

POTLIZAK, K.

Entering the last year of the first Five-Year Plan. p. 1.  
(PALIVA., Vol. 33, no. 1, Jan 1953, Czechoslovakia)

SO: Monthly List of East European Accession, Vol. 2 #8, Library of Congress,  
August 1953, Uncl.

Card : 1/1

POTLOV, V. V., Cand Phys-Math Sci -- "Behavior of integral curves of a homogeneous differential equation." Mos, 1961.  
(Min of Ed RSFSR. Mos Oblast Ped Inst im N. K. Krupskaya)  
(KL, 8-61, 228)

- 36 -

Country : RUMANIA  
Category : Cultivated Plants. Cereals. Leguminous Plants.  
Tropical Cereals. M

Abs Jour : RZhBiol., No 6, 1959, No 24808

Author : Potlog, A. S.; Siclovan, V.; Badea, S.  
Inst : Academy of Sciences RPR.  
Title : Growing of Wheat Grades in a Mixture. Experi-  
mental Results on Growing the Winter Wheat  
Varieties "Cenad 117" and "Odvos 241" in a  
Mixture.  
Orig Pub : Studii si cercetari atint. Academ. RPR. Baza  
Timizoara. Ser. stiinte agric., 1957, 4, No,  
3-4, 83-91  
Abstract : Data on the study of the behavior of grades  
growing in a mixture. No increase in the har-  
vest in comparison with pure cultivation of  
these grades under experimental conditions  
(western part of Rumania) was noticed. Exi-

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POTLOV, V.V.

Behavior of integral curves of homogeneous differential equations  
of first order. Uch.zap.RGPI 15:67-76 '58. (MIRA 12:7)  
(Differential equations)

L 31296-65 EWT(d) Pg-4 LJP(c)  
ACCESSION NR: AR5004795

S/0044/64/000/011/B047/B047

SOURCE: Ref. zh. Matematika, Abs. 11B216

AUTHORS: Kapralov, N. S.; Makarov, I. P.; Potlov, V. V.

17  
B

TITLE: Concerning the use of a differential equation of the neutral type

CITED SOURCE: Uch. zap. Ryazensk. gos. ped. in-t., v. 35, 1963, 84-89

TOPIC TAGS: differential equation, approximate solution, integration, neutral differential equation

TRANSLATION: The following equation is considered:

$$y'(x) = \alpha(x)y(x + \tau \operatorname{sign}(x - x_0)) + \beta(x). \quad (1)$$

The solution is sought on the segment  $[x_{10}, x_{20}]$  and it is assumed that  $x_0$  is an interior point of this segment. The solution of (1) is found by the method of steps, wherein to find the solution on  $[x_{10}, x_0]$  the initial function is specified on  $[x_{10} - \tau, x_{10}]$  and the equation is integrated on the right, while to find the

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solution on  $[x_0, x_{20}]$  the initial function is specified on  $[x_{20}, x_{20} + \tau]$  and the equation is integrated on the left. The possibilities are investigated of smoothing the solutions at the point  $x_0$  by adding constant terms to the initial functions, or, in the more general case, by choosing the parameters if the initial functions depend on several parameters. G. Kamenskiy

SUB CODE: MA

FNCL: 00

Card 2/2

L 51011-65 EWT(d)/T IJP(c)

ACCESSION NR: AR5012982

UR/0044/65/000/003/B063/B063

SOURCE: Re. zh. Matematika, Abs. 3B315

AUTHOR: Potlov, V. V.

TITLE: The behavior at infinity of trajectories of homogeneous systems 19  
B

CITED SOURCE: Volzhsk. matem. sb., vyp. 2, 1964, 107-111

TOPIC TAGS: trajectory, homogeneous system, Poincare circle, topologic pattern

TRANSLATION: The author investigated the behavior of the characteristics of the equation 16

$$\frac{dy}{dx} = \frac{P(x, y)}{Q(x, y)}$$

(1)

with P(x, y) and Q(x, y) being homogeneous functions with equal orders of homogeneity. The following definitions are introduced: 1) the integral straight line of Equation (1) within the Poincare circle is called the integral diameter; 2) the part of the vicinity of a singular point a<sub>0</sub> bounded by the integral diameter, the Poincare equatorial arc (containing no other singular points except a<sub>0</sub>), and the arc of a circle with the center at a<sub>0</sub> and a radius less than the

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Poincare circle is called the right A-sector if the points within it are to the right of the integral diameter, and left A-sector in the opposite case; 3) if, in definition 2, one replaces the integral diameter by a diameter consisting of singular points, then the sectors are called right and left B-sectors, respectively. Proof is given that the right and left A-sectors may represent hyperbolic or parabolic regions only (analogously, the right and left B-sectors may represent quasi-hyperbolic or quasi-parabolic regions only). This, at the same time, proves that these sectors cannot be elliptical nor represent regions of a more complex structure. To establish the topologic pattern of the behavior of the characteristics of (1) within the Poincare circle, it suffices to study them within an arbitrarily small region in the vicinity of the origin of the  $xOy$  plane. I. Kukles.

SUB CODE: MA

ENCL: 00

Card 2/2



L 31294-65 ENT(d) Pg-4 IJP(c)  
ACCESSION NR: AR5004794

S/0044/64/000/011/B038/B039

SOURCE: Ref. zh. Matematika, Abs. 11B179

AUTHORS: Nemytskiy, V. V.; Potlov, V. V.

