

RASOV, Aleksey Vasil'yevich; KAHETNIKOV, Aleksey Dmitriyevich;
BERNGARD, K.A., red.; BOBROVA, Ye.N., tekhn.red.

[Train sheets] Grafik dvizhenia poesdov. Izd.2., perer. i dop.
Moskva, Vses.isdatel'sko-poligr.ob'edinenie M-va putei soobshche-
niia, 1960. 314 p. (MIRA 13:9)
(Railroads--Traffic)

BERNGRAD, K.A., doktor tekhn.nauk; VASIL'YEV, G.S., kand.tekhn.nauk;
BIKCHENTAY, N.A., inzh.; FROLOV, I.A., inzh.

Ways for traffic control automation in large railroad junctions.
Vest.TSNII NPS 19 no.6:3-8 '60. (NIRA 13:9)
(Automatic control) (Railroads--Train dispatching)

BERNGARD, K.A., doktor tekhn.nauk, prof.; BIKCHENTAY, M.A., inzh.

Automation of the current planning of train handling in large
junction points. Vest. TSNII MPS 20 no.7:6-9 '61. (MIRA 14:12)
(Railroads—~~Making up trains~~)
(Electronic calculating machines)

BERNGARD, K.A., prof., doktor tekhn.nauk

Advantages of a concentration of the classification operations.
Zhel.dor.transp. 43 no.12:52-56 D '61. (MIRA 15:1)
(Railroads--Hump yards)

TSARENKO, Anatoliy Petrovich; AKSENOV, I.Ya., kand. tekhn. nauk,
retsenzent; BERNGARD, K.A., prof., doktor tekhn.nauk,
retsenzent; GITKOVICH, V.K., red.; USENKO, L.A., tekhn.
red.

[A train takes off]Poezd otpravliaetsia v put'. Moskva,
Tranzheldorizdat, 1962. 141 p. (MIRA 15:10)
(Railroads)

PETROV, A.P., doktor tekhn. nauk, prof.; DUVALYAN, S.V., kand. tekhn. nauk; ABADUROVA, Ye.V., inzh.; ZHURAVLEV, M.M., inzh.; KHANDKAROV, Yu.S., inzh.; SAMARINA, N.A., inzh.; ZAV'YALOV, B.A., kand. tekhn. nauk; BERNGARD, K.A., doktor tekhn. nauk, prof.; VASIL'YEV, G.S., kand. tekhn. nauk; BIKCHENTAY, M.A., inzh.; FROLOV, I.A., inzh.; SIDEL'NIKOV, V.M., inzh.; MOKROUSOVA, N.I., inzh.; POZAMANTIR, E.I., kand. tekhn. nauk; GLUZEERG, E.A., retsenzent; MAKSIMOVICH, B.M., kand. tekhn. nauk, retsenzent; PREDE, V.Yu., inzh., red.

[Use of electronic digital computers in compiling train sheets] Sostavlenie grafika dvizhenia poezdov na elektronnykh tsifrovyykh vychislitel'nykh mashinakh. Moskva, Transzheldorizdat, 1962. 199 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov).
(Railroads--Train dispatching)
(Railroads--Electric equipment)

ZUBKOV, Ivan Ivanovich, kand. tekhn. nauk; UGRYUMOV, Arkadiy
Konstantinovich, kand. tekhn. nauk; BERNGARD, E.A., doktor
tekhn. nauk, retsenzent; BOGDANOV, I.A., inzh., retsenzent;
ZHURAVLEV, M.M., inzh., retsenzent; KOZAK, V.A., inzh.,
retsenzent; ROZENBERG, A.D., inzh., retsenzent; RYAZANTSEVA,
Yu.A., inzh., retsenzent; SKALOV, K.Yu., kand. tekhn.nauk,
retsenzent; PREDE, V.Yu., inzh., red.; KHITROVA, N.A., tekhn.
red.

[Traffic organization in railroad transprtation]Organizatsiia
dvizheniia na shelesnodorozhnom transporte. Izd.2., perer. i
dop. Moskva, Transsheldorizdat, 1962. 399 p. (MIRA 16:1)
(Railroads--Traffic)

BERNGARD, K.A., prof., doktor tekhn.nauk; VOROB'YEV, N.A., kand.tekhn.nauk;
KANDELINSKIY, A.M., inzh. (Dnepropetrovsk); KARNOVSKIY, A.I.,
kand.tekhn.nauk (Dnepropetrovsk); NIKULIN, I.I., kand.tekhn.nauk;
(Dnepropetrovsk)

"Organization of railroad traffic" by I.G.Tikhomirov, V.A.
Bulanov, A.V.Vinnichenko. Reviewed by K.A.Berngard and others.
Zhel.dor.transp. 44 no.8:94-96 Ag '62. (MIRA 15:8)

1. Zamestitel' nachal'nika Pridneprovskoy dorogi (for Kandelinskiy).
(Railroads—Traffic) (Tikhomirov, I.G.)
(Bulanov, V.A.) (Vinnichenko, A.V.)

BERNGARD, K.A., doktor tekhn.nauk; MEZHOVA, R.V., kand.tekhn.nauk

Analysis of the plan for making up direct trains on extended haul
distances. Vest.TSNIIMPS 21 no.7:17-21 '62. (MIRA 15:12)
(Railroads—Making up trains)

PETROV, A.P., doktor tekhn. nauk, prof.; TULUPOV, L.P., kand. tekhn. nauk; KRYUKOV, N.D., kand. tekhn.nauk; GUNDOBIN, V.N., inzh.; VASIL'YEV, G.S., kand. tekhn. nauk; GRISHIN, M.S., kand. tekhn. nauk; MOROZOVA, K.N., inzh.; ROZE, V.A., inzh.; LEVSHIN, G.L., inzh.; BERNGARD, K.A., doktor tekhn. nauk, prof.; BIKCHENTAY, M.N., inzh.; BUYANOV, V.A., inzh.; ILOVAYSKIY, N.D., inzh.; MUKHAMEDOV, G.A., kand. tekhn.nauk; MIROSHNICHENKO, A.P., inzh.; ANDRIANOV, V.P., inzh.; BUTS, V.D., inzh.; KAZIMOV, A.A., inzh.; KIREYEV, O.P., inzh.; DYUFUR, S.L., kand. tekhn. nauk; USTINSKIY, A.A., kand. tekhn. nauk; MIKHAYLOV, S.M., inzh.; NESTEROV, Ye.P., kand. tekhn. nauk, retsenzent; LIVSHITS, V.N., inzh., retsenzent; PREDE, V.Yu., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Control of transportation processes using electronic digital computers] Upravlenie perevozochnym protsessom s primeneniem elektronnykh tsifrovyykh vychislitel'nykh mashin. Pod obshchei red. A.P.Petrova. Moskva, Transzheldorizdat, 1963. 207 p. (MIRA 16:8)

1. Chlen-korrespondent AN SSSR (for Petrov).
(Railroads--Management) (Electronic digital computers)

BERNGARD, K.A., prof., doktor tekhn.nauk

Specialization of the tank car fleet. Zhel.dor.transp. 45 no.2:44-49
F '63. (MIRA 16:2)

(Tank cars)

BERNGARD, K.A.

