motor 11 no.12:433-436 D '61.

BOSIACKI, Kazimierz, mgr. ins.

Polish machines for the plastic treatment of metals. Mechanik  
35 no.5:232-239 My '62.

1. Central Bureau for the Design of Presses and Hammers, Warsaw.

BOSIACKI, K., mgr ins.

Development of the forging industry and changes in the structure  
of the forging shop in the U.S.S.R. during the years 1960-1980.  
Mechanik 35 no.10:556-558 D '62.



BOSIACKI, Kazimierz, mgr inż.

Elimination of heat treatment of heavy machine bodies welded of thick sheets. Przegl mech 21 no.21:666-668 N '62.

1. Centralne Biuro Konstrukcji Pras i Mlotow, Warszawa.

BOSIACKI, K., mgr ins.

Third Plastic Working Conference on Machinery and Equipment for  
Forge and Stamping Plants. Hutnik P 29 no.4:157-158 Ap '62.

BOSIACKI, K., mgr inz.

Prospective forging production of the U.S.S.R. Hutnik P 29 no.10:  
383-385 0 '62.

BOSIACKI, K., mgr inz.

Electromagnetic installations feeding the band in mechanical presses.  
Mechanik 35 no.11:616-618, N '62.

BOSIACKI, Kazimierz, mgr inż.

Reduction of weight requirements in machine designing as a prerequisite for metal economy. Przegł mech 22 no.4:120-123 25 F '63.

1. Centralne Biuro Konstrukcyjne Pras i Młotow, Warszawa.

BCSIACKI, K., mgr inz.

Electric heating in die forge shops; National Polish Scientific and Technological Conference of the Association of Polish Mechanical Engineers and Technicians, Warsaw Jan.31, 1963. Techn motor 13 no.8:278 Ag'63.

BOSIACKI, K., mgr inz.

Most recent information on the production of thin metal sheets,  
anticorrosive coatings from plastics, and tool management in  
stamping plants. Techn motor 13 no.9:314-315 S'63.

BOSIACKI, Kazimierz, mgr. inż.

Ways of assembling heavy machinery. Przegl. mech. 22 no.20:  
631-634 25 0'63.

1. Zjednoczenie Przemysłu Obrabiarek i Narzędzi, Warszawa.



BOŚIĄCKI, K.

Most recent information on the production of thin metal sheets, anticorrosive plastic coatings and tool management in pressing plants. Hutnik P 30 no. 7/8:276 J1/Ag'63.

BOSIACKI, K., mgr inz.

Comparison of the accuracy standards for die steel forgings of capitalist countries, the U.S.S.R., and countries of the People's Democracies. Hutnik P 30 no. 11: 377-380 N '63.

BOSIACKI, Kazimierz, mgr inż.

Survey of defects of machines for plastic working and suggestions  
for improving their operation. Przegl mech 23 no. 5:147-149  
10 Mr '64.

1. Centralne Biuro Konstrukcji Pras i Mlotow, Warszawa, i  
Zjednoczenie Przemyslu Obrabiarek i Narzedzi, Warszawa.

BOSIACKI, K., mgr inz.

Trends in metal saving in design and technology of automobile  
construction. Techn motor 14 no. 5:160-161 My '64.

BOSIACKI, K., mgr inz.

Soviet experiences in the application of incompletely fused  
brake and coupling linings. Techn motor 14 no.11:354-355  
N '64.

BOSIACKI, Kazimierz, mgr inż.

Achievements and development of the central offices of design of machines for plastic working of metals. Mechanik 34 no.9:439-445 '61.

1. Centralne Biuro Konstrukcyjne Pras i Mlotow, Warszawa.

BOSIACKI, K.

Steer-pneumatic die hammer with type MPM 2000A heavy red. Mechanik 34  
no.9:472 '61.

BCSIACKI, K., mgr. inz.

Research on vibratory metal deformation in a half-open die.  
Mechanik 35 no.8:456 Ag '62.



BOSIAN, O.; GHEORGHIU, N.

Experimental determination of the modulus of elasticity on the bending and stretching of the v-belts manufactured in Rumania.  
Bul St si Tehn Tim 7:101-114 '62.

POP, Emil, acad.; SORAN, Viorel; VINTILA, Rozalia; BOSICA, Ioan;  
STIRBAN, Mircea

Effect of continuous treatment with D-glucose on the proto-  
plasmic streaming. Pt. 2. Studii cerc biol s. bot 16 no. 2:  
81-89 '64.

1. Center of Biological Research, Section of Plant Physiology,  
Laboratory of Cytophysiology, Growth, and Development, Rumanian  
Academy, Cluj Branch.

