

SZENASY, Jozsef; PARAICZ, Ervin

Cerebral abscess in childhood. Gyermekgyógyászat 11 no.10:298-304  
0 '60.

1. Országos Idegsebészeti Tudományos Intézet gyermekosztályának  
közleménye.

(BRAIN ABSCESS in inf & child)

SZENASY, Jozsef, dr.; PARAIGZ, Ervin, dr.

Röntgenodiagnosis of tumors of the brain stem. Magy radiol. 12  
no.4:237-240 N°60.

1. Országos Idegsebészeti Tudományos Intézet Gyermekosztálya.  
(BRAIN STEM neopl)

PARAFIELD, JOHN  
SURNAME, Given Names

3

Country: Hungary

Academic Degrees: MD

Affiliation: Pediatric Department (Gyermekosztaly) of the National Neurosurgical Scientific Institute (Orszagos Idegsebészeti Tudományos Intezet). Institute director: Dr Laszlo ZOLTAN.

Source: Budapest, Gyermekgyógyászat, Vol XII, No 7, Jul 61, pp 202-205

Data: "The Pneumography of Subdural Hematoma in Infancy."

Co-author:

SZENASY, Jozsef, MD. Pediatric Department of the National Neurosurgical Scientific Institute

GPO 981643

PARAICZ, Ervin; DEAK, Gyorgy, dr.

Experience with pneumoencephalography under pressure. I. Methodological aspect. Ideggyogy. szemle 14 no.7:205-210 J1 '61.

1. Orszagos Idegsebesseti Tudomanyos Intezet (igazgato: Zoltan Laszlo dr.) kozlemeny.

(VENTRICULOGRAPHY)

PARAICZ, Ervin, dr.; DEAK, Gyorgy, dr.

Experience with pneumoencephalography under pressure. II. Clinical aspects. Ideggyogy. szemle 14 no.7:211-220 J1 '61.

1. Orszagos Idegsebészeti Tudományos Intezet (Igazgato: Zoltan Laszlo dr.) közleménye.

(VENTRICULOGRAPHY)

SZENASY, Jozsef, dr.; PARAI CZ, Ervin, dr.

Data on the clinical aspects of cyanotic congenital heart defect complicated by brain abscess. Orv. hetil. 102 no.51:2416-2421 17 D '61.

1. Orszagos Idegszabeszeti Tudomanyos Intezet.

(BRAIN ABSCESS in inf & child)  
(HEART DEFECTS CONGENITAL complications)

PASZTOR, Emil, dr.; PARAICZ, Ervin, dr.; SZENASY, Jozsef, dr.

Tumors of the spinal cord in children. Ideggyogy. szemle 14 no.4:  
97-106 Ap '61.

1. Az Országos Idegsebészeti Tudományos Intézet (Igazgató: Dr. Zoltan  
László) közleménye.

(SPINAL CORD neopl)

*Parail, V.A.*

AID P - 2836

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 25/30

Author : Parail, V. A., Kand. of Tech. Sci., Dotsent

Title : Scientific and technical conference in the Odessa Polytechnical Institute (Current events)

Periodical : Elektrichestvo, 6, 83-84, Je 1955

Abstract : The author reports on the results of the meetings of the Section of Electrical Engineering of the conference. He enumerates the reports and summarises the resolutions adopted.

Institution : None

Submitted : No date



PARAIL, V.A

3-58-3-8/32

**AUTHOR:** Parail, V.A., Dotsent, Candidate of Technical Sciences, Dean

**TITLE:** On the Duties of a Dean (Ob obyazannostyakh dekana) It is Time to Define a Dean's Functions (Pora utochnit' funktsii dekana)

**PERIODICAL:** Vestnik Vyshey Shkoly, 1958, Nr 3, pp 33 - 35 (USSR)

**ABSTRACT:** The author sets forth his views on the duties of a faculty dean and his assistants, and on the difficulties encountered by the dean in coping with his work. Reference is made to the article of Professor A.A. Glazunov and T.Kh. Margulov in Nr 9 of 1957, this periodical, indicating that the most important dean's work is his instructional activity, but he should also pay attention to the chairs scientific-research work.

**ASSOCIATION:** Elektrotekhnicheskiy fakultet Odesskogo politekhnicheskogo instituta (Department of Electrical Engineering of the Odessa Polytechnic Institute)

**AVAILABLE:** Library of Congress

Card 1/1

PARAIL, Vladimir Alekseyevich

Docent; Dept Head; Odessa Polytechnical Institute, Odessa Oblast,  
Ukrainian SSR

Medal for Labor Excellence, 15 Sep 61

(VVS SSSR, No 39, 27 Sep 61)

PARAIL, V.A.

Electric drive without a differential transmission system for  
self-propelled machines. Izv. vys. ucheb. zav.; elektromekh. 4  
no.2:151-158 '61. (MIRA 14:9)

(Machinery--Electric driving)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; GERASIMYAK,  
Rostislav Pavlovich, aspirant

Some requirements of the electric drives of the hoisting mechanisms of cranes. Izv. vys. ucheb. zav.; elektromekh. 7 no.8:  
953-957 '64. (MIRA 17:10)

1. Kafedra elektroprivoda i avtomatizatsii promyshlennykh ustanovok Odesskogo politekhnicheskogo instituta.

MEYSTEL', A.M.; PARAIL, V.A.; PODZOLOV, R.G.; RASHKOVICH, M.P.

Precise stopping of machine-tool drives with asynchronous mcts .  
Stan. i instr. 35 no. 4:10-13 Ap '64. (MIRA 1':5)

PARALL, V.A., kani. tekhn. dok

An a.c. drive system for the lifting mechanism of diesel-electric cranes. Stroitel. i obr. mash. 7 no. 2012-13 P. 64. (MIRA 18:7)

L 12932-65 EWT(1)/EPA(s)-2  
ACCESSION NR: AP5006814

S/0144/65/000/001/0048/0054

11/103

AUTHOR: Parail, V. A. (Candidate of technical sciences, Docent, Pro-rector);  
Podzolov, R. G. (Senior research associate); Zverevich, V. Ye. (Aspirant)

TITLE: Obtaining a crawling speed in a squirrel-cage induction motor partly  
supplied by d-c

SOURCE: IVUZ. Elektromekhanika, no. 1, 1965, 48-54

TOPIC TAGS: induction motor, squirrel cage motor, crawling speed / AO-42-6  
induction motor

ABSTRACT: A theoretical and experimental investigation of an AO-42-6 squirrel-cage induction motor operating at crawling speeds is reported. A special circuit devised by M. P. Rashkovich and A. M. Meystel' ("Automated Electrical Drive," no. 1, TsITEIN, 1961) was used (see Enclosure 1) to produce a combined motor-and-dynamic-braking operation. This type of circuit ensures stable motor operation at a crawling speed between the slip  $s = 1$  and the dynamic-braking critical slip. No appreciable mechanical vibration occurs. Physical processes in

Card 1/42

L 112932-65  
ACCESSION NR: AP5006814

the motor are explained: torques produced by the d-c component, first, second, and third harmonics are analyzed. Hints for calculating the motor parameters, currents, torques, and temperature rise are given. It is found that: (1) The above circuit permits motor operation at 1/10, 1/20, or even lower speeds with a load torque between nominal and no-load; (2) The circuit permits great simplification in the drive system (abandoning complicated d-c drives); (3) Compared to other known circuits based on the same d-c a-c superposition principle, this circuit involves some design complications and higher losses; hence, it should be used where other circuits are inapplicable, e.g., in places not permitting vibration. Orig. art. has: 6 figures and 4 formulas.

