

11(4)

BOBROVSKIY, S.A.

PHASE I BOOK EXPLOITATION

SOV/2389

Yablonskiy, V.S., S.A. Bobrovskiy, E.M. Bleykher, G.A. Royev, I.Kh. Khizgilov, and S.G. Shcherbakov

Avtomatizatsiya transportirovaniya i ob"yektov khraneniya nefi i nefteproduktov (Automatic Control of the Transportation and Storage of Oil and Petroleum Products) Moscow, 1958. 50 p. 1,000 copies printed.

Sponsoring Agencies: USSR. Gosudarstvennyy nauchno-tekhnicheskly komitet, and Akademiya nauk SSSR. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii. Otdel nauchno-tekhnicheskoy informatsii. Sektor neftyanoy promyshlennosti.

No contributors mentioned

PURPOSE: This book is intended for automation engineers, workers, and economists of the Soviet petroleum industry.

COVERAGE: The authors discuss the extent of automation in Soviet and foreign petroleum industries and point out that automation in the Soviet Union is still in the planning stage and its introduction in industry is limited. No

Card 1/3

Automatic Control of the Transportation (Cont.)

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personalities are mentioned. There are 44 references: 19 Soviet and 25 English.

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Use of radioactive isotopes in the transportation and storage of petroleum products

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AVAILABLE: Library of Congress (TP692.5.I13)

Card 3/3

TM/emp
10-16-59

BOBROVSKIY, S.A.; CHERNIKIN, V.I.

Temperature conditions of gas wells. Gaz. prom. 6 no.12:14-16
'61. (MIRA 15:2)

(Gas wells)

BOBROVSKIY, S.A.

Determination of the idle period of a petroleum pipeline during
emergency repairs. Trudy MINKHIGP no.45:181-183 '63.
(Petroleum pipelines) (MIRA 16:7)

BOBROVSKIY, S.A.; CHERNIKIN, V.I.

Using consecutive changes in steady states for solving problems of unstable flow in gas pipelines. Izv. vys. ucheb. zav.; neft' i gaz 6 no.2:87-91. '63. (MIRA 16:5)

1. Moskovskiy institut neftekhimicheskoy i gasovoy promyshlennosti imeni akademika I.M.Gubkina.

(Gas, Natural---Pipelines)

BOBROVSKIY, S.A.

Change of the temperature of gas in a well. Trudy MINKHIGP
no.45:134-138 '63. (MIRA 16:7)

(Gas wells)

BOBROVSKIY, S.A.

Duration of gas flow from one gas holder to another. Trudy
MINKHIGP no.45:177-180 '63. (MIRA 16:7)

(Gas pipes) (Gas dynamics)

BOBROVSKIY, S.A.; TEREKHOVA, N.M.

Consecutive pumping of petroleum products controlled by their
viscosity. Transp. i khran. nefi no.1:19-22 '63. (MIRA 16:9)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akademika Gubkina.

BOBROVSKIY, S.A.; KOZOBKOV, A.A.; MESSERMAN, A.S.

Tensimeter for measuring pressure pulsations in pipelines. Transp.
i khran.nefti no.6:6-9 '63. (MIRA 17:3)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. I.M.Gubkina.

BOBROVSKIY, S.A.

Hydraulic design of pipelines with uniformly changing quantity
of fluid. Transp. i khran. nefli no.5:3-4 '63. (MIRA 17:3)

1. Moskovskiy institut neftekhimicheskoy i gasovoy promyshlennosti
im. akademika Gubkina.

BOBROVSKIY, S.A.; KOZOEKOV, A.A.; MESSERMAN, A.S.

Tensomanometer for measuring pressure pulsations in pipelines.

Transp. i khran. nefi i nefteprod. no.4:10-14'64

(MIRA 17:7)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut nefte-
khimicheskoy i gazovoy promyshlennosti imeni akademika Gubkina.

BOBROVSKIY, S.A.; CHERNIKIN, V.I.

Temperature conditions in gas pipelines. Izv. vys. ucheb. zav.;
neft' i gaz 5 no.10:89-94 '52. (MIRA 17:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promysh-
lennosti imeni akademika Gubkina.

BOBROVSKIY, S.A.

Use of floating level meters. Gaz. delo no.3:38-41 '63.

(MIRA 17:8)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut nefte-
khimicheskoy i gazovoy promyshlennosti im. akademika Gubkina.

BOBROVSKIY, S.A.

Analyzing a formula used to calculate high-pressure gas pipelines. Gaz. delo, no.2:15-16 '64. (MIRA 17:6)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftkhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

BOBROVSKIY, S.A.; KOZOBKOV, A.A.; MESSERMAN, A.S.

Inductive gauge for measuring pressure surges in pipelines. Transp. i
khran. nefi i nefteprod. no.9:3-5 '64. (MIRA 17:10)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimi-
cheskoy i gazovoy promyshlennosti im. akad. Gubkina.

BOBROVSKIY, S.A.

Hydraulic calculation of gas wells. Gaz. delo no.10:15-16 '64.

(MIRA 18:1)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut
neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

BOBROVSKIY, S.A.

Evaluating the efficiency of the control of the operation of pipeline pumping stations. *Transp. i khran. nefiti i nefteprod.* no.6:19-22 '65. (MIRA 18:8)

1. Moskovskiy ordena Trudovogo Kraanogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

BOBROVSKIY, S.A.; MARINCHENKO, P.Kh.

Characteristics of the transportation of fuel by air. Transp. i khran.
nefti i nefteprod. no.7:13-16 '65. (MIRA 18:9)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika Gubkina.

YUNAKOV, A.A.; ~~BOBROVSKIY, S.I.~~; ALIYEV, R.A.; BELOVASHINA, N.M.; KALININ,
S.D.; ~~YEFEYKIN, A.K.~~

In the Botanical Society of the U.S.S.R. Bot.zhur. 50
no.10:1505-1506 0 '65. (MIRA 18:12)

1. Vsesoyuznoye botanicheskoye obshchestvo, Leningrad (for
Yefeykin).

AUTHOR: ^{NH} BOBROVSKIY, S.M. and NIKOLAYEV, A.G., engineers PA - 2386
TITLE: Durability of Molds for Steel Pouring. (Stoykost' izlozhnits dlya razliviki stali, Russian).
PERIODICAL: Stal', 1957, Vol 17, Nr 1, pp 84 - 88 (U.S.S.R.)
Received: 5 / 1957 Reviewed: 5 / 1957

