

Card 2/3

stalled tools, etc. A wide variety of vibratory machines now exists in the Soviet Union. Their vibration frequency varies between 400 and 10,000 oscillations per minute. According to the principle upon which the vibration is induced, the machines under discussion can be grouped into mechanically, electromagnetically, hydraulically or pneumatically operated types. They are further divided into surface type machines and submersible type machines. In geological surveys the mechanical vibratory machines, driven by internal combustion motors or electric motors, are most frequently used. The types of vibratory machines used in the Soviet Union for geological exploration are shown in a table. The author also explains, and shows in a schematic drawing, how a two-block vibrator with horizontal shafts as well as a two-block vibrator with vertical shafts, operates. These vibrators are used to eliminate troubles caused by casing pipes or stalled tools. A general view of the BT-9 two-block vibrator used to release a frozen drill pipe is shown in Fig. 3. Fig. 4 shows a design of a vibratory hammer used for the same purpose. This hammer differs in that it produces powerful blows which increase the vibration effect.

SOV/92-59-3-4/44

Vibratory Machines (cont.)

Card 1/3

ABSTRACT: According to this article, the vibratory method is being successfully used in the Soviet Union in exploratory drilling of shallow wells (up to 20 m deep) when the formation to be perforated is soft. In this case the pipe stem is forced into the ground without rotation. The drilling speed rate attained by using the vibratory method exceeds the rate of any other method used in drilling a similar well by 2.5-4 times. In 1951 and 1953 scientific research institutes proved that vibrodripping can also be used for perforating a hard formation. However, machines of this type are mostly used either for the perforation of a soft formation or for other operations, for example, extracting casing pipes,

PERIODICAL: Nefyanik, 1959, Nr 3, pp 4-8 (USSR)

TITLE: Vibratory Machines Used in Exploratory Drilling (Vibromashiny v razvedochnom burenti)

AUTHOR: Makurin, N.S., and B.M. Rebrlik

SOV/92-59-3-4/44

14(5)

Using hard alloy bits for air drilling. Izv. Vys. ucheb. zav.:  
Geol. i razv. 2 no. 9:111-122 S 199. (MIRA 13:4)

I. Moskovskiy Geologorazvedochnyy Institut im. S. Ordzhonikidze.  
(Boring machinery)

MAKURIN, N.S.; FILALOV, B.S.

MAKURIN, N.S.  
Compressed air and gas drilling. Izv. vys. ucheb. zav.: Geol. i razv.  
I. no. 4: 110-120 Ap 1958. (MIRA 11:12)  
I. Moskovskiy geologorazvedochnyy institut, Katedra razvedochnogo  
bureniya.  
(Boring)

FOMIN, A.P.; OCHINNIKOV, F.M.; KOROVIN, M.A.; MAKURIN, N.D.; KOMAROVA, T.A.; SMIRNOVA, V.A.; ZELENETSKAYA, L.V., red.; SAVTANIDI, L.D., tekhn. red.

Wages on state farms and other state agricultural enterprises; basic regulations and instructions on wages of labor in soviet enterprises and instructions on wages of labor in soviet enterprises. Moscow, Izd-vo MSKh SFSR, 1962. 483 p. (MIRA 16:2)

1. Russia (1917- R.S.F.S.R.) Upravleniye organizatsii truda i zarabotnoy platy. 2. Upravleniye organizatsii truda i zarabotnoy platy Ministerstva proizvodstva i zagotovki sel'skokhozyaystvennykh produktov SFSR (for all except Zelenetskaya, Saytandi).

(Agricultural wages)

[Wages in the repair shops of state agricultural enterprises]  
Oplata truda v remonnykh masterskikh gosudarstvennykh pred-  
priyatiy sel'skogo khozaystva; spravochnik dlya rabochikh i  
inzhenerno-tekhnicheskikh rabotnikov remonnykh masterskikh  
gosudarstvennykh sel'skhozaystvennykh predpriyatiy. Moskva,  
Izd-vo M-va sel'skhoz.R.S.S.R., 1962. 134 p. (MIRA 15:12)

1. Glavnyy inzhener Upravleniya organizatsii i oplaty truda  
Ministerstva proizvodstva i zagotovok sel'skhozaystvennykh  
produktov R.S.S.R. (for Makurin).

(Agricultural wages)  
(Agricultural machinery--Maintenance and repair)

MAKURIN, Nikolay Dmitriyevich; ADEL'FINSKAYA, Ye.N., red.; LEVINA,  
L.G., LEVINA, L.G., tekhn. red.

VALIEV, K.G.; MAKURIN, N.D.; VOLOKHOV, S.G.; NEUMINA, M.M.;  
SAZONOV, V.V., red.; LEVINA, I.G., tekhn. red.

[Collection of consolidated approximate time norms for the  
repairing of agricultural equipment] Sbornik ukрупnennykh  
primernykh normativov vremeni na remont sel'skokhozyaystven-  
noi tekhniki. Moskva, Izd-vo M-va sel'skhoz. HSSSR. Pt. 1.  
[Tractors, combines and motortrucks] Trektory, kombayny i  
avtomobilya. 1960. 195 p.  
(MIRA 15:3)

1. Isslia (1917- R.S.F.S.R.) Ministerstvo sel'skogo kho-  
zyaystva. Upravleniye organizatsii truda i zarabotnoy platy.  
2. Otdel tekhnicheskogo normirovaniya Upravleniya organizatsii  
truda i zarabotnoy platy Ministerstva sel'skogo kho-  
zyaystva RSFSR (for Valiev, Makurin, Volokhov, Neumina).  
(Tractors--Maintenance and repair)  
(Motortrucks--Maintenance and repair)  
(Combines (Agricultural machinery))--Maintenance and repair)

-13-

MAKURIN, I. A. Cand Agr Sci -- (disc) "Experience of vanguard shepherd  
brigades in the karakul breeding state-farms of Kazakhstan." Mos, 1968.  
27 pp (Min of Agr USSR, Mos Vet Acad), 150 copies (KI, 36-58, 114)



MAKURIN, A.S.  
New data on the Pre-Cambrian stratigraphy of the Qurq Tagh. Izdy  
MORI 38:55-62 '60.  
(Tien Shan--Geology, Stratigraphy)  
(MIRA 14:5)

Reviews and bibliography. Vest. Mosk. un. Ser. 5: Geog. 20  
no. 195-96 Ja-F 195. (MIRA 18:3)

MARKOV, K.K.; KAKUNINA, A.A.

KOVAL'SKAYA, N.Ye.; MAKUNINA, A.A.; NIKOLAYEVSKAYA, Ye.M.  
Diploma project themes in the Geographical Faculty of Moscow  
University. Vest. Mosk. un. Ser. 5: Geog. 19 no. 3: 63-69  
Mj-je '64.  
(MIRA 17:6)  
1. Kafedra ekonomicheskoy geografii SSSR, kafedra fizicheskoy  
geografii SSSR i kafedra kartografii Moskovskogo universiteta.

KOVAL'SKAYA, N.Ya.; MAKUNINA, A.A.  
On Z.P. Igumnova's 60th birthday. Vest. Mosk. un. Ser. 5: Geog. 18  
no. 3: 73. My-je '63.  
(Igumnova, Zola Petrovna, 1903-)  
(MIRA 16:6)

Some results of the geochemical studies of landforms in the  
region of the pyritic copper deposit in the Southern Ural.  
Vop. geoz. no. 59:132-144 '62.  
(MIRA 16:1)

(Ural Mountains--Ore deposits)

(Ural Mountains--geochemical prospecting)

MAKUNINA, A. A.