RUMANIA / Chemical Technology, Chemical Products and Their  
Application. Chemical Processing of Solid Fossil Fuels.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16799

Author : Reichel, I.; Warth, E.; Bosica, S.

Inst : Not given

Title : Separation of Raw Anthracene in the Refining of the  
Vasinov (RDR) Coal

Orig Pub : Studii si cercetari stint. Acad. RFR. Baza Timisoara.  
Ser. stinte chim., 1957, 4, No 3-4, 65-72

Abstract : A laboratory method was developed for the refining of  
raw anthracene (A). The method is based on the consecutive  
extraction of raw material (26% A) with solvent naphtha  
with an attainment of 52% A, followed by the acetone  
extraction (with the yield of 80% A), and finally with  
the solvent naphtha extraction that yields a 93% A. All  
of the above extraction steps were conducted at elevated

Card 1/2

H-72

RUM/3-59-8-7/32

5(1), 15(8)  
AUTHOR:

Bosică, S., Engineer

TITLE:

The Plant for "Relon"<sup>12</sup> Polyamide Fiber

PERIODICAL:

Revista de chimie, 1959, Nr 8, pp 451-455 (Rumania)

ABSTRACT:

The author begins with some general considerations on the chemistry of synthetic fibers, - nylon 66, 610, 11, perlon (GDR), kapron (USSR), nylon (USA), nylon BNS (Britain) grillon (Switzerland), encalon (Netherlands), rilsan (France), silon (Czechoslovakia) steelon (Poland). In Rumania, the first plant for the production of synthetic fibers, built in accordance with the second Five-Year Plan, is the plant of Săvinesti, which produces synthetic fiber nylon 6 based on ε-caprolactame, called "relon". The development of the Rumanian polyamidic fiber industry was influenced by the conditions of raw materials existing in Rumanian and the possibilities of supplies of equipment on the European market. A second chapter of the paper is dedicated to a description of the technological process, the preparation of the monomer and polymer, and of

Card 1/2

RUM/3-59-8-7/32

The Plant for "Relon" Polyamide Fiber

the threading section. The sorts of fibers produced are of 15-200 den with fibers of 3-5 den. The third section deals with a description of the equipment. A final fourth section gives some details on the plant's sections. For example, the lactame "body" is a building composed of three main parts: the hydrogenation and dehydrogenation part in open air; the installations of oxylation, transposition, neutralization, distillatin; and the hydrogen compressor's room. In 1959, production will amount to 1,000 metric tons of synthetic fiber. There are 4 photographs and 2 diagrams.

Card 2/2

BOSIK, I.I.; VOROB'YEVA, O.I.; NOVOSELOVA, A.V.

System  $\text{Li}_2\text{SO}_4 - \text{BeSO}_4 - \text{H}_2\text{O}$  at  $25^\circ$ . Zhur.neorg.khim. 5  
no:5:1157-1162 My '60. (MIRA 13:7)  
(Lithium sulfate) (Beryllium sulfate)

BOSIK, I.I.; VOROB'YEVA, O.I.; NOVOSILOVA, A.V.

Fusibility in the system  $\text{Li}_2\text{SO}_4 - \text{BeSO}_4 - \text{H}_2\text{O}$  at  $75^\circ$ . Zhur.  
neorg.khim. 5 no.5:1174-1175 My '60. (MIRA 13:7)  
(Lithium sulfate) (Beryllium sulfate)

BOSIK, I.I.; NOVOSELOVA, A.V.; SIMANOV, Yu.P.

Study of the system  $\text{Li}_2\text{SO}_4 - \text{BeSO}_4$ . Zhur.neorg.khim. 6 no.11:2563-  
2567 '61. (MIRA 14:10)  
(Lithium sulfate) (Beryllium sulfate)



KITAYGORODSKAYA, O.D., professor; KUPFER, S.G.; BOSIK, R.N.; GEL'MAN, A.S.;  
ROZANOVA, A.M.; KREDEL', A.S.

Use of diathermia in the compound therapy of pneumonia in children.  
Pediatrics 39 no.1:74-75 Ja-Y '56. (MLRA 10:1)

(PNEUMONIA, ther.

diathermy, in child.)

(DIATHERMY, in various dis.

pneumonia in child.)

TUROVA, F.D.; BOTUNOVA, L.M.; BOSIK, R.N.; DEMCHENKO, M.P.; VOL'MAN, I.B.

Care of convalescents following pneumonia. *Pediatryia* 38 no. 3:72-75  
Mr '60. (MIRA 14:1)

(PNEUMONIA)

BOSIKASHVILI, A. Sh.