TITLE: General theory of homogeneous equations with continuous right sides

CITED SOURCE: Uch. zap. Ryazansk. gos. ped. in-t., v. 35, 1963, 162-186

TOPIC TAGS: differential equation, homogeneous differential equation, uniqueness theorem, hyperbolic equation, parabolic equation, elliptic equation

TRANSLATION: The article investigates the arrangement of the characteristics of the system

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ACCESSION NR: AR5004794

$$\frac{dy}{dt} = P(x, y); \quad \frac{dx}{dt} = Q(x, y). \quad (2)$$

where  $Q(x, y)$  and  $P(x, y)$  -- homogeneous functions of the same order of homogeneity, continuous in the entire plane, and do not vanish identically. In polar coordinates the system takes the form

$$\frac{dr}{dt} = r^n \alpha(\varphi); \quad \frac{d\varphi}{dt} = r^{n-1} \beta(\varphi).$$

where

$$\alpha(\varphi) = \sin \varphi P(\cos \varphi, \sin \varphi) + \cos \varphi Q(\cos \varphi, \sin \varphi)$$

$$\beta(\varphi) = \cos \varphi P(\cos \varphi, \sin \varphi) - \sin \varphi Q(\cos \varphi, \sin \varphi),$$

$n$  -- order of homogeneity of the functions  $P(x, y)$  and  $Q(x, y)$ . In the first section the authors investigate the system (2), assuming that  $P(x, y)$  and  $Q(x, y)$  do not vanish simultaneously anywhere except at the origin. In this section they prove eight theorems, of

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which we note the following:

Theorem 2. If  $\varphi = \varphi_0$  -- a zero, which is isolated on the right (left) of the function  $\beta(\varphi)$ , then, in order for the integral ray  $\varphi = \varphi_0$  to consist of points of uniqueness on the right (on the left), it is necessary and sufficient to have the integral

$$\int_{\delta}^{\infty} \frac{\alpha(\varphi)}{\beta(\varphi)} d\varphi,$$

where  $\delta > 0$  ( $\delta < 0$ ), converge.

Theorem 4. If

$$\lim_{k \rightarrow k_0} \frac{|P(l, k) - k_0|}{|k - k_0|^a} > 0, \\ 0 < a < 1,$$

then the integral line  $y = k_0 x$  of the system (2) consists of points

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of non-uniqueness on the right (an analogous statement occurs for non-uniqueness on the left). The authors show that any spectrum bounded by two neighboring integral lines can be reduced to one of the following types: 1) elliptical and quasielliptical, 2) hyperbolic and quasihyperbolic, 3) parabolic and quasiparabolic (quasielliptic, quasihyperbolic, and quasiparabolic sectors can exist only if one or both boundaries of the sector consist of non-uniqueness points).

The authors find the necessary and sufficient conditions in order that the considered sector belong to one or another of the indicated types. In the second section, the authors show how it is possible to construct continuous functions  $P(x, y)$  and  $Q(x, y)$  such that the system has beforehand an arbitrary specified finite set of sectors adjacent to the origin with prescribed arrangement of the boundaries of these sectors and of their types. The boundaries of these sectors (that is, the integral lines) can furthermore be specified in such a way that they consist either of uniqueness points

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(to the right or to the left, or else to the right and to the left), or else of non-uniqueness points.

In the third section the authors study the system (2), assuming that the function  $P(x, y)$  and  $Q(x, y)$  can vanish simultaneously and at the points that differ from the origin (in this case there can exist rays consisting only of singular points). The authors prove here four theorems covering different cases of the behavior of the characteristics, depending on whether  $P(l, k)/Q(l, k)$  tends as  $k \rightarrow k_0$  to a definite limit, and depending on what this limit will be. Cases are considered, when  $P(l, k)/Q(l, k)$  tends as  $k \rightarrow k_0$  to a definite limit (finite or infinite), and when this limit coincides or does not coincide with  $k_0$ . The case is also considered when  $P(l, k)/Q(l, k)$  does not tend to any limit at all as  $k \rightarrow k_0$ . It turns out that in the first of these cases the characteristics from the angle space in question enter into the origin or move to infinity, or else they cross the ray  $\varphi = \varphi_0$  with a definite direc-

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tion of the tangent, while in the second case these characteristics do not have any definite direction of the tangent at  $\varphi \rightarrow \varphi_0$ , and a case is even possible when all the characteristics of the angle space enter with one end in an arbitrarily small vicinity of the ray  $\varphi = \varphi_0$ , remain in it, but do not enter the origin, do not move off to infinity, and do not enter the points of the ray  $\varphi = \varphi_0$  (this case takes place when

$$\int_0^{\varphi_0} \frac{\alpha(\varphi)}{\beta(\varphi)} d\varphi$$

diverges neither to  $+\infty$  nor to  $-\infty$ ). The authors consider in detail also all other cases which can take place.

In the fourth section the authors investigate the behavior of characteristics that move to infinity in their own angle spaces.

It is proved that six different types of angle spaces are possible. Let  $d_p$  -- distance from a point lying on a semitrajectory

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$f(p, )$  to the integral ray  $\varphi = \varphi_0$ . The angle space is classified as belonging to the first type, if from any semitrajectory  $\lim d_p = 0$  (i.e., any trajectory has the ray  $\varphi = \varphi_0$  as its asymptote) to the second type if  $\lim d_p \rightarrow \infty$ , to the third if  $0 < \underline{\lim} d_p \leq \overline{\lim} d_p < \infty$ , to the fourth if  $0 < \lim d_p < \infty$  and  $\overline{\lim} d_p < \infty$ , to the fifth if  $\underline{\lim} d_p = 0$  and  $\overline{\lim} d_p = \infty$ , and to the sixth if  $\underline{\lim} d_p = 0$  and  $0 < \overline{\lim} d_p < \infty$ . The authors prove that any sector filled with trajectories that move to infinity belongs to one of these six types, and find analytic criteria for assigning the sectors to each type. The results of the investigation are exhaustive in character. I. Kukles.

SUB CODE: MA

ENCL: 00

Card

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POTELNÍK, M.: Mlýnský, E.

... coefficient of lymphocytes in the peripheral  
blood of healthy subjects. Folia morph. (Praha) 13 no.4:  
352-361 '65.

in Central Military Hospital, Prague. Submitted February 8,  
1965.