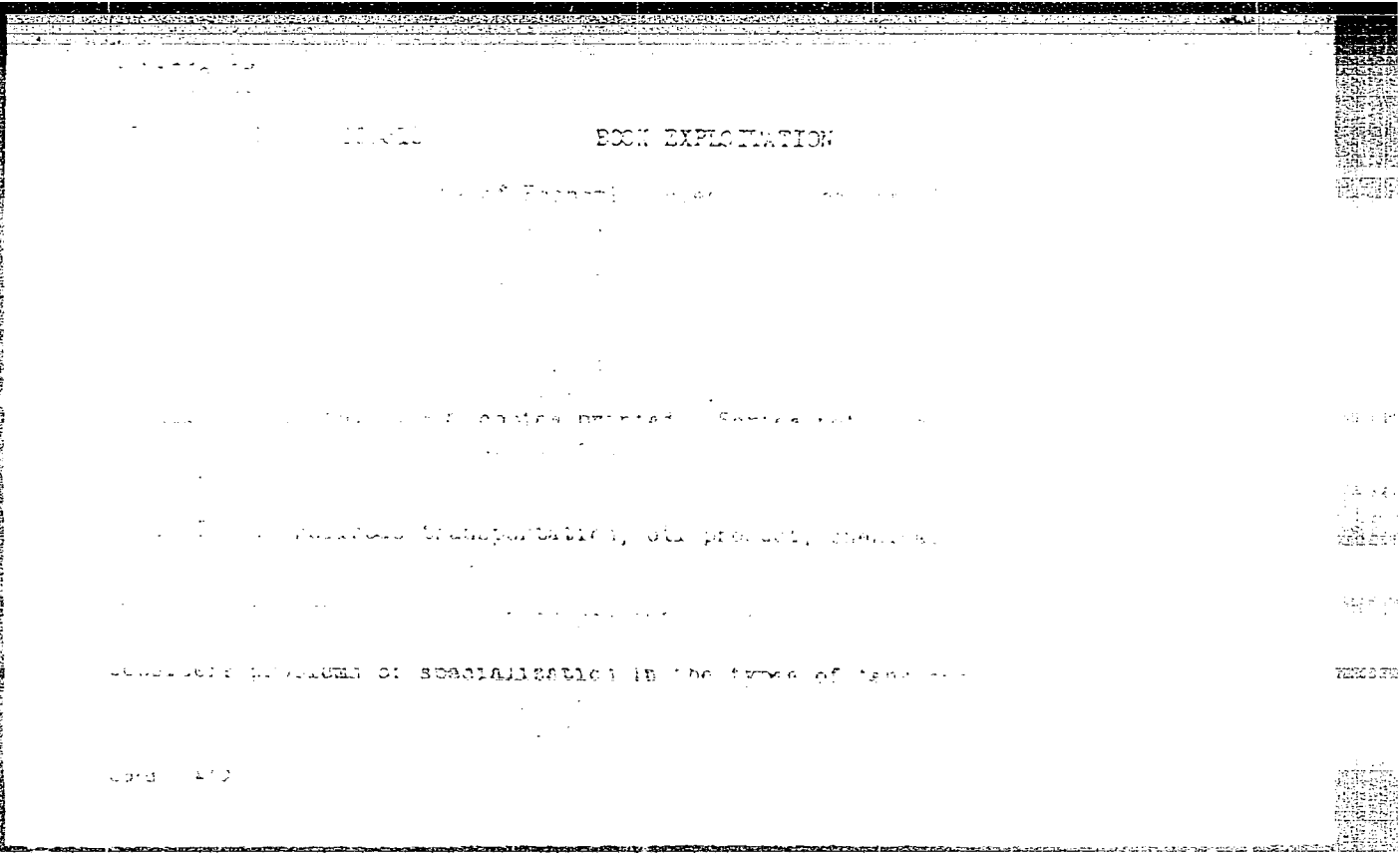
Review of V.T. Osipov's book "Express train shipments and prospects for increasing their efficiency." Izv. AN SSSR. Energ. 1 transp. no.5:656-658 5-0 '63. (MIRA 16:11)

BERNGARD, K.A., prof., doktor tekhn.nauk; MEZHOVA, R.V., kand.tekhn.nauk

Specialization of tank cars for the transportation of chemicals. Zhel.-
dor.transp. 45 no.12:11-14 D '63. (MIRA 17:2)

BERNGARD, K.A., prof., doktor tekhn.nauk

Improvement of the plan for forming trains. Zhel.dor.transp. 46 no.118
22-27 N '64. (MIRA 18:1)



Background

1. The purpose of this report is to provide a summary of the current status of the transportation system in the United States.

2. The transportation system in the United States is a complex and multi-modal system. It consists of a variety of modes of transport, including air, rail, road, and water. The system is characterized by a high degree of intermodal connectivity and a high level of efficiency.

3. The transportation system in the United States is a critical component of the nation's infrastructure. It is essential for the movement of goods and people, and it plays a vital role in the economy.

4. The transportation system in the United States is facing a number of challenges, including aging infrastructure, increasing demand, and environmental concerns.

5. The current status of the transportation system in the United States is generally good, but there are a number of areas that need to be addressed.

6. The following are some of the key areas that need to be addressed:

7. The transportation system in the United States is a complex and multi-modal system. It consists of a variety of modes of transport, including air, rail, road, and water. The system is characterized by a high degree of intermodal connectivity and a high level of efficiency.

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Card 3/3

BERNGARD, K.A., prof., doktor tekhn.nauk

Reduction of idle time is the main way for the intensification of
car utilization. Zhel.dor.transp. 47 no.4:8-13 Ap '65.

(MIRA 18-4)

BERNHARD, H.

BERNHARD, H. Open cowsheds. p. 24. Vol. 8, no. 10, Oct. 1956.
BUDOWNICTWO WIFJSKIE. Warszawa, Poland.

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

BERNHARD, H.

BERNHARD, H.; TUMANOWICZ, L.

BERNHARD, H.; TUMANOWICZ, L. Remarks and motions resulting from the Breslau Conference of Rural Building. p. 13.

Vol. 8, no. 8, Aug. 1956
BUDOWNICTWO WIEJSKIE
AGRICULTURE
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

LANCUCKI, Jan; PAWLOWSKI, Andrzej; BERNHARDT, Emilia

Insulin sub-shock therapy of alopecia areata. Przegł.derm. Warsz. 47
no.5:385-392 9-0 '60.

1. Z Kliniki Dermatologicznej A.M. w Warszawie Kierownik: prof.
dr S.Jablonska

(ALOPECIA AREATA ther)
(SHOCK THERAPY INSULIN)

BERNHARDT, Gy

EPITES — EPTIESZET —
BUILDING — ARCHITECTURE
Vol. II. — 1950
No. 9-10, Sept.-Oct.

gy Bernhardt 69 78
Some technical problems for the pro-
tection of workers in the building in
dusty. pp 699-711

ASA-31A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	SERIALIZED	FILED

BERNHARDT, GYORGY

Az állami szervek munkavedelmi feladatai. (Budapest) Nepszava a Szakszervezetek Országos Tanácsa Lap-és Könyvkiadó Vállalata (1955) 104 p. (Társadalmi munkavedelmi felügyelők és biztonsági megbízottak könyvtára, 4) (Tasks of state organs in labor safety)

SU: Monthly List of East European Accessions (EEAL) IC, Vol. 6, no. 9, Sep. 1957. UPCI.

BERNHARDT, Gyorgy

On the significance of training labor safety specialists. Munka
13 no.1:32 Ja '63.