BOSIKASHVILI, A. Sh.: "The problem of leveling irrigated land under the conditions of Georgia." Published by the Acad Sci Georgian SSR. Min Water Economy Georgian SSR. Georgian Sci Res Inst of Hydraulic Engineering and Soil Improvement (GruzNIIGiM). Tbilisi, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences)

Source: Knizhnaya letopis' No. 28 1956 Moscow

ORDYNETS, R.N.; BOSIKOVA, H.Ya.

Nitrogen, calcium, and phosphorus metabolism in heifer calves during the preweaning period in connection with a varied dietary program. Izv.Otd.est.nauk AN Tadzh.SSR no.11:137-145 '55. (MLMA 9:10)

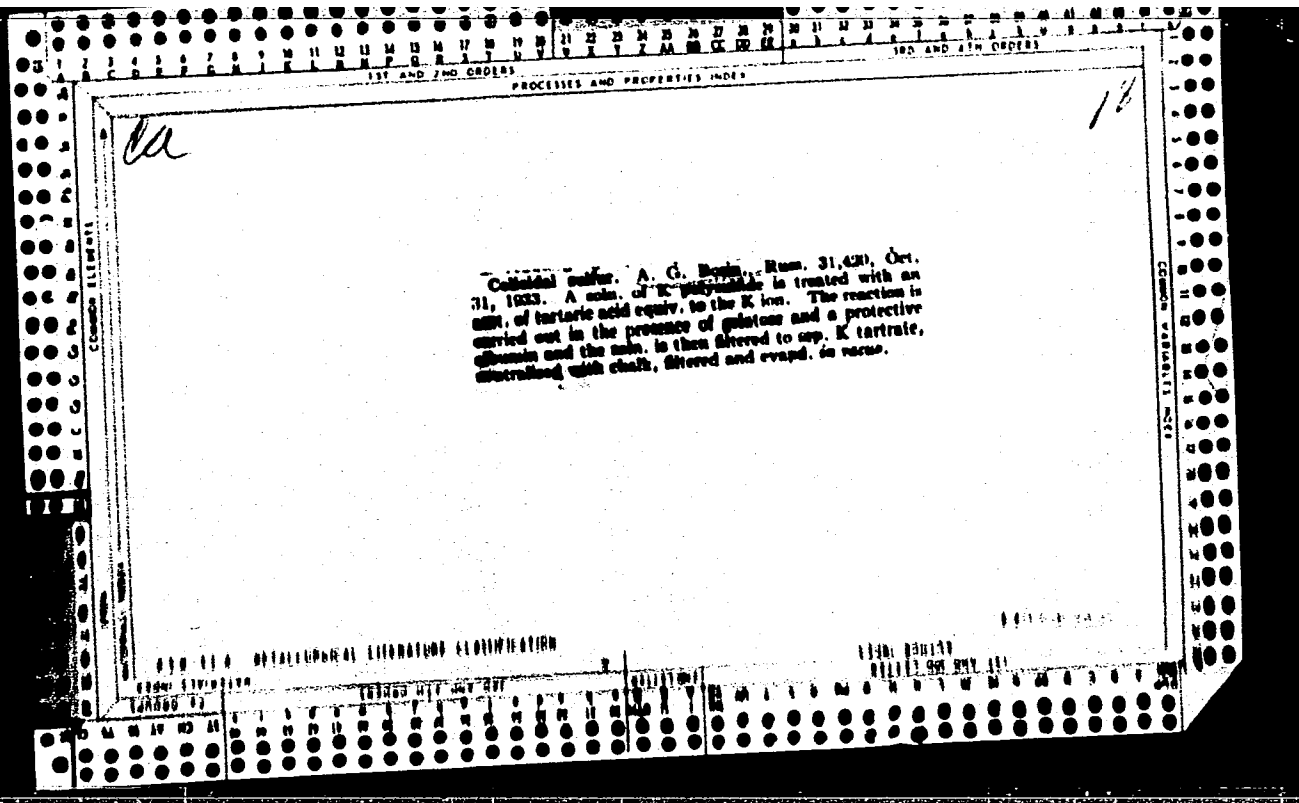
1. Institut zoologii i parazitologii Akademii nauk Kirgizskoy SSR. (Calves--Feeding and feeding stuffs)

BOSIKOVA, N. Ya.; ODYNETS, R.N.

Effect of different degrees of milk feeding on the growth of 18-month-old Ala-Tau heifers. Trudy Inst.zool.i paraz. AN Kir.SSR no.7:15-32 '59. (MIRA 13:4)  
(Dairy cattle--Feeding and feeds)  
(Milk as feeding stuff)

BOSIKOVA, N. YA., CAND AGR SCI, "EFFECT OF VARIOUS LE-  
VELS OF MILK-FEEDING <sup>upon</sup> THE GROWTH OF BULL-CALVES OF <sup>the</sup>  
ALA-TAU BREED UP TO 18 MONTHS OF AGE." ALMA-ATA, 1960.  
(MIN OF HIGHER AND SEC SPEC ED KAZSSR, ALMA-ATA ZOOVETE-  
RINARY INST). (KL, 3-61, 224).