ARIENT, M.; SKALA, E.; POTMESIL, M.; PALA, F.; DUFEK, V.

On the treatment of acute leukaemia by massive whole body irradiation combined with subsequent bone marrow transfusion. A case report. Neoplasma, Bratisl. 7 no.3:295-304 '60.

1. Military Institute of Hygiene, Epidemiology and Microbiology, Central Military Hospital, Prague, Czechoslovakia.

(LEUKEMIA MYELOCYTIC radiother)

(BONE MARROW transpl)

POJMEŠIL, M.; SMETANA, K.; MIENEROVA, E.

The nuclear coefficient of the lymphocytes in the peripheral blood of patients with Hodgkin's disease. Neoplasma (Bratisl) 12 no.2:205-213 '65.

1. Central Military Hospital, Prague; Laboratory of Electron Microscopy and Experimental Morphology, Czechoslovak Academy of Sciences, Prague, Czechoslovakia.

KANDRAC, Michal S.; POTMESIL, Milan; SILINKOVA-MALKOVA, Eva

Contribution to the diagnosis of paraganglioma. Cas. lek. cesk. 101  
no.31:955-959 27 JI '62.

1. Laborator pro endokrinologii a metabolismus KU v Praze, reditel  
akademik J. Charvat - I interni oddeleni Ustredni vojenske nemocnice  
v Praze, prednosta doc. dr. V. Dufek.

(PARAGANGLIOMA diagn)

CZECHOSLOVAKIA

ARIENT, M.; POTMESIL, M.; SKALA, E.; and PALA, F.; Central Military Hospital (Ustredni vojenska nemocnice,) Prague.

"Current Problems in Diagnosis and Treatment of Leukemias."

Prague, Vojenske zdravotnicke listy, Vol 32, No 1, Mar 63; pp 28-36.

Abstract [English summary modified]: Comprehensive didactic review, listing diagnostic criteria, early symptoms and interpretation thereof, and therapeutic schedules concentrating on classification of drugs which are classified into 11 categories. Two graphs, 8 tables, urine chromatogram, 2 photomicrographs.

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POTMESTL M

COUNTRY :   
 CATEGORY :   
 ABS. JOUR. : RZhBiol., No. 1958, No. 11   
 AUTHOR : Potomskii, M.   
 INST. :   
 TITLE : The Penicillin System. II. Interaction of Penicillin with the Cell Wall of *Escherichia coli*.   
 ORIG. PUB. : *Genet. Resour. Evol.*, 1968, 17, no. 17, p. 111.   
 ABSTRACT : Abstract

CARD: 1/1

POTMESIL, Milan

The properdin system. II. Interaction with polysaccharides and bactericidal, virus-neutralizing and anti-protozoan activity. Cas. lek. cesk. 97 no.17, Lek. veda zahr:73-81 25 Apr 58.

1. Ustredni vojenska nemocnice, Praha. U.V.N., Praha-~~Stresovice~~.  
(PROPERDIN,

interaction with polysaccharides & bactericidal, virus-neutralizing & anti-protozoan eff., review (Cz))

POTMESIL, Milan

The properdin system. III. Experimental and clinical studies. Cas. lek.  
cesk. 97 no.29; Lek. veda zahr:149-157 11 July 58.

1. Ustredni vojenska nemocnice v Praze.  
(PROPERDIN,  
review (Cz))

POTMESIL, Milan (M.P., U.V.N., Praha-Stresovice)

Properdin system. I. Properties and correlation of individual elements  
of the system. Cas. lek. cesk. 96 no.50:Lek. veda zahr:206-212 13 Dec 57.

1. Ustredni vojenska nemocnice, Praha.  
(PROPERDIN,  
review (Gz))



POTMESIL, Vacla, inz.

Exhibition of automation means. Automatizace 6 no.5:  
130 My '63.

POTMESIL, Vaclav, inz.; ZAJIC, Bohumil

Determination of the technical production level as a basis for  
mechanization and automation. Drevo 18 no.2:59-60 F '63.

1. Ministerstvo spotrebniho prumyslu (for Potmesil). 2. Státni  
ustav ekonomicko-organizacni, Ministerstvo spotrebniho prumyslu,  
Praha (for Zajic).

POTMESIL, Vaclav, inz.

Automation, the main element of technical development. Drevo  
17 no.5:138-139 My '62.

1. Ministerstvo spotrebniho prumyslu.

POTMESIL, Vaclav, inz.; ZAJIC, Bohumil

Determining the technical standard of production processes. Sklar a keramik 13 no.2:45-46 F '63.

1. Ministerstvo spotrebniho prumyslu, Praha (for Potmesil).
2. Statni vyzkumny ustav ekonomickoorganizacni, Praha (for Zajic).

POTMESIL, Vaclav; ZAJIC, Bohumil

Determining the technical standard as a basis for mechanization and automation of production. Kozarstvi 13 no.2:61-62 F '63.

1. Ministerstvo spotrebniho prumyslu, Praha (for Potmesil).
2. Statni vyzkumny ustav ekonomickoorganizacni, Ministerstvo spotrebniho prumyslu, Praha (for Zajic).

POTMESIL, Vaclav

Automation in development of consumer goods industries. Sklar a  
keramik 12 no.2:33-35 F '62.

1. Ministerstvo spotrebniho prumyslu

POTMESILOVA, E.

Experiences with general anesthesia in surgery of strabismus  
in childhood. Cesk. oftal. 19 no. 6: 430-432 N°63

1. CUNZ v Koline, ustavni anesteziolog.

\*

S/035/61/000/009/019/036  
A001/A101

AUTHORS: Pomerants, M.A., Agarval', S.P., Potnis, V.R.

