

CHARUGIN, A.I.

GANICHKIN, A.M.; BABENKO, G.A.; CHARUGIN, A.I.; DOVGYALLO, N.D.; BUNIN, E.I.;
SMOLYAK, L.G.

In memory of Professor V.M.Bogoslavskii. Khirurgia no.10:94-95 0 '53.
(MIRA 6:11)
(Bogoslavskii, Vladimir Matveevich, 1888-1953)

CHARUGIN, A.I.

CHARUGIN, A.I., prof.

In the Stalino Surgical Society. Nov.khir.arkh. no.6:82 N-D '57.
(SURGERY--SOCIETIES) (MIRA 11:3)

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Feb 59

1315. APPLICATION OF A 'CLAMP-SPOON' TO GUARD AGAINST INOCULATION OF PAPILLARY TUMOURS OF THE BLADDER DURING THEIR REMOVAL (Russian text) - Charugin B. A. - UROL. 1957, 1 (63-65)

The 'clamp-spoon' to be used in electrocoagulation of papillary tumours of the bladder has the form of a dental root forceps, the end of which carries 2 spoons with contiguous edges. The instrument encloses the tumour, preventing contact between the bladder and debris from the crushed tumour. (S)

1. Is Fakul'tetskoy khirurgicheskoy kliniki (zaveduyushchiy-professor K.T. Ovnatanyan) na baze klinicheskoy bol'nitay imeni K.Ye. Voroshilova (glavnyy vrach N.I. Lyutaya)

CHARUGIN, V.

MW Cassiopeiae. Astron. tsir. no. 217:8 D '60.

(MIRA 14:3)

1. Otdel peremennykh svezd Moskovskogo otdeleniya Vsesoyuznogo
astronomo-geodezicheskogo obshchestva.
(Stars, Variable)

CHARUGIN, V.N.

Kinematics of torsional deformations in the twisting of steel
rope and some technological aspects. Nauch. zap. Od. politekh.
inst. 41:51-59 '62. (MIRA 17:4)

CHARUGIN, V.N.

Internal engineering force factors and problems of technological
improvement of steel-wire ropes with unidirectional twist.
Nauch. zap. Od. politekh. inst. 48:73-85 '62. (MIRA 17:5)

KOZYREVA, Zoya Mikhaylovna; NAGDASEVA, Inna Pavlovna; PISKAREV,
Ivan Vasil'yevich; CHARUKHIN, Ivan Gavrilovich;
YAMINSKAYA, Yelizaveta Yakovlevna; KUKIN, G.N., doktor
tekhn. nauk, prof., retsenzent; AGADZHANOVA, I.A., red.

[Industrial fabrics and their use] Tekhnicheskie tkani i
ikh primeneniye. Moskva, Legkaia industriia, 1965. 251 p.
(MIRA 18:9)

1.2310 1573

32776

S/135/62/000/001/007/007
A004/A101

AUTHOR: Charukhina, K.Ye., Engineer

TITLE: Scientific-technical conference on vacuum diffusion welding

PERIODICAL: Svarochnoye proizvodstvo, no. 1, 1962, 43

TEXT: On May 16-17, 1961, a scientific-technical conference was held in Moscow on the vacuum diffusion welding of metals, alloys and nonmetallic materials, prepared and convened by the Nauchno-issledovatel'skaya laboratoriya diffuzionnoy svarki v vakuume (Scientific Research Laboratory of Vacuum Diffusion Welding) (NIL DSV) at MTIMMP and the Moscow Oblast' Administration of NTO MASHPROM. More than 300 participants from 37 towns took part in the conference, where 24 reports were read. The author of this welding method, Professor N.F. Kazakov, read a report on the present state and development of research work in the field of vacuum diffusion welding, elucidating in detail the physical fundamentals, technological features and necessary equipment. A.P. Shishkova, Candidate of Technical Sciences (NIL DSV) and Engineer B.A. Meyler (Moscow "Prezer" Plant) read a report entitled "The welding of parts for shank-type tools of P 18 (R18) high-speed steel with grade 45 steel", pointing out that the plant saved 120,000 rubles annually

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S/135/62/000/001/007/007
A004/A101

Scientific-technical conference ...