1. Szakszervezetek Országos Tanácsa Felsőfoku Munkasvedelmi
Tanfolyamanak helyettes igazgatója.

BERNHARDT, Gyorgy

Training of labor safety specialists in Hungarian higher schools. Munkavedelem 10 no.7/9:16-22 '64.

1. Higher Course of Instruction of Labor Safety of the Central Council of Hungarian Trade Unions, Budapest.

JOSFAY, Gyorgy; BERNHARDT, Gyula, szakmunkas, hibamegallapito csoportvezeto, hatvanhatszeres ujito; SPRENGER, Kornel, uzemtechnikus; GYOROK, Jozsef; BALOGH, Nandor, ujitasi eloado; KOVACS, Ferenc, ujitasi eloado; KOCSIS, Laszlo, formernok

Two questions on the role of television in the field of innovations.
Ujit lap 15 no.17:10 10 S '63.

1. Csepel Vas- es Fennuvek Eromu es Szolgaltato Uzeme.

8/273/63/000/001/013/013
A052/A126

AUTHORS: Berngardt Maciej, Radziwili Maciej

TITLE: Theoretical principles of rotary Wankel engines

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 39. Dvigateli vnutrennego sgoraniya, no. 1, 1963, 46, abstract 1.39.281 (Techn. motoryz., v. 12. no. 4 - 5, 1962, 110 - 115; Polish)

TEXT: The operating principle of Wankel engines is discussed and compared with that of two- and four-cycle piston engines. A method for calculation and formulae for computing kinematic and dynamic parameters of KKM type Wankel engines are given. A table of basic characteristics of Wankel engines built by NSU and Curtis-Wright is presented. There are 1 figure and 17 references.

[Abstracter's note: Complete translation]

Card 1/1

BERNHARDT, Josef, inz.

Automatic switch tending from a running locomotive. Uhli 6
no.6:213 Je '64.

1. Zavod automatizace a mechanizace, Ostrava.

BERNHARDT, M.

"The Regeneration of Injection Pumps by the Chroming of Pistons" p. 112
(Technika Motoryzacyjna, Vol. 3, No. 4, April, 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,
February, 1954, Uncl.

BERNHARDT, M.

"Two-phase Fuel Injection in Modern High-compression Motors", P. 246,
(TECHNIKA MOTORYZACYJNA, Vol. 4, No. 8, August 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (EMAL), IC, Vol. 4, No. 3,
March 1955, Uncl.

BERNHARDT, M.

Theoretical and practical problem of hydrokinetic couplings. p.9. (TECHNIKA
MOTORYZACYJNA, Warszawa, Vol. 5, No. 1, Jan. 1955)

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

BERNHARDT, M.

New high-compression Packard motors. p. 156, Vol. 5, no. 5, May 1955, **TECHNIKA
MOTORYZACYJNA**

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, Vol. 4, No. 9
Sept. 1955, Uncl.

BERNHARDT, M.

Testing feelers of electric indicators.

p. 330
Vol. 5, no. 11, Nov. 1955
TECHNIKA MOTORYZACYJNA
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

BERNHARDT, M.

Problems of adjusting four-cycle gasoline engines. Pt. 1. (To be contd.)

p. 340
Vol. 5, no. 11, Nov. 1955
TECHNIKA MOTORYZACYJNA
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
March 1956

BERNHART, M.

Centrifugal oil filters. p. 302.

(TECHNIKA MOTORYZACYJNA. Vol. 6, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

BERNHART, M.

T. Srodulski and M. Zablocki's Gazniki samochodowe (Automobile Carburetors);
a book review. p. 311.
(TECHNIKA MOTORYZACYJNA. Vol. 6, no. 9, Sept. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

BERNHARDT, H.

Some problems of two-piston engines. p. 223.

TECHNIKA MOTORZACYJNA. (Naczeina Organizacja Techniczna) Warszawa, Poland.
Vol. 9, No. 6, June 1959.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9 September,
1959. Uncl.

BERNHARDT, Maciej, dr inz.; RADZIWIŁŁ, Maciej, mgr inz.

Theoretical basis of engines with Wankel rotating pistons.
Techn motor 12 no. 4/5: 110-115 Ap-May '62.

BERNHARDT, Maciej, dr inz.

"Basic measurements in heat-power engineering" by [doc. inz.]
F. Kotlewski. Reviewed by Maciej Bernhardt. Techn motor
12 no. 6: 203-204 Je '62.

L 18285-63

BDS

P/0032/63/010/001/0057/0074

ACCESSION NR: AP3001849

48

AUTHOR: Bernhardt, Maciej (Warsaw)

TITLE: Geometric and machining problems connected with the cylinder form of the Wankel engine

SOURCE: Archiwum budowy maszyn, v. 10, no. 1, 1963, 57-74

TOPIC TAGS: cylinder form, Wankel engine, characteristic parameter, incidence angle, compression strip, piston

ABSTRACT: The author considers the basic problems connected with the cylinder outline of a Wankel engine. Equations of a pericycloid of a theoretical outline and of the curve of an actual cylinder outline are developed. Internal dimensions of the cylinder have been determined as well as the relationship between the maximum angle of incidence of the compression strip on top of the piston, on the one hand, and the characteristic parameter of the cylinder contour, on the other. Methods of cylinder machining are suggested. These are represented in Fig. 6 and 7 of the Enclosures. The basic geometric problems connected with machining methods, such as the jump surface and its calculation, are outlined. The concept of swept surface is introduced and its relationship with the characteristic

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ACCESSION NR: AP3001849

parameter of the cylinder outline is developed. Notions of the theoretical and actual degrees of compression have been determined. The approximate relationship between the theoretical compression ratio and the characteristic outline of the cylinder has been developed by a graphical method. Orig. art. has 50 formulas, 10 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00Jul62

DATE ACQ: 01Jul63

ENCL: 02

SUB CODE: MD

NO REF SOV: 000

OTHER: 006

Card

2/4 2

BERNHARDT, Maciej, dr inz.; LESNIAK, Antoni, mgr inz.

Method of determining the mechanical efficiency of combustion engines. Techn motor 12 no. 9: 306-314 S '62.

BERNHARDT, Maciej, dr inz.

The Wankel engine, Problemy 19 no.11:672-682 '63.

BERNHARDT, Maciej (Warszawa)

Geometric problems connected with the cylinder profile of
a Wankel engine and its machining methods. Archiw bud masz
10 no.1:57-74 '63.

BERNHARDT, Maciej, dr. inż.; LESNIAK, Antoni, mgr inż.

Possibilities of obtaining the optimum characteristic of
carburetor. Techn motor 13 no.1:8-13 Ja '63.

BERNHARDT, Maciej, dr inz.

Book reviews. Techn motor 14 no. 1:33-35 Ja '64.

BERNHARDT, Maciej, dr inz.

Graphic demonstration of the interrelation between the working parameters of a piston combustion engine. Techn motor 14 no. 2:53-56 F '64.

BERNHARDT, Maciej, dr inz.

Work of the combustion engine under unstable conditions. Techn
motor 14 no.12:365-370 D '64.

BERNHARDT, Maciej, dr inż.

Graphic method of defining the characteristic working features
of a combustion piston engine. Przegl mech 23 no. 5: 129-131
10 Mr '64.