ABSTRACT: In the course of investigations it was assumed that the technology of pouring and the characteristics for waste remain unchanged. First, the influence exercised by construction on the strength of the molds is described. The 6 types in operation and their characteristics, viz. constructional drawings, a table containing the characteristics, and a table showing the dependence of the strength of the molds on the Si- and Mn-constant in the cast iron are attached. Investigations showed that 1) a mold the walls of which become more heated when the mold is filled with steel is inferior in strength to those in which the walls become less heated, 2) that a mold with rectangular cross section possesses less strength than one with a square cross section, 3) that a mold for the pouring of quiet steel, if headpieces for feedheads are used possesses less strength, conditions otherwise being equal, than those used for boiling steel. Next, the influence exercised by the chemical composition of cast iron and its microstructure on the strength of molds is described. Two kinds of cast iron are used: from cupola furnaces with a ferrite-perlite structure, and from the first melt

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PA - 2386

Durability of Molds for Steel Pouring.

of a blast furnace, where perlite predominates and frequently also cementite occurs. Molds from cupola furnace cast iron have greater strength. Also the influence exercised by cooling on the molds is described. Instead of water sprays jets are now being used, whereas previously, since 1949, precooling was only by air. The strength of the molds is further also influenced by the manner in which the molds are mounted on the transfer car, as well as by the intervals between to casts. (3 illustrations and 5 tables)

ASSOCIATION: Metallurgical Combine of Magnitogorsk

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

BOBROVSKIY, V.

For a radical revision in the teaching of the English language.

Mor. flot 18 no.9:27-28 S '58.

(MIRA 11:10)

1. Starshiy prepedavatel' angliyskogoyazyka Odesskogo vysshego
inzhenernogo morskogo uchilishcha.

(English language--Study and teaching)

L 24122-66 EWT(d)/FED/FSS-2/EEG(k)-2/EWA(d)/T-2 LJP(c) BC/WR
ACC NR: AP0006416 (N) SOURCE CODE: UR/0317/65/000/011/0008/0014

AUTHOR: Botrovskiy, V. (Engineer; Colonel); Telon', O. (Engineer; Colonel)

ORG: none

TITLE: Air-to-ground missile-guidance systems enumerated

SOURCE: Tekhnika i vooruzheniye, no. 11, 1965, 8-14

TOPIC TAGS: missile component, missile guidance, missile guidance system, missile navigation, air to surface missile

ABSTRACT: In an article discussing guidance systems used in modern air-to-ground missiles (see Fig. 1), it is stated that the history of missile-weaponry development began on 20 August 1939, when for the first time Soviet aircraft armed with unguided air-to-air missiles flew into combat in the Ha-lo-hsin River region (Soviet-Japanese border incident). In 1942 Soviet pilots made large-scale missile attacks on ground targets in the defense of Stalingrad, thus introducing air-to-ground missiles. Today's tactical aircraft are said to be equipped with air-to-ground missiles with a range of tens of kilometers. High accuracy is required since tactical bombers and fighter-bombers supporting ground troops must strike missile and artillery

Card 1/2

L 24122-66
ACC NR: AP6006416

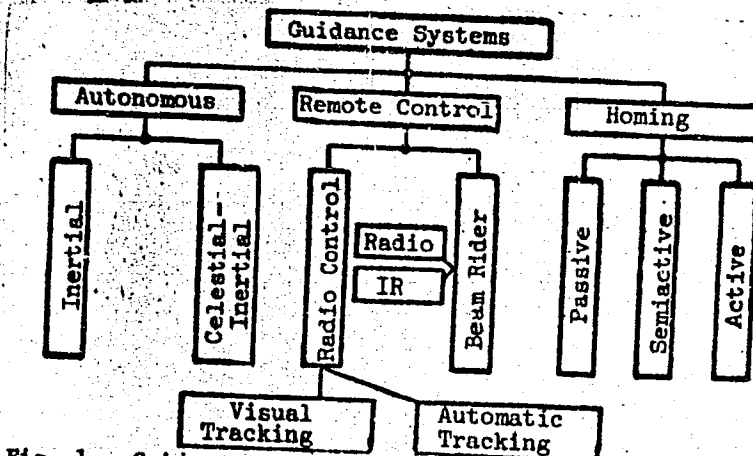


Fig. 1. . Guidance systems used in air-to-ground missiles

positions, enemy troop concentrations, and even individual tanks and armored carriers on land and ships at sea. In addition, the development of air-to-ground missiles has reached the point where missile-carrying aircraft can deliver precise nuclear blows without entering the enemy antiaircraft-defense zone. Orig.art.has: 7 figures and 1 table / And Press: 4214-7 / Card 2/2 SUB CODE: 16 / SUEM DATE: None

BOBROVSKIY, V. A.

USSR/Engineering - Measuring instruments

Card 1/1 : Pub. 128 - 11/25

Authors : Bobrovskiy, V. A.

Title : ~~USSR/Engineering - Measuring instruments~~
A lathe dynamometer with wire ohm resistance indicators

Periodical : Vest. mash. 1, 56-62, Jan 1955

Abstract : A description is presented of a newly designed dynamometer used for simultaneous measurement of composite cutting forces occurring during various turning and milling operations. Six USSR references (1945-1953). Graphs; diagrams; drawings.

Institution :

Submitted :

BOBROVSKIY, V.A., kand. tekhn. nauk

Determining the coefficient of friction in cutting. Izv.
vys. ucheb. zav.; mashinostr. no.10:175-181 '63.
(MIRA 17:3)

1. Voennoy akademiya bronetankovykh voysk.

ACC NR: AP7002591

(A,N)

SOURCE CODE: UR/0413/66/000/023/0090/0090

INVENTOR: Bobrovskiy, V. A.

ORG: none

TITLE: Apparatus for determining the durability of materials and the coefficient of sliding friction. Class 42, No. 189203

SOURCE: Izobretaniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 90

TOPIC TAGS: durability, friction coefficient

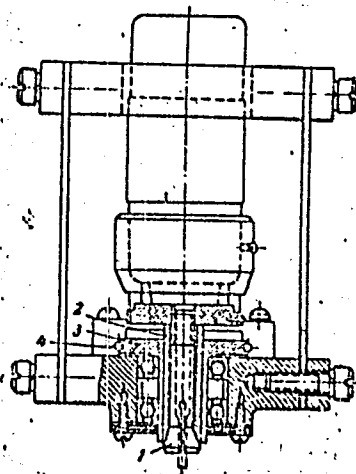
ABSTRACT: This Author Certificate presents an apparatus for determining the durability of materials and the coefficient of sliding friction, which contains a working head, a crosspiece, a flat elastic element by which the working head is suspended from the crosspiece, and a strain gauge sensor glued to the elastic element. To increase the accuracy of measuring the force and the coefficient of friction, the working head is in the form of a clamp placed inside a ring (see Fig. 1). The ring is placed along a guide fitting in a collar that can be rotated relative to the ring from a separate drive.

Card 1/2

UDC: 620.1.05:620.178.162.4

ACC NR: AP7002591

Fig. 1. 1 - clamp; 2 - ring; 3 - collar;
4 - drive



Orig. art. has: 1 diagram.

SUB CODE: 14, 11/ SUBM DATE: 08Apr64

Card 2/2

BOBROVSKIY, V.I.