only owing to the elimination of the burning loss of R18 grade steel and the absence of burrs in diffusion welding. At present, the CДBY-7 (SDVU-7) welding installation for the diffusion welding of end tools, designed by SKTBI and NIL DSV, is under construction at the "Prezer" Plant. The report of Engineers N.I. Shestakov, I.S. Zolotarev and A.S. Novgorodov (Moscow Combine of Sintered Carbides) dealt with the vacuum diffusion welding of heaters from molybdenum disilicide materials. Engineers V.N. Moiseyev (NIL DSV) and V.T. Krysin (Moscow) reported on investigations of the possibility of vacuum welding bimetallic parts (cast iron + steel + cast iron) of break shoes and friction disks of high-speed machines. Engineer A.S. Zobov ("Rosmetalloproyekt") reported on the testing of vacuum diffusion welding for self-sharpening plane irons. A number of reports dealt with the development of a technology of vacuum diffusion welding in the manufacture of electric vacuum devices (A.F. Khudyshev, I.V. Afanas'yev, Engineers, V.V. Gorbanskly, Candidate of Technical Sciences, Moscow), mercury devices (A.M. Serbina, Engineer, Ryazan'), spinning rings and bands (V.I. Lyubvin, Engineer, VNILTEKHMAsh), steel cams for spinning machines (V.P. Moiseyev, NIL DSV), dentist's drills from sintered carbides (I.I. Volkov, Engineer, NIIEKHA, Moscow), devices from titanium, copper, beryllium and phosphorous bronze (Parkhomov, Engineer, Novosibirsk), ceramet bits with tool holders, bits and drilling tools (G.A. Davydova,

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S/135/62/000/001/007/007
A004/A101

Scientific-technical conference ...

Engineer, NIL DSV and N.S. Zolotarev, Engineer, Moscow Combine of Sintered Carbides). Engineers S.Ye. Ushakova (Gor'kiy) and T.V. Sokolova (Kuybyshev) reported on diffusion welding in the mechanical engineering practice. Moreover, the following papers were read: "Joining ceramet alloys with each other and with steel" (Engineer V.N. Moiseyev, NIL DSV); "Joining of heat-resistant steels in the vacuum in the manufacture of turbine blades" (Engineers K.S. Krasnitzkiy and A.I. Sofronov, Nikolayev Shipbuilding Institute); "Vacuum diffusion welding of titanium" (Engineer K.Ye. Charukhina, NIL DSV); "Vacuum diffusion welding of titanium-alloy parts" (Engineer A.V. Malyutin, Moscow); "The welding of special magnets by the vacuum diffusion process" (Engineer V.A. Sokolov, Moscow, "Stankonormal" Plant). Engineer I.D. Alekseyev, NIL DSV, reported on the state and the course of development of vacuum diffusion welding equipment, while Engineer B.D. Povolotskiy discussed the characteristic features of designing vacuum systems.

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KAZAKOV, N.F. (Moskva); SHISHKOVA, A.P. (Moskva); CHARUKHINA, K.ĭe. (Moskva)

Joints in titanium made by diffusion bonding in vacuum. Avtom.
svar. 16 no.10:82-86 0 '63. (MIRA 16:12)

ACCESSION NR: AP4039768

S/0125/64/000/006/0092/0093

AUTHOR: Charukhina, K. Ya.

TITLE: Vacuum diffusion welding of SAP1 alloy

SOURCE: Avtomaticheskaya svarka, no. 6, 1964, 92-93

TOPIC TAGS: aluminum alloy, SAP alloy, diffusion welding, weld property, alloy diffusion welding, alloy welding, alloy weld property

ABSTRACT: The weldability of SAP alloys in diffusion welding was investigated. Hot compacted bars (20 mm in diameter and 30 mm long) containing 6.9% Al₂O₃ were diffusion welded by the SDVU-2 laboratory unit. It was found that at 560—580C, under 2 kg/mm² pressure maintained for 45—60 min, sound welds as strong as the base metal are obtained. Specimens usually failed in the base metal. Welding results, however, were not always satisfactory due to an oxide film on the alloy surface which does not diffuse in the base metal. Among the various chemical and mechanical methods applied to remove the thin film, the best results were obtained by facing the surfaces to be joined,

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ACCESSION NR: AP4039768

particularly on a lathe. Microscopic examination confirmed production of sound welds showing no lack of penetration and without any structural changes in the base metal. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 24Jun64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2