ASSOCIATION: Odesskiy politekhnicheskii institut (Odessa Polytechnic Institute)

SUBMITTED: 07Feb64

ENCL: 01

SUB CODE: EE

NO REF SOV: 006

OTHER: 000

Card 2/3



PARAIL, V.A., kand.tekhn.nauk, dotsent; GERASIMYAK, R.P., inzh.

Determining the minimum static moment of the lifting  
mechanisms of a crane. Vest.mashinostr. 45 no.8:23-25  
Ag '65. (MIRA 18:12)

PARAIL, Vladimir Alekseyevich, kand. tekhn. nauk, dotsent; PODZOLOV, Richard Georgiyevich, starshiy nauchnyy sotrudnik; ZVEREVICH, Vitaliy Yevgen'yevich, aspirant

Creepate of an asynchronous short-circuited motor caused by additional rectified current feed. Izv. vys. ucheb. zav.; elektromekh. 8 no.1:48-54 '65.

(MIRA 18:3)

1. Prorektor Odesskogo politekhnicheskogo instituta (for Parail).
2. Odesskiy politekhnicheskii institut.

PARAIPAN, C.; GRIGORESCU, D.; BABACA, P.

Ocular manifestations in endemic thyropathic dystrophy. Stud.  
cercet. endocr. 13 no.4:567-577 '62.

(GOITER) (EYE MANIFESTATIONS) (HYPOTHYROIDISM)  
(HYPERTHYROIDISM)

PARAJSKIJ, N.

PA 4761

USSR/Seismology

1945

Gravimetric stations

"Gravitational Acceleration in the Principal Transcaucasian Gravimetric Station at Tbilisi,"  
N. Parajskij, 2 pp

"CR Acad Sci" Vol XLIX, No 1

Gravimetric observations at Tbilisi and the other principal stations established by the Seismological Institute of the Academy of Sciences, USSR, in 1933-34 confirmed the claim that gravity at Tbilisi remained virtually the same over a period of 30 years, and has led to establishing Tbilisi as a new gravimetric station.

4761

PARAK, T.

Peculiarly shaped pebbles in the northern foreland of the Matra Mountains,  
p. 225, FOLDTANI KOZLOG, BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY,  
(Magyar Foltani Tarsulat) Budapest, Vol. 85, No. 2, Apr./June, 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1956

~~PARAK, Vojtech, inz.~~

Experience with making sausages from fresh meat without addition of cured meat in the national enterprise Prazsky prumysl masny. Prum potravin 13 no.3:126-127 Mr '62.

1. Prazsky prumysl masny, n.p., Praha.

~~PARAKETSOV, I.A.~~

Protective significance of spines and thorns for fishes [with  
summary in English]. Zhur.ob.biol. 19 no.6:449-456 H-D '58  
(MIRA 11:12)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova  
AN SSSR.

(FISHES--ANATOMY)

PARAKETSOV, I.A.

Protective significance of spines and stingers for fishes.  
Trudy sov. Ikht. kom. no.13:360 '61. (MIRA 14:8)

1. Laboratoriya ikhtiologii Instituta morfologii zhivotnykh  
AN SSSR.

(Fishes—Anatomy)



MOISEYEV, P.A.; PARAKETSOV, I.A.

Some data on the ecology of sea scorpions (fam. Scorpaenidae) in the Northern Pacific. Vop. ikht. 1 no. 1:39-45 '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii i Institut morfologii zhivotnykh Akademii nauk SSSR.

(Pacific Ocean—Scorpion fishes)

PARAKETSOV, I.A.; SHUBNIKOV, D.A.

Hybrid of the two flatfish species *Platessa quadrituberculata* (Pall.) and *Pleuronectes stellatus* (Pall.) from Bristol Bay.  
Vop. ikht. 1 no.3:395-398 '61. (MIRA 14:11)

1. Laboratoriya ikhtiologii Instituta morfologii zhivotnykh AN SSSR i kafedra ikhtiologii Biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta.  
(Bristol Bay—Flatfishes)

PARAKETSOV, I.A.

Some protective adaptations in various populations and species  
of Pacific bullheads (Cottidae). Trudy Inst. morf. zhiv. no. 22:  
146-154 '62. (MIRA 17:10)

PARAKETSOV, I.A.

Biology of *Sebastodes alutus* of the Bering Sea. Trudy VNIRO 48:305-312 '63. (MIRA 17:2)

1. Institut morfologii zhivotnykh AN SSSR.

BELYY, V.F.; YEFIMOVA, A.F.; PARAKETSOV, K.V.

Lower Cretaceous of the northeastern part of the Okhotsk-Chukchi  
volcanic belt. Sov.geol. 8 no.10:97-109 0 '65.

(MIRA 18:12)

1. Severo-vostochnoye geologicheskoye upravleniye.

PAPAKHIN, A.V., elektromonter (Voronezh)

Stand for checking relays. Energetik 13 no.11:25-26 N '65.  
(MIRA 18:11)

SOV/68-79-7-28/33

AUTHORS: Talalayev, G.K. and Parakhin, G.P.

TITLE: Experience of Incorporating Two Coking Works into a Single Unit

PERIODICAL: Koks i khimiya, 1959, Nr 7, pp 69 - 70 (USSR)

ABSTRACT: The effect on the labour productivity and output of the incorporation of Novo-Makeyevka and Staro-Makeyevka Coking Works into a single administrative and operational unit (in 1955) is discussed. Yearly increase in the labour productivity is shown in Table 1 and that of output in Table 2.  
There is 1 figure and 2 tables.

ASSOCIATION: Makeyevskiy koksokhimicheskiy zavod (Makeyevka Coking Works)

Card 1/1

ANIKIN, V. I. & MIRKIN, G. A.

Singing of chaffinch females. Ornitologia no. 7:456 '65.

(MIRA 18:10)



TALALAYEV, G.K.; PARAKHIN, G.P.

Practice of the merging of by-product coking plants. Koks i khim.  
no.7:69-70 '59. (MIRA 12:10)

1. Makeyevskiy koksokhimicheskiy zavod.  
(Coke industry)

PARAKHIN, P.A., inzh.