New design of a gear cutter set with reinforced edge. Avt.trakt.prom. no.10:
32 0 '53. (NIRA 6:11)

1. Lipetskiy traktornyy zavod.

(Gear-cutting machines)

EOBROVSKIY, Viktor Iosifovich, ed.

I
876.109
.B6

Sudovaya dokumentatsiya i perepiska na angliyskom yazyke: English ships' correspondence. Moskva, Morskoy Transport, 1956.
175 p. Diagr., tables.
English-Russian vocabulary

BARANOV, Yu.B.; BARANOVA, Ye.N.; ~~BOBROVSKIY, V.I.~~; GRISHCHENKO, G.I.;
GONCHAR, G.V.; DOLBISH, V.S.; ~~KALIROVSKIY, V.S.~~; KARAKOTSKIY, Ye.D.;
KULICHKOV, G.M.; KAGANOVSKAYA, S.M.; LESTEV, A.V.; METELKIN, L.I.;
TIKHONRAVOV, V.M. [deceased]; DOLBISH, V.S., spetsred.; KUZ'MINA,
V.S., red.; KISINA, Ye.I., tekhn.red.

[Fishing equipment used in Far Eastern waters] Orudia rybolovstva
Dal'nevostochnogo Basseina. Moskva, Pishchepromizdat, 1958. 214 p.
(MIRA 11:12)

(Soviet Far East--Fishing--Equipment and supplies)

VERSHKOV, V.A., inzh.; BOBROVSKIY, V.M., inzh.; GLEBOV, E.S., inzh.

Concerning safety measures in working on the towers of 400 kv.
and 500 kv. operating power transmission lines. Elek. sta.
34 no.3:60-64 Mr '63. (MIRA 16:3)
(Electric lines—Safety measures)
(Electric power distribution)

VERSHKOV, V.A., insh.; BOBROVSKIY, V.M., insh.; GLEBOV, E.S., insh.

Melting of ice crusts on the conducting wires of 400-500 kv.
electric power transmission lines. Elek. sta. 33 no.10:72-75 0
'62. (MIRA 16:1)

(Electric lines--Overhead)

ACC NR: AP6028721

SOURCE CODE: UR/0122/66/000/008/0065/0067

AUTHOR: Bobrovskiy, V. A. (Candidate of technical sciences)

ORG: none

TITLE: Increasing tool life by breaking the thermoelectric circuit formed during machining

SOURCE: Vestnik mashinostroyeniya, no. 8, 1966, 65-67

TOPIC TAGS: thermoelectric phenomenon, tool wear, machine tool industry, lathe, drill press, milling machine, gear cutting machine, broach

ABSTRACT: After a discussion of other authors' work (without references) on the effects of thermoelectric current (formed during machining) on tool life, the experiments performed by the author to measure the electrical resistance of various machines as a function of cutting force and speed are presented. The electrical resistances of lathe models 1A62, 1K62, 1620, KT8, LT10, Martin and Kerger; of vertical drill models 2A125, 2A135 and 2A150; of milling machine models 6N81, 6N83, 6N12P and 675; of gear cutting machine models 5B32, ZFO1 and 5D32; and of broaching machine models 5V12 and 514 were measured at various unspecified speeds and loads. It was found that the machine resistance normally increases with increasing speed and decreases with increasing cutting force and oil temperature. Few specific data are given, i.e., range of resistance values is 2--3 to 300--450 ohms, etc. Orig. art. has: 2 figures.

SUB CODE: 13/ SUBM DATE: none
Card 1/1

UDO: 621.80254401.7

BOBROVSKIY, V.M., inzh.; RADIONOV, Ya.V., inzh.

Disconnecting and switching-in of an idle transformer using a
500 kv. disconnecting switch. Elek. sta. 36 no. 10:59-64 0 '65.

(MIRA 18:10)

BOBROVSKIY, S.M., inzh.; NIKOLAYEV, A.G., inzh.

Influence of separate ingot mold sections on the cost of the
ingot. Stal' 20 no.6:502-504 Je '60. (MIRA 14:2)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Ingot molds) (Open-hearth process--Accounting)

BOBROVSKIY, V. N., KULAGIN, S. M., SOMOV, G.P., SLICH, V. A., FEDORVA,
N. I., SHAPIRO, M. I., SUVOROVA I. G.

"Further observations of tick-borne rickettsiosis in the Primorye region." p. 109

Desyatoye soveshchaniye po parazitologicheskim problemam i Priodnooch-
agovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on
Parasitological Problems and Diseases with Natural Foci 22-29 October
1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and
Academy of Sciences USSR, No. 1 25hpp.

Inst. Of Epidemiology and Microbiology, AMS USSR/ Moscow and Vladivostock

KULAGIN, S.M.; SOMOV, G.P.; SILICH, V.A.; FEDOROVA, N.I.; SHAPIRO, M.I.;
SUVOROVA, L.V.; BOBROWSKIY, V.N.

Further observations on tick-borne rickettsiosis in the Maritime
Territory. Zhur.mikrobiol.epid.i immun. 31 no.9:64-71 S '60.

(MIRA 13:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR, Vladivostokskogo instituta epidemiologii, mikrobiologii i
gigiyeny i meditsinskoy sluzhby Tikhookeanskogo flota.

(MARITIME TERRITORY—TYPHUS FEVER)

BOBROVSKIY, S.N., inzhener.

Precast reinforced concrete in underground construction.
Nov. tekhn. i pered. op. v stroi. 18 no.9:5-8 S '56. (MLRA 9:10)

(Tunnels) (Precast concrete construction)

CHERNUKHA, Yu.G.; SOLOSHENKO, I.Z.; SEMENOVA, L.P.; BOBROVSKIY, V.N.

Materials on the epidemiology of leptospirosis in the North
Ossetian A.S.S.R. Zhur. mikrobiol. epid. i immun. 40 no.5:
52-55 My '63. (MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

KARASEVA, Ye.V.; SEMENOVA, L.P.; SOLOSHENKO, I.Z.; CHERNUKHA, Yu.G.;
BOBROVSKIY, V.N.

Natural foci of leptospirosis in the North Ossetian A.S.S.R.
Zhur. mikrobiol. epid. i immun. 40 no.5:56-60 My '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

VERSHKOV, V.A., inzh.; BOBROVSKIY, V.M., inzh.

Location of damages on 500 kv. electric power transmission lines.
Elek. sta. 35 no.6:51-54 Je '64.