1. Wojskowa Akademia Techniczna, Warszawa.

BERNHARDT, Maciej, dr inz.

Differential equations of operation parameters of an engine. Techn motor 14 no.11:344-347 N '64.

BERNHART, Josef, inz.

Fire protection of belt conveyer drives. Uhl 5 no.8:294 Ag '63.

1. ZAM, Ostrava.

CA Bernauer, K.

112

Comparative experiments on the formation of antibiotics by *Penicillium* species. Konrad Bernauer and Johann Rauch (Deutsch. Tech. Hochschule Prag). *Z. Naturforsch.* 4b, 208-19(1949).—Correlations were sought between antibiotic formation and particular portions of the mycological system of the mold group *Penicillium* "Link" by the streak test with different test organisms. Penicillin, claviformin, and citrinin predominate in certain groups and subsections while penicillic acid is produced by species found through the whole *Penicillium* classification. Some species in all sections and subsections produced antibiotics. The nutrient medium is very important in antibiotic formation; 165 out of 375 *penicillium* species examd. showed activity. Ivan A. Wolff

1952

67 BERNHAYER, B.

Oxidation by acetic acid bacteria. VIII. Method of bacterial oxidations in submerged cultures. Konrad Bernhauer and Erika Riedl-Těmová (Dout. Tech. Hochschule, Prague, Czech.). *Biochem. Z.* 330, 466-71 (1950); cf. *C.A.* 45, 700d. -- Discussion of tech. procedures. IX. Formation of oxogluconic acid by *Acetobacter melanogenum*. Erika Riedl-Těmová and Konrad Bernhauer. *Ibid.* 472-6. -- *Acetobacter suboxydans maciparum* produces predominantly 5-ketogluconate; *A. suboxydans* produces 2-ketogluconate, and *A. melanogenum* produces an oxogluconate with a sol. Ca salt in addn. to 5-ketogluconate. S. Morgulis

LAPIS, Karoly, dr.; BERNICZSI, Mihaly, dr.

Clinical and pathological data on breast cancer. *Magy.sebeszet*
13 no.5:292-300 0 '59.

1. Az Onkopathologiai Kutato Intezet (vezeto Prof. Dr. Kellner
Bela) es az Orszagos Onkologiai Intezet (igazgato: Dr. Venkei
Tibor az orvostudomanyok kandidatusa, tudomanyos vezeto:
Dr. Wald Bela az orvostudomanyok kandidatusa), Sebeszeti
osztalyanak (foorvos: Prof. Dr. Prochnow Ferenc) kozlemenye.
(BRMAST neopl)

BERNICZKI, Mihaly, dr.; LAPIS, Karoly, dr.

Clinical and pathological data on fibroadenoma of the breast.
Magy sebesset 13 no.6:359-364 D '59.

1. Az Országos Onkológiai Intézet (Igazgató: Venkai Tibor dr.,
az orvostudományok kandidátusa, tudományos vezető: Wald Béla dr.,
az orvostudományok kandidátusa) sebészeti osztályának (Főorvos:
Prof. Prochnow Ferenc) és Onkopathológiai Kutató Intézetének
(Vezető: Prof. Kellner Béla) közleménye.

(BREAST neopl)

(ADENOFIBROMA)

BERNICZEI, Mihaly, dr.

On retroperitoneal tumors. Magy. onkol. 6 no.2:95-100 My '62.

1. Országos Onkológiai Intézet, Sebészeti Osztály.
(RETROPERITONEAL SPACE neopl)

BERNICZEI, Mihaly dr.

On colonic and rectal cancer. Orv. hetil. 105 no.12:535-539
22 Mr'64.

1. Országos Onkologiai Intézet, Sebészeti Osztály (főorvos:
Prochnow, Ferenc dr.)

*

BERNIDUB, M. F.

**Causes of abnormal division on eggs in sturgeons. Doklady Akad.
nauk SSSR 83 no.6:941-944 21 Apr 1952. (GLML 22:2)**

- 1. Presented by Academician Ye. M. Pavlovskiy 31 February 1951.**
- 2. Leningrad State University imeni A. A. Zhdanov.**

L 40042-66 EWP(k)/EWT(m)/EWP(e)/EWP(t)/ETI IJP(c) WH/JD

ACC NR: AP6017106

(N)

SOURCE CODE: UR/0226/66/000/001/0081/0084

AUTHORS: Katrus, O. A.; Kovalev, S. N.; Vonogradov, G. A.; Bernik, Ye. B.

37

B

ORG: Institute for Problems of Materials Behavior, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR); Ukrainian Scientific Research Institute for Super-Hard Materials (Ukrainskiy nauchno-issledovatel'skiy institut sverkhтвердыkh materialov)TITLE: Manufacture of a diamond tool by powder rolling

SOURCE: Poroshkovaya metallurgiya, no. 1, 1966, 81-84

TOPIC TAGS: abrasive, diamond, powder metal compaction, *hand tool*

ABSTRACT: A method for manufacturing a diamond abrasive tool by hot rolling diamond and bronze powders is described. The effect of rolling temperatures on the abrasive stability of the tool was investigated. Hot rolling at 730--750C increases the stability of the tool by 4--5 times compared with the stability achieved by cold rolling. A photograph of the tool is presented. It is concluded that hot rolling diamond and metal powders offers good possibilities for the manufacture of diamond abrasive tools. Orig. art. has: 1 photograph.

SJB CODE: 3,11/

SUM DATE: 01Jun65/

ORIG REF: 005/

OTH REF: 001

Card 1/1 *gd*

BERNIKER, Ye.I.

Using glue in repair work. Mashinostroitel' no.7:16 JI '60.
(MIRA 13:7)

(Gluing)

(Machine tools--Maintenance and repair)

BERNIKER, Ye.I.

Keyless joints. Mashinostroitel' no.6:43 Je '63.
(Fastenings) (MIRA 16:7)

BERNIKER, Ye.I.

Molybdenum disulfide lubricants used in the machinery industry.
Mashinostroitel' no.12:20-21 D '64. (MIRA 18:2)

BERNIKER, Ye.I., insh.

Using structural steel transformations for obtaining press-fitted joints. Mashinostroenie no.3:19-21 My-Je '63.

(MIRA 16:7)

1. Izhorskiy saved im. A.A. Zhdanova.
(Forging)

BERNIKER, Yevgeniy Iosifovich, inzh.; LOBKOV, L.A., red.;
TELYASHOV, R.Kh., red.izd-va; GVIRTS, V.L., tekhn.red.

[Modern designs of press fittings; materials for designers
and engineers] Sovremennye konstruksii i raschety posadok
s garantirovannym natiagom; materialy dlia konstruktorov i
tekhnologov. Leningrad, 1963. 35 p. (Leningradskii Dom
nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom.
Seria: Mekhanicheskaiia obrabotka metallov, no.18)
(MIRA 17:3)

BERNIKER, Ye.I., inzh.

Calculation of fits with fixed tightness. Mashinostroenie no.4:35-
37 J1-Ag '63. (MIRA 17:2)

1. Izhorskiy mashinostroitel'nyy zavod.

ACCESSION NO: AP4015144

S/0117/64/000/002/0025/0025

AUTHOR: Berniker, Ye. I.