TITLE: Investigation by means of balloons of primary cosmic rays during solar disturbances

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 9, 1961, 38, abstract 9A298 ("Tr. Mezhdunar. konferentsii po kosmich. lucham., 1959, v. 4", Moscow, AN SSSR, 1960, 61 - 70)

TEXT: The authors discuss the data of measuring cosmic ray intensity in the stratosphere at a latitude of 51°N during 1957-1958. The general intensity level in the stratosphere during IGY was considerably lower than the level measured during the preceding solar activity maximum (1947-1952). It is noted that no marked intensity changes were detected during chromospheric flares. A comparison of stratospheric measurement data with measurements of the neutron component at Ottawa shows that the amplitude of variations in the stratosphere is greater by  $1.6 \pm 0.3$  times than on the Earth's surface. There are 9 references.

L. Dorman

[Abstracter's note: Complete translation]

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POTOCAN, J.

Some special devices for slowing revolutions in water turbines. p. 54.

STROJNICKY CASOPIS. (Slovenska akademia vied) Bratislava, Czechoslovakia.  
Vol. 6, no. 1, 1955.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

Uncl.

POTOCAN, J.

Automatic braking of water combines operating at excessive speeds by lessening the tilt of blades. p. 39. (Strojoelektrotechnicky Casopis. Bratislava. Vol. 3, no. 3, 1952)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

BAIER, M., ing.; ANCA, A., ing.; POTOCEAN, P., ing.; VARRO, A., ing.

Saving reserves of material resources. Probleme econ 16 no.12:  
144-147 D '63.

1. Directia tehnica, Ministerul Transporturilor si Telecomunicatii (for Baier). 2. Secretar general, Ministerul Economiei Forestiere (for Anca). 3. Tehnolog sef, Uzina de constructii metalice si masini agricole, Bocsa (for Potocean). 4. Director tehnic, Uzina de constructii metalice si masini agricole, Bocsa (for Varro).

RUMANIA/Nuclear Physics - Installations and Instruments.  
Methods of Measurement and Research

C

Abs Jour : Ref Zhur Fizika, No 8, 1959, 17248

Author : Fincinc, N., Potoceanu, C.

Inst : -

Title : On the Mass Spectrum of Sigma Mesons

Orig Pub : Studii si cercetari fiz. Acad. RFR, 1958, 9, No 2, 181-184

Abstract : The method of constant arc was used to determine the masses of the following negative mesons, stopped in emulsion: 25 sigma mesons, producing stars with 1, 2 and 3 prongs, 19 sigma mesons producing stars with 4 and 5 prongs, and 13 pions producing  $\pi^- \rightarrow \mu$  decays.

Only two particles,  $\sigma_4$  and  $\sigma_5$ , were found, whose masses gave values shifted towards  $500 m_e$  within the limits of permissible errors. Both trajectories are

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BALEA, E.; FRIEDLANDER, E.; ONCESCU, M.; POTOCEANU, C.; SAHINI, M.

The high-energy nuclear interactions of the heavy nuclei of the  
primary cosmic radiation. Studii cerc fiz 11 no.1:61-68 '60.  
(EAI 10:1)

(Collisions (Nuclear physics))  
(Cosmic rays)

DIMITRIU, N., ing.; ROMUL, Radu, ing.; PANTELLI, Tudor, ing.; GEORGESCU, V.,  
ing.; POTOCEANU, I., ing.; RADULESCU, M.; GHEORGHE, Gh.; ORBOK, Geza

Letters to the editor. Probleme econ 15 no.10:147-151 0 '62.

1. Director, Trustul regional de constructii, Ploiesti (for Dimitriu).
2. Director, Trustul regional de constructii locale, Brasov (for Romul).
3. Director, Trustul regional de constructii, Iasi (for Pantelli).
4. Director, Trustul regional de constructii locale, Galati (for  
Georgescu). 5. Director general, Combinatul siderurgic, Resita  
(for Potoceanu). 6. Inginer sef, Resp. Inovatii, Intreprinderea  
Trainica, Pucioasa (for Radulescu). 7. Intreprinderea Trainica,  
Pucioasa (for Gheorghe). 8. Director, Fabrica de confectii Flacara,  
Cluj (for Orbok).

POTOCEANU, I., ing.

High valorization of metal. Probleme econ 16 no.12:117-119 D  
'63.

1. Director general, Combinatul siderurgic Resita.



ION, Nita, ing.; POTOCEANU, I., ing.; IORDACHE, C., ing.; STANTIEV, I.;  
ANDREI, M., ing.; POPESCU, I.

Reducing cost price, an important task in the siderurgical industry.  
Probleme econ 17 no.2:147-151 F '64.

1. Director tehnic conceptie, Combinatul siderurbic Hunedoara (for Ion).
2. Director general, Combinatul siderurgic Resita (for Potoceanu).
3. Director, Uzina de tevi Roman (for Iordache).
4. Director, Industria sirmei-Cimpia Turzii (for Stanatiev).
5. Seful Serviciului Planificare, uzina Ciocanul-Nadrag (for Popescu).

RUMANIA / Chemical Technology. Processing of Solid Fossil Fuels. H-22

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78995.

Author : Potoceanu, I.

Inst : Not given.

Title : The Metallurgical Production of Coke from Non-Coking Coals.

Orig Pub: Metalurgia si constr. mas., 1956, 8, 49-52.

Abstract: The mechanism is examined on the formation of coke from coking coal, and the peculiarities of a coking process of gaseous, bituminous and weakly coking coals which do not form a stable coke under the usual conditions of coking. A description is furnished on the method developed by Prof. Sapozhnikov and the experimental set-up for the preparation of metallurgical coke from non-coking coals.