(MIRA 18:1)

BOBROVSKIY, Ye. (g.Shakhty, Rostovskoy oblasti)

Initiator of good deeds. Mast.ugl. 9 no.4:24 Ap '60. (MIRA 13:11)
(Donets Basin--Coal miners)

1 60160-65

DEC(b)-2/DA(h)/EWT(1)

P1-h/Pj-h/Pk-h/Pn-h/Pac-h/Pab

WR/3074/63/000/048/0110/0123 80

ACCESSION NO: AT5012823

AUTHOR: Sushkov, A. D. (Candidate of technical sciences, Docent); Bobrovskiy, Yu.
L3 (Engineer)

TITLE: Bunching of electrons in a klystron at large modulating voltages

SOURCE: Leningrad. Elektrotehnicheskii institut. Izvestiya, no. 48, 1963, 110-123

TOPIC TERMS: klystron, reflex klystron, electron bunching, frequency multiplication

ABSTRACT: The authors analyze the bunching of electrons in a klystron cavity at velocities considerably lower than the velocity of light. It is pointed out that earlier investigations were either confined to the bunching of the electrons in the transit tube without account of their bunching in the high-frequency resonant input cavity, or else to relativistic electrons. The present study deals with the bunching of electrons that have passed through the gap, as well as those reflected from the gap. The electron motion is analyzed theoretically on the basis of rigorous kinematic theory. The results show that in the case of large modulating voltages, the electrons are effectively bunched in the gap. When operating in the current-cutoff mode, both the transmitted and the reflected electrons become effectively bunched, so that both groups of electrons can be effectively employed for frequency multiplication. In the case of relatively narrow gaps, effective bunch-

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ACCESSION NR: AT5012823

ing can be obtained also at alternating voltages which are smaller than the accelerating voltage, but this reduces the number of particles in each bunch. The accelerating voltage affects noticeably the conductivity of the electron beam. The bunching of the electrons in the transit tube depends little on the length of the tube. This pertains equally well to the transmitted and to the reflected electrons. The current contains a large number of harmonics and this makes it possible to construct klystron frequency multipliers without the use of a transit tube. The calculations are valid for relatively small electron-beam densities. At larger densities the results may be affected by the presence of space charge. Orig. art. has 10 figures and 9 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute)

SUBMITTED: 00May51

ENCL: 00

SUB CODE: EC

NR REP SOV: 000

OTHER: 005

Card 2/2

ACCESSION NR: AR4008437

S/0275/63/000/012/A033/A033

SOURCE: RZh. Elektronika i yeye primeneniye, Abs. 12A164

AUTHOR: Sushkov, A. D., Bobrovskiy, Yu. L.

TITLE: Electron bunching in klystron at high modulating voltages

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vy*p. 48, 1963, 110-123

TOPIC TAGS: klystron, electron bunching, klystron electron bunching, multiplying klystron, multicavity klystron, multiplying multicavity klystron

TRANSLATION: Nonlinear operation of a two-cavity klystron, occurring at high and very high excitation voltages, is considered. Solutions are presented for the equations of motion of the electrons in the alternating field, and for the bunching of the electrons in

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ACCESSION NR: AR4008437

the cavity gap and in the field free space. It is shown that at high modulating voltages it is possible to obtain effective bunching in the high frequency gap of the input cavity. Effective bunching can be obtained also at voltages lower than the accelerating voltage, but the number of particles in the bunch decreases. In the electron current cutoff mode, the electrons bunched in the gap are not only those passing through the gap, but also those reflected from it. All the calculations are valid for relatively low electron beam density and do not take into account the effective space charge at large current density. Bibliography, 5 titles. A. S.

DATE ACQ: 31Dec63

SUB CODE: SD.

ENCL: 00

Card 2/2

BOBROVSKIY, Yu.L.

Attachment for testing mismatched loading of superhigh-frequency
devices. Izv. tskh. no.5:59 My '65. (MIRA 18:8)

BOBROVSKIY, Yu.L.

Reflex klystron as a frequency multiplier. Radiotekh. i
elektron. 10 no.11:2069-2070 N '65. (MIRA 18:11)

BOBROVSKIY, Yu.I.

Analysis of the bridge circuit used for investigating phase characteristics of superhigh frequency amplifiers. Izv. tekhn. no.11:42-43 N '65. (MIRA 18:12)

KOWALCZYKOWA, Janina; SZCZUDRANA, Jerzy; GEORGIADIS, Jerzy; BOBROWA, Zofia

Experimental investigations of epidemic hepatitis. I. Temporary sensitivity to infection and anatomopathological lesions in livers of mice infected with the mouse-adapted Mowl virus. Acta medica polona 3 no.3:257-262 '62.

1. Department of Medical Microbiology, Medical Academy, Cracow
Director: Prof. Dr. Z. Przybylkiewicz Department of Pathological
Anatomy, Medical Academy, Cracow Director: Prof. Dr. J. Kowalczykova.
(HEPATITIS, INFECTIOUS)

~~BOBRONA-PCRWIT, Boleslaw~~ CHLAP, Zbigniew; KOWALCZYKOWA, Janina, PRZYBYLKIEWICZ,
Zdzislaw

Cytopathology of HeLa strain cancer cells (carcinoma cervicis Gey)
resulting from the activity of vaccinia virus; observations on tissue
culture in vitro. Pat.polska 9 no.2:163-173 Apr-June 58.

1. Z Zakładu Anatomii Patologicznej A.M. w Krakowie. Kierownik:
prof. dr J. Kowalczykowa i z Zakładu Mikrobiologii Lekarskiej A.M.
w Krakowie Kierownik prof. dr Z. Przybylkiewicz. Adres autora:
Kraków, ul. Czysła 16.

(VACCINIA, virus

eff. on HeLa cells in tissue culture (Pol))

(TISSUE CULTURE,

eff. of vaccinia virus on HeLa cells in tissue culture
(Pol))

BOBROWICZ, E.

Cracks in pine wood in felling sites. P. 105 ROCZNIKI NAUK LESNYCH
Poland Vol. 9, 1954

SOURCE: EEAL IC Vol. 5, no. 10, Oct. 1956

BOBROWICZ, Izabella

Evaluation of the phenolsulfenphthalein in the diagnosis of renal tubular damage in children. *Pediat. Pol.* 40 no.10: 1065-1070 0 '65.

1. Z II Kliniki Pediatricznej AM w Lublinie (Kierownik: doc. dr. med. A. Gebala).

BOBROWNICKI, T.

BOBROWNICKI, T. Retrogression is an error. p. 305

Resolution concerning the necessity of improving the conditions essential to the development of chemical sciences voted October 16, 1956 at the meeting of the Presidium of the Committee of Chemical Sciences of the Polish Academy of Sciences. p. 308.

Vol 9, no. 11, Nov. 1956
ACTA PHYSIOLOGICA POLONICA
SCIENCE
Warszasa, Poland

So: East European Accession vol 6, no. 3, March 1957

BOBROWNICKI, T. CHELIK

Yesterday and today. p. 150. ACTA PHYSICA POLONICA
Warszawa. Vol. 9, No. 5, May, 1956

East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956.

BOBROWNICKI, T.

"Chemist's Days at the 26th Poznan International Fair."

p. 129 (Chemik) Vol. 10, no. 5, May 1957
Warsaw, Poland

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

BOBROWNICKI, T.