L 26054-65 EWT(d)/EWT(m)/EWP(v)/EWA(d)/EWF(t)/T/EWP(h)/EWP(k)/EWP(l)/
 EWP(b) Pf-4 LJP(o) MJW/JD/HM S/0125/63/000/010/0082/0086
 ACCESSION NR: AP3008442

38
 26
 8

AUTHOR: Kazakov, N. F. (Moscow); Shishkova, A. P. (Moscow); Charukhina, K. Ye. (Moscow)

TITLE: Vacuum diffusion welding of titanium

SOURCE: Avtomaticheskaya svarka, no. 10, 1963, 82-86

TOPIC TAGS: diffusion welding, vacuum welding, titanium, welding evaluation, welder/ SDVU-6L welder

ABSTRACT: Vacuum diffusion welding is the most promising method for welding titanium and its alloys if the shape and dimensions of the parts permit evacuation around the juncture point and if these same parameters allow transmission of axial force for creating a tight contact between the surfaces to be welded. VT5-1 alloy belongs to the class of single phase α -alloys of titanium and contains 3% Al, 2% Sn. Its mechanical properties: $\sigma_v=75-95$ kg/mm², $\delta=12-25\%$, $\alpha_n=4-9$ kg/cm², HB 240-300. The basic technological parameters for vacuum diffusion welding are: the degree of evacuation in the working chamber, the temperature in the welding zone, the necessity for tight contact between the surfaces being welded and the duration of the process. Experiments on titanium welding were carried out at temperatures

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ACCESSION NR: AP3008442

of 800, 850, 900, 1000 and 1100°C. In selecting the welding temperature range, consideration is given to the initial melting point of the base metal which lies in the region of the temperature of recrystallization. In view of the low yield point of titanium as well as the considerable effect of high welding temperatures on this metal, the pressure was chosen within a range from 0.25 to 1 kg/mm² depending on the area of the specimens being welded. The duration of the process was 10 seconds, 1, 5, 7 and 10 minutes. Since titanium is so active, the evacuation in the chamber was held at 10⁻³ mm Hg, the maximum possible for the SDVU-5L laboratory installation. Before welding, holes were drilled in the specimens for the thermocouple, then they were cleaned with a scraper and degreased in acetone. The welding quality was evaluated by making tensile and impact strength tests. The results of the mechanical tests in relationship to the basic welding parameters are presented in tabular form. Tests of samples welded at low temperatures (800 and 850°C), pressure 0.5-0.8 kg/mm² and holding 1-5 minutes, showed that it is impossible to achieve stable welding results under these conditions. Most of these samples broke at the point of welding. However the data indicate that a strong weld may be produced at these same temperatures by increasing the holding time to more than 5 minutes. The microstructure of the joints was also studied. Orig. art. has: 6 figures and 1 table.

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ACCESSION NR: AP3008442

ASSOCIATION: none

SUBMITTED: 07Mar62

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 000

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CHARUKHINA, K. Ye.

Diffusion welding in a vacuum, of the sintered aluminum powder
SAP-1 alloy. Avtom. svar. 17 no.6:92-93 Je '64 (MIRA 18:1)

CHARUKHINA, Kira Yevgen'yevna, inzh.; KAZAKOV, Nikolay Fedotovich,
doktor tekhn. nauk, prof.; POLISHCHUK, G.V., red.

[Diffusion bonding in a vacuum of diversified metals] Dif-
fuzionnaia svarka v vakuume raznorodnykh metallov. Lenin-
grad, 1964. 22 p. (MIRA 18:4)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

CHARUKHINA, Z. N. PROCESSES AND PROPERTIES INDEX

BC *B-I-5*

Reaction of sulfonamide on iron. Z. N. Charukhina and L. G. Ruzova (Inst. Metall. Ind. USSR. Eng. Techn. School. Sverdlovsk, 1964, No. 3, 95-100).— Fe contains 6 mm. thick may be destroyed by contact with sulfonamide. The corrosion is 3 times that for Cu. (M. Ann. (c))

COMMON ELEMENTS COMMON FERRITILE METALS

MATERIALS INDEX COMMON BOWLING

ASM-A6A METALLURGICAL LITERATURE CLASSIFICATION

1960 SYMBOL 1960 MID ORDERS COLLECTIONS 1960 BOWLING

10000 0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

CHARUKHINA, Z.H.