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1 25173-55 EWP(8)/EWP(8) ID  
ACCESSION NR: AP5017635

RU/0017/64/000/038/0347/0349

AUTHOR: Potoceanu, I. (Engineer)

TITLE: Production and utilization of a self-fusing agglomerate in the furnaces of the Resita Siderurgical Combine

SOURCE: Metalurgia, no. 8, 1964, 347-349

TOPIC TAGS: metallurgic furnace, agglomerate

ABSTRACT: The author describes the production of a self-fusing agglomerate at the Resita Siderurgical Combine and presents the highly satisfactory qualitative indices obtained when it was used in the blast furnaces of the combine. Orig. art. has: 1 table.

ASSOCIATION: Combinatul siderurgic, Resita (Siderurgical Combine)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SOV: 000

OTHER: 000

JPRS

Card 1/1

CIRIN, Liviu, ing.; FOTOCEANU, Ion, ing.; IONESCU, Gh., ing.

Economic relations of socialist industrial enterprises and their role in the achievement of socialist management and strengthening of material incentives. Probleme econ 16 no. 5: 140-142 My '63.

1. Director comercial, Uzinele de vagoane-Arad (for Cirin).
2. Director general, Combinatul siderurgic Resita (for Potoceanu).
3. Director tehnic, Uzinele "Steagul rosu", Brasov (for Ionescu).

*POTOCEK*  
POTOCEK, Oldrich

Myopia of prematurity. Cesk. ofth. 14 no.1:38-44 Feb 58.

1. Očni oddeleni OUMZ ve Znojme, prednosta primar MUDr. Oldrich Potocek.  
(MYOPIA, in inf. & child  
in premature inf. (Cz))  
(INFANT, PREMATURE, dis.  
myopia (Cz))

POTOCIC, Z.

Yugoslavia (430)

Agriculture - Plant and Animal Industry

Forestry in the world and in Yugoslavia. p 139. SUMARSKI LIST. Vol 76, no 5-6,  
May-June 1952.

East European Accessions List. Library of Congress, Vol 2, no 3, March 1953.  
UNCLASSIFIED.

POTOCKA, FRANTISEK

POTOCKA, Frantisek, Dr; KUBELKA, Vladimir, Dr; BOHAC, Jiri, MUDr

Immunology in encephalomyelitis enzootica suis. Cesk. hyg. epidem.  
mikrob. 2 no.1:22-43 Feb '53.

1. Z laboratore pro studium inf. obrny vepru pri Ustavu pro lek.  
mikrobiologii a imunologii K.U. v Praze.

(ENCEPHALOMYELITIS,  
swine, vacc.)  
(SWINE, diseases,  
encephalomyelitis, vacc.)  
(VACCINES AND VACCINATION,  
encephalomyelitis in swine)

POTOCKI A.

ORIGIN : Moscow  
 DATE : 1959  
 PUBLICATION : Prilozhenie, No. 20 1959, No. 72114  
 AUTHOR : Iskrent, A.; Winkler, G.  
 TITLE : Latex-Cement Mixed as Deckboard Flooring  
 AIG. PUB. : Rudown. obrat., 1959, 4, No 1, 9-11  
 ABSTRACT : Latex-cement mixed for coating of decks were made with portland cement "350". The coating was applied over a steel foundation in a layer 10 mm thick. Hardening of the mix required 1-3 days depending on temperature. Specific gravity of the coating was 1.43-1.92 g/cm<sup>3</sup>, but when applied in a thin layer it weighed less than wooden flooring. The disadvantages of the coatings are their relatively low resistance to attrition and compression, and low stability to the action of oil. -- B. Lewman.

CARD:

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POTOCKI, Aleksy; DUDEK, Bernard; BRANDT, Andrzej; WASIUTYNSKI, Zbigniew

Metal and rubber bridge bearings. Polimery tworzyw wiel. 8  
no. 102382-392 0'63.

1. Katedra Technologii Chemicznej, Zakład Technologii Kauczuków  
i Gumy, Politechnika, Gdansk (for Potocki and Dudek). 2. In-  
stytut Podstawowych Problemów Techniki, Polska Akademia Nauk,  
Warszawa (for Brandt and Wasjutynski).

POTOCKI, Aleksy; BALAS, Adolf; DUDEK, Bernard

Colorimetric determination of the specific stability of  
polyvinyl chloride. Polimery tworzą wielk 8 no.1:16-20  
Ja '63.

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ZUK, I.; POTOCKI, A. [translator]

An investigation on polyploidy and sex determination within the genus  
Rumex. Acta soc botan Pol 32 no.1:5-67 '63.

1. Department of General Genetics, Polish Academy of Sciences, Warsaw.

POTOCKI, Aleksy

Application of powder electrodes as a new method of determining the reinforcing properties of carbon black. I. Characterization of carbon black by means of potential measurements of powder electrodes. Przem chem 41 no.6:317-320 Je '62.

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Petocki, A

18  
3  
Coal Silt in Shell Moulding and Coremaking Sand. A  
Petocki and J. Bielato<sup>19</sup> (Przeglad Odlewnicza, 1956, 6,  
Nov., 345-346). [In Polish]. The authors give an account  
of an experimental attempt to replace coal dust and clay  
substance by more readily available and cheaper coal silt  
which was delivered direct from the coal mines. The results  
were very satisfactory. The observations lasted a few months  
and were carried out on casts from a few kg to 4.5 t. The  
exact ratio of sand to coal silt and the humidity are deter-  
mined by the purposes for which the mixture is used.

PsTocki, A.

V 19073 Sodium Waterglass as a Binder for Foundry Molds.  
A. PsTocki, Henry Brucher Translation No. 3455, 4 p. (Abstract  
from ~~Przegląd Odlewnictwa~~, 1953, no. 7, p. 13-14.) Henry  
Brucher, Altadena, Calif.

Laboratory and semi-production experiments in steel-casting  
foundry. Three forms of hardening were tried: short period bak-  
ing in an electric oven without air circulation, action of an  
atmosphere of CO<sub>2</sub> in an open vessel, and injection of CO<sub>2</sub>  
from a gas bottle. 1 ref.

of glass

POTOCKI, Aleksey

The application of the powder electrode as a new method of determining the reinforcing properties of carbon-black. Przem chem 40 no.12:694 D '61.