Precongressional reflections. p. 337.

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, no. 7, July 1957. Uncl.

BOBROWNICKI, T.

Chemists' problems.

P. 1. (CHEMIK) (Warszawa, Poland) Vol. 10, No. 1, Jan. 1957.

SO: Monthly Index of East European Accession (EEAI) Lc Vol. 7, No. 5, 1958

BOBROWNICKI, T.

The name and the contents. p. 65.
(CHEMIK, Vol 10, no. 3, Mar. 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9. Sept. 1957 Uncl.

BOBROWNICKI, T.

Forgotten chemistry. p. 97.

(CHEMIK, Vol. 10, no. 4, Apr. 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) 10, Vol. 6, No. 9 Sept. 1957 Uncl.

BOBROWNICKI, T.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 7/8, July/Aug. 1958.

BOBROWNICKI, T. Chemical industry exhibits at the 27th Poznan International Fair. p. 230.

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

BOBROWNICKI, T.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 10, Oct. 1958.

BOBROWNICKI, T. The German Federal Republic seen from an omnibus. p. 325.

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

BOBROWNICKI, Teofil

Economics and technological progress. Chemik 15 no.11:385-
388 N '62.

BOBROWNICKI, Teofil

Chemists under the sociologist's magnifying glass. Chemik 16 no.2:
41-42 P '63.

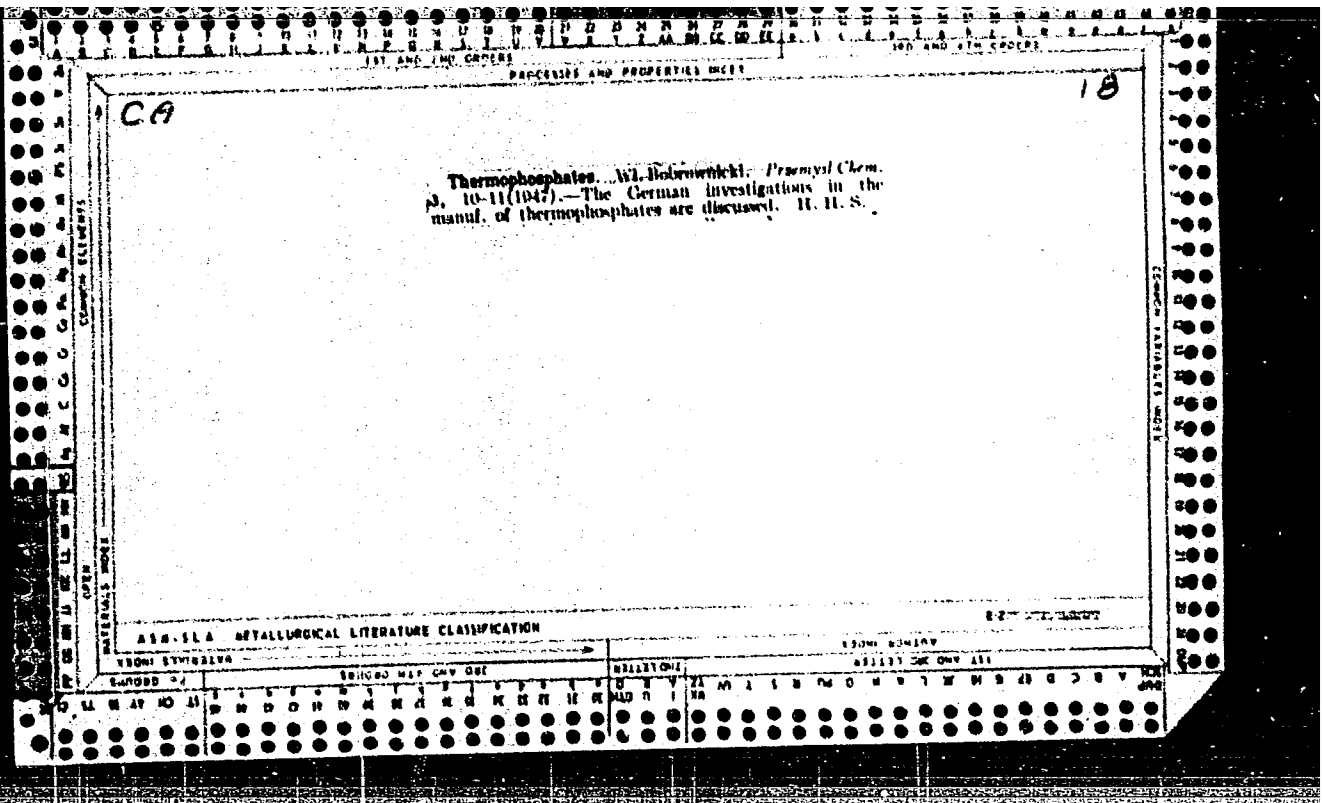
BOBROWNICKI, Teofil

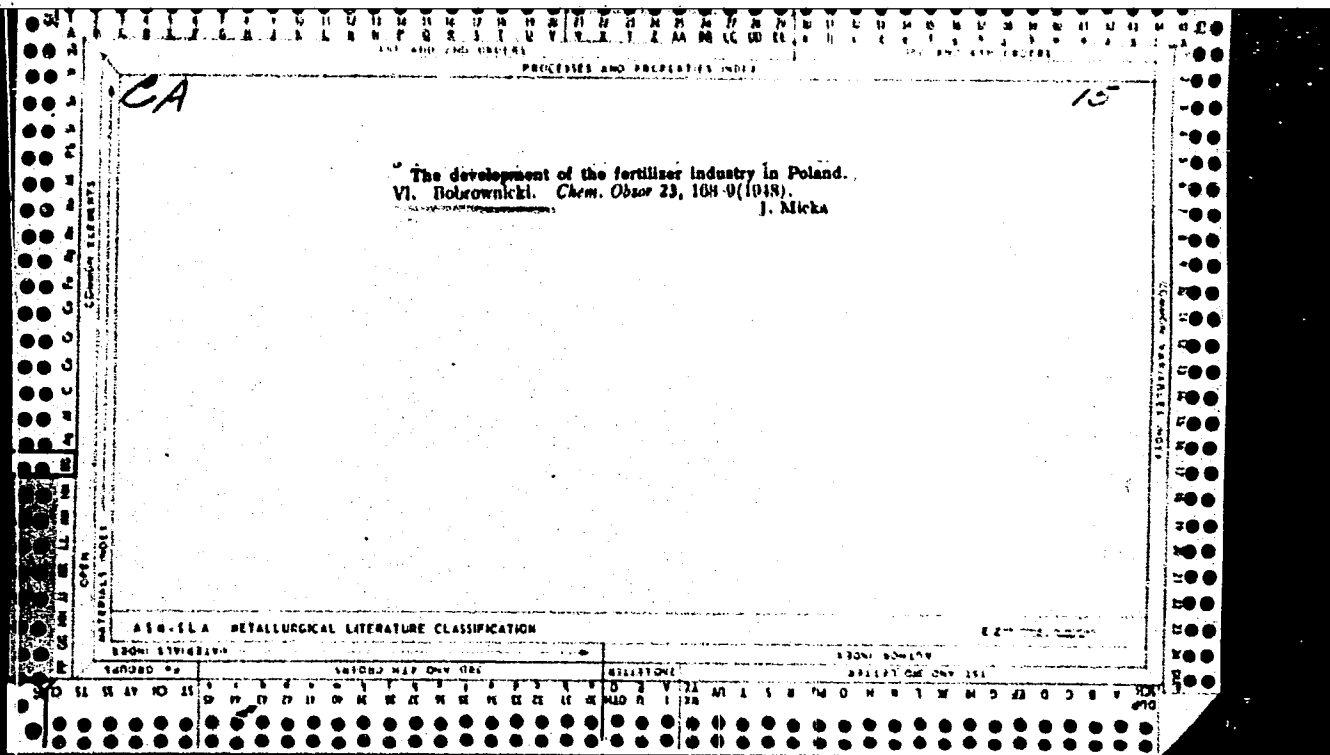
Chemists under the sociologist's magnifying glass. Chemik 16
no.3:80-81 Mr '63.