314



*Ca*

1ST AND 2ND ORDERS      3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

17

Stable concentrated preparations of Adams vermiculite.  
 A. G. Buzin, *Khim. Farm. Prom.* 1936, No. 3, 35-7.  
 The base is percolated with 25% alc.; the alc. is either  
 distd. off and the dry residue mixed with dextrin, or it  
 is mixed with sugar soln. and alc.      L. Nasarevich

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

1936-1940

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20



*13C* *(1-1)*

Processes and Properties Index

**Volumetric determination of small amounts of zinc. A. G. BOJAK and S. S. JOVAN (J. Appl. Chem. Russ., 1937, 30, 367-370).—Zn (<0.6 mg.) is separated by Behner's reagent from group I-III cations; the  $\text{ZnHg}(\text{CN})_2$  obtained is decomposed by aq.  $\text{Na}_2\text{S}$  (acid solution), the  $\text{HgS}$  pptd. is treated with standard I in  $\text{CS}_2$ , and excess of I is titrated with  $\text{Na}_2\text{S}_2\text{O}_3$ .** R. T.

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

RECORD NO. 1	RECORD NO. 2	RECORD NO. 3	RECORD NO. 4	RECORD NO. 5	RECORD NO. 6	RECORD NO. 7	RECORD NO. 8	RECORD NO. 9	RECORD NO. 10	RECORD NO. 11	RECORD NO. 12	RECORD NO. 13	RECORD NO. 14	RECORD NO. 15	RECORD NO. 16	RECORD NO. 17	RECORD NO. 18	RECORD NO. 19	RECORD NO. 20	RECORD NO. 21	RECORD NO. 22	RECORD NO. 23	RECORD NO. 24	RECORD NO. 25	RECORD NO. 26	RECORD NO. 27	RECORD NO. 28	RECORD NO. 29	RECORD NO. 30	RECORD NO. 31	RECORD NO. 32	RECORD NO. 33	RECORD NO. 34	RECORD NO. 35	RECORD NO. 36	RECORD NO. 37	RECORD NO. 38	RECORD NO. 39	RECORD NO. 40	RECORD NO. 41	RECORD NO. 42	RECORD NO. 43	RECORD NO. 44	RECORD NO. 45	RECORD NO. 46	RECORD NO. 47	RECORD NO. 48	RECORD NO. 49	RECORD NO. 50
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LIST AND INDEX ORDERS

PROCESSES AND PROPERTIES INDEX

12

The determination of cyanides in food products. A. G. Pons and S. Kh. Ginstburg. *Voprosy Khimii* 6, No. 5, 124-30 (1957). To a sample of 100-200 g. of the food product add 200-400 ml. of hot H<sub>2</sub>O, 10 g. of freshly pptd. PbCO<sub>3</sub> and 25 ml. of 10% tartaric acid. Distill the mixt. until 200-300 ml. are collected. Treat the distillate with a small amt. of NH<sub>3</sub> and a few drops of 10% KI for opal. of cacence, and titrate with 0.01 N AgNO<sub>3</sub>. The adds. of 1-10 mg. of CN<sup>-</sup> to fruit juices, flour, beer or other food products resulted in a satisfactory recovery on analysis, with a max. error of 4.5%. With 0.2-0.8 mg. CN<sup>-</sup> in water the analyses were 10 (4%) high. S. A. K.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

LIST AND INDEX ORDERS

MATERIALS INDEX

OPER

CROSS REFERENCE

<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>PROCESSES AND PROPERTIES INDEX</p>		<p>1946 AND 1947 INDEX</p>		
<p>ee</p>	<p>Sulphide titrimetric determination of small amounts of silver. A. G. BROWN and B. C. (INTE-DUNE (J. Appl. Chem. 1944-45, 558-559).-- 10-12 drops of conc. aq. Na<sub>2</sub>S are added to the solution (in absence of ions precipitable by Na<sub>2</sub>S other than Ag<sup>+</sup>), the solution is centrifuged, and the ppt. is washed, suspended in 5 ml. of 1:1 HCl, and shaken with 0.01N. I in KI, excess of which is titrated. 0.1-50 mg. of Ag may thus be determined, with an error of 0.01-2.5 mg. R. T.</p>			<p>12-1</p>	
<p>COMMON ELEMENTS</p>	<p>A 50-55A METALLURGICAL LITERATURE CLASSIFICATION</p>			<p>1946 AND 1947 INDEX</p>	
<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>	<p>0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE</p>