The school for advanced work methods is an effective form of  
teknological propaganda. Opyt rab. po tekhn. inform. i prop.  
no.4:24-26 '63. (MIRA 17:1)

1. Tsentral'noye byuro tekhnicheskoy informatsii Kuzbasskogo  
soveta narodnogo khozyaystva.

PARAKHIN, T., inzh.-tekhnolog (g.Sverdlovsk); RESSEL', L., inzh. (g.Leningrad, nab.Kutuzova, d.12, kv.10); BOL'SHAKOV, A. (g.Leningrad); BESKURNIKOV, A.; KHANANOV, A., inzh.

Advertising board. Izobr.i ra. no.6:56-57 Je '60. (MIRA 24:2)

1. Zamestitel' predsedatelya Moskovskogo obshchestva kinolyubiteley (for Beskurnikov). 2. 207 uchastek, avtobaza No.10, g. Sochi (for Khananov).

(Technological innovations)

PARAKHIN, V.A., kand. tekhn. nauk; PROLOV, V.V., dots., kand. tekhn. nauk; SHORSHOROV, M.Kh., dots., kand. tekhn. nauk; GOSPODAREVSKIY, V.I., inzh.; SUBBOTIN, Yu.V., inzh.; KURKIN, S.A., dots., kand. tekhn. nauk; VINOKUROV, V.A., dots., kand. tekhn. nauk; KAGANOV, N.L., dots., kand. tekhn. nauk; SHASHIN, D.M., kand. tekhn. nauk; AKULOV, A.I., dots., kand. tekhn. nauk; NAZAROV, S.T., dots., kand. tekhn. nauk; YEVSEYEV, G.B., dots., kand. tekhn. nauk; NIKOLAYEV, G.A., prof., doktor tekhn. nauk, red.; TITOVA, V.A., red.; FUFAYEVA, G.I., red.; CHIZHEVSKIY, E.M., tekhn. red.

[Laboratory work on welding] Laboratornye raboty po svarke. Moskva, Rosvuzisdat, 1963. 274 p. (MIRA 16:8)

1. Nauchno-pedagogicheskiy kollektiv Kafedry svarochnogo proizvodstva Moskovskogo vysshego tekhnicheskogo uchilishcha (for all except Nikolayev, Titova, Fufayeva, Chizhevskiy).
2. Zaveduyushchiy kafedroy "Mashiny i avtomatizatsiya svarochnykh protsessov" Moskovskogo vysshego tekhnicheskogo uchilishcha (for Nikolayev).  
(Welding—Study and teaching)

KURKIN, S.A., kand.tekhn.nauk; VINGUKUROV, V.A., kand.tekhn.nauk;  
PARAKHIN, V.A., inzh.

Strengthening weld joints by press working the seam with  
rolls. Svar.proizv. no.8:15-16 Ag '60. (MIRA 13:7)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche in.Banmans.  
(Sheet metal--Welding) (Metals--Cold working)

KURKIN, S.A., kand. tekhn. nauk; LUK'YANOV, V.F., inzh.; PARAKHIN, V.A., kand.  
tekhn. nauk; GIBANOV, Yu.N., inzh.

Unit for the testing of experimental models of welded thin-walled  
vessels under double axial tension. Sver. proizvod. no. 5:9-11 My '65.  
(MIRA 18:6)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana.

82651

S/135/60/000/008/005/010  
A006/A002

18.7200

AUTHORS: Kurkin, S.A., Candidate of Technical Sciences, Vinokarov, Candidate of Technical Sciences, Parakhin, V.A., Engineer

TITLE: Strengthening of Weld Joints<sup>6</sup> by Rolling the Seam With Rollers

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 8, pp. 15-16

TEXT: At the welding laboratory of MVTU imeni Bauman a method was developed to raise the mechanical properties of butt welds in cold hardened aluminum-alloys. The welds are strengthened by subjecting the seam to pressure rolling with steel rollers. Although merely the seam is rolled, the strengthening effect is extended to a considerable portion of the zone adjacent to the seam which underwent a tempering process during welding. The authors discuss the mechanism of strengthening the weld joints by rolling and present experimental data, illustrating the strengthening process. During rolling, the metal is shifted to the sides. Measurements show that the displacement of the rolled metal is not an accidental factor, but represents a regularity revealing the mechanism of strengthening in the zone adjacent to the seam. The rolling of the metal is accompanied by a considerable plastic expansion of the metal in the plane and may be described as an elongation

Card 1/2

02031

S/135/60/000/008/005/010  
A006/A002

Strengthening of Weld Joints by Rolling the Seam With Rollers

process of the rolled zone. An equation is given expressing the shifting of metal in the zone adjacent to the seam. It is used to plot a theoretical curve which is in a satisfactory agreement with experimental data. The width of the zone of shifting and the magnitude of shifting increase with a higher pressure of rolling. They are accompanied by a proportional increase in the metal hardness in the zone of tempering and by a metal expansion in the zone of strengthening. Tests proved that the strength of the weld increased proportionally to the hardness of the zone adjacent to the weld. A direct dependence was established between the shifting of metal and the strength of the weld joint. Thus the strengthening of the weld may be checked by measuring the shift with a portable optical instrument. The degree of strengthening may also be checked by the thickening of the metal in the zone adjacent to the seam which indicates the magnitude of the plastic deformation. Further development of the method will permit the application of the described technological process for the strengthening of welds in aging alloys. There are 7 figures. X

ASSOCIATION: MVTU imeni Baumana (MVTU imeni Bauman)

Card 2/2



L 52709-65 EWT(d)/EWT(m)/EWP(w)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)  
EWF(l)/EWA(h)/EWA(c) Pf-4/PeB JD/WW/EM/EM/EM

ACCESSION NR: AP5012641

UR/0135/65/000/005/0009/0011  
620.1.051:672.3

43  
42  
B

AUTHOR: Kurkin, S. A. (Candidate of technical sciences); Luk'yanov, V. F. (Engineer); Gubanov, Yu. N. (Engineer); Parakhin, V. A. (Candidate of technical sciences)

TITLE: Unit for testing models of welded thin-wall vessels under conditions of biaxial tension

SOURCE: Svarochnoye proizvodstvo, no. 5, 1965, 9-11

TOPIC TAGS: cylindrical shell, thin wall shell, design strength, burst strength, burst test, welded shell, welded container, shell testing, biaxial tension test

ABSTRACT: The design and operation are described of a unit for testing the design strength of welded thin-wall shells, end closures, and containers working under internal pressure. The unit makes it possible to test 1) flat specimens by hydrostatic bulging, 2) cylindrical shells without end closures by internal pressure while preserving the axial component of the stresses, 3) cylindrical shells with one or both end closures, and 4) welded subassemblies with welded connecting piping with static, repeated static, or prolonged loading. The

Card 1/2

L 52709-65

ACCESSION NR: AP50,2641

changeover from one type test to another is made by changing individual components of the unit. The clamping of specimens before testing is effected by the hydraulic system which is actuated by the same pump that provides the test pressure. The clamping force increases automatically with increasing pressure. Pressures and the curvature of the bulge of a flat specimen and of the outside perimeter of the shell or container tested are recorded automatically. Author Certificate No. 169849 has been issued for the unit. Orig. art. has: 8 figures. [MS]