МАКУНИНА, А. А.; СОРОКИНА, Ye. P.; БУЧКОВСКИЙ, B. S.  
Secondary halos of dispersion in the copper-cobalt deposits  
of the Southern Urals. Top. Геог. no. 59:53-81, '62.  
(MIRA 16:1)  
Urals Mountains—Ore deposits  
Urals Mountains—Geochemical prospecting

MAKUNINA, Aleksandra Aleksandrovna, dots.; PARMUZIN, Yuriy Pavlovich,  
starshiy nauchnyy sotrud.; GVOZDETSKIY, N.A., prof., red.;  
DANIL'CHENKO, O.P., red.; LAZAREVA, L.V., tekhn. red.

[Physical geography of the U.S.S.R.] Fizicheskaya geografiya  
SSSR; izbrannye lektsii dlya studentov-saouchnikov geograficheskikh  
fakultetov gosudarstvennykh universitetov. Pod red. N.A. Gvozdet-  
skogo. Moskva, Izd-vo Mosk. univ. No. 6. 1962. 141 p.  
(MIRA 16:2)  
I. Moscow. Universitet. Nauchno-metodicheskyy kabinet po zsochnomu  
I. vechernemu obucheniyu.

(Physical geography)

GLAZOVSKAYA, Mariya Al'tredovna, prof.; MARKUNINA, Aleksandra Aleksandrovna, kand. geogr. nauk; PAVLENKO, Irina Alekseyevna, kand. geogr. nauk; BOZHKO, Margarita Georgiyevna, staryshiy laborant; GAVRILOVA, Irina Pavlovna, nauchnyy sotrudnik; laborant; GRUNVAL'D, V.P., retsenzent; ZASUKHIN, G.N., retsenzent; PEREL'MAN, A.I., red.; FADYEVA, I.I., red.; YERMAKOV, M.S., tekhn. red.

[Geochemistry of land forms and prospecting for minerals in the Southern Urals] Geokhimiya landshartov i poisk i poloznykh tsukh-promyshlennyykh na Uzhnom Urale. Pod red. A.I. Perel'mana. Moskva, Izdat-siya Mosk. univ., 1961. 180 p. (MIRA 15:2)

1. Nachal'nik Yuzhno-Ural'skoy landshartno-geokhimicheskoy ekspeditsii geograficheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta (for Glazovskaya). 2. Yuzhno-Ural'skoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Grunval'd, Zasukhin). (Ural Mountains--Geochemical prospecting)



MARKOVINA, Aleksandra Aleksandrovna, dozent; MIKHAYLOV, Nikolay Ivanovich,  
 dozent; PARMUZIN, Kury Pavlovich, starshy nauchnyy sotrudnik;  
 SCHOV'INA, Aleksandr Ivanovich, dozent; GROMITSKIY, N.A., prof.,  
 red.; IUDIN, G.F., red.; IZHMAKOV, M.S., tekhn.red.  
 [Physical Geography of the U.S.S.R.: selected lectures for  
 correspondence school students attending geographical faculties  
 of state universities] Fizicheskaya Geografiya SSSR; Izbrannyye  
 lektsii dlya studentov-nauchnikov geograficheskikh fakul'tetov  
 gosudarstvennykh universitetov. Pod red. N.A.Gorodetskogo.  
 Moskva, Izd-vo Mosk.univ. No.4. 1960. 167 p.  
 (MIRA 14:3)  
 1. Katedra fizicheskoy geografii SSSR geograficheskogo fakul'teta  
 Moskovskogo gosudarstvennogo universiteta (for Makunina, Mikheylov,  
 Paruzin, Solov'yev). 2. Zaveduyushchiy kabinetom fakul'teta geografii  
 Moskovskogo gosudarstvennogo universiteta; onlen-korrespondent Akademii  
 pedagogicheskikh nauk (for Solov'yev). (Physical Geography)

Mantleation of pyrite deposits in the relief of the eastern  
slope of southern Ural. Nauch. dokl. vyz. shkoly: geol.-geol.  
nauki no. 3: 158-161, 58.  
1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra  
fizicheskoy geografii SSSR.  
(Ural Mountains--Pyrites)

МАКУНИНА, А.А.

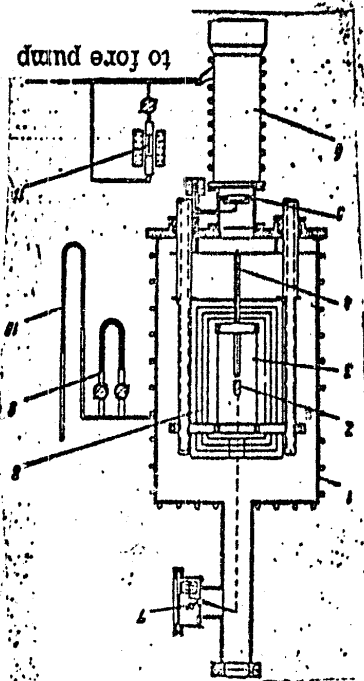


Figure 1. Equipment for a study of kinetics of carbon reduction of vanadium oxides

1-oven housing 2-test piece 3-heater 4-thermocouple 5-pressure regulator 6-diffusion pump 7-scales 8-tap system 9-pressure regulator 10-mercury pressure gauge 11-pressure regulator valve

ACCESSION NR: AT4033718

ENCLOSURE: 01

Card 2/3

SUBMITTED: 18Oct63  
SUB CODE: ML  
DATE ACQ: 16Apr64  
NO RFR SOV: 004  
ENGL: 01  
OTHER: 001

ASSOCIATION: Komissiya po fiziko-khimicheskim osnovam proizvodstva stali  
(Committee on the Physico-Chemical Basis of Steel Production)

Vanadium. The first stage can be carried out at temperatures not exceeding 1300C and pressures obtainable with a force pump (reduction level 60 to 70%). The oxycarbide system is then subjected to further reduction, the temperature gradually increasing to 1600C, and the pressure decreasing to 10<sup>-3</sup> mm Hg. The resulting spongy vanadium contains about 1% each of C and O. Further refining required the renewal of the reaction surface (grinding and reforming of briquets) and processing in high temperature vacuum ovens (near 1700C, 10<sup>-3</sup> to 5·10<sup>-4</sup> mm Hg). The final metal was ductile. Orig. art. has: 2 graphs and 1 illustration.

ACCESSION NR: AT4033718

Card

1/3

ABSTRACT: Experiments were carried out at the Institut metallurgii im. A. A. Baykova (Metallurgical Institute) under the guidance of A. M. Samarin (Gort. member of the AN SSSR) to develop techniques for producing ductile vanadium by the carbon reduction of its oxides at temperatures below the metal's melting point. Special equipment (see Fig. 1 in the Enclosure) and the experimental procedures are described. For the range of 900 to 1600C and 10<sup>-3</sup> to 10<sup>-3</sup> mm Hg, the process involves two stages: development of an oxide system, followed by a reaction between the lower oxides and carbides of

TOPIC TAGS: vanadium, vanadium trioxide reduction, vanadium oxide, vanadium reduction, vanadium reduction process, vanadium reduction kinetics

SOURCE: USSR. Komissiya po fiziko-khimicheskim osnovam proizvodstva stalii. Fiziko-khimicheskiye osnovy\* metallurgicheskikh protsessov (Physico-chemical basis of metallurgical processes); sbornik statey. Moscow, Metallurgizdat, 1964, 66-71

TITLE: A study of carbon reduction of vanadium oxides in a vacuum

AUTHOR: Makunin, M. S.; Polyakov, A. Yu.