TITLE: Solid molybdenum disulfide lubricant

SOURCE: Mashinostroitel', no. 2, 1964, 25

TOPIC TAGS: molybdenum disulfide, lubricant, solid lubricant

ABSTRACT: Work leading to the utilization of MoS_2 is being conducted by the Leningrad machine industry. This dry lubricant with grain sizes $0.5-6\mu$ is distributed over cutting and bearing surfaces under pressure of 2.5 - 3.0 atm, and may be applied by rubbing or with special MoS_2 pencils. Its lubricating property is based on its structure. Each layer of molybdenum atoms lies between two layers of sulfur atoms, the latter providing the sliding surfaces. Since the action of MoS_2 is not related to its moisture content, the material can be used in a vacuum. It is also resistant to oxidation at -70 to 380C, does not conduct electricity, and does not absorb dust particles. When used on cutting tools this material increases their stability by a factor of 1.6 to 2; it also produces good results in stamping and pressing operations. Currently recommended dry lubricant contains 70 g of molybdenum disulfide, 7 g of graphite, 50 g of sodium silicate, and 60 g of water.

Card 1/2

ACCESSION NO: AP4015144

Applied to files as a suspension in alcohol, molybdenum disulfide increases their productivity by 50-66%.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: IE,MA

NO REF SOV: 000

OTHER: 000

Card 2/2

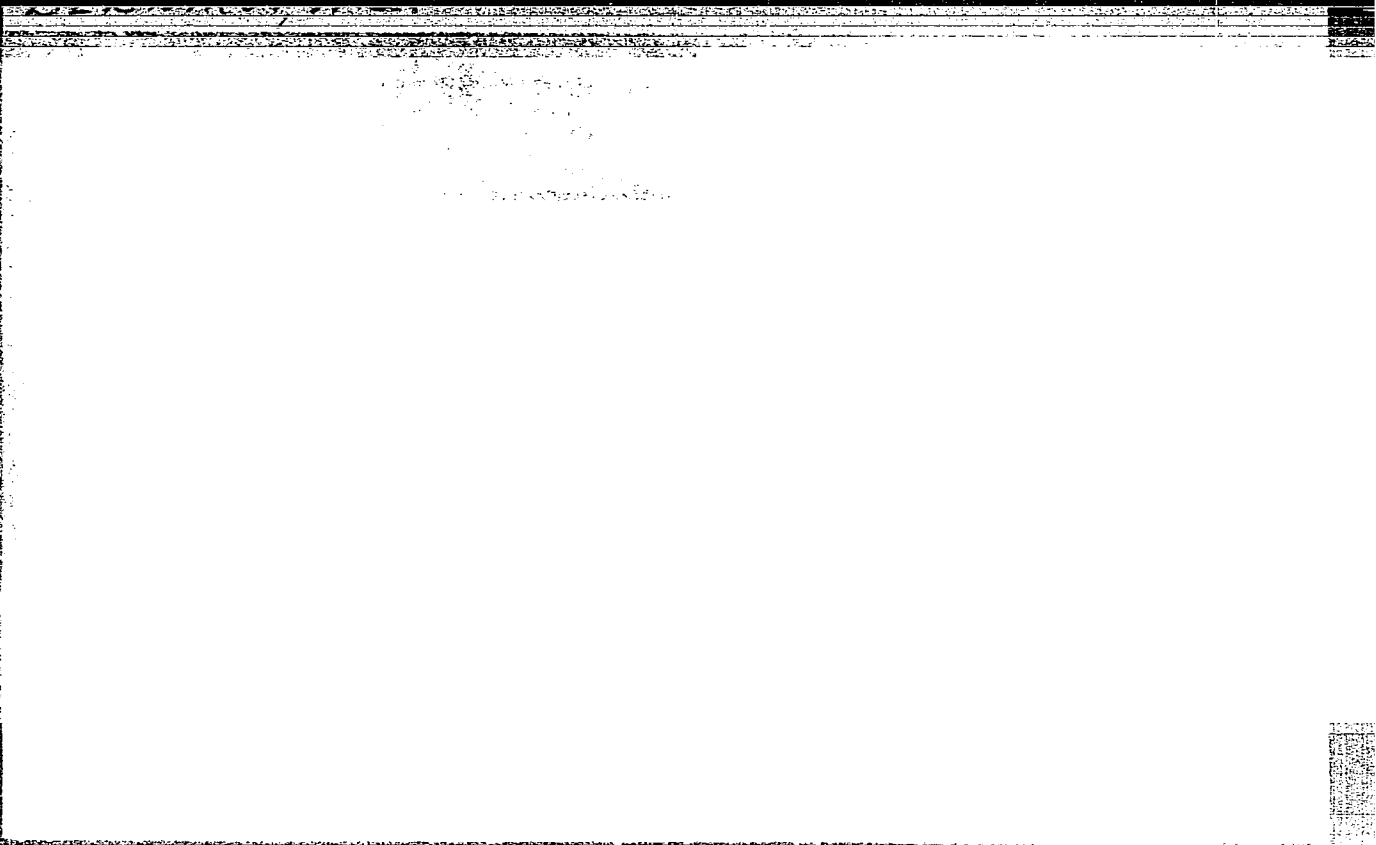
BERNIKER, Ye.I., inzh.

Some technological problems in obtaining fits with fixed tightness:
survey of foreign and Soviet literature. Vest. mashinostr. 44 no.10:
50-55 0 '64. (MIRA 17:11)

BERNIKOV, A., inzhener-polkovnik

New field luggage. Tyl i snat. Voor. Sil 21 no 4:65 Ap
'61. (MIRA 14:7)

(Luggage)
(Military supplies)



KRASNOV, Vladimir Nikitich; BERNIKOV, G.G., red.; KOROLEV, A.V.,
tekhn. red.

[Eyes and ears of a submarine] Glaza i ushi podvodnoi lodki.
Moskva, Izd-vo DOSAAF, 1961. 125 p. (MIRA 15:6)
(Submarine boats) (Periscopes) (Echo sounding)

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

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

COMMON ELEMENTS

COMMON VARIANTS INDEX

5

ca

Influence of cations adsorbed by soil on certain mechanical and ultra-mechanical fractions obtained by extraction. V. V. KRAMKOV. *Trans. Siberian Inst. Agr. For-estry Omsk 13, 31-36(1930)*.—The dispersive action of Na in podsol horizons varied in the order $A_1 > B > A_2$. Ca increased the stability of the microstructure in the A_1 horizon and to a smaller extent in the A_2 horizon, but was without effect in the B horizon. In solonetz soils the action of Ca was of similar intensity in the A_1 and B horizons.