Engineer N.P. Kuprianova's method should be widely used in fur industry. Leg. prom. 17 no. 3:41 Nr '57. (MLRA 10:4)
(Fur--Testing)

CHARUKHINA, Z.N., kand.tekhn.nauk; KIVSHITS, Ye.A., mladshiy nauchnyy sotrudnik;
GRIGOR'YEVA, N.V., starshiy nauchnyy sotrudnik; ZABRODINA, I.P.,
laborant

Determining the concentration of solutions used in fur manufacture
by their electric conductivity. Nauch.-issl.trudy NIIMP no.9:56-
70 '59. (MIRA 14:5)

(Fur—Dressing and dyeing)

(Solution(Chemistry)—Electric properties)

CHARUKHINA, Z.N., kand.tekhn.nauk; ZABRODINA, I.P., inzh.

Determining the concentration of chromium salts by the density of
the solutions. Nauch.issl.trudy NIIMP no.11:37-40 '62. (MIRA 16:5)
(Tanning)

CHARUKHINA, Z.N., kand. tekhn. nauk; ZABRODINA, I.P., mladshiy nauchnyy sotrudnik

Possibility of the application of the chromatographic analysis for determining the changes occurring in the amino acid composition of the fur hair during dressing. Nauch. issl. trudy NIIKF no. 12:56-62 '63. (MIRA 17:11)

RODIONOV, A.M.; ZUBIN, A.M.; CHARUKHINA, Z.N.

Changes in the properties of the coat of hair of sheep pelts occurring during the refining process. Kozh.-obuv.prom. 5 no.4:21-23 Ap '63. (MIRA 16:5)

(Fur--Dressing and dyeing)

CHARUSHIN, G.V.

CHARUSHIN, G.V.

Determining the strike of slightly dislocated sedimentary rocks
by their fractures. Izv.vost.fil. AN SSSR no.3:27-35 '57.
(MLRA 10:9)

1. Vostochno-Sibirskiy filial Akademii nauk SSSR,
(Rocks, Sedimentary)

CHARUSHIN, G. V. Cand Geol-Min Sci -- (diss) "Tectonic parting of the slightly
dislocated sedimentary rocks of the southeastern Irkutsk amphitheater."

Irkutsk, 1957. 23 pp (Irkutsk State Univ im A. A. Zhdanov), 120 copies

(KL, 3-58, 96)

AUTHOR:

Charushin, G.V.

5-3-7/37

TITLE:

Tectonic Cleavage of Weakly Dislocated Sedimentary Rocks in the South-Eastern Part of the Irkutsk Amphitheater (Tektonicheskaya treshchinovatost' slabo dislotsirovannykh osadochnykh porod yugo-vostoka Irkutskogo amfiteatra)

PERIODICAL:

Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskii, 1957, No 3, pp 117-135 (USSR)

ABSTRACT:

The author describes results of investigating the tectonic cleavages of sedimentary Paleozoic and Mesozoic rocks in several districts of the Irkutsk amphitheater. He investigated diaclasses of these rocks during more than 2 years using the method developed by Ye.N. Permyakov (Ref. 13, 14, 15). The collection of materials proceeded along two lines: on the one hand azimuths of the strike lines of tectonic fissures were measured, and on the other hand, the quantitative characteristics of the cleavage were determined. About 12,000 measurements of fissures were performed. Then, the direction of rock strike was determined for each particular case according to Permyakov's "parallelogram rule". Elements of brachystructure were also computed by Permyakov's formulas. Local diagram-roses of tectonic fissures were con-

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5-3-7/37

Tectonic Cleavage of Weakly Dislocated Sedimentary Rocks in the South-Eastern Part of the Irkutsk Amphitheater

structured according to measurements in outcrops. They showed that diagonal and longitudinal cleavages occur concurrently in the southern part of the Siberian plateau. The domination of one or another type depends on the structural-tectonic properties of the territory. The shape and complexity of compounded diagram-roses depends on the character of the fold. In the case of long, narrow anticlines with uniform dip of the rocks at the sides, compound diagram-roses are simple with two rays. In the case of folds of complicated shapes, compound diagrams consist of many rays, as shown in Figure 8. Regional compound diagram-roses of tectonic fissures reflect the regional features of the tectonics of sedimentary layers. The summary compound diagram-rose, shown in Figure 8, was constructed on the measurements of tectonic fissures in all districts. It has rays parallel to the breaks of the Sayan-Baykal folded arc surrounding the southern projection of the Siberian plateau from the south-east and south-west. This gives some reason to suppose the existence of deep breaks in the crystalline foundation