ASSOCIATION: MVTU im. Baumana

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, A5

NO REF SOV: 002

OTHER: 001

ATD PRESS: 4012

DR  
Card 2/2

L 07804-67 EWP(m)/EWP(v)/EWP(t)/ETI/EWP(k) LJP(c) JD/HW/GD  
ACC NR: AT6030937 SOURCE CODE: UR/0000/66/000/000/0072/0084

AUTHOR: Kurkin, S. A. (Doctor of technical sciences); Parakhin, V. A. (Candidate of technical sciences)

ORG: none

32  
31  
2+1

TITLE: Equipment for planishing welded joints

SOURCE: Moscow. Vyssheye tekhnicheskoye uchilishche. Prochnost' svarnykh konstruktsey (Strength of welded structures). Moscow, Izd-vo Mashinostroyeniye, 1966, 72-84

TOPIC TAGS: weld planishing, ~~weld planishing~~ <sup>welding</sup> equipment, weld evaluation

ABSTRACT: Weld planishing is done for three main purposes: to eliminate or at least to reduce the deformation caused by welding; to smooth the weld and thus to improve its shape and surface quality; and to improve the mechanical properties of the welded joint. Research conducted at the Moscow Higher Technical School im. Bauman (MVTU) resulted in the development of several methods of weld planishing and several types of planishing equipment which have found a steadily growing field of application in industry, especially in branches involved in the manufacture of welded light-wall containers. Planishing must be done in specialized equipment whose design features are determined by the shape and size of the article, the weld location (longitudinal or circumferential), and the purpose of planishing. There are, however, several basic requirements which are applied to all types of planishers: 1. The drive design

Card 1/3

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ACC NR: AT6030937

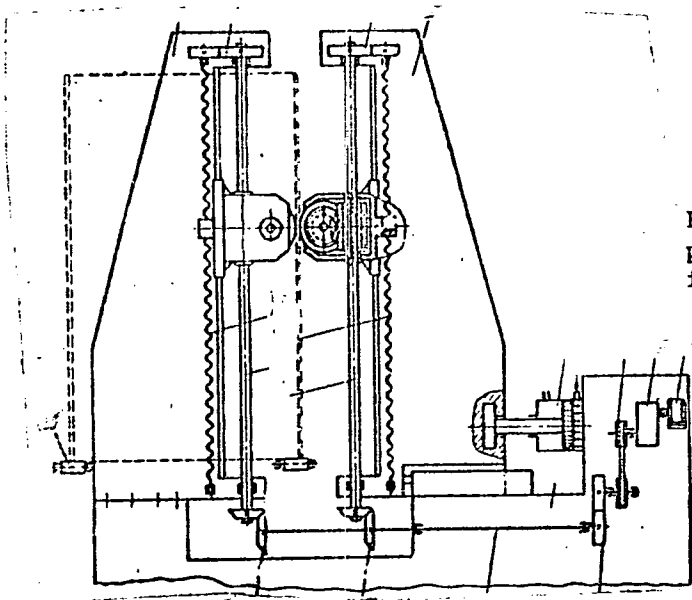


Fig. 1. Schematic layout of a planisher for longitudinal welds in large-diameter shells.

Card 2/3

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ACC NR: AT6030937

must ensure a smooth continuous motion of the planished weld without roll sliding. 2. The planisher and, especially, the pressure adjustment must be sufficiently rigid to maintain the necessary pressure on the roll during planishing. 3. Planishers are built with a maximum roll pressure of 4 to 20 tons, depending on the purpose of planishing and type and thickness of shell material. 4. Planishing rolls must have a smooth surface with a hardness of 60RC. 5. The linear speed of the planished article should not exceed 1-1.5 m/min. Planishing can be done between two rolls, or between a roll and a plate or a mandrel. Rolls can be driven or idle. Since 1956, MVTU has developed several experimental and production-type planishers beginning with the 5-ton MVTU-MPRI<sup>v</sup> experimental planisher for relatively small diameter shells and ending with a vertical type unit for planishing longitudinal welds in large diameter shells (see Fig. 1). Orig. art. has: 11 figures and 1 table.

SUB CODE: 13/ SUBM DATE: 11Mar66/ ORIG REF: 001/ OTH REF: 003/  
ATD PRESS: 5101

Card 3/3 mc

L 12050-65 EMT(d)/EPA(s)-2/EMP(m)/EWA(d)/EMP(v)/T/EMP(t)/EMP(k)/EMP(h)/

EMP(b)/EMP(l)/EWA(c) PI-4 JD/IM/NN

ACCESSION NR: AP5010940

UR/0286/65/000/007/0122/0122

AUTHORS: Kurcin, S. A.; Luk'yanov, V. F.; Vinckurov, V. A.; Gubanov, Yu. N.; Parachin, V. N.

TITLE: Apparatus for testing thin sheet metal and welded joints. Class 42, No. 169849

37 B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 122

TOPIC TAGS: sheet metal, welding evaluation, test method, hydraulic pressure, internal stress

ABSTRACT: This Author Certificate presents an apparatus for testing thin sheet metal and welded joints acted upon by biaxial tension. The apparatus uses the

plate by the action of a grooved joint.

Card 1/2

L 42050-65

ACCESSION NR: AP5010940

ASSOCIATION: none

SUBMITTED: 08Jan64

NO REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: IE

SIMSKIY, Aleksandr Mikhaylovich; CHERVONNYY, M.G., red.; TSYGANOVA,  
L.B., red.izd-va; PARAKHINA, N.L., tekhn. red.

[Protection of forests against fires] Okhrana lesov ot pozharov.  
Moskva, Goslesbumizdat, 1961. 49 p. (MIRA 15:7)  
(Forest fires—Prevention and control)



PARAKHONSKAYA, V.S. [Parakhons'ka, V.S.]

Tectonic regionalization of northern Sakhalin. Dop. AN URSS no.4:  
498-501. '65. (MIRA 18:5)

1. Institut geologii AN UkrSSR.

PARAKHONSKIY

PARAKHONSKIY, kand. ekonom. nauk.

Develop passenger service for short distances. Grazhd. av. 14 no.8:  
26-27 Ag '47. (MIRA 10:9)

(Aeronautics, Commercial)

ПАРАКХОНСКИЙ, Б.

PARAKHONSKIY, B., kandidat ekonomicheskikh nauk.

~~\_\_\_\_\_~~  
Is air transportation in capitalist countries profitable? Grashd.  
av. 14 no.4:37 Ap '57. (MLRA 10:6)

(Aeronautics, Commercial)

PARAKHONSKIY, B.