BOBROWNICKI, Teofil

Fifteenth anniversary of the Publishing Agency of Technical
Periodicals of the Central Technical Organization. Chemik
17 no.12:445-446 D '64.

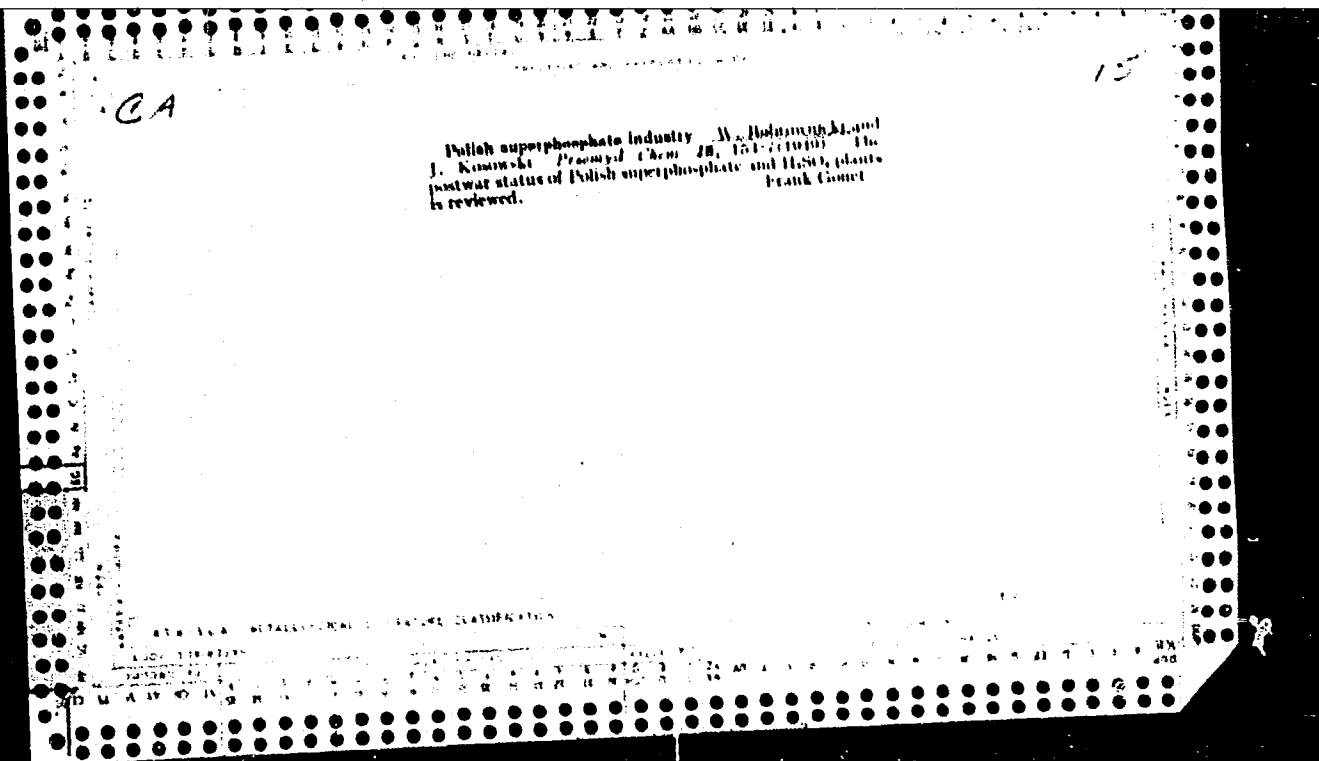
A most dignified ceremony. Ibid.:456-460





Ent. also

State superthomazine factory. W. Dobrynski (*Przem. Chem.*,
1949, B, 168—170).—Superthomazine is produced at Mosaic and
Cherów by the Rheinania process (fusion of apatites with sand and
 Na_2CO_3 in a rotary furnace). H. Tausch.



HOBROWNICKI, W.

and others. Influence of trimagnesium phosphate on the solubility of P_2O_5 in magnesium thermophosphates. p. 957.
ROCCNIKI CHEM, Warszawa, Vol. 29, no. 2/3, 1955.

SD: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

BOBROWNICKI, W.

BOBROWNICKI, W. International conference on fertilizers in Beograd. p. 202

Vol. 9, no. 7/8, July/Aug. 1956

CHEMIK

SCIENCE

Warszawa, Poland

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

BOBROWNIKI, WLÓDZIMIERZ

Category: Poland / Physical Chemistry - Kinetics. Combustion.
Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30044

Author : Bobrownicki Włodzimierz, Schroeder Jerzy, Stopa Stanisław
Inst : not given (Inst. of Technol., Wrocław).
Title : Effect of Addition of Eutectic CaCl_2 - CaF_2 Mixture on Initiation
Temperature and Kinetics of Nitriding of Calcium Carbide

Orig Pub: Roczn. chem, 1956, 30, No 1, 327-330

Abstract: Study of the kinetics of nitriding of technical carbide (I) (66.6% CaC_2), and also of the catalytic action, on this process, of various admixtures to I: 4% CaCl_2 , eutectic mixture of about 80 mol.% CaCl_2 + about 20 mol.% CaF_2 (in an amount equivalent to 3 or 4% CaCl_2), or of 50% of this eutectic mixture. The presence of admixtures lowers the temperature of beginning of the reaction; without admixtures the reaction of nitriding starts at 707.5° , on addition of 50% eutectic mixture it starts at 515° . Kinetics of the process was studied over the temperature range from the temperature of initiation of the reac-

Card : 1/2

-18-

Category: Poland / Physical Chemistry - Kinetics. Combustion.
Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30044

tion and up to 900°. Experiments with addition of 50% eutectic mixture, indicate, in the opinion of the authors, that the liquid phase plays an important part in one of the stages of the reaction under study.