B. C. A.

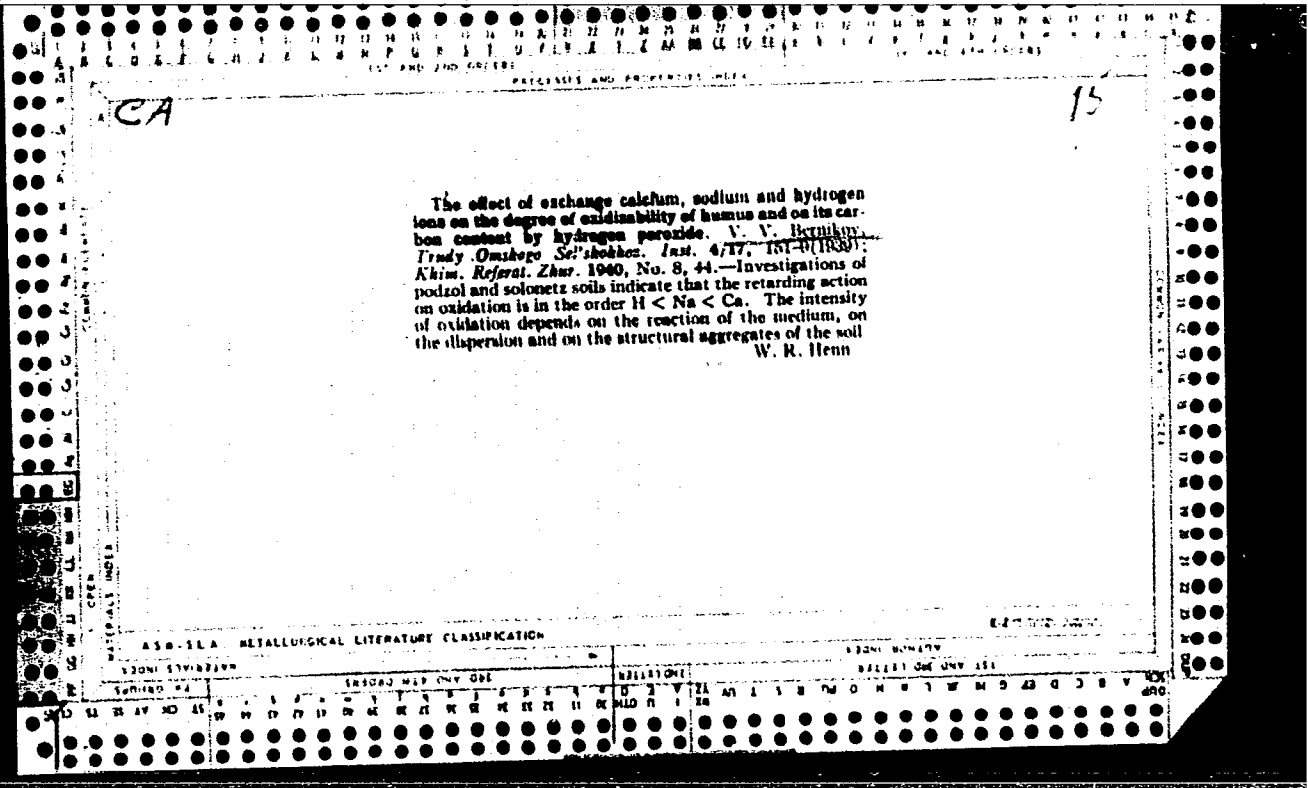
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

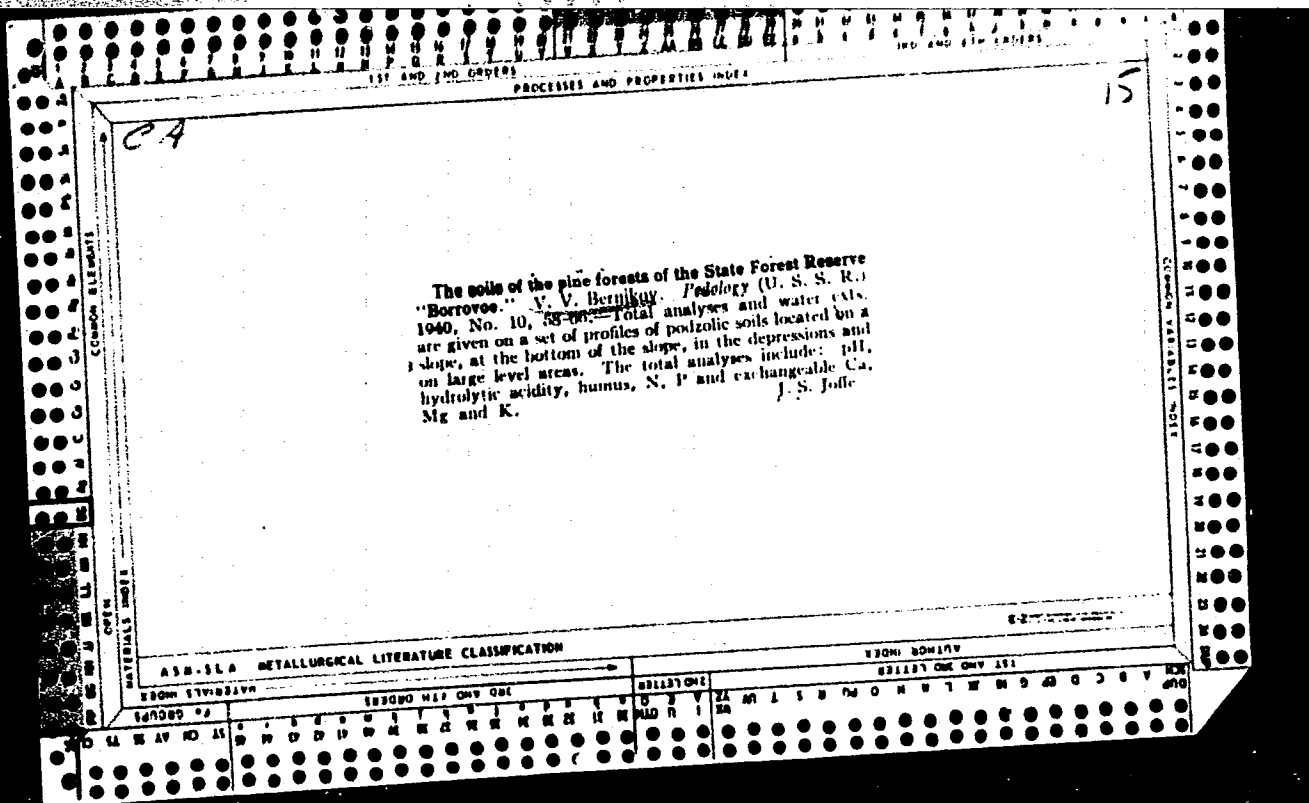
SECTION NUMBER

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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





Bernikov, V.V.

USSR / Forestry. Forest Plants.

K-5

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1390

Author : Bernikov, V.V.

Inst : Omsk Department of the Geographical Society of the USSR

Title : Zonal Characteristics of Tree Growth in the Forest Belt Along the Omsk Railroad

Orig Pub: Izv. Omskogo otd. geogr. o-va SSR, 1956, No. 1 (8), 53-62

Abstract: Research was made into the forest belt along the Omsk Railroad with the aim of clarifying the state of the plantings there. There are eight separate areas which differ in their soil-climate conditions and also in the complex of forest-

Card 1/2

BERNIKOV, V.V.