84-8-17/36

**AUTHOR:** Parakhonskiy, B., Candidate of Economic Sciences

**TITLE:** Boost Short-distance Passenger Traffic (Razvivat' passazhirskiye perevozki na korotkikh marshrutakh)

**PERIODICAL:** Grazhdanskaya Aviatsiya, 1957, Nr 8, pp. 26-27 (USSR)

**ABSTRACT:** The author demonstrates the possibilities of boosting passenger traffic by attracting more customers to local air routes. The underlying facts are that 20 per cent of railroad long distance passengers travel the distance of 200 to 600 kilometers, whereas the average travel on airlines is 1600 km. Airline short distance travel was hampered by a considerable difference in fares. The new tariff system eliminates this obstacle to a large extent. A comparative table shows that on 200 km trips the air travel fare exceeds by 20 per cent the rail tariff, whereas on a 2000 km trip the difference is 90 per cent. However, because the air routes are mostly shorter than the paralleling railroads, the actual difference in travel cost is very small on many routes. On six selected routes, the cost of an airline ticket is from 86.5 to 115.8 per

Card 1/2

SHUKSPAL', Ye.V., kand.ekon.nauk; ZOTIKOVA, V.I., kand.ekon.nauk;  
VERKHOVSKIY, I.A., kand.ekon.nauk; ~~PARAKHONSKIY, B.M., kand.~~  
ekon.nauk; SHUL'GA, A.M., assistant; KHACHATUROV, T.S., otv.  
red.; SHERKMAN, B.I., red.isd-va; NOVICHKOVA, N.D., tekhn.red.

[Transportation costs in the national economy of the U.S.S.R.]  
Transportnye izdershki v narodnom khoziaistve SSSR. Moskva,  
Izd-vo Akad.nauk SSSR, 1959. 127 p. (MIRA 12:11)

1. Chlen-korrespondent AN SSSR; direktor Instituta kompleksnykh  
transportnykh problem Akademii Nauk SSSR (for Khachaturov).  
(Transportation--Cost of operation)

PARAKHONSKIY, B.M., kand. ekon. nauk, otv. red.; KIBAL'CHICH,  
O.A.; KRAVETS, F.P.; KAZAKEVICH, L.Ya., red.; SHEVCHENKO,  
G.N., tekhn. red.

[Problems of the economics and long-range planning of pas-  
senger transportation] Voprosy ekonomiki i perspektivnogo  
planirovaniia passazhirsikh perevozok. Moskva, Izd-vo  
AN SSSR, 1963. 182 p. (MIRA 16:7)  
(Transportation)

PARAKHONSKIY, B. M.

Tekhniko-Ekonoimichskiye problemy vozdušnogo transports. Moskva,  
Izd-vo Akademi Nauk SSSR, 1961.

103 p. diagrs., map, tables. (Problemy Razvitiya Yedinoy Transportnoy  
Seti SSSR)

At Head of title: Akademiya Nauk SSSR. Institut Kompleksnykh  
Transportnykh Problem

1. Aeronautics, Commerical

~~RETR~~

POVOROZHENKO, Vladimir Vasil'yevich, prof., doktor tekhn.nauk;  
KOSTENKO, Ivan Georgiyevich, kand.tekhn.nauk; MAKHOTIN,  
Nikolay Aleksandrovich, inzh.; KUMYANTSEV, Sergey Mikhay-  
lovich, inzh.; PARAKHONSKIY, Boris Mikhaylovich, kand.ekon.  
nauk; SOLOV'YEV, Ivan Fomich, kand.tekhn.nauk; BAKAYEV,  
V.G., doktor tekhn.nauk, red.; CHERNOMORDIK, G.I., doktor  
tekhn.nauk, nauchnyy red.; IRKHIN, A.P., kand.tekhn.nauk,  
nauchnyy red.; KUDRYAVTSEV, A.S., doktor ekon.nauk, nauchnyy  
red.; GLADTSINOV, B.N., kand.tekhn.nauk, nauchnyy red.;  
EYGL', I.Yu., red.; LAVRENOVA, N.B., tekhn.red.

[Transportation in the U.S.S.R.] Transport SSSR. Pod  
obshchei red. V.G.Bakaeva. Moskva, Izd-vo "Morskoi transport,"  
1960. 536 p. (MIRA 13:7)

(Transportation)



SYRMAY, A.G., nauchnyy sotr.; OBERMEYSTER, A.M., nauchnyy sotr.;  
IRONFMAN, A.I., nauchnyy sotr.; SHIMKO, K.N., kand. tekhn.  
nauk; PARAKHONSKIY, B.M., kand. ekon. nauk. Prinsipali uche-  
stiy: ZHURILOV, V.I., nauchnyy sotr.; ZUBKOV, M.I., nauchnyy  
sotr.; SHVARTS, G.L., nauchnyy sotr.; MIKHEYEV, A.P., doktor  
tekhn. nauk, prof., otv. red.; BYKOV, I.K., red. izd-va;  
DOROKHINA, I., tekhn. red.

[Water and air transportation in capitalist countries: trends in  
the development of equipment] Vodnyi i vozdushnyi transport kapita-  
listicheskikh stran; tendentsii razvitiia tekhnicheskikh sredstv.  
Moskva, Izd-vo Akad.nauk SSSR, 1961. 350 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh pro-  
blem.

(Merchant marine)

(Aeronautics, Commercial)

PARAKHONSKIY, B.M.; PETROV, V.I., kand. tekhn.nauk, otv. red.;  
DOBZHITS, M.L., red. izd-va; GUS'KOVA, O.M., tekhn. red.

[Technical and economic problems in air transportation]  
Tekhniko-ekonomicheskie problemy vozdušnogo transporta.  
Moskva, Izd-vo Akad.nauk SSSR, 1961. 103 p. (MIRA 15:2)  
(Aeronautics, Commercial)

L 14340-65 EWT(m)/EPF(c)/EPR/T Pr-4/Ps-4 SSD/AFW DJ  
ACCESSION NR: AR4045219 S/0277/64/000/007/0058/0058

SOURCE: Ref. zh. Mashinost. mat., konstr. i raschet detal. mash.  
Otd. vyp., Abs. 7.48.396

AUTHOR: Paraklionskiy, O. I. //2 B

TITLE: Influence of lubricating layer thickness on the durability of rotating bearings

CITED SOURCE: Tr. <sup>17</sup> Kuybyshevsk. aviats. in-t., vyp. 15, ch. 2, 1963, 345-351

TOPIC TAGS: lubrication, lubricating layer, bearings, load distribution, durability, contact zone, contact stress

TRANSLATION: The effect of a lubricating layer in the contact zone between two moving surfaces was considered in respect to load distribution between rotating bodies and in respect to increase in efficiency of a bearing. On the basis of an existing experimental relation between the magnitude of given contact stresses and the number of loads supported by the bearing, the durability of the

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L 14340-65  
ACCESSION NR: AR4045219

of the bearing was determined taking the lubricating layer into account and the durability of the same bearing was determined without taking the effect of the lubricant into account.

SUB CODE: MM, FP ENCL: 00

Card 2/2

L 23370-65 EWT(1)/EWT(m)/EFF(c)/EPR/Y Pr-4/Ps-4 JD/DJ  
ACCESSION NR: AR5000743 S/0277/64/000/009/0044/0044

SOURCE: Ref. zh. Mashinostroitel'nyye materialy\*, konstruktssi i raschet detaley mashin. Gidroprivod. Otd. vyp., Abs. 9.48.279

AUTHOR: Parakhonskiy, O. N.; Tsiprin, A. M.