Card : 2/2

-19-

POLAND / Chemical Technology. Chemical Products and Their Applications. Fertilizers. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12404.

Author : Bobrownicki, Wlodzimierz; Kubicki, Josef; Schroeder, Jerzy; Slawski, Kazimierz.

Inst : Not given.

Title : Fused Magnesium-Sulfate-Phosphate.

Orig Pub: Chem. stosow., 1957, 1, No 1, 65-79.

Abstract: Conditions and a mechanism for obtaining fused Mg-phosphate are investigated. It was established that with fusing of apatite with $MgSO_4$, the reaction $Ca_3(PO_4)_2$ plus $3MgSO_4$ equals $Mg(PO_4)_2$ plus $3CaSO_4$ occurs on the whole, through which the $CaSO_4$ which is formed possesses a different degree of hydration. Simultaneously a physical process

Card 1/3

POLAND / Chemical Technology. Chemical Products and Their Applications. Fertilizers. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12404.

Abstract: of decomposition of the apatite occurs in a reaction product with the formation of a vitreous amorphous phase, which is easily soluble in 2% citric acid (I).

Devitrification of the product by heating to a softening temperature with subsequent slow cooling decreases its solubility in I and causes the appearance of apatite. The degree of P_2O_5 transfer into a form soluble in I depends not only on the ratio of $MgSO_4$:apatite, but also on the method of cooling. Products containing 20-24% P_2O_5 , soluble in I, are obtained by rapid cooling of the fusion at a 1150° temperature. The addition of some % of

Card 2/3

27

POLAND / Chemical Technology. Chemical Products and Their Applications. Fertilizers. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12404.

Abstract: of fusing agent (Na_2SO_4 , K_2SO_4) decreases the fusion temperature by 150-200° with preservation of a high degree of P_2O_5 transformation into a form soluble in I. The F content in the products comprises 50-90% of its content in the charge which, however, does not influence the solubility in I.

During fusion of MgSO_4 with apatite a thermal decomposition of MgSO_4 occurs, which in the charge containing a surplus of apatite is relatively low. The product is well reduced. Vegetation tests showed that reduction of the product to particles less than 0.25 mm does not influence its effectiveness. -- Ye. Brutskus.

Card 3/3

POLAND / Chemical Technology, Chemical Products and Their
Application: Fertilizers.

H-9

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16013

Author : Swiecki, Z., Bohrownicki, W.

Inst : Not given

Title : Investigation of Phases Involved in the Manufacture of
Fused Magnesium-Silica-Phosphates

Orig Pub : Chem. stesow., 1957, 1, No 2, 181-187

Abstract : Investigation of the $3\text{Ca}(\text{PO}_4)_2 \cdot \text{CaF}_2 - \text{MgO} \cdot \text{SiO}_2 - \text{SiO}_2$
system employing thermal, microscopic, X-ray, and chemical
methods. The determination of melting points with the aid
of Ziegler's cones gave low values for the mixtures of
apatite and Mg-silicate. The indicated hypothetical phase
system corresponds in reality to a portion of the phase
system composed of a number of independent components (4 or
5). In the partial melting (at 1220-1240°) an incomplete

Card 1/2

POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

D.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28295

Author : Bobrowinicki, W., Kanick, K., and Sikora, S.

Inst : -

Title : Klodav Potassium Salts.

Orig Pub : Chemik, 10, No 7-8, 199-202 (1957) (in Polish)

Abstract : By their phase composition the salts investigated appear to be mixed and have been shown to contain halite, carnallite, sylvinitc, kieserite with small amounts of anhydrite, mud, and in certain horizons, langbeinite. Carnallite appears to be the main mineral. The chemical composition of a number of characteristic samples is given. The deposit is of great commercial importance.

Card 1/1

Bobrownicki, W.

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 2. - Fertilizers.

H-9

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47377

Author : Wlodzimierz Bobrownicki, Stanislaw Sikora

Inst : _____

Title : Conversion of Klodavo Carnallite into 40%-ual Potassium
Fertilizer and High-Parcentual Potassium Chloride.

Orig Pub : Chemik, 1957, 10, No 12, 355-361

Abstract : A review of existing methods of KCl separation from
mixed K-Mg raw materials. Basic trends of scientific-
research works of Polish scientists in this sphere.
Description of the technological scheme, accepted for
the design of the first Polish works for treating car-
nallite-kieserite raw material proposed to produce
40%-ual K fertilizer (K_2O) by the usual halurgical
method and 98%-ual KCl by decomposing artificial car-
nallite.

Card 1/1

COUNTRY : POLAND H
CATEGORY : Chemical Technology. Chemical Products and Their
Application. Fertilizers.
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61440
AUTHOR : Bobrownicki, W., Stopa, S.
INSTITUTE : -
TITLE : New Fertilizer Based on the Employment of Calcium
Metaphosphate
ORIG. PUB. : Bull. Acad. polon. sci. Ser. sci. chim., geol.
et geogr., 1958, 6, No 9, 595-600
ABSTRACT : Investigations revealed, that molten and hardened
Ca-metaphosphate, as well as its melts containing
up to 30% apatite, form glass-like products, com-
pletely soluble in neutral solutions of NH₄-citra-
te. Melts containing 27% apatite dissolve equally
well in a 2% citric acid. Determined are the soli-
dification temperatures of pseudo-binary systems
of Ca-metaphosphate - 50% apatite, the declassi-
fication temperatures and hygroscopicity of the
melt of Ca-metaphosphate containing 40% apatite.
Results of analyses performed on deglassified
melts for the P₂O₅ content (soluble in citric acid)

Card: 1/2

H - 25

BOBROWNICKI, W.

Pseudobinary section $\text{Ca}_3(\text{PO}_4)_2$ - $\text{Mg}_3(\text{PO}_4)_2$ in the ternary system CaO - MgO - P_2O_5 . Włodzisław Bobrownicki and Kazimierz Sławiński (Politechnika, Wrocław, Poland). *Kochemia* 33, 281-1 (1959) (English summary); cf. *C.A.B.* 52, 5722a.—The section $\text{Ca}_3(\text{PO}_4)_2$ (I)- $\text{Mg}_3(\text{PO}_4)_2$ (II) is pseudobinary. There are a peritectic at 48% II and 1109° and one eutectic at 60% II and 1111°. A double compd. $\text{Ca}_2\text{Mg}_2(\text{PO}_4)_4$ (III) is formed at 1160° with a significant thermal effect. The results are confirmed by thermal, x-ray, and microscopic analysis and by sp. vol. detns. Solid solns. are formed in this system. Addn. of II to I stabilizes the low-temp. phase of I. Addn. of I to II does not practically lower the temp. of transition of α -II to β -II (1055°). III shows high soly. in 2% citric acid. II lowers the soly. of I, whereas addn. of I to II does not affect the soly. of the latter. A. Krglewski.