ACCESSION NR: AT4033718 S/0000/64/000/000/0066/0071

Card 2/2

of the process of reduction of mixtures of vanadium and iron oxides by carbon was studied at pressures from  $10^{-3}$  to 200 mm Hg and at temperatures of 600 to 1300°C. The process is very economical and yields purer products than envisaged by Soviet GOST (GOST) standards. Briquettes of ferrovanadium obtained in an analogous process at a temperature of 1100°C and at a pressure of 0.1 mm Hg have an insufficient mechanical strength and therefore re-briquetting and sintering at 1350°-1400° in vacuum is necessary. There are 4 figures and 2 tables.

Investigation of the....

S/509/62/000/010/005/005  
I003/I203

card 1/2

TEXT: The reduction of vanadium pentoxide in vacuum is less expensive than the present USSR process of reduction by ferrosilicon and aluminum in an electric furnace. The kinetics

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Trudy, no. 10. Moscow, 1962, 246-251. Metallurgiya, metallovedeniye, fiziko-khimiicheskiye metody tsaledovaniya

TITLE: Investigation of the vacuum preparation of ferrovanadium and ferrotungsten

AUTHORS: Yang Nan-tsu, Makunin, M.S., Polyakov, A.Yu., and Samarin, A.M.

s/509/62/000/010/005/005  
I003/I203

card 4/4 - 3/8

261	3. Melting of ferrovanadium and ferrochromium
253	2. Melting of ductile vanadium and chromium metal
242	1. Melting of carbon-free ferrochromium
241	for Melting Ferroalloys and Pure Metals
	Polyakov, A. Yu., and M. S. Makunin. Vacuum Processes
234	
224	4. Properties of metal remelted in vacuum arc furnace
215	3. Effect of technological factors on the quality of metal
206	2. Change in metal composition as a result of remelting
206	1. Special features of vacuum arc furnaces
	<u>Steelmaking</u>
	Okorokov, G. N. The Use of Vacuum Arc Furnaces in
203	Conclusion
190	4. Properties of vacuum-melted steels and alloys
185	3. Melting of steels and alloys
	Vacuum Metallurgy

SOV/6270

(1)



Card 2/3

SOV/5270

designing, calculation, and operation of vacuum systems, are reviewed in detail, along with vacuum-measuring techniques. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

**TABLE OF CONTENTS:**

Foreword 5

Polyakov, A. Yu. Thermodynamic Fundamentals of Vacuum Application in the Processes of Making Steels and Alloys 7

1. General Laws 7

2. Reactions in reduction of metal oxides with carbon 29

3. Oxidation of steel 33

4. Degassing of metal 46

5. Distillation of alloy components in vacuum-melting processes 53

6. Interaction of molten metal and refractory lining 63

Card 1/2

COVERAGE: Thermodynamic fundamentals of vacuum application in various metallurgical processes and problems of melting in vacuum induction and arc furnaces are discussed. Procedures of casting large ingots and vacuum degassing of steel in ladles are described, along with designs of metallurgical vacuum equipment. Problems connected with the use of mechanical and steam-ejector vacuum pumps, and with the

PURPOSE: This book is intended for engineering personnel of metallurgical and machine-building plants, scientific research workers and teachers, and aspirants and students at schools of higher technical education.

Ed. of Publishing House: V. I. Pittsya; Tech. Ed.: I. V. Dobuzhinskaya.

Vakuumnaya metallurgiya (Vacuum Metallurgy). Moscow, Metallurgizdat, 1962. 515 p. Errata slip inserted. 3200 copies printed.

Samarin, A. M., ed., Corresponding Member, Academy of Sciences USSR.

PHASE I BOOK EXPLOITATION SOV/6270

8 Copies 1 + 2

MARKIN, M.S.

SOV/180-59-2-6/34  
Properties of Vanadium Obtained by Carbon-Thermic Reduction in a Vacuum

surface). Mechanical tests were carried out on type KHD-3 tensile test-pieces made from the hot-forged bar. The results for the forged state and after annealing at 1000°C (Table 2) show high plasticity and adequate strength. Part of the material was cold rolled to a reduction of 87% without intermediate annealing: little work-hardening occurred (Fig 5 shows hardness as a function of relation deformation), and a 1.1 mm cold-rolled plate was rolled without intermediate annealing to 1.2 - 1.5 micron thick foil. Corrosion tests in boiling HCl (10 and 17%) and H<sub>2</sub>SO<sub>4</sub> (10, 17 and 30%) solutions showed (Table 3) high resistance, greatly superior to that of titanium or type 1 K18N9T steel.

Card 3/3

There are 5 figures, 3 tables and 3 Soviet references. SUBMITTED: October 8, 1958

SOV/180-59-2-6/34  
Properties of Vanadium Obtained by Carbon-Thermic Reduction in a Vacuum

place when briquettes were arc melted in an argon atmosphere with tungsten electrodes. Consumable electrodes of briquetted vanadium made in a vacuum attachment on a type MTP-150 butt-welding machine, gave a purer product. A.I. Pugin participated in this part of the work. The electrodes were fused in an arc furnace with a 37-40 mm diameter water-cooled copper mould at 5 x 10<sup>-4</sup> mm Hg. A typical cast and forged ingot contained 0.07, 0.016 and 0.038 % carbon, oxygen and nitrogen, respectively, the nitrogen content being almost the same as in the briquette used for the electrodes. As annealing (1100°C in vacuo) produces no structural changes the resultant decrease in hardness is attributed by the authors to the removal of internal stresses generated during the rapid cooling in the mould. The ingot was forged with a 75-kg hammer with re-heating to 800°C to a reduction of 68.5%. The heating of the ingot before and during forging was effected in air, but oxidation and nitrogen pick-up (leading to hardening) were confined to the surface layers (Fig 4 shows micro-hardness as a function of distance from Card 2/3

SOV/180-59-2-6/34  
 AUTHORS: Makunin, M.S., Polyakov, A.Yu., and Samarin, A.M. (Moscow)  
 TITLE: Properties of Vanadium Obtained by Carbon-Thermic  
 Reduction in a Vacuum (Soystva vanadiya, poluchennogo  
 metodom ugletermicheskogo vostanovleniya v vakuumе)  
 PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye tekhnicheskikh  
 nauk, Metallurgiya i Toplivo, 1959, Nr 2, pp 35-39 (USSR)  
 ABSTRACT: In previous communications (Refs 1,2) results of  
 experiments on a process for producing malleable vanadium  
 by reduction of  $V_2O_3$  with carbon in a vacuum at a  
 temperature below the metal melting point, are given.  
 Further work showed that the reduction should be  
 effected in several stages (the final one at 1680 to  
 1750 °C and 10<sup>-3</sup> - 5 x 10<sup>-4</sup> mm Hg) with intermediate  
 crushing and rebriquetting. Table 1 shows the weight  
 percentage of carbon and oxygen in the final product, the  
 values being shown as functions of each other for various  
 conditions in Fig 2. A better relation between carbon  
 and oxygen was obtained with a high-capacity type BN-3  
 booster pump than with a type TSVI-100 diffusion pump.  
 In experiments on the production of cast vanadium it was  
 found that contamination with tungsten and nitrogen took

Card 1/3

MOSCOW 30 JUN 1959

Report submitted for the 5th Physical Chemical Conference on  
Steel Production.