TITLE: Effect of size of rotating bodies on the service life of roller bearings.

CITED SOURCE: Tr. Kybyshhevsk. aviats. in-t. vyp. 17, 1963, 3-14

TOPIC TAGS: roller contact bearing, roller bearing, bearing, service life, contact stress, lubricating layer

TRANSLATION: The theoretical principles, method, and experimental results of a study to determine the relation between length of service life of roller bearings and rotating bodies.

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ACCESSION NR: AF5000743

with standard dimensions of the bearing (this was done by decreasing the size of the race). Results of comparative tests of standard and non-standard bearings showed that the increase in service life of bearings as a result of a decrease in contact stresses, without taking into account the effect of the lubricant, was relatively small; increase in service life of a bearing is explained chiefly by the contact hydrodynamic effect of the lubricating layer. the effect of

SUB CODE: MM

ENCL: 00

Card 2/2

L 21069-65 EPT(b)/EPT(c)/EPT/T Pr-1/PB-1 DJ

ACCESSION NH: AR4047542

S/0277/64/000/008/0056/0056

SOURCE: Ref. zh. Mashinostr. mat., konstr. i raschet detal. mash. Otd. vy\*p.,  
Abs. 8.48.384

AUTHOR: Parakhonskiy, O.N.

TITLE: Determination of the oil film thickness in antifriction bearings

CITED SOURCE: Tr. Kuyby\*shevsk. aviats. in-t, vy\*p. 17, 1963, 15-26

TOPIC TAGS: bearing, bearing lubrication, oil film thickness, bearing stress, antifriction bearing

TRANSLATION: The author calls attention to the need for determining the actual stresses in the contact zone of an antifriction bearing. Known methods for estimating the magnitude of these stresses are briefly reviewed. A

problem resolves itself to the experimental determination of the oil film thickness

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L 21069-65

ACCESSION NR: AR4047542

bodies and, after the required computations, the determination of the oil film thickness in the given bearing. The author derives a calculation formula for the determination of this thickness, with this expression incorporating values obtained on the basis of experimental information.

SUB CODE: IE, FP

ENCL: 00



SOV/124-58-5-5437

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 70 (USSR)

AUTHOR: Parakhonskiy, O.N.

TITLE: The Behavior of Nonmetallic Bearings in Conditions of Complete Lubrication (Rabota nemetallicheskih podshipnikov v usloviyakh zhidkostnogo treniya)

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1957, Nr 3, pp 89-96

ABSTRACT: It is shown experimentally that if specified operational conditions are adhered to high-quality nonmetallic bearings can perform well in conditions of complete lubrication, which reduces wear and prolongs their life.

Ya.M. Kotlyar

1. Bearings--Performance
2. Bearings--Lubrication
3. Bearings--Test results

Card 1/1

<sup>Y</sup>  
PARAKHONSKIĬ, V. M.

Ekonomicheskoe trassirovanie vozdushnykh linii. [Economic lay-out for air routes]. (Grazhdanskaia aviatsiia, 1938, no. 8, p. 23-29).  
DLC: TL504.G7

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

PARAKHONSKIY, V.M., kand. ekon. nauk, otv. red.; KIBAL'CHICH, O.A.;  
KRAVETS, F.P.; KAZAKEVICH, L.Ya., red.; SHEVCHENKO, G.N.,  
tekhn. red.

[Problems in the economics and long-range planning of pas-  
senger transportation] Voprosy ekonomiki i perspektivnogo  
planirovaniia passazhireskikh perevozok - Moskva, Izd-vo  
Akad. nauk SSSR, 1963. 182 p. (MIRA 16:6)  
(Transportation)

**PARAKHONYAK, V.I.**

Gastric plasmocytoma, *Khirurgiya* 34 no.5:123-124 My '58 (MIRA 11:7)

1. Iz khirurgicheskogo otdeleniya gor'kovskoy oblastnoy bol'nitsy imeni Semashko (glavnyy vrach - zaslyzhennyy vrach Respubliki K.I. Kuznetsov) i kafedry obshchey khirurgii gor'kovskogo meditsinskogo instituta (zav. - prof. A.A. Osherel'yev).

(STOMACH NEOPLASMS, case reports  
plasma cell myeloma (Rus))

(MYELOMA, PLASMA CELL, case reports  
stomach (Rus))

PARAKHONYAK, V.I.

Use of the right half of the large intestine for replacement of  
its left half in extensive resections. Eksp. khir. i anat. 9  
no.6:36-38 N-D '64. (MIRA 18:7)

1. Klinika obshchey khirurgii (zav. - prof. A.I.Kozhevnikov)  
Gor'kovskogo meditsinskogo instituta.

PARAKHONYAK, V.I., Cand Med Sci—(diss' "Data on the management of the pre-operative, operative and post-operative periods in patients undergoing transpleural operations." Gor'kiy, 1958. 14 pp (Gor'kiy State Med Inst in S.M. Kirov), 200 copies {IL,26-58,117)

PARAKHONYAK, Y.I.

Two cases of pneumatosis cystoides intestinalis. Khirurgia  
35 no.2:109-110 F '59. (MIRA 12:5)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.I.Kozhevnikov)  
Gor'kovskogo meditsinskogo instituta i Gor'kovskoy oblastnoy  
bol'nitsy imeni N.A.Semashko (glavnyy vrach K.I.Kuznetsov).

(INTESTINES, cysts,

pneumatosis cystoides (Rus))

PARAKHONYAK, V. I., kand. med. nauk

Some side effects of antibiotics in surgical practice. *Khirurgia*  
38 no.5:9-12 My '62. (MIRA 15:6)

1. Is kafedry obshchey khirurgii (sav. - prof. A. I. Koshevnikov)  
Gor'kovskogo meditsinskogo instituta imeni S. M. Kirova.

(SURGERY) (ANTIBIOTICS—TOXICOLOGY)



PARAKHONYAK, V. I.

Functional changes in respiration following transpleural operations.  
Sov.med. 22 no.1:38-41 Ja '58. (MIRA 11:4)

1. Iz khirurgicheskogo otdeleniya Gor'kovskoy oblastnoy bol'nitsy imeni N.A.Semashko (glavnyy vrach K.I.Kuznetsov) i kafedry obshchey khirurgii (zav. - prof. A.A.Ozherel'yev) Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova.

(THORAX, surg.

funct. changes in resp. after transpleural surg. (Rus))

PARAKHONYAK, V.I.