1. Katedra Technologii Chemicznej, Zaklad Technologii Kauczukow i Gumy, Politechnika, Gdansk.

L 09058-67 EWP(j) LIT(c) WW/JW/JWD/WE/RH  
ACC NR AT6033760 SOURCE CODE: PO/2537/65/000/008/0145/0161

AUTHOR: Potocki, Aleksy; Winięcki, Sławomir; Dudęd, Bernard 49

ORG: Institute of Technology of Rubber (Zakład technologii kauczuków i gumy)

TITLE: Stability of vulcanized rubbers in liquid fuels containing aromatic compounds 15

SOURCE: Danzig. Politechnika. Zeszyty naukowe., no. 58, 1965. Chemia, no. 8, 145-161

TOPIC TAGS: nitrile rubber, acrylonitrile, polymer, polymer cross linking, liquid fuel, vulcanized rubber, aromatic compound, polysulfide polymer, polysulfide rubber

ABSTRACT: The authors investigated the effect of swelling-causing aromatic compounds in liquids on the properties of vulcanized rubbers made from nitrile rubbers with different contents of acrylonitrile, from polysulfide rubbers, and from a mixture of polysulfide and nitrile rubbers. Tests of softening nitrile rubber by a liquid polysulfide polymer have indicated an increase in resistance to swelling with the formation of cross linked network structure in the polysulfide polymer 11

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ACC NR: AT6033760

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during vulcanization. It is established that an increase of resistance to swelling of vulcanized rubbers in liquid fuels, containing a considerable amount of aromatic compounds is obtained by the use of mixture of nitrile rubber with polysulfide rubber. Orig. art. has: 6 figures and 5 tables. [Based on authors' abstract]

SUB CODE: 11/ SUBM DATE: none/ SOV REF: 005/ OTH REF: 004/

Card 2/2 <sup>hip</sup>

POPOCKI, J.; WILKIN, S.; WU-RAN, A.

Causes of the Increased consumption of crankshaft bearings in aircraft engines.  
Pr. izv. SSSR. 0.130.  
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Vol. 6, no. 4, Apr. 1956

So. East European Accessions List

Vol. 5, No. 9

September 1956

POTCCKI, JAROSLAW

"On the tracks and in the wastes of Alaska"

p. 265 (Iskry, 1956, Warsaw, Poland)

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ECKSTEIN, Zygmunt; EJMCOCKI, Zdzislaw; POTOCKI, Jan; SOBOTKA, Wieslaw;  
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Obtaining of 3,4-dio-substituted phenoxyalkanocarboxylic acids.  
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1. Katedra Technologii Organicznej II, Politechnika, Warszawa

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Technical progress in the construction of busses in the  
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598 '61.

1. Sanocka Fabryka Autobusow.

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Requirements and tendencies in the development of a new motor-  
bus construction. Tech motor 11 no.12:403-407 D '61.

POTOCKI, T.

"Schools of Competition in Work." p. 271 (Motoryzacja, Vol. 8, No. 10, Oct. 1953,  
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SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June,  
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POTOCKI, T.

(MOTORZACJA, Vol 9, No. 1, Jan. 1954, Warszawa, Poland)  
"For further development of on-the-job training in the branch of the Central  
Board of Automobile Equipment." p. 7.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954



POTCCKO, E.

"A frequency meter with a stop watch."

p. 371 (Sdelovaci Technika) Vol. 5, no. 12, Dec. 1957  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

PCTOCKO, E.

Measurement methods using an electronic-stop watch. p. 375.

SDELOVACI TECHNIKA. (Ministerstvo strojirenstvi) Praha, Czechoslovakia.  
Vol. 7, no. 10, Oct. 1959.

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POTOCKOVA, Marie

Method for gymnastic lessons for women. Cesk.zrn.26[40] no.1/2:  
23-25 F '61.

1. Zdravotnicka skola v Brne.  
(PHYSICAL EDUCATION AND TRAINING)

KAVECANSKY, V., inz.; POTOCKY, L., inz.

Examination of the internal stress distribution in semicry-  
stalline Fe-Si sheets by the Bitter-Akulov powder method.  
Sbor VST Kosice 2: 13-21 '62.

1. Katedra fyziky, Vysoka skola technicka, Kosice.

POTOTSKIY, V. [Potocky, V.]; KOLYARZH, M. [Kolar, M.]

Spontaneous pneumothorax as a manifestation of pulmonary cancer and pulmonary metastases. Vop.onk. 7 no.11:38-43 '61.

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1. Iz radiologicheskoy kliniki (zav. - prof. V. Shrab) meditsinskogo fakul'teta Karlova universiteta v Prage, Chekhoslovatskaya Sotsialisticheskaya Respublika. Adres Potocky, V.: Radiologicka klinika Praha 2, U nemocnice 2.

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KACL, J.; KOLAR, J.; MARX, F.; PALECEK, L.; POTOCKY, V.

Osseous changes as sequelae of post-traumatic vascular diseases. Cesk.  
rentgenol. 16 no.2:109-115 Ap '62.

1. Radiologicka klinika fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof. dr. V. Svab.

(BONE DISEASES etiol)  
(VASCULAR DISEASES PERIPHERAL compl)

POTOCNIK. D.

Yugoslavia (430)

Law - Serials

Census in Yugoslavia, p1 164. LJUDSKI PRAVNIK. (Društvo Pravnika  
Judske Republike Slovenije) Ljubljana. (Monthly of the Association  
of Jurists of the People's Republic of Slovenia) Vol. 2. no 5-6,  
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The first two federal budgets (1946, 1947) p. 109 Ljudski Pravnik. (Društvo Pravnika Republike Slovenije) Ljubljana. (Monthly of the Association of Jurists of the People's

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UNCLASSIFIED. "Card 1 of 2"

POTOCNIK, D.