12

*ca*

The determination of zinc in food products. A. G. Boin and S. S. Iofan. *Voprosy Pitaniya U. S. S. R.* 7, No. 4-5, 173-9 (in French, 170) (1938).—Schoor's reagent is used for the sepn. of Zn from the cations of the 1st 3 analytical groups in the form of the complex ZnHg(CNS)<sub>2</sub>. This is decompd. with Na<sub>2</sub>S in the presence of H<sub>2</sub>SO<sub>4</sub>, resulting in the formation of HgS. The latter is isolated, and treated with excess of I<sub>2</sub>, the excess being titrated with Na<sub>2</sub>S<sub>2</sub>O<sub>4</sub> in the presence of CS<sub>2</sub>. S. A. Karjala

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

SECH: STYSDIVN SECHDO HLY OUV GSE

SECH: SOHLYV SECHST OUV OUV III

PROCESSING AND PROPERTIES INDEX

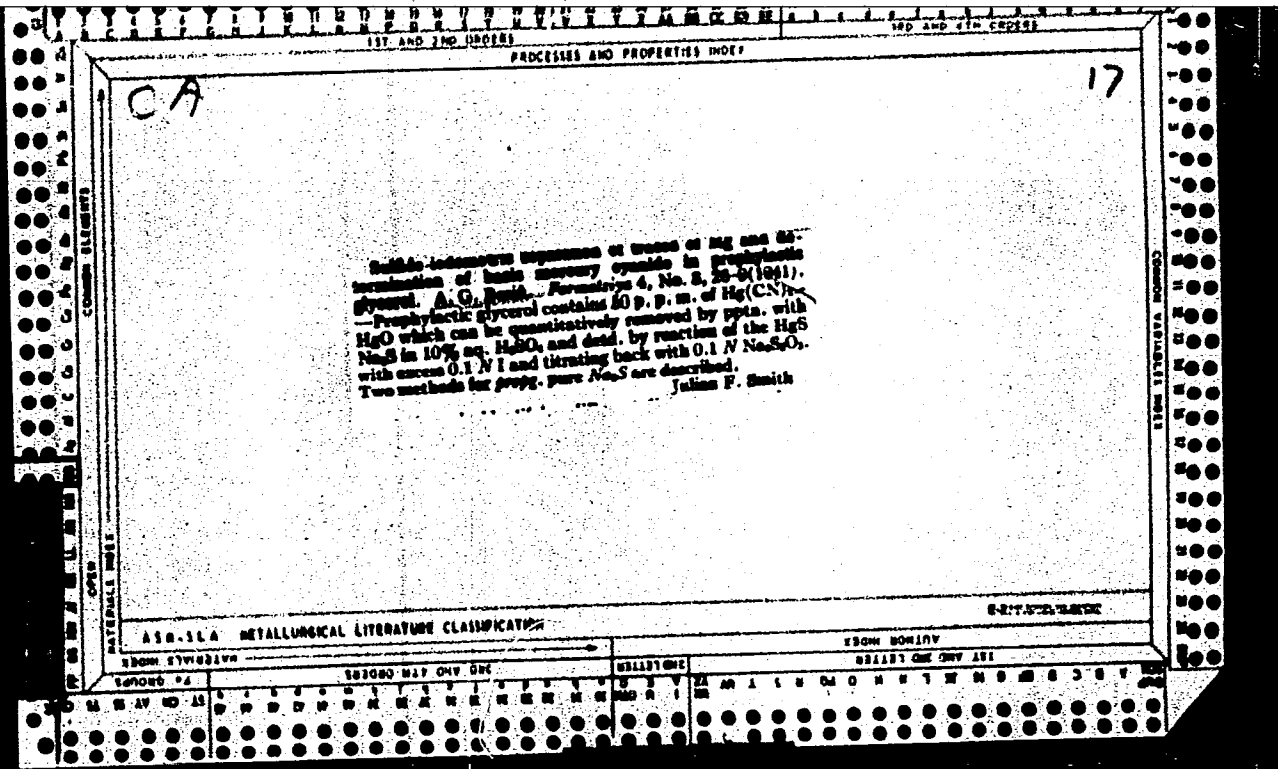
17

CA

Preparing lead acetate and medicinal basic lead acetate in the dry way. A. G. Bostin. *Farmatsiya* 1940, No. 6, 19-21. —By reaction of  $Pb(OAc)_2 \cdot 3H_2O$  with  $PbO$  about 85% yield of  $Pb(OH)(OAc)$  is obtained. A dry method of prepn. is described and procedures are outlined for detg. the Pb content of the dry acetates. Tablets for use in a Pb lotion should be kept in a well-sealed container and for use 1 tablet (600-750 mg. Pb) should be dissolved in 200 cc. of boiled ( $CO_2$ -free) water. Julian F. Smith