Comparative evaluation of various types of experimental ileocoloplasty. Eksper. khir. i anest. 9 no.2:52-53 Mr-Ap '64. (MIRA 17:11)

1. Klinika obshchey khirurgii (zav. - prof. A.I. Kozhevnikov) Gor'kovskogo meditsinskogo instituta.

LUR'YE, R.G., kand. med. nauk, assistant; AYZEN, G.S., kand. med. nauk,  
assistant; PARAKHONYAK, Z.I., ordinator

Heart during a pathological climacteric in women. Sbor. trud.  
GMI no.15:145-169 '63. (MIRA 17:5)

1. Kafedra gospital'noy terapii Gor'kovskogo meditsinskogo  
instituta imeni Kirova (for Lur'ye, Ayzen).

PSCHENICHNYY, I.P.; SHTEYGARDT, Yu.N.; MESHCHERYAKOV, A.V.; VASIL'YEV, V.N.;  
SOKOLOVA, E.F.; BROVKOVICH, E.D.; RUBANOVSKIY, B.R.; LUR'YE, R.G.;  
PARAKHONYUK, Z.M.; GOROKHOVSKIY, B.I.; ZHDANOV, V.S.; GOREJNOVA, Z.V.  
GLIKIN, M.I.; TAVAR'YAN, E.A.; SUKHODOLYA, Ye.I.

Abstracts. Kardiologiya 4 no.4:87-90 J1-4g ' 64. (MIRA 19:1)

PARAKIN, V. K.

PA 6TT73

USSR/Medicine - Veterinary Medicine  
Medicine - Pneumonia

Vol 1948

(ACS)

"Tests on the Therapy of Diseases in Pigs and Calves  
With Antitubercular Cytotoxic Serum (ATsB)," V. K.  
Parakin, Sci Collaborator, Rostov, NIVOS, 31 pp

"Veterin" No 2 Vol 25, p. 16

Stimulating dosages of ATsB were effective thera-  
peutic agents in bronchial pneumonia, paratyphus,  
and enzootic bronchial pneumonia. In stipulated  
dosages ATsB did not produce any ill aftereffects  
nor complications. Author states that therapy with  
the aid of ATsB should find widespread use in animal  
husbandry and veterinary practice.

6TT73

188T92

PARAKIN, V. K.

USSR/Medicine (Vet) - Novocain Block Aug 51

"Experience in the Application of Novocain Block for the Treatment of Pneumonia of Horses," V. K. Parakin, Vet Phys, Rostov Sci Res Vet Exptl Sta

"Veterinariya" Vol XXVIII, No 8, pp 55, 56

Describes various types of application of novocain block. Cites own results obtained by comparing novocain block in the waist (renal) region with block of the inferior cervical sympathetic ganglion. Finds on the basis of these results that 2d type of application is much more effective.

LC

188T92

PARAKIN, V. K.

MUZAFAROV, K. F., Cand. Vet. Sci.; PARAKIN, V. K., Cand. Vet. Sci.

"On summer diseases of lambs."

SO Veterinaria 29(7), 1952, p. 49

PARAKIN, V.K., kandidat veterinarnykh nauk.

Therapy and course of strangles in horses depending upon feeding and shelter.  
Veterinariia 30 no.10:41-44 0 '53. (MIRA 6:9)

1. Rostovskaya NIVOS. (Strangles)



VASIN, A.V.; KOCHETOVSKIY, B.A.; PARAKIN, V.K.; STANKOVICHUS, A.;  
MOGILEVTSEV, A.I.; KADENATSIY, A.N.

Through the Soviet Union. Veterinariia 35 no.9:92-95 S '58.  
(Veterinary medicine) (MIRA 11:9)

PARAKIN, V.K., kand. veterin. nauk

Abortions in sheep with foot-and-mouth disease. Veterinariia  
38 no.11:33-34, N '61 (MIRA 18:1)

1. Rostovskaya nauchno-issledovatel'skaya veterinarnaya  
stantsiya.

PARAKIN, V.K., kand.veterinarnykh nauk

Use of vitamin B<sub>12</sub> produced by a microbiological method. Veterinariia  
38 no.1:63-65 Ja '62. (MIRA 15:4)

1. Rostovskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.  
(Cyanocobalamine) (Veterinary materia medica and pharmacy)

PARAKIN, V.K. (Candidate of Veterinary Sciences, Rostov Scientific Research  
Veterinary Station [NIVS]).

"Feed terramycin in diseases of offspring..."  
Veterinariya, vol. 39, no. 3, March 1962 pp. 69

PARAKIN, V. K. (Candidate of Veterinary Sciences, Rostov NIVS [Veterinary Scientific Research Experimental Station.])

"Abortions of Sheep Infected by the Foot-and-Mouth Disease.  
Veterinariya vol. 38, no. 11., November 1961., p. 33

PARAKIN, V. K.

Candidate of Veterinary Sciences, Rostov NIVS.

"Application of Vitamin B<sub>12</sub> obtained by the microbiological method."

Veterinariya, Vol. 38, No. 1, p. 63, 1961.

KOCHETOVSKIY, D.A., kand.veterinarnykh nauk; PARAKIN, V.H., kand.veterinarnykh nauk

Rostov Veterinary Research Station. Trudy VIV 23:396-397 '59.

(MIRA 13:10)

(Rostov-on-Don—Veterinary research)





PÁRAL, E.

① met

Journal of the Iron and Steel Institute / Heat-Treatment of Large Parts. E. Páral. (*Hutník*  
Vol. 176 Part 3 (Prague), 1953, 3, (9), 199-202). [In Czech.] An account is  
Mar. 1954 given of the heat-treatments necessary in the manufacture of  
Heat-Treatment and Heat-Treatment Furnaces large crank-shafts and rolling-mill rolls.—p. r.

PARAL, E.

"Heat Treatment of Large Rolls." p. 199 (Hutnik, Vol.3, no. 9, Sept. 1953, Praha)

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

PARAL, E.

Effect of heat treatment on the quality of products. p. 202.  
(HUTNIK, vol. 5, no. 7, July 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.

PARAL, EMANUEL

3

1422: Effect of Heat Treatment on Quality of Forged Billets.  
Vliv teplotního zpracování na jakost výkovků. (Czech)  
Emanuel Paral. *Hutník*, v. 5, no. 7, July 1955, p. 202-204.  
Discussion of various types of heat treatment for regular and  
high-quality steels, including recommended procedures for  
normalizing, isothermal annealing, and stress-relieving.

MG

DT

PARAL, V.

Dispatching service in machine-tractor stations. p. 144.  
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 6, Apr. 1955.

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl

SPACU, P.; GHEORGHIU, Constanta; PARALESCU, I.

Determination of molybdenum in the presence of tungsten. Studii cerc chimie 10 no.2:157-162 '62.

1. Catedra de chimie anorganica, Facultatea de chimie, Universitatea din Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari de chimie" (for Spacu).

POPA, Gr.; PARALESCU, I.; BAIULESCU, Gh.