AFANAS'YNA, A.L., kand.biol.nauk; BAYERTUYEV, A.A., kand.sel'skokhozyaystvennykh nauk; BAL'CHUGOV, A.V., kand.sel'skokhozyaystvennykh nauk; BELOZEROVA, N.A., agronom; BELOZOROV, A.T., kand.sel'skokhozyaystvennykh nauk; MAKSIMENKO, V.P., agronom; BERNIKOV, V.V.; doktor sel'skokhozyaystvennykh nauk; BOGOMYAGKOV, S.T., kand.sel'skokhozyaystvennykh nauk; VOLYNETS, O.S., agronom; BODROV, M.S., kand.sel'skokhozyaystvennykh nauk; BOGOSLAVSKIY, V.P., kand.tekhn.nauk; KHRUPPA, I.F., kand.tekhn.nauk; VERNER, A.R., doktor biol.nauk; VOZBUTSKAYA, A.Ye., kand.sel'skokhozyaystvennykh nauk; VOINOV, P.A., kand.sel'skokhozyaystvennykh nauk; VYSOKOS, G.P., kand.biol.nauk; GALDIN, M.V., inzhener-mekhanik; GERASIMOV, S.A., kand.tekhn.nauk; GORSHEVIN, K.P., doktor sel'skokhozyaystvennykh nauk; YELENEV, A.V., inzhener-mekhanik; GERASKEVICH, S.V., mekhanik [deceased]; ZHARIKOVA, L.D., kand.sel'skokhozyaystvennykh nauk; ZHEGALOV, I.S., kand.tekhn.nauk; ZIMINA, Ye.A., agronom; BARANOV, V.V., kand.tekhn.nauk; PAVLOV, V.D.; IVANOV, V.K., kand.sel'skokhozyaystvennykh nauk; KAPLAN, S.M., kand.sel'skokhozyaystvennykh nauk; KATIN-YARTSEV, L.V., kand.sel'skokhozyaystvennykh nauk; KOPYRIN, V.I., doktor sel'skokhozyaystvennykh nauk; KOCHERGIN, A.Ye., kand.sel'skokhozyaystvennykh nauk; KOZHEVNIKOV, A.R., kand.sel'skokhozyaystvennykh nauk; KUZNETSOV, I.N., kand.sel'skokhozyaystvennykh nauk; LAMBIN, A.Z., doktor biol.nauk; LEONT'YEV, S.I., kand.sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand.sel'skokhozyaystvennykh nauk; MAKAROVA, G.I., kand.sel'skokhozyaystvennykh nauk; MEL'NIKOV, G.A., inzhener; ZHDANOV, B.A., kand.sel'skokhozyaystvennykh nauk; MIKHAYLENKO, M.A., kand.sel'skokhozyaystvennykh nauk; MAGILEVTSEVA, N.A., kand.sel'skokhozyaystvennykh nauk;

(Continued on next card)

AFANAS'YEVA, A.L.... (continued) Card 2.

NIKIFOROV, P.Ye., kand.sel'skokhozyaystvennykh nauk; NENASHEV, N.I., lesovod; PERVUSHINA, A.N., agronom; PLOTNIKOV, N.A., kand.biol.nauk; L.G.; kand.sel'skokhozyaystvennykh nauk; PAVLOV, V.D., kand.tekhn.nauk; PRUTSKOVA, M.G., kand.sel'skokhozyaystvennykh nauk; GURCHENKO, V.S., agronom; POPOVA, G.I., kand. sel'skokhozyaystvennykh nauk; PORTYANKO, A.F., agronom; RUCHKIN, V.N., prof.; RUSHKOVSKIY, T.V., agronom; SAVITSKIY, N.S., kand.sel'skokhozyaystvennykh nauk; BOLDIN, D.T., agronom; NESTEROVA, A.V., agronom; SERAFIMOVICH, L.B., kand. tekhn.nauk; SMIRNOV, I.N., kand.sel'skokhozyaystvennykh nauk; SEREBRYANSKAYA, P.I., kand.tekhn.nauk; TOKHTUYEV, A.V., kand. sel'skokhozyaystvennykh nauk; FAL'KO, O.S., iznh.; FMDYUSHIN, A.V., doktor biol.nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; YUFEROV, V.A., kand.sel'skokhozyaystvennykh nauk; YAKHTENFEL'D, P.A., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOR'KOVA, Z.D., tekhn.red.

[Handbook for Siberian agriculturists] Spravochnaia kniga agronoma Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry. Vol.1. 1957. 964 p.
(Siberia--Agriculture) (MIRA 11:2)

22 (1)

SOV/27-59-3-10/37

AUTHOR: Bernikov, V. Deputy School Director

TITLE: The Utilization of Agricultural Technical Equipment
(Ispol'zovaniye sel'skokhozyaystvennoy tekhniki)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 3,
pp 10 - 11 (USSR)

ABSTRACT: The Vorontsovo-Aleksandrovskoye School of Agricultural
Mechanization Nr 6, Stavropol' Kray, possesses over 25
tractors of various types, 13 grain and special combines and
many agricultural machines for the training of tractor-
driver machinists in a 2-year course. Some of the tractors
and combines are located in the workshops for theoretical
and laboratory exercises, but the greater part is used for
practical training and production work. The author describes
the garages in which the vehicles are being kept, and the
maintenance they are given. In the mechanical repair work-
shop there are more than 15 different machine tools, 4 of
which are screw-cutting lathes, 1 planing machine, URB-
VP machine tool for boring out bearings, machine tool

Card 1/2

BERNIKOV, V.V.

Omsk city soils and selecting trees and shrubs for its
landscaping. Izv. Omsk. otd. Geog. ob-va. no.5:55-59 '63.

Landscape work history in the vicinity of Omsk. Ibid.:121-
125 '63. (MIRA 17:5)

BERNIKOV, V.V.

Problems of land improvement by afforestation in Western
Siberia. Izv. Omsk. otd. Geog. ob-va no.6:53-60 '64. (MIRA 18:9)

BERNIKOV, Yu.K.

TROPIMOVA, V.I.; SHAPIRO, M.S.; SHORIN, G.F., redaktor; LOBANOV, D.I.,
redaktor; MOLCHANOVA, O.P., redaktor; SUKOLENOV, P.G., redaktor;
VEBER, V.A., redaktor; LAFYSHEV, A.N., redaktor; KAGANOVA, A.A.,
vedushchiy redaktor; BERNIKOV, Yu.K., redaktor; SUDAK, D.M.,
tekhnicheskii redaktor

[A collection of recipes for labor reserve student dining rooms]
Sbornik retseptur blud dlia pitaniia uchashchikhsia uchebnykh
zavedenii trudovykh rezervov. Moskva, "os. izd-vo torgovoi lit-ry,
1956. 358 p. (MIRA 10:1)

1. Russia (1923- U.S.S.R.) Ministerstvo torgovli.
(Cookery)

SHORIN, G.F., redaktor; LORANOV, D.I., redaktor; MOLCHANOVA, O.P., redaktor;
MARTYNOVA, Ye.G., redaktor; SIDOROV, V.A., redaktor; TIMATKOV, V.D.,
redaktor; TROFINOVA, V.I., redaktor; KAGANOVA, A.A., vedushchiy
redaktor; BERNIKOV, Yu.K., redaktor; SUDAK, D.M., tekhnicheskii redaktor

[A collection of recipes for workers' and students' diets] Sbornik
retseptur blud dlia pitaniia rabochikh i studentov. Moskva, Gos. izd-
vo torgovoi lit-ry, 1956. 607 p. (MLRA 9:11)

1. Russia (1923- U.S.S.R.) Ministerstvo torgovli.
(Cookery)

BERNIKOVA, T.P.

AFONCHIKOV, F.A.; BERNIKOVA, T.P.; KHRENOVA, L.I.

**Straightening the sliver on the stand of a combing machine. Tekst.
prom. 16 no.11:25-26 N '56. (MLBA 9:12)**

**1. Professor Ivanovskogo tekhnologicheskogo insituta.
(Combing machines)**

BERNIKOVA, Ye.M., Cand Med Sci -- (diss) "Treatment of patients with pulmonary tuberculosis by intracavernous ~~intra~~ ^{administration} ~~injection~~ of streptomycine and salu~~z~~id~~e~~." "

Simferopol', 1959, 19^{ff} (Crimean State Med Inst in I.V. Stalin) 200 copies (KL, 34-59, 116)

- 80 -

BERNIS, G. G.