Yugoslavia (430)

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"Revision of formulas for credit policies." p. 174. (FINANSIJE, Vol. 7, no. 9/10, Sept./Oct. 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, L. C., Vol. 2, No. 7, July 1953 , Uncl.

POTOCNJAK, Zarko, dr

Responsibility of railroads for partial loss and damage  
of merchandise in case of a repeated forwarding. Zeleznice  
Jug 19 no. 11: 25-42 N '63.

POTOCNJAK, Zarko, dr

Under the terms of the new International Convention Respecting Carriage of Goods by Rail (CIM) the noncontractual (delict) responsibility on the part of railroads is excluded. <sup>Z</sup>eleznice Jug 19 no.4:20-28 Ap '63.

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ill will or heavy negligence on the part of the railroads.  
Pt.1. Zeleznice Jug 20 no.9:22-28 S 164.

POTOCNJAK, Zarko, dr

Amount of indemnity for damages to merchandise caused  
by ill will or heavy negligence on the part of railroads.  
Pt. 2. Zeleznice Jug 20 no.10:35-40 0 '64.

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"Liability of railroads for delays, losses, and damages of goods in international railroad transportation; based on the International Convention Concerning the Transport of Goods by Rail (CIM) of October 25th, 1952."

p. 23 (Zeleznice) Vol. 13, no. 11, Nov. 1957  
Belgrade, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4,  
April 1958



POTOCNJAK, Z.

Limited responsibility of railroads for damages of goods caused by special kind of factors. (To be contd.) p. 1.

Periodical: ZELEZNICE.

Vol. 15, no. 2, Feb. 1959.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, no. 4  
April 1959, Uncl.

POTOCNJAK, Z.

Limitation of the liability of railroads in cases of damages to goods caused by special factors. p. 1.

Periodical: ZELEZNICE.

Vol. 15, no. 3, Mar. 1959.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, no. 4  
April 1959, Uncl.

POLAND / Human and Animal Physiology (Normal and Pathological).  
Digestion.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60415

Author : Potoczek, S.

Inst : Not given

Title : Periodontosis and Digestive Diseases

Orig Pub : Czasop. stomtol., 1957, 10, No 12, 743-753

Abstract : In periodontosis (inadequacy of the circular ligatures of the dental periosteum), disturbances of the digestive tract were found in 85% of the cases, mainly chronic constipation.

Card 1/1

SZANTONIA, Irena; KRAKOWIAN, Halina; KWOLEK, Zbigniew; POTOCZEK, Stanislaw

Caries of the teeth of the maxilla and mandible in students at  
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1. Z Katedry Stomatologii Zachowawczej Akademii Medycznej we  
Wroclawiu (Kierownik: dr. med. S. Potoczek).

TOPOCNY, Miroslav

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Shornik Ceskoslovenske Zemejske Spolecnosti, Vol 66, No 4, 61, p 30.

Data: CSN /Organisace Spolecnosti Narodu; United Nations Organization/ 1945-1960. Prague, State Publishing House of Political Literature (Statni nakladatelstvi politicke literatury), 1960: 364 pages.

GPO 981643

JANIAKOWA, Alina; POTOCZEK, Stanislaw

Indications for the application of corticosteroids in hemorrhagic diathesis of the hemophilic type. Polskie arch.med.wewn. 30 no.6: 786-789 '60.

l. Z III Kliniki Chorob Wewnętrznych A.M. we Wrocławiu  
Kierownik: prof. dr med. E.Szczeklik  
(ADRENAL CORTEX HORMONES ther)  
(HEMOPHILIA ther)

SZCZEKLIK, Edward; JANIAKOWA, Ajna; POTOCZEK, Stanislaw

Effect of shock on blood coagulation in myocardial infarct. Polskie  
arch.med.wewn. 30 no.7:972-974 '60.

1. Z III Kliniki Chorob Wewnętrznych A. M. we Wrocławiu Kierownik:  
prof. dr med. E.Szczeklik.  
(MYOCARDIAL INFARCT compl)  
(BLOOD COAGULATION)  
(SHOCK)

JANIAKOWA, Alina; KOTIAREK-HAUS, Sabina; POTOCZEK, Stanislaw; TKACZEWSKI, Wladyslaw

Data on the increase of non-protein nitrogen during coagulation & fibrinolysis in arteriosclerosis. Polski tygod. lek. 13 no.24:921-923  
16 June 58.

1. (Z III Kliniki Chorob Wewnetrznych A. M. we Wroclawiu; kierownik: prof. dr Edward Szczeklik). Adres: Wroclaw, ul. Traugutta 57. III B Klin. Chor. Wewn. A. M.

(ARTERIOSCLEROSIS, blood in non-protein nitrogen after blood coagulation & fibrinolysis (Pol))

(NITROGEN, in blood in arteriosclerosis, levels after blood coagulation & fibrinolysis (Pol))

(BLOOD COAGULATION of arteriosclerotic sera, non-protein nitrogen levels (Pol))

(FIBRIN fibrinolysis of arteriosclerotic sera, non-protein nitrogen levels (Pol))



JANIAKOWA, Alina; POTOCZEK, Stanislaw

Hemophilia A resistant to therapy. Polski tygod. lek. 13 no.20:758-763 19 May 58.

1. (Z III Kliniki Chorob Wewnętrznych Akademii Medycznej we Wrocławiu; kierownik Kliniki: prof. dr Edward Szczeklik) Adres: Wrocław, III Klinika Chor. Wewn. A. M. W.

(HEMOPHILIA, immunol.

antibody develop. after blood transfusions in hemophilia A, case report (Pol))

(BLOOD TRANSFUSIONS, in various dis.

hemophilia A, develop. of antibodies, case report (Pol))

POTOCNJAK, Zarko, dr.