Issledovanie kinetiki vosstanovleniya okslov  
vanadiya.

MARKUNIN, M.S.; POLYAKOV, A.Yu.; SAMARIN, A.M.

MAKUNIN, M. S., Cand Tech Sci -- (diss) "Reduction of vanadium oxides  
in vacuum." Moscow, 1960. 11 pp; (Academy of sciences USSR, Inst of  
Metallurgy im A. A. Baykov); 150 copies; price not given; printed on  
duplicating machine; (KL, 22-60, 137)

*Manuscript 1-6 July 1958*  
paper presented at Second Symposium on the Application of Vacuum Metallurgy.  
"Properties of Vanadium Obtained by Carbon Reduction in Vacuum."

~~MAKUNIN, M. S., POIXAKOV, A. Yu., and SAMARIN, A. M.~~  
Institute of Metallurgy Im. A. A. Baikov



ILLEGIBLE

ILLEGIBLE

ILLEGIBLE

MAKUNIN, A., mayor

A committee for Communist Youth League work. Komm. Vooruzh. Sil  
3 no.21:59-61 N '62. (MIRA 15:10)

1. Pomoshchnik nachal'nika politicheskogo upravleniya Leningrad-  
skogo veyennogo okruga po komsomol'skoy rabote.

(Russia--Army--Political activity)  
(Communist Youth League)

GREBENYUK, V.I.; MAKUNI, Ye.P.

Methodology of medical gymnastics following the plastic operation of suturing the facial nerve to the phrenic nerve. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.2:151-153 Mr-Apr '62.

(MIRA 15:11)

1. Iz kliniki neyrokhirurgii Voyenno-meditsinskoy akademii imeni S.M.Kirova (nachal'nik B.A.Samotokin).

(EXERCISE THERAPY)(NERVES,FACIAL-~~SURGERY~~)(PHRENIC NERVE--SURGERY)

MASKHARASHVILI, A.A.

---

Eight-axle T8 d.c. electric locomotive. Elek.i tepl.tiaga 5  
no.9:35-41 S '61. (MIRA 14:10)

1. Glavnyy inzh. Tbilisskogo elektrovostroitel'nogo zavoda  
im. V.I.Lenina.

(Electric locomotives)

MAKUNI, Mikhail Antonovich; ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn.  
red.

[Field laboratory tests of soils and road building materials]  
Polevye laboratornye ispytaniia gruntov i dorozhno-stroitel'nykh  
materialov. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo  
transp. i shosseinykh dorog RSFSR, 1961. 95 p. (MIRA 15:1)  
(Soils--Testing) (Road materials--Testing)

MAKUNI, M.A.; TRESKINSKIY, S.A.

More about the use of gravel in road construction. Avt. dor. 23 no.5:  
30 My'60. (MIRA 13:10)

(Roads, Gravel)



MAKUNI, M.A., insh.

Field determination of silt and clay particle content in sandy  
soils. Avt.dor. 22 no.3:23 Mr '59. (MIRA 12:4)  
(Soils--Analysis)

MAKUNI, M.A.

MAKUNI, M.A., inzhener; FLYAKH, V.S., inzhener.

Aeronautics in highway surveying. Avt. dor. 20 no.4:26 Ap '57.  
(Aeronautics in road construction) (MERA 10:6)

MAKUN, Mikhail Antonevich; SILAKOV, D.P., redaktor; GALAKTIONOVA, Ye.N.,  
tekhnicheskii redaktor.

[Prospecting deposits of road-building materials] Poiski i razvedka  
mestorozhdenii dorozhnostroitel'nykh materialov. Moskva, Nauchno-  
tekhn.izd-vo avtotransp.lit-ry, 1957. 137 p. (MLRA 10:6)  
(Road materials) (Prospecting)

MAKUNI, Mikhail Antonovich; PLOTNIKOV, S.A., redaktor; GALAKTIONOVA, Ye.N.  
~~tehnicheskii~~ redaktor.

[Stone and its use in road building] Kamen' i ego primeneniye v  
dorozhnom stroitel'stve. Moskva, Nauchno-tekhn. izd-vo avto-  
transp. lit-ry, 1955. 61 p. (MLRA 8:9)  
(Road construction) (Stone)

ACCESSION NR AM4032512

Ch. IV. Soaring tactics in a glider - - 104

SUB CODE: AI

SUBMITTED: 01Mar63

NR REF SOV: 000

OTHER: 000

DATE ACQ: 20Apr64

Card 2/2

ACCESSION NR AM4032512

BOOK EXPLOITATION

S/

Vel'gus, S.; Makulya, Edvard; Skshidlevskiy, S.

Glider flights (Perelety\* na planere), Moscow, DOSAAF, 1963, 145 p. illus.  
Translation from the Polish by YU. Sneshko.

TOPIC TAGS: glider, soaring, glider aerodynamics, meteorology, navigation

PURPOSE AND COVERAGE: The authors of the book are famous Polish gliderists. For example, Edvard Makulya has set nine national and international records, in 1960 came in second in the VIII International Soaring Contests in Cologne, and has been awarded twice the FAI gold medal with diamonds. The book is written in simple language and is intended for readers with secondary school mathematics. In order to understand the material, it is necessary to know the basic theory of glider aerodynamics and meteorology.

TABLE OF CONTENTS [abridged]:

- Ch. I. Preliminary information on the preparation and execution of a flight - - 3
- Ch. II. Selecting the flight regime in glider soaring - - 23
- Ch. III. Navigation in glider soaring - - 71

Card 1/2

SOV/20-122-6-27/49

The Investigation of the Spectra of the Electron Paramagnetic Resonance of Some Polymers Which Were Irradiated at 77°K

to obtain materials with fully satisfactory mechanical properties. These substances contain a large quantity (~0.1 %) of free radicals. There are 2 figures and 7 references, 4 of which are Soviet.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR  
(Institute for Chemical Physics of the Academy of Sciences, USSR)

SUBMITTED: July 24, 1958

Card 3/3

SOV/20-122-6-27/49  
The Investigation of the Spectra of the Electron Paramagnetic Resonance of  
Some Polymers Which Were Irradiated at 77°K

with a  $g$ -factor near 2.0036 was observed in all samples. After "thawing" of the sample down to room temperature the signal was in all cases found to change. In some cases, the signal vanished completely as a result of "thawing" (polyisobutylene, polydimethyl siloxane, natural rubber). In the case of other materials the character of the signal and its fine structure changed considerably. A comparison of all data obtained gave the following result: The character of the spectra obtained by investigating not "thawed" samples can be fully explained by the assumption that the predominant primary chemical act in irradiation is the stripping of one of the C-H bonds in the main chain (or in the absence of a main chain the stripping of a C-H bond in a lateral chain). The spectrum of paramagnetic electron resonance recorded at 77°K consists of 6 components. The even number of the spectrum in this as well as in other cases is connected with the formation of the radical  $\sim\text{CH}_2-\dot{\text{C}}\text{H}-\text{CH}_2\sim$ . The authors then discuss several details, especially such as concern the investigation of Teflon. By the irradiation of Teflon at low temperatures it is possible