METALLURGICAL LITERATURE CLASSIFICATION

ASTM - SIA



PROCESSES AND PROPERTIES INDEX

145 AND 17M EDG331

CA

17

Zn number as a characteristic of aqueous alcoholic extracts, and its determination. A. G. Bosc. *Formisys* 6, No. 4, 13-16(1943).—The Zn no. of an aq. alc. ext. is detd. by heating to 70-8° with Zn acetate soln., centrifuging, pipetting off the transparent liquid, washing the ppt. with aq. EtOH, heating to 60-70°, centrifuging, calcining the new ppt. and detg. Zn iodometrically after converting it to ZnS. The Zn no. is defined as mg. of Zn combined by the amt. of aq. alc. ext. obtained from 1 g. of sample. Some characteristic Zn nos. were found to be: oak galls 21.8, arnica 11.9, wormwood 7.1, valerian 4.1, mint 0, capsaicin 0. Julia F. Smith

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1900M STUBS

1900M MISC DIV 001

1900M DIVISION

1900M DIVISION

SBRODOV, M.; BOSIN, I.

The SSL-A universal stationary flax dryer. Biul.tekh.-ekon.  
inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. 16 no.10:  
77-79 '63. (MIRA 16:11)



BOSIN, M.I., assist., kand. tekhn. nauk.

Primary and secondary parameters of rail circuits operating on high frequencies. Sbor. nauch. trud. LETIZHT no.5:108-117 '53.

(Railroads--Signaling--Block system)

(MIRA 11:3)

(Electric circuits)

BOSIN, M.I., kand. tekhn. nauk; RMPIN, A.V., inzh.

Direction circuit for monotrack automatic block systems. Avtom.,  
telem. i svias' 2 no.6:11-17 Je '58. (MIRA 11:6)  
(Railroads--Signaling--Block system)

BOSIN, M.I., kand. tekhn. nauk

Analyzing the use of selective methods in automatic block  
systems. Sbor. LIIZHT no. 161:262-274 '58. (MIRA 11:12)  
(Railroads--Signaling--Block system)

PETROV, A.P., prof.; EYLER, A.A., dotsent; NEUGASOV, N.M., dotsent;  
BOSIN, M.I., dotsent; ZAV'YALOV, B.A., inzh.

Experiment in traffic control in a railroad section with the aid  
of the "Ural-1" calculating machine. Vest.TSNII MPS 20 no.3:52-  
56 '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo  
transporta i Leningradskiy institut inzhenerov zheleznodorozhnogo  
transporta imeni V.N.Obrastsova.

(Railroad--Traffic)

(Electronic calculating machines--Programming)

LUPAL, Nikolay Vasil'yevich; BOSIN, Matvey Itakovich; PEREBOROV,  
Aleksandr Sergeevich; SMIRNOVA, Appolinariya Vasil'yevna;  
Byler, Aleksandr Aleksandrovich; TSUKANOV, T.F., kand.  
tekhn.nauk, retsensent; SHUFILOV, V.I., kand.tekhn.nauk,  
retsensent; GLUZMAN, I.S., kand.tekhn.nauk, red.;  
USENKO, L.A., tekhn.red.

[Theoretical principles of automatic and remote control]  
Teoreticheskie osnovy avtomatiki i telemekhaniki. By N.V.  
Lupal i dr. Moskva, Vses.isdatel'sko-poligr.ob'edinenie  
M-va putei soobshchenia, 1961. 414 p.

(MIRA 14:12)

(Automatic control)

(Remote control)

BOSIN, M.I., kand. tekhn. nauk, dotsent

Automatic control of train traffic with dispatcher control using a programming system. Sbor. trud. LIIZHT no. 205328-45 '63.

(MIRA 18:1)

BOSINA, L.

Heating plant pipes in protective Eternit tubes. Zdravot  
tech 6 no.6:269 '63.

Cooperation in using Pyroferal grate bars. 270

Mechanization of the production of prefabricated piping for  
heating and power plants. 270.

Economical construction of heating systems. 271

BOSINA, Ladislav

New method of construction and assembly of underground heating systems. Energetica Cz 13 no.11:571-575 N°63.

1. Ministerstvo zdravotnictvi, Praha.



JAHODA, Milos, inz.; BOSINA, Ladislav

New method of heating conduit network construction without  
canals. Inz stavby 12 no. 3:116-118 Mr '64.

1. Doprastav National Enterprise, Bratislava (for Jahoda).
2. Ministry of Health, Prague (for Bosina).

BOSINA, Ladislav; MIKULA, Julius, doc. inz. dr.