Limitation of liability of railroads for regular loss of weight of  
goods during transportation. Zeleznice Jug 17 no.9/10:13-19 '61.

(Railroads) (Liability(Law))

POTOK, Edmund, mgr inz.

Activities of the Section of Power Engineering of the Association  
of Engineers and Technicians of the Metallurgical Industry.  
Energetyka przem 10 no.12:432-433 D '62.

POTOK, E.

Rational management of electricity as a basic factor in industrial efficiency, p. 41.  
(ENERGETYKA, Stalinograd, Vol. 9, no. 1, Jan./Feb. 1955.)

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

POTOK, Edmund, mgr inz.

Struggle for rational power management as one of the supreme tasks of material management. Gosp paliw 11 no.11:433 N '63.

L 8514-66 EWP(t)/EWP(b) JD

ACC NR: AP5025559

SOURCE CODE: PO/0021/65/000/008/0308/0311

49  
48  
B

AUTHOR: Potok, Edmund (Master engineer); Paszek, Wladyslaw (Docent, Doctor, Engineer); Kubek, Jerzy (Doctor, Engineer); Hickiewicz, Jerzy (Master engineer); Zywiec, Aleksander (Master engineer); Glinka, Tadeusz (Master engineer); Mizia, Wladyslaw (Master engineer)

ORG: [Potok] "Laziska" Ironworks (Huta "Laziska"); [Paszek, Kubek, Hickiewicz, Zywiec, Glinka, Mizia] Department of Electrical Machines, Silesian Polytechnic Institute (Politechnika Slaska Katedra Maszyn Elektrycznych)

TITLE: Advanced method of controlling the feed of electrodes in electric arc furnaces by means of transducers

SOURCE: Przegląd elektrotechniczny, no. 8, 1965, 308-311

TOPIC TAGS: arc furnace, electrode, automatic control system, measuring instrument, *transducer*

ABSTRACT: After a brief discussion of the operational characteristics of electric arc furnaces the paper discusses at length the requirements which must be met by electrode feed systems. The systems controlling the electrode feed in arc furnaces are then divided into five groups depending on the measurement and the amplifying units. Control systems using transducer amplifiers are discussed and their advantages in comparison with the other methods are pointed out. A schematic of an electrode feed control system employing transducers developed by Silesian Polytechnic Institute (Politechnika Slaska) is shown. It consists of a measurement unit,

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ACC NR: AP5025559

amplifiers, and a motor drive. The measurement unit compares voltages which are proportional to the arc current and arc voltage. The simplified equivalent circuit of the measurement unit is analytically investigated. The system was fabricated to be used in an arc furnace in the "Laziska" Ironworks (Huta "Laziska") for smelting ferro-manganese. The size of the system is 1.85x0.7x1.85, and its operation is illustrated by a number of oscillograms. The results of tests in operation are given. Orig. art. has: 12 figures and 7 formulas.

SUB CODE: EC, IE / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003 / SOV REF: 001

Card 2/2 *W*

POYOK, Edmund, mgr inz.

Experimentally established definition of the per unit  
consumption of electric power in the production of ferrosilicon.  
Gosp paliw 12 no. 3: 97-58 Mr '64



AUBAKIROVA, R.B.; KOZLOVSKAYA, Z.A.; POTOK, S.I.; SHISHALOV, V.A.

Antofagastite and botallackite from the oxidation zone of the  
Dzhezkazgan deposit. Izv. AN Kazakh. SSR. Ser. geol. 21 no.5:  
90-95 S-O '64. (MIRA 18:5)

1. Institut geologicheskikh nauk im. K.I.Satpayeva AN KazSSR,  
Alma-Ata.

GEKHT, I.I.; POTOX, S.I.

Determination of ferrous oxide in tourmalines in small batches.  
Vest.Kazakh.SSR 16 no.9:68-71 S '60. (MIRA 13:9)  
(Iron oxides) (Tourmaline)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,  
P 91 (USSR) 15-57-7-9370

AUTHORS: Yanulova, M. K., Potok, S. I.

TITLE: A Bismuth Mineral in the Karagayly Deposit (O vismu-  
tovom minerale Karagaylinskogo mestorozhdeniya)

PERIODICAL: Izv. AN KazSSR, ser. geol., 1956, Nr 25, pp 100-106

ABSTRACT: Aikinite has been identified in the mineralized skarns  
of the Karagayly lead-zinc deposit. The mineral  
forms elongate-prismatic crystals with longitudinal  
striations and without terminations. The crystals are  
commonly fractured, broken, bent, or twisted. Indi-  
vidual crystals or grains reach a length of 10 mm and  
a cross-sectional diameter of 2 mm. The mineral is  
silvery blackish gray; its luster is strongly metallic;  
its hardness is 2 to 2.5, and its specific gravity  
6.9 to 7.16. Microscopic study has shown that its

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A Bismuth Mineral in the Karagayly (Cont.)

15-57-7-9370

reflecting power is equivalent to that of galena, but the color is a scarcely detectable yellow. The relief is almost the same as for galena. The variation in reflection is weak, but the mineral is clearly anisotropic. Anhedral and elongated grains are distinguished under the microscope. The mineral effervesces in HNO<sub>3</sub> and turns black. It contains Bi 30.4 percent, Pb 39.3 percent, Cu 10.4 percent, S 15.7 percent, SiO<sub>2</sub> 3.2 percent, CaO 0.4 percent: total 99.4 percent. In a garnet skarn body, the aikinite forms large, irregular, locally rather thick disseminations, most commonly associated with nests of sphalerite and segregations of chalcopyrite. In zones of wollastonite skarns, it forms small, uniformly thin disseminations. In veinlets and nests of quartz, the aikinite is found in idiomorphic crystals with a well-developed prismatic zone. The mineral is associated with sphalerite, chalcopyrite, galena and, rarely, bornite and other minerals.

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K. N. Ryabicheva