Card 2/3



5(4) SOV/20-122-6-27/49  
AUTHORS: Tsvetkov, Yu. D., Dubnov, N. N., Makul'skiy, M. A.,  
Lazurkin, Yu. S., Voyevodskiy, V. V., Corresponding Member,  
AS USSR

TITLE: The Investigation of the Spectra of the Electron Paramagnetic  
Resonance of Some Polymers Which Were Irradiated at 77°K  
(Issledovaniye spektrov e.p.r. nekotorykh polimerov, obluchennykh  
pri 77°K)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 6, pp 1053-1056  
(USSR)

ABSTRACT: The authors carried out the above investigation for the pur-  
pose of solving several problems connected with the structure  
and chemical behavior of organic radicals in the solid phase  
as well as with the mechanism of chemical transformations  
in solid organic bodies under the influence of ionizing radia-  
tion. Polyethylene, polyvinyl chloride, "Teflon" (polyethylene  
tetrafluoride), polydimethyl siloxane, polyisobutylene, poly-  
methyl methacrylate and natural rubber were investigated. Car-  
rying out of the experiments is described in short. At 77°K  
a very intensive signal of paramagnetic electron resonance

Card 1/3

MAKULSKI, Witold, dr inz.

Part defects and building construction failures in the light  
of expertises of the Institute of Construction Engineering  
during the years 1961-1962 Inz 1 bud 21 no.8:261-270 Ag '64.

1. Institute of Construction Engineering, Warsaw.

MAKULSKI, Witold, dr inż.

Repair and reinforcement of ferroconcrete constructions.  
Konstrukcje budow inżyn. no.29:1-172 '64.

MAKULSKI, Witold, dr inż.

Determination of the border load carrying capacity of ferro-concrete beams based on measurements of the reinforcing elongations. Inz i bud 21 no.6:196-198 Je '64.

1. Institute of Construction Engineering, Warsaw.

GADOMSKI, Zygmunt, mgr inz.; MAKULSKI, Witold, dr inz.; SLONIEWSKI,  
Andrzej, mgr inz.

Cable-reinforced concrete in apartment building. Inst tech  
budow biul inf no. 15:49-53 '64.

MAKULSKI, Witold, dr inż.

Strength of joints of prefabricated H-Muranow type ferroconcrete frames. Inst tech budow biul inf no.15:41-48 '64.

Protection from corrosion of a wall made of defective brick.  
Ibid.:54-55

1. Department of Expertises, Institute of Construction Engineering,  
Warsaw.

MAKULSKI, Witold, dr inż.

Reinforcing of a damaged wooden framework. Inż i bud 20  
no.10: Supplement: Biul inst Techn bud 18 no. 409-410  
A-3 0 '63.

1. Zakład Ekspertyz, Instytut Techniki Budowlanej, Warszawa.

MAKULSKI, Witold, dr.inz.

Analytical studies on the relationship between the carrying capacity of a reinforced concrete beam and the permanent deflection resulting from the most unfavorable loading. Konstrukcje budow inzyn. no.23&1-155'63.



COUNTRY : Poland  
CATEGORY :  
Auth. Info. : Wiskulka, No. 14, 1959, 10.  
AUTHOR : Bukowski, J. and Masulski, A.  
TITLE : Not given  
SUBJ. : The Testing of hollow Gypsum Blocks. (P. 11).  
ORIG. PUB. : Inzynieria B-001, Vol. No. 8, 340-342 (1959)  
ABSTRACT : For Inst. 7 see Wiskulka, 1959, No. 7, 240-6.

CARD: 1/1

727

MAKULSKI, W.

"Dry ceilings for apartment houses." p. 390. (PRZEGLAD BUDOWLANY.  
Vol. 26, No. 12, Dec. 1954. Warszawa, Poland)

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

I. 45953-66 EWP(w) IJP(c) WW/EM  
ACC NR: AP6015733 (N) SOURCE CODE: PO/0102/66/000/004/0008/0012

AUTHOR: Makulski, Waldemar (Master of arts, Engineer) 44  
13

ORG: none

TITLE: Vibration measurement in aviation technology

SOURCE: Technika lotnicza i astronautyczna, no. 4, 1966, 8-12  
9m 24

TOPIC TAGS: aircraft industry, mechanical vibration, structure vibration, vibration analysis

ABSTRACT: The report is an initial installment in a series of articles concerning the four parameters of periodic vibrations (frequency, acceleration, mass displacement, velocity) as they relate to problems encountered in the aircraft industry. It offers a theoretical introduction to provide an understanding of phenomena occurring in vibrating mechanical systems. Topics include problems in vibration measurement, the nature of vibrations in a mechanical system, and vibrations in a nonlinear system. Basic mathematical principles and operations are illustrated, and photographs are included to show domestically produced linear displacement gages and electrodynamic vibration sensors. Orig. art. has: 9 figures and 16 formulas.

SUB CODE: 01,20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001/ SOV REF: 001

Card 1/1 blg

UDC: 534.15:629.13

MAKULSKI, Waldemar, inz.

Selection of the transistor converter system for aircraft  
deck installations. Inst lotn prace no.18:40-48 '63.

1. Opiniowal mgr inz. Jerzy Baranowski.

OPERATION: 17A 02501

... conditions within the station. Each segment of the ... will be orbited completely equipped and, after all ... thorough checks, the crew (20-25 persons) ... it is planned that 10 of the crew members will con- ... and the rest will do scientific research. For ... against cosmic rays, the probe will be placed at a ... altitude of 500 km. Its source ... nuclear reactor. (Fig. art. last 1 figure.)

DECLASSIFICATION: none

UNCLASSIFIED: 00

REF: 00

SUB CODE: SV

SV

SECRET: 000

OTHER: 000



MAKULSKI, C.

Application of pitch-water mortar for improvement of the surface of pavements.  
p. 17. DROGOWNICTWO. (Instytut Techniki Budowlanej) Warszawa. Vol. 11, no. 1, Jan. 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress,  
Vol. 5, No. 7, July 1956.

MAKULOVA, YE. V.

USSR/Cultivated Plants - Grains:

M-2

- Abs Jour : Ref Zhur - Biol., No 20, 1958, 91654
- Author : Isakova, A.A., Aniskina, Z.N., Makulova, Ye.V.
- Inst : Kostromskiy Agricultural Institute
- Title : Some Biological Characteristics of Wild Rice Species  
Cultivated in Kostromskaya Oblast.
- Orig Pub : Tr. Kostromsk. s.-kh. in-ta, 1957, vyp. 1, 71-88
- Abstract : Some arguments are presented in favor of the fastest possible introduction into cultivation of wild rice (*Zizania aquatica* and *Z. latifolia*). Some biological characteristics of this crop in regard to metabolism were studied. A critical period appeared in the development of the rice (from seeds germination to the transition to normal air and root nourishment) which is characterized by retarded growth and the intensified rejection of organic

Card 1/2



MAKULOVA, N.D.; MANILOVA, L.K.

Manganese poisoning in automatic welding with a fusing agent. *Gig. sanit.*, Moskva no.3:38-40 Mar 1951. (CLML 20:7)

VELIKSON, I.M., MAKULOVA, I.D. (Leningrad)

Materials on clinical aspects of the chronic effect of ionizing radiation. Vrach.delo no.3:257-261 Mr'58 (MIRA 11:5)

1. Klinicheskiy otdel (rukovoditel' - prof. M.A. Kovnatskiy) nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy.  
(GAMMA RAYS---PHYSIOLOGICAL EFFECT)

GRINBERG, A.V., GRATSIANSKAYA, L.N., VOL'FOVSKAYA, R.N., MAKULOVA, I.D.,  
ROZENTSVIT, G.F., EL'KIN, M.A., LIKHAREVA, K.I.