Friction resistance of heating system pipes installed on basalt supports. Energetika Cz 14 no.11:538-539 N '64.

1. Ministry of Health, Prague (for Bosina). 2. Research Institute of Power Engineering, Prague (for Mikula).

1ST AND 2ND EDITIONS      PROCESSES AND PROPERTIES INDEX      3RD AND 4TH EDITIONS

a-4

BC

**Tissue-ascorbic and -dehydroascorbic acid content of rats and guinea-pigs of different ages. K. B. KRASNOVA and S. B. ZHORN (Ukrain. Biochem. J., 1959, 12, 217-220).—The ascorbic and dehydro-ascorbic acid contents of various organs of the rat and the guinea-pig fall steadily with increasing age of the animal. Except in the case of guinea-pig's skin this affects the oxidized more than the reduced form of ascorbic acid. Dehydroascorbic acid is absent from rat brain, and is present only in traces in guinea-pig brain.**

R. T.

METALLURGICAL LITERATURE CLASSIFICATION

L30M 00117V

COLLECT ONE ONLY ALL

L30M 00117V

COLLECT ONE ONLY ALL

BOSIS, R. B.

Chemical Abstracts  
Vol. 48 No. 5  
Mar. 10, 1954  
Biological Chemistry

①  
Action of antimalarials in denaturation of protein. 1.  
L. M. Makarevich-Gal'perina and R. B. Bosis (Kharkov  
Pharm. Inst.). *Ukrain. Biokhim. Zhur.* 22, 445-54 (1950)  
(In Ukrainian with Russian summary).--Denaturation of  
proteins by antimalarials is of interest in explaining the  
mechanism of antimalarial action in the animal organism.  
Denaturation was judged by the no. of sulfhydryl groups,  
expressed as percentage of cysteine. The SH groups were  
detd. by the method of Mirsky (C.A. 36, 104<sup>1</sup>), as modified  
by Tsiperovich and A. L. Loseva (C.A. 46, 8173i). Protein  
was sepd. from egg albumen by the method of Baranowski  
(C.A. 35, 3281<sup>1</sup>) as improved by Strachitskil and Kologrivova  
(C.A. 41, 2781h). Quinine and paludrine are approx. equally  
effective as denaturing agents; they are stronger denaturing  
agents than is urea. Denaturing action of paludrine does not  
increase appreciably with time up to 20 hrs. 4-(4-Diethyl-  
amino-1-methylbutylamino) - 6-methoxyquinoline and 4-(4-  
diethylamino-1-methylbutylamino) - 6-methoxyquinaldine  
do not denature the protein from egg albumen. C. R. H.

~~BOSIY, M.K.~~; KOVTUN, A.P.

Studying aftereffect inhibition following the prolonged effect of a  
differentiates stimulus. Fisiol.zhur. [Ukr.] 1 no.2:55-61 Mr-Apr '55.  
(INHIBITION) (MLBA 9:9)

BOSIY, M.K. [Bosyi, M.K.]; DRAGUN, G.D. [Drahun, H.D.]; KOVTUN, A.P.;  
KOLYADENKO, G.I. [Koliadenko, H.I.]; DAVIDENKO, I.M. [Davydenko, I.M.]  
MAKARUK, G.I. [Makaruk, H.I.]

Studying the consecutive inhibition of a single and summed effect of  
differentiated inhibition in dogs by the conditioned reflex method.  
Report No.4. Nauk.zap. ChDPI 8:27-39 '56. (MIRA 11:2)  
(INHIBITION) (CONDITIONED RESPONSE)

Bosiy M.K. -

BOSIY, M.K. [Bosiy, M.K.]; KOLYADENKO, G.I. [Koliadenko, H.I.];  
MAKARUK, G.I. [Makaruk, H.I.]; DAVIDENKO, I.M. [Davydenko, I.M.]

Studying the aftereffect of conditioned inhibition by the conditioned  
reflex method. Nauk. zap. ChDPI 8:93-104 '56. (MIRA 11:2)

(INHIBITION) (CONDITIONED RESPONSE)

BOSIYEK, A.M.

Rapid method of rebuilding a blast furnace. Metallurg no.10:7-10  
0 '56. (MLBA 9:11)

1. Starshiy inshener tekhnicheskogo otdela Stalinskogo metallurgi-  
cheskogo zavoda.

(Blast furnaces--Repairing)



DUNAYEV, N.Ye., inzh.; BOSIYEV, A.M., inzh.

Making converter pig iron with a complete removal of manganese ore from the charge. Met. i gornorud. prom. no.2:7-10 Mr-Ap '62. (MIRA 15:11)

1. Donetskii metallurgicheskii zavod.  
(Cast iron--Metallurgy)

KUZUB, A.G.; BOSIYEK, A.M.