Spectrophotometric studies on the complex Pd(II) with chromotrope 2R.  
Studii cerc chim 9 no.1:85-92 '61. (EEAI 10:9)

1. Laboratorul de chimie analitica, Facultatea de chimie, Universi-  
tatea "C. I. Parhon", Bucuresti.

(Spectrophotometry) (Palladium) (Chromotrope 2R)

ARIFOV, Ubay Arifovich, doktor fiziko-matem. nauk, akademik.  
Prinimali uchastiye: PARALIS, E.S.; GURVICH, L.G., st.  
nauchnyy sotr.; STARODUBTSEV, S.V., akademik, otv. red.;  
MIL'MAN, Z.A., red.; PAVLOVA, M.I., red.; SHEPEL'KOV, A.T., tekhn.red.

[Interaction of atomic particles with a metal surface] Vzaimo-  
deistviu atomnykh chastits s poverkhnost'iu metalla. Tashkent,  
Izd-vo Akad. nauk Uzbekskoi SSR, 1961. 323 p. (MIRA 15:3)

1. Akademiya nauk Uzbekskoy SSR (for Arifov, Starodubtsev).
2. Zaveduyushchiy teoreticheskim sektorom otdela elektroniki In-  
stitutu yadernoy fiziki (for Paralys). Oteel elektroniki In-  
stitutu yadernoy fiziki (for Gurvich).  
(Collisions (Nuclear physics))  
(Metals, Effect of radiation on)



PH 11181 07/19 I

C Z E C H

11181\* Chromatographic Semi-Microanalysis of Gases. Khrontograficheskii polumikroanaliz gazov. VIII. Analysis of Dissolved Gases. Analiz rastvorenykh gazov. IX. The Determination of Nitrous Oxide. Die Bestimmung von Stickoxydul. X. Determination of Small Quantities and Traces of Helium, Together With Neon, and of Hydrogen in Gases. Die Bestimmung kleiner Mengen bis Spuren von Helium mit Neon und von Wasserstoff in Gasen. (Russian and German.) J. Janák, I. Páralová, M. Rojek, and M. Tezglik. *Collection of Czechoslovak Chemical Communications*, v. 20, no. 2, Apr. 1955, p. 338-355. Includes diagrams, tables, graphs. 41 ref.

AD 3/11

NEDOROST, Miroslav; PARALOVA, Iva

Determination of microquanta of sulphates and hydrogen sulphide  
in petroleum waters. Chem prum 14 no.8:428-430 kg '64.

1. Institute of Naptha Research, Brno.
2. Present place of employment: Moravske chemicke zavody National Enterprise, Prerov (for Nedorost).
3. Present place of employment: Svit National Enterprise, Gottwaldov (for Paralova).

PARALOVA, IVA

1/2

Chemical Abst.  
Vol. 48  
Apr. 10, 1954  
Analytical Chemistry

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Chromatographic semimicroanalysis of gases. IV. Analysis of gaseous paraffins. Jaroslav Janák (Ústav pro nátorý výzkum, Brno, Czech.). *Chem. Listy* 47, 1184-9 (1953); *J. C.A.* 48, 2197c. Silica gel was found a suitable adsorbent for the chromatographic analysis of gaseous paraffin mixts. It is unsuitable for the sepd. of permanent gases (H, N, O, CH<sub>4</sub>) which can be detd. on activated C. *R<sub>f</sub>* values for gases on silica gel at 20° (with CO<sub>2</sub> as eluent) are listed: H 0.771, O 0.509, N 0.509, CH<sub>4</sub> 0.351, C<sub>2</sub>H<sub>6</sub> 0.090, C<sub>3</sub>H<sub>8</sub> 0.0257, iso-C<sub>4</sub>H<sub>10</sub> 0.0070, n-C<sub>4</sub>H<sub>10</sub> 0.0064, C<sub>5</sub>H<sub>12</sub> (corn.) 0.0023, iso-C<sub>5</sub>H<sub>12</sub> on activated C at 85° 0.0124. A universal app. for the analysis of gas mixts. is described having a silica gel column for the analysis of the unknown mixt. and of paraffins, and a C column for detg. the permanent gases. V. Analysis of unsaturated C<sub>2</sub> and C<sub>3</sub> hydrocarbons. Jaroslav Janák and Miroslav Ruzek. *Ibid.* 1190-6. Chromatographic analysis was extended to mixts. of unsatd. hydrocarbons. *R<sub>f</sub>* values were measured on activated C at 20°: C<sub>2</sub>H<sub>2</sub> 0.0118, C<sub>2</sub>H<sub>4</sub> 0.0160; at 80°: C<sub>2</sub>H<sub>2</sub> 0.0956, C<sub>2</sub>H<sub>4</sub> 0.2325, CH<sub>2</sub>:CHMe 0.0135, CH<sub>2</sub>:CMe 0.0490; on silica gel: at 20°: C<sub>2</sub>H<sub>2</sub> 0.0443, C<sub>2</sub>H<sub>4</sub> 0.0161, CH<sub>2</sub>:CHMe 0.0056; at 80°: C<sub>2</sub>H<sub>2</sub> 0.428, C<sub>2</sub>H<sub>4</sub> 0.351, C<sub>2</sub>H<sub>2</sub>:CMe 0.2045, C<sub>2</sub>H<sub>2</sub>:CHMe 0.227, CH<sub>2</sub>:CHMe 0.123, CH<sub>2</sub>:CMe 0.110, iso-C<sub>4</sub>H<sub>8</sub> 0.0975, n-C<sub>4</sub>H<sub>8</sub> 0.0941. The order of elution on C (C<sub>2</sub>H<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>, C<sub>2</sub>H<sub>6</sub>) is reversed on silica gel. C<sub>2</sub>H<sub>2</sub> and C<sub>2</sub>H<sub>4</sub> having the same *R<sub>f</sub>* on SiO<sub>2</sub> can be sepd. on C. The mixt. of CH<sub>2</sub>:CHMe and n-C<sub>4</sub>H<sub>8</sub> cannot be successfully sepd. on either of the adsorbents. Heat applied by means of an adjustable furnace is used for increasing the desorption rate when advantageous. VI. Analysis of rare gases. Jaroslav Janák. *Ibid.* 1348-53. The detn. of He, Ne, A, Kr, and Xe is possible by the chro. atographic analysis on activated C. *R<sub>f</sub>* at 20° are as follows: He 0.643, Ne 0.643, A 0.3023, Kr 0.103, Xe 0.0172. H having the same *R<sub>f</sub>* as He and Ne, and O and N having the same value as A, must be removed chemically before the analysis. VII. Analysis of dissolved gases. Jaroslav Janák and Iva Paralová (Ústav pro nátorý výzkum, Brno, Czech.). *Ibid.* 1470-66. Dissolved gases are expelled from the solvent (water, oil) by passing a stream of CO<sub>2</sub> through a measured vol. of the liquid at an appropriate temp. The stream of gases is led into an azotometer where CO<sub>2</sub> is absorbed in KOH soln., and total vol. of gases measured. From

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the azotometer, the gases are passed through a normal chromatographic column as described previously. An app. for prep. gas samples by expell. : gases from solns., and a device for handling small amt. of gas, are given. Results of analysis of various mineral waters, naphtha water, scrubber water, and scrubber o. are given. M. Hudlický

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