"Occupational diseases; a manual for physicians," edited by A.A.  
Letavet. Reviewed by A.V. Grinberg and others. Gig.truda i  
prof. zav. 2 no.4:58-61 JI-Ag '58 (MIRA 11:9)  
(OCCUPATIONAL DISEASES)  
(LETAVET, A.A.)

VODYANAYA, T.A.; MAKULOV, N.A.; ESSEN, A.I.

Spectrum analysis of NIVO-3, NIKA, SKA-1, AMgK, No. 149,  
AMg6-1 alloys by metal specimens. Trudy Giprotsvetmetobrabotka  
no.24:355-358 '65. (MIRA 18:11)

MAKULOV, N.A.; ORLOVA, S.A.; KLIMOVA, T.P.

Analytic possibilities of the ten-channel MFS-2 photoelectric spectrometer. Trudy Giprotsvetmetobrabotka no.24:347-354 '65. (MIRA 18:11)

MAKULOV, N.A., kand.fiz.-matem.nauk

Second Siberian Conference on the exchange of experience in the  
use of spectrum analysis. Vest. AN SSSR 34 no. 1:102-103 Ja '64.  
(MIRA 17:5)

MAKULOV, N.A., kand.fiziko-matematicheskikh nauk (Moskva)

Editor's mail. Fiz. v shkole 21 no.2:100 Kr-ap '61. (MIRA 10:8)  
(Gases--Spectra)

MAKULOV, N.A.  
Processes occurring on metal electrodes of an alternating current  
arc are a source of light for spectra analyses. Trudy  
Giprotsetmetobrabotka no. 20:376-375 '61.  
(Spectrum analysis) (Electric arc)  
(MIRA 15:2)



Distillation of alloys during spectrum analysis. Trudy  
diprotsemetobrobtka no. 20: 316-345, 1961.  
(MIRA 15:2) (Spectrum analysis) (Vapor-liquid equilibrium)

MAKULOV, N.A.

Determination by spectrum analysis of impurities in tungsten pre-  
parations. Trudy Kom. anal. khim. 12:226-235, 60. (MIRA 13:8)  
(Tungsten-analysis) (Spectrum-analysis)

PLIMONOV, L.N.; MAKULOV, N.A.; ZAKHAROVA, Z.A.

MAKULOV, N. A.

PLANE I BOOK EXHIBITION 50V/445

Abstrakty nauk SSSR. Kemiya po spetsializatsiony katali

Metody opredeleniya primestiy v chistykh metallakh (Methods of Determining Admixture in Pure Metals) Moscow, 1960. 511 p. (Series: Izv. Vuzov, 12) 7,500 copies printed.

Rep. Eds.: A. P. Vinogradov, Academician, and D. I. Zhuravskiy, Doctor of Chemical Sciences; Ed. of Publishing House: K. P. Polyakov; Tech. Ed.: T. V. Polyakova; engineers.

CONTENTS: The articles describe methods for detecting and determining various admixtures and their traces in pure metals. Also discussed are many chemical, spectrochemical, and physical methods for determining admixtures. Some of the methods have been developed within the last five or six years by various Soviet scientific institutes, and are now widely used in research and factory laboratories of the Soviet Union. No personalities are mentioned. References, mostly Soviet, accompany each article.

Edmond, Sh. G., and S. M. Solodovnik. Analysis of Metals for Determining Admixtures 172

Evans, A. S., A. O. Karabash, Sh. I. Popyayev, V. M. Lipsonov, and V. S. Golova. The Spectrochemical Method of Determining Admixtures in Metallic Elements and Its Compounds 175

Shaykhan, S. I., and Ye. E. Solitsynskaya. Determination of Small Quantities of Lead in Metallic Elements 187

Rizayeva, S. I., and E. A. Zhuravskaya. Determination of Admixtures of Cadmium, Silver, and Gold in Mercury Blends with the Aid of Dilutions 191

Rizayeva, S. I., and Ch. Ye. Kopyl. Determination of Admixtures of Antimony, Iron, Niobium, and Tellurium in Mercury 206

Popobayev, D. A., and V. E. Petrova. Determination of Small Quantities of Iron, Barium, and Vanadium in Metallic Elements 217

Novikova-Romanova, S. P. Determination of Vanium in Mercury 221

Malygin, D. P., and N. F. Blinnov (deceased). Polarographic Determination of Copper Admixtures in Metallic Elements 228

Pillayoor, L. J., N. A. Makulov, and Z. A. Zakharenko. Spectroanalytic Determination of Admixtures in Mercury Compounds 227

Ryzhenko, E. Ye, Yu. I. Solov'yev, and N. V. Anisimova. Methods of Spectral Determination of Lead, Cadmium, Mercury, Antimony, Lead, and Tin in Mercury and in Polyphosphorus 236

Karabash, A. O., Z. A. Shaykhan, S. I. Solov'yevskaya, and Sh. I. Popyayev. Determination of Admixtures in Mercury and Its Compounds 239

Dopel'shteyn, D. I., Ye. F. Gokhaleva, and L. V. Ryzhenko. Method of Direct Determination of Lead, Cadmium, Mercury, Antimony, and Tin in Polyphosphorus with the Aid of Oscillographic Polarography 265

Klyushin, Yu. A., Ye. M. Chaykovskiy, and L. A. Kuznetsov. Determination of Oxygen and Nitrogen in Polyphosphorus with the Aid of the Vanadium-Furion Method 281

MARKULOV, N. A., and Fyfe-Kath Sci (diss) -- "Some laws of the connection be-  
tween the composition of the sample and the composition of the irradiating  
cloud of light sources for spectral analysts". Leningrad, 1960. 16 pp  
(State Order of Lenin Optical Inst im S. I. Vavilov), 200 copies (KL, No 15,  
1960, 131)

Investigating the relationship between the composition of a  
sample and the composition of the emitting cloud during spectrum  
analysis. Fiz. sbor. no. 4:276-285 '58" (MIRA 12:5)  
I. Gosudarstvennyy nauchno-issledovatel'skiy institut obrabotki  
tseftnykh metallo "Giprotseftmetobrabotka."  
(Spectrum analysis)

MAKULOV, N.A.

ФИЗИКО-МАТЕМАТИЧЕСКИЙ ИНСТИТУТ  
ИМЕНИ П.Л. КАПЦЕВА, М.А.: ЗАКАРОВА, З.А.  
Определение примесей в чистых тулганских препаратах.  
Физ. сб. № 4: 40-42, 1958. (МИИМ 12:5)  
1. Государственный научно-исследовательский институт  
«Химия» (гипотеза металоидов (тулганских спектров)).

Card 2/2

AVAILABLE: Library of Congress  
The Industrial Control Gammeter for the Analysis of Production in the Steel  
Casting Industry

32-7-44/49

Card 1/2

For the determination of the chemical composition of the products of English Steel Casting Plants a quantumeter made by the firm of Art is used. It can be used for the control and investigation of carboniferous and low-alloyed steels. The samples to analyzed are made in form of disks having a diameter of 45 mm and a height of 16 mm. As a counter-electrode a graphite rod with cone-shaped end is used. Annealing takes 5 seconds, the time of exposure is 20 seconds. These quantumeters are widely in use in the English metallurgical industry. There are 2 tables.