Tuyere nozzles with a grog lining. Metallurg 6 no.10:7-8  
0 '61. (MIRA 14:9)

1. Stalinskiy metallurgicheskiy zavod. 2. Zamestitel' glavnogo inzhenera Stalinskogo metallurgicheskogo zavoda (for Kuzub). 3. Starshiy inzhener tekhnicheskogo otdela Stalinskogo metallurgicheskogo zavoda (for Bosiyek)  
(Blast furnaces--Equipment and supplies)

BOSIZCKI, Kazimierz, mgr.inz. (Warszawa)

Development trends of principal and auxiliary forging machines  
for precise die forging. Hutnik P 28 no.7/8:284-286 J1-Ag '61.

KOLOUSEK, J.; KOHOUT, J.; PINTA, Z.; BOSKA, F.

Antiepileptic action of methionine. Cesk. neuropol. 26 no.1:21-26  
Ja '63.

1. Biofyzikalni ustav fakulty vseobecneho lekarstvi KU v Prase, prednosta  
doc. dr. E. Dienstbier, CSc. Nervove oddelenie OUNZ ve Stredonicich,  
prednosta MUDr. J. Kohout Nervove oddeleni polikliniky OUNZ v Beroune  
Nervove oddeleni vojenske nemocnice v Ces. Budejovicich, prednosta dr.  
F. Boska.

(METHIONINE)

(ANTICONVULSANTS)

(EPILEPSY)

BOSKAKOV, A.P., and KAROCHKINA, S. K.

"The Study of Heat Transfer Between Particles of a Fine Heat Agent  
in a Filling."

Report submitted for the Conference on Heat and Mass Transfer,  
Minsk, BSSR, June 1961.

BOSKHETY, V.; KYSELA (Ostrava, Chekhoslovakiya)

Electrophoretic analysis of the cerebrospinal fluid and blood serum in  
neuroinfectious. Zhur.nevr.i psikh 60 no.8:974-981 '60.

(MIRA 13:9)

(BLOOD PROTEINS) (PROTEINS)  
(NERVOUS SYSTEM DISEASES)

L 4496-66 EWT(1)/EWA(h)

ACCESSION NR: AP5023285

UR/0302/65/000/003/0068/0069  
621.385.337.8

AUTHOR: Denisyuk, V. P.; Boskis, I. A.

TITLE: The use of MTKh-90 thyratrons with voltage control

SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 68-69

TOPIC TAGS: thyatron, voltage regulator, electronic circuit

ABSTRACT: Electronic controls of mechanical devices operate relatively slowly because of the considerable inertia of mechanical elements. Consequently, they are well suited for thyatron application. Presently, most circuits use the pulse method of firing (Fig. 1 of the Enclosure). However, since the grid current sufficient for thyatron firing varies within several microampere limits, such circuits are sensitive to all kinds of disturbances. The authors developed at the Institut kibernetiki AN UkrSSR (Institute of Cybernetics, AN UkrSSR) a new thyatron loop in which the control voltage actuating the thyatron is applied through a resistance ( $R_1$  in Fig. 2). In the case of the MTKh-90 thyatron the required firing voltage is 100 - 110 v with an allowed interference level of 50 - 65 v. This does away with the firing parameter scattering problem. Experimentally determined optimum values for thyatron operation when incorporated in the newly pro-

Card 1/4

U/AMPR

L 4496-66

ACCESSION NR: AP5023285

posed circuit are also given. Orig. art. has: 1 formula and 1 figure.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 02

SUB CODE: EC, IE

NO REF SOV: 002

OTHER: 000

Card 2/4



L 4496-66

ACCESSION NR: AP5023285

ENCLOSURE: 01

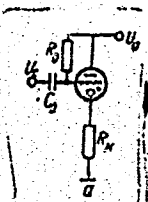


Figure 1. Thyatron connection circuit (conventional).

Card 3/4

L 4496-66

ACCESSION NR: AP5023285

ENCLOSURE: 02

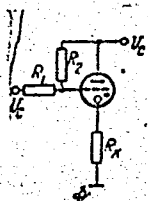


Figure 2. Thyatron connection circuit (newly developed).

PC

Card 4/4

0041

BOSKIS, R. M.

Speech, disorders of - Diagnosis

Diagnosis of speech disorders in children who are hard-ofhearing.  
Vest. oto-rin., 14, No.2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952.  
Unclassified.

BOSKIS, R. M.

"Psikhologicheskiye issledovaniya v pomoshch"spetsial'nomu obucheniyu slaboslyshashchikh detey."

report submitted for 15th Intl Cong, Intl Assn of Applied Psychology, Ljubljana, Yugoslavia, 2-8 Aug 1964.

Institut defektologii, Moskva.