BERNIS, G. G. -- "Investigation of the Operation of the Crankshaft Mechanism of a mower."
Latvian Agricultural Academy, 1952
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Izvestiya Ak. Nauk Latvyskov SSR, No. 9, Sept., 1955

CONSTANTIN, S.; BERNITCHI, M.

Specification of operations by spatial concepts with the aid of speech. Rev psihologie 10 no.3:217-228 '64.

1. Institute of Perfecting the Teaching Staff, Cluj; Branch of the Institute of Pedagogic Sciences, Cluj.

BERNOLAK, Bela, okleveles vegyeszmernok; SZIJJARTO, Rozalia, okleveles
vegyeszmernok

Spectrographic analysis of solders and thdir basic materials.
Finommechanika 2 no.6:173-176 Je '63.

ERDELY, Imre; HAJNAL, Lajos; FERENCZY, Pal, fomernok; TAMAS, Ferenc,
dr.; SVEHLA, Gyula, dr.; TRAGER, Tamas; BERNOLAK, Bela;
ZEOLD, Istvan; KAKASY, Gyula; SAJO, Istvan, dr.

Society life. Epitoanyag 16 no. 2:66 F '64. Epitoanyag 16
no. 2:66 F '64.

1. "Epitoanyag" szerkeszto bizottsagi tagja (for Erdely and
Tamas).

BERNON, R.

"Division hinders progress." Vsem.prof.dvish. no.8:10-13

Ag '57.

(MLRA 10:8)

(France--Trade unions)

BERNOT, C.

SCIENCE

PERIODICALS

BERNOT, C. F. Mikuz's Zlahtnernje rastlin; temelji in metode;
a book review. p. 143. Vol. 6, 1958.

Monthly List of East European Accessions (EEAI) Vol. 11, No. 2.
April 1959 Unclass.

BERNOT, France

The Sixth International Congress of Alpine Meteorology, held at
Bled. Geogr vest 33:179-181 '61.

BERNOT, France

Vertical thermal profile of the lake at the foot of Mount Krim.
Geogr vest 36:69-74 '64 [publ. '65].

BERNOT, F.

GEOGRAPHY & GEOLOGY

BERNOT, F. Microinversion of temperature. p. 336. Vol. 27/28, 1955/56
(published 1957).

Monthly List of East European Accessions (EEAI) Vol. 11, No. 2.
April 1959 Unclass.

BERNOT, France

Climate of Kankan. Razprave meteorolga Ljubljana 4: 20-29
'64.

L 07239-67 EWT(m) JR

ACC NR: AP6028410

SOURCE CODE: YU/0020/66/000/001/0002/0010

AUTHOR: Bernot, N. (Graduate Engr.; Research Associate); Gabrovsek, Z.
(Graduate Engr.; Research Associate)

33
B

ORG: Nuclear Institute "Jozef Stefan", Ljubljana (Nuklearni Institut "Jozef Stefan")

TITLE: Building of the TRIGA reactor in Ljubljana

SOURCE: Nuklearna energija, no. 1, 1966, 2-10

TOPIC TAGS: research reactor, nuclear reactor technology, construction material, technical assistance

ABSTRACT: The building of the research reactor TRIGA Mark II at Podgorica, 9 km north-east of Ljubljana, is discussed. The reactor, designed and produced by the General Dynamics Corporation was financed by the US Government and built jointly with several Yugoslav subcontractors. Following a brief description of the reactor, the search for a convenient location, the preparatory operations, and the establishment of the financing program, the article discusses at length the numerous problems encountered by the Yugoslav subcontractors during their work in this new field under conditions of strict financial and production controls imposed by the main US contractor. Separate sections deal with contract arrangements, new organizational experiences, parts produced in Yugoslavia, the mounting of the reactor, the building of the bio-

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L 07239-67

ACC NR: AP6028410

logical shielding, the mounting of the auxiliary equipment of the reactor, the mounting of the electronic and radiologic protection instrumentation, and the test running of the reactor. Orig. art. has: 1 table and 5 figures.

SUB CODE: 18/ SUBM DATE: none

Card 2/2 *gd*

BERNOTAS, V. I.

USSR/ Nuclear Physics - Ketranspectrometers

Card 1/1/ Pub. 43 - 3/97

Authors : Bashilov, A. A., and Bernotas, V. I.

Title : Calculation of electron images in a ketrone

Periodical : Izv. AN SSSR, Ser. fiz. 18/2, 192-208, Mar-Apr 1954

Abstract : The motions of electrons in a ketrone (spectrometer with heterogeneous magnetic field), and the images of the source obtained in the focal plane of the instrument were calculated. The calculations were based on the general theory of focusing electron pencils introduced by P. P. Pavinskiy. The principle of focusing electrons by means of a heterogeneous magnetic field is explained graphically. The image of a point source can be detected by studying the behavior of narrow vertical electron pencils. The image of a linear source is found by observing the behavior of the narrow vertical electron pencils by means of which it is possible to construct source images in the focal plane. Four USSR references (1944-1954). Table; graphs; diagrams.

Institution : The A. A. Zhdanov State University, Physics Institute, Leningrad

Submitted : March 11, 1954

SOV/6333

BERNOTAS, V.I. PHASE I BOOK EXPLOITATION

Bochkarev, V. V., ed.

Tekhnika izmereniye radioaktivnykh preparatov; sbornik statey (Techniques for the Measurement of Radioactive Preparations; Collection of Articles) Moscow, Gosatomizdat, 1962. 4600 copies printed.

Eds.: A. M. Smirnova and M. A. Smirnov; Tech. Ed.: S. M. Popova.

PURPOSE: This book is intended for specialists in nuclear instrumentation.

COVERAGE: The book is a collection of articles on recent developments in 1) measurement of the activity and 2) analysis of the composition of emissions of radioactive preparations. The methodology and apparatus used in these studies are described in detail. References are given at the end of each article.

TABLE OF CONTENTS:

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Techniques for the Measurement (Cont.)

SOV/6333

Preface

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Vorob'yev, A. A. Study of α -Emitting Preparations With the Aid of a Gridded Ionization Chamber

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Bernotas, V. I., V. A. Gorodyskiy, N. K. Semenova, I. F. Tupitsyn, and O. A. Filippov. Direct Measurement of the Activity of Tritiated Compounds

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Bernotas, V. I., Yu. A. Pirogov, and O. A. Filippov. Measurement of the Activity of Tritiated Thick Organic Films

51

L'vova, M. A. Experimental Evaluation of the Accuracy of a Method for Measurement of β -Emitters by Means of End-Window Counters

56

Turkin, A. D. Measurement of the Activity of β -Sources in 4π -Ionization Chambers

63

Card 2/5

BERNOTENAS, A.

The living flowers of Lithuania. Sov. profsoiuzy 19 no.15:8-10
Ag '63. (MIRA 16:8)

1. Zaveduyushchiy kul'turno-massovym otdelom Litovskogo respublikanskogo soveta professional'nykh soyuzov, Vil'nyus.
(Lithuania—Amateur art activities)

C
E