ABSTRACT:

Zavodskaya laboratoriya, 1957, Vol. 23, Nr 7, pp. 880 - 881 (USSR)

PERIODICAL:

The Industrial Control Quantumeter for the Analysis of Production in the Steel Casting Industry (Proizvodstvennyy kontrol'nyy kvantometer dlya analiza produktov stali i chuguna zavodov)

TITLE:

Makulov, N.A., Kagan, N.M.

AUTHORS:

32-7-44/1191

*Handwritten notes or signatures*



10(4)

TABLE I BOOK REFERENCE OF/179

Techniques of Spectroscopy: Spectroscopy of the Elements. Wiley-Interscience, New York, 1977.

10. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

11. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

12. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

13. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

14. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

15. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

16. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

17. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

18. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

19. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

20. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

21. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

22. Ritzman, I.B. [Spectroscopy of the Elements]. Wiley-Interscience, New York, 1977. 128 p. 1,000 copies printed.

Maklov, N.A.

MARKULOV, N. A.

USSR/Chemistry - Spectral analysis

Card 1/1 Pub. 43 - 64/97

Authors : Markulov, N. A.

Title : Spectral analysis of aluminum bronze and brass by means of the Sweintitskiy arc generator

Periodical : Izv. AN SSSR, Ser. 11a, 18/2, 282-283, Mar-Apr 1954

Abstract : The conditions at which the author carried out a spectral analysis of aluminum bronze and brass with the aid of the Sweintitskiy arc generator are briefly described. The results obtained from these experiments are listed.

Institution : .....

Submitted : .....

Card 5/5

OTHER: 007

DATE ACQ: 06Apr64

SUB CODE: EE, FP

SUBMITTED: 30Oct63

NR REF SOV: 045

Ch. XXXXII. Designation, operating principles, circuits, and classification of systems of control and regulation with electronic computers for centralized control and regulation of engineering processes -- 786

Ch. XXXXIII. Circuits and design of basic functional blocks of machines for centralized control and regulation -- 796

Ch. XXXXIII. Control-Information and control-Information computers -- 847

AM1037196

AM1037196

Ch. XXVIII. Instruments for measuring temperature based on thermal expansion -- 487

Ch. XXIX. Electrical resistance thermometers -- 502

Ch. XXX. Thermocouples -- 525

Ch. XXXI. Radiation pyrometers -- 540

Ch. XXXII. Auxiliary equipment -- 549

Section V Secondary instruments

Ch. XXXIII. Magnetoelectric measurers of current ratio (Yu. I. Shendler, V. A. Nikitin) -- 555

Ch. XXXIV. Pyrometric millivoltmeters (Yu. I. Shendler) -- 566

Ch. XXXV. Automatic electronic leveling bridges (Yu. I. Shendler) -- 575

Ch. XXXVI. Automatic electronic potentiometers (Yu. I. Shendler) -- 638

Ch. XXXVII. Inductive telemetric system (L. N. Sergeyev) -- 697

Ch. XXXVIII. Differential-transformer system of transmission (G. G. Mirzabekov and L. N. Sergeyev) -- 708

Ch. XXXIX. Ferrodynamic system of transmission (G. G. Mirzabekov) -- 711

Ch. XXXX. General elements of secondary electronic instruments (L. I. Brusteyn) -- 752

Ch. XXXXI. Pneumatic system of transmission (G. G. Mirzabekov) -- 773

Section VI Systems of control and regulation with high-speed electronic machines (G. Z. Makulov)

for centralized automatic control and regulation of engineering processes (G. Z. Makulov)

Card 4/5

AM1037196

- Ch. XVI. Special instances of measuring flow by the method of a variable drop in pressure (L. G. Baysh) -- 211
- Ch. XVII. Design of contracting devices for measuring consumption by the method of a variable drop in pressure (L. G. Baysh) -- 260
- Ch. XVIII. Instruments for measuring flow by the method of variable drop in pressure (L. G. Baysh) -- 287
- Ch. XIX. Auxiliary equipment for measuring flow by the method of a variable drop in pressure (L. G. Baysh) -- 299
- Ch. XX. Handbook materials necessary to calculate the normal contracting devices by the method of a variable drop in pressure (L. G. Baysh) -- 326
- Ch. XXI. Flowmeters with a constant drop (A. N. Pavlovskiy) -- 315
- Ch. XXII. Liquid and gas gages (A. N. Pavlovskiy) -- 355
- Section III Instruments for measuring the level of a liquid (S. V. Nesmelov)
  - Ch. XXIII. Floating level measurers -- 388
  - Ch. XXIV. Hydrostatic level measurers -- 439
  - Ch. XXV. Electronic volumetric level measurers -- 451
  - Ch. XXVI. Radioactive indicators of level -- 459
  - Ch. XXVII. Various level measurers -- 472
- Section IV Instruments for measuring and regulating temperature (V. N. Voskresenskiy and V. A. Nikitin)
  - Card 3/5

AM1037296

- Ch. I. Introductory remarks -- 21
- Ch. II. Instruments for measuring atmospheric pressure -- 24
- Ch. III. Differential tube manometers -- 30
- Ch. IV. Floating differential tube manometers of the DP type which show and record with an electrical contact device -- 42
- Ch. V. Ring differential manometers -- 64
- Ch. VI. Bell differential manometers -- 80
- Ch. VII. Membrane differential manometers -- 87
- Ch. VIII. Draft gages, pressure gages and membrane draft-pressure gages -- 132
- Ch. IX. Manometers, manovacuumeters, and vacuumeters with a tube spring -- 149
- Ch. X. Manometers
- Ch. XI. Electrical manometers -- 201
- Ch. XII. Auxiliary equipment -- 207
- Section II Instruments for measuring flow and amount of liquids, gases and vapor
- Ch. XIII. Classification of instruments. Units of measure (A. N. Pavlovskiy) -- 211
- Ch. XIV. Measuring the flow of liquids and gases from the flow rate (L. G. Baysh) -- 220
- Ch. XV. Measuring flow by the method of a variable drop in pressure (L. G. Baysh) -- 225

cord 2/5

Card 1/5

Foreword -- 18  
Section I Instruments for measuring pressure and rarefaction (G. G. Mirzabekov)

TABLE OF CONTENTS [abridged]:

TOPIC TAGS: pressure measurement, manometer, differential manometer, level measurement, temperature measurement, thermocouple, thermal expansion, electrical resistance thermometer, current ratio measurement, electronic computer

Devices for control of pressure, outlay and quantity of material, level, temperature. Secondary devices and multiple control machinery. V2 (Pribory\* kontrolya davnosti, raskhoda i kolichestva veshchestva, ukovnya, temperatura\*. Vtorichnyye pribory\* i mashiny\* mozheshvennogo kontrolya. kn. 2), Moscow, "Nedra", 1964, 870 p. illus., biblio., index. Errata slip inserted. 5,300 copies printed.

Baysh, L. G.; Brusel'yn, L. I.; Voskresenskij, V. N.; Makulov, G. Z.;  
Mirzabekov, G. G.; Nesmelov, S. V.; Nemirovskij, A. B.; Pavlovskij, A. N.;  
Shendler, Yu. I.

AM1037196

BOOK EXPLOITATION

8/

г. Карадера нормал'ной физиологии Медитсинаского института, Одесса.