4
4E2C

BOBROWICKI, W.; STOPA, S.

A new fertilizer based on calcium metaphosphate. In German. *Bull
Ac Pol chim* 6 no.9:595-600 '58. (EEAI 9:6)

1. Laboratorium der Physicalisch-Chemischen Grundlagen der
Chemischen Technologie, Institut für Physikalische Chemie,
Polnische Akademie der Wissenschaften. Institut der Anorganischen
Technologie der Technischen Hochschule, Wrocław. Vorgelegt von
W. Bobrownicki.

(Calcium metaphosphates)
(Fertilizers and manures)

BOBROWNICKI, Wlodziemierz; PIENIAZEK, Tadeusz

Obtaining of thermophosphate by fusing apatite with silica and calcium sulfate while simultaneously utilizing the evolving sulfur dioxide. *Chemia stosow* 4 no.3/4:359-371 '60. (REAI 10:9)

1. Zaklad Fizykochemicznych Podstaw Technologii Instytutu Chemii Fizycznej PAN i Katedra Technologii Nieorganicznej Politechniki Wroclawskiej.

(Sulfur dioxide) (Phosphates) (Apatite) (Silica)
(Calcium sulfate)

BOBROWNICKI, W.; SLAWSKI, K.

Pseudobinary section $\text{Ca}_2\text{P}_2\text{O}_7$ — $\text{Mg}_2\text{P}_2\text{O}_7$ in the ternary system
 CaO — MgO — P_2O_5 . Bul chim PAN 8 no.5:261-264 '60.
(EEAI 10:9/10)

1. Institute of Physical Chemistry, Polish Academy of Sciences.
Department of Industrial Inorganic Chemistry Technology, Wrocław.
Presented by W. Bobrownicki.

(Carbon) (Phosphorus) (Oxides) (Magnesium)

BOBROWNICKI, Włodzimierz; KUBICKI, Josef; SCHROEDER, Jerzy

Communication on the results of basic studies on the preparation
of thermophosphate called superthomassine with small amount of soda.
Przem chem 41 no.3:143-144 Mr '62.

1. Katedra Technologii Nieroganicznej Politechniki Wrocławskiej

BOBROWNICKI, Włodzimierz; KUBICKI, Józef

Studies on the solubility of P_2O_5 of calcium-sodium phosphate in conventional solvents. Przem chem 41 no.6:303-305 Je '62.

1. Katedra Technologii Nieorganicznej, Politechnika, Wrocław i Pracownia nr. 3 Zakładu VII Instytutu Chemii Fizycznej, Polska Akademia Nauk, Wrocław.

BOBROWNICKI, Włodzimierz; KUBICKI, Jozef

Studies on the preparation and structure of calcinated phosphate.
Pt. 1. Przem chem 41 no.12:699-702 D '62.

1. Katedra Technologii Nieorganicznej, Politechnika, Wrocław, 1
Pracownia nr. 3, VII Zakład Instytutu Chemii Fizycznej, Polska
Akademia Nauk, Wrocław.

BOBROWNICKI, Wlodzimierz; SLAWSKI, Kazimierz

Studies on the possibility of using magnesium metaphosphate for fertilizing purposes. *Chemia stosow* 8 no. 1:3-15 '64.

1. Laboratory No. 3, Department VII, Institute of Physical Chemistry, Polish Academy of Sciences and Department of Inorganic Technology, Technical University, Wroclaw.

BOBROWNICKI, Wlodzimierz; PIENIAZEK, Tadeusz

Studies on the possibilities of increasing the transformation rate of P_2O_5 in calcium silicate thermophosphates with high apatite content by applying vitrifying admixtures or by partially defluorinating the melts. *Chemia stosow* 8 no. 2: 161-170 '64.

1. Department of Inorganic Technology, Technical University, Wroclaw and Department of Basic Physicochemical Problems in Technology, Institute of Physical Chemistry, Polish Academy of Sciences.

SYNOWIEC, Jerzy; BOBROWICKI, Włodzimierz

Studies on the hydrogen chloride desorption from aqueous solutions. Pt.2. *Chemia stosow* 8 no.4:383-403 '64.

1. Institute of Inorganic Chemistry, Gliwice, and Department of Inorganic Technology, Technical University, Wrocław.

HOBROWNICKI, Wladzimierz; JARMAKOWICZ, Jozef

Influence of neutron bombardment on the structure of apatite.
Chemia stosow 8 no.4:475-476 '64.

1. Laboratory No.9, Wroclaw, of the Institute of Physical
Chemistry of the Polish Academy of Sciences.

BOBROWNICKI, Włodzimierz; PIENIAZEK, Tadeusz

Studies to explain the mechanism of forming calcium silicate
thermophosphate. Chemia stosow A 9 no.1:19-28 '65.

1. Department of Inorganic Technology of Wrocław Technical
University and Department of Technology of Mineral Fertilizers
of the Institute of Physical Chemistry of the Polish Academy of
Sciences. Submitted January 10, 1963.

SZCZĘKLIK, Edward; BOBROWSKA, Jadwiga; MROZEK, Jan

Primary chronic rheumatism and rheumatic disease. Polskie arch.
med. wewnetr. 24 no.3a:403-410 1954.

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej we
Wrocławiu i z Ośrodka Klinicznego w Świeradowie. Kierownik: prof.
dr E. Szczęklik.

(ARTHRITIS, RHEUMATOID, differential diagnosis)

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(RHEUMATISM, differential diagnosis,)
*

MROZNIK, Jan; BOBROWSKA, Jadwiga

Application of ACTH during the threatment of chronic rheumatic diseases with radon Swieradow waters. Polskie arch. med. wewnetrs. 24 no.3a:451-454 1954.

1. Z Osrodka Neukowo-Leczniczego w Swieradowie-Zdroju i III Kliniki Chorob Wewnetrznych Akademii Medycznej we Wroclawiu. Kierownik: prof. dr E. Szczeklik.

(BALNEOLOGY, in various diseases,

*rheum., with ACTH)

(RHEUMATISM, therapy,

*ACTH with balneother.)

(ACTH, therapeutic use,

*rheum., with balneother.)

SZCZEKLIK, Edward; BROZEK, Jan; BOBROWSKA, Jadwiga

Result of the treatment of rheumatic disease and of rheumatoid arthritis with radon water from Swieradow. Polskie arch. med. wewnetrz. 24 no.5a:892-897 1954.

1. Z III Kliniki Chorob Wewnetrznych Akademii Medycznej we Wroclawiu i z Orodka Klinicznego w Swieradowie. Kierownik: prof. dr. E. Szczeklik.

(RHEUMATISM, therapy,
balneother.)

(BALNEOLOGY,
balneother. of rheum.)