Electric activity of the cerebral cortex in the isolated hemi-  
sphere. Fiziol. zhur. 49 no. 2:149-157 F 1967 (MIRA 17:3)

СЕРКОВ, Р.Н.; МАКУЛ'КИН, Р.Р.; РУСЬКЕВ, В.В.



SERKOV, F.N.; MAKUL'KIN, R.F.

Cerebral electrical activity following hemispherectomy. Zhur.  
vys. nerv. deiat. 13 no.5:891-903 S-0'63 (MIRA 16:11)

1, Chair of Normal Physiology, Pirogov Medical Institute,  
Odessa.

SERKOV, F.N. [Sierkov, P.M.]; MAKUL'KIN, R.F.

Significance of the diencephalon in the formation of cortical  
electrical activity. Fiziol. zhur. [Ukr.] 9 no.6:716-721  
N-D '63. (MIRA 17:8)

1. Kafedra normal'noy fiziologii Odesskogo meditsinskogo insti-  
tuta im. N.I. Pirogova.

SERKOV, F.N.; MAKUL'KIN, R.F.; RUSSEV, V.V.

Effect of section of the brain stem and thalamic radiation on the electrical activity of the brain. Fiziol. zhur. 46 no. 4:408-417  
Ap '60. (MIRA 13:10)

1. From the Normal Physiology Chair of the Medical Institute, Odessa.  
(BRAIN)

MAKUL'KIN, R. F. ; RUSEYEV, V. V.; SERKOV, F. N. (Odessa)

Elektricheskaya aktivnost' retikulyarnoy formatsii

report submitted for the First Moscow Conference on Reticular Formation,  
Moscow, 22-26 March 1960.

MAKUL'KIN, R. F. (Moskua)

K voprosu o mekhanizme voskhod-yaschikh tonicheskikh vliyaniy  
retikulyarnoy formatsii

report submitted for the First Moscow Conference on Reticular Formation,  
Moscow, 22-26 March 1960.

RUSSEV, V.V.; MAKUL'KIN, R.F.

Modified method for the preparation of "isolated brain" (cerveau isolé). Fiziol.zhur. 45 no.9:1148-1149 S '59. (MIRA 13:1)

1. Kafedra normal'noy fiziologii Meditsinskogo instituta im. N.I. Pirogova, Odessa.  
(BRAIN physiol.)

MAKULIN, I.S.; ZVORYKINA, L.N., red.; TARKHOVA, K.Ye., tekhn. red.

[Safety manual for stonecutters] Pamiatka po tekhnike bez-  
opasnosti dlia rezchika kamnia. Moskva, Gosstroizdat,  
1963. 37 p. (MIRA 16:9)

(Stone cutting—Safety measures)

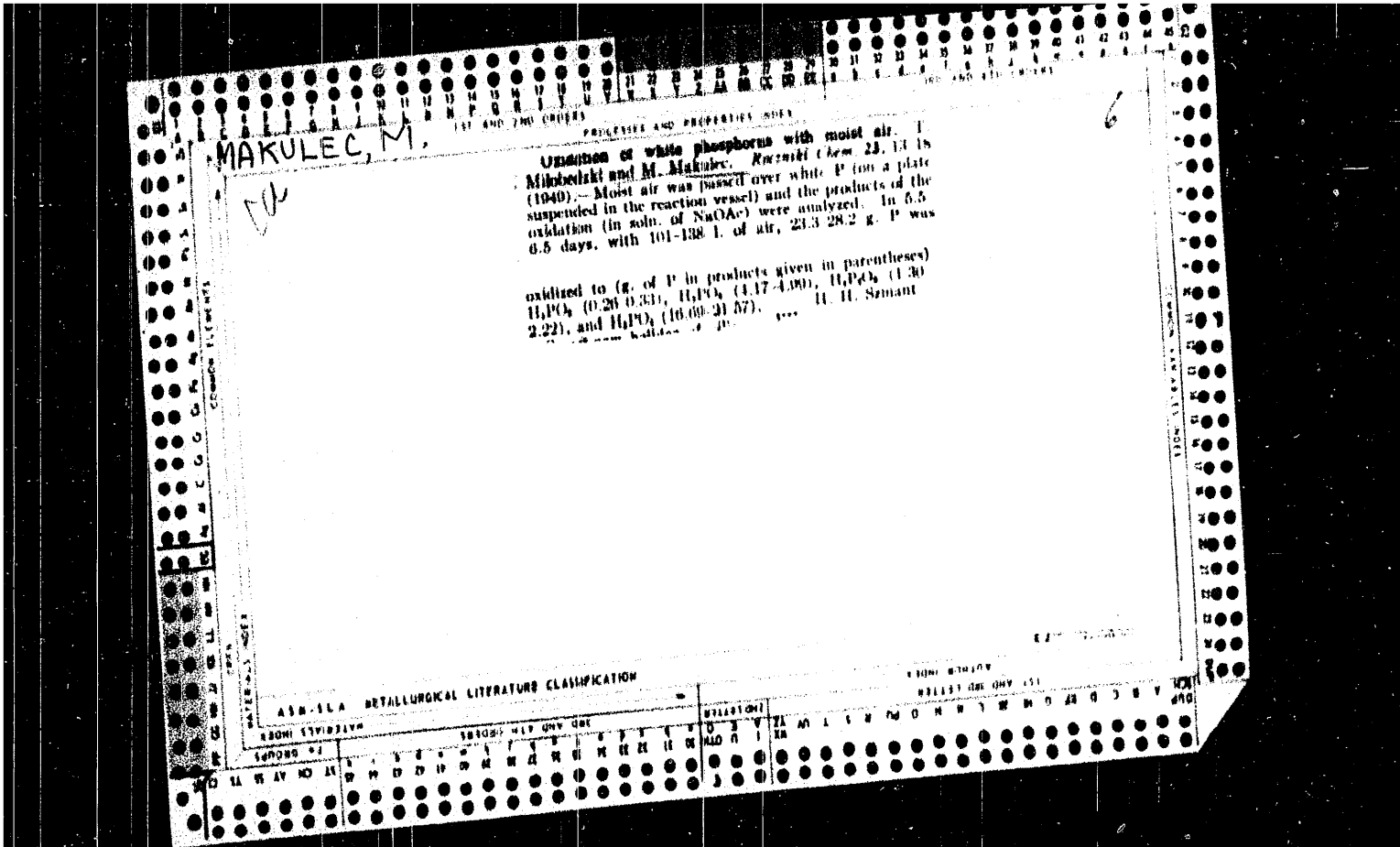
MAKULIN, I.S.; TABUNINA, M.A., red. izd-va; SHEVCHENKO, T.N.,  
tekhn. red.

[Handbook on accident prevention for the timberer in under-  
ground stone quarrying] Pamiatka po tekhnike bezopasnosti dlia  
krepil'shchika pri podzemnoi dobyche kamnia. Moskva, Gos-  
stroizdat, 1962. 18 p. (MIRA 16:4)  
(Mine timbering--Safety regulations)



MAKULIN, A.I.

Laboratory of production organization and economics at the Kalinin  
Railroad-Car Plant. Mashinostroitel' no.2:35-36 F '65.  
(MIRA 18:3)



MAKULBEKOV, N.M.

Genus *Ulmus* from Miocene sediments of northern Khibizistan. Mat. po  
ist. fauny i flory Kazakh. 4:234-238 '63. (MIRA 16:9)  
(Kochkorka Valley--Elm, Fossil)