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5-3-7/37

Tectonic Cleavage of Weakly Dislocated Sedimentary Rocks in the South-Eastern Part of the Irkutsk Amphitheater

of the Siberian plateau with the same orientation, i.e. diagonal network of fissures. The author expresses the opinion that main forces which caused the origination of these fissures were vertical or subvertical tectonic forces. The study of rock cleavage in the plateau regions proved to be expedient for geologic mapping and surveying, engineering-geologic explorations, etc. The article contains 1 graph, 3 photos, 3 maps, 4 diagrams, 5 tables and 24 references, 20 of which are Russian, and 4 are in English.

AVAILABLE: Library of Congress

Card 3/3

CHARUSHIN, G.V.

CHARUSHIN, G.V.

~~Tectonic fractures in sedimentary rocks. Priroda 47 no.2:92-94~~
F '58. (MIRA 11:2)

1. Institut geologii Vostochno-Sibirskogo filiala AN SSSR, Irkutsk.
(Rocks, Sedimentary)
(Geology, Sturctural)

CHARUSHIN, G.V.

Regional direction of faults in the Siberian Platform. Geol. i
geofiz. no.3:118-122 '60. (MIRA 13:9)

1. Vostochno-Sibirskiy geologicheskii institut Sibirskogo otdeleniya
AN SSSR.

(Siberian Platform--Faults (Geology))

CHARUSHIN, G. V.

Connection between hydrology and tectonics in the Irkutsk
amphitheater. Izv. Vses. geog. ob-va. 92 no. 5:406-419 S-0 '60.
(MIRA 13:9)

(Siberian Platform--Hydrology)

VOROPINOV, S.V.; CHARUSHIN, G.V.

Unusual buried frozen dislocations in the Azeyka brown coal
deposit (Irkutsk Province). Geol. i geofiz. no.8:43-50 '60.
(MIRA 14:2)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo
otdeleniya AN SSSR.
(Irkutsk Province—Geology, Structural)

CHARUSHIN, G.V.; SHERMAN, S.I.

Two ways of speeding up the construction process of ~~factories~~
~~diagrams~~. *Sov.geol.* 4 no.9:108-114 S '61. (MIRA 14:11)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo
otdeleniya AN SSSR.

(Geology, Structural--Graphic methods)
(Petrography)

CHARUSHIN, G.V.; TRZHTSINSKIY, Yu.B.

First Conference of Young Scientists of the Eastern Siberian
Institute of the Siberian Branch of the Academy of Sciences of
the U.S.S.R. Geol. i geofiz. no.6:113-114 '62. (MIRA 15:7)
(Siberia--Geology--Congresses)

CHARUSHIN, G.V.

Rapid method of locating strikes of the most pronounced joint systems.
Sov.geol. 6 no.2:110-117 F '63. (MIR 16:4)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirakogo otdeleniya
AN SSSR.

(Joints (Geology)) (Rocks, Sedimentary)

CHARUSHIN, G.V.; ISAYENKO, M.P.; GALYUK, V.A.

Reviews and bibliography. *Izv. vys. ucheb. zav.; geol. i razv.*
7 no.1:139-143 Ja '64 (MIRA 18:2)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo ot-
deleniya AN SSSR (for Charushin). 2. Moskovskiy geologorazvedoch-
nyy institut imeni Ordshonikidze (for Isayenko, Galyuk).

CHARUSHIN, Vladimir Aleksandrovich

[How to protect yourself and animals from helminthiasis] Kak
uberech' sebja i zhivotnykh ot glistnykh zabolevanii. Moskva,
Gos. izd-vo selkhoz lit-ry, 1958. 100 p. (MIRA 12:1)
(WORMS, INTESTINAL AND PARASITIC)

CHARUSHIN, V.A. (Ul'yanovsk)

Free vibrations of structures on braces. Stroi. mekh. i rasch.
soor. 4 no.2:36-40 '62. (MIRA 15:5)

(Vibration)

CHARUSHIN, Y.A.

Free vibrations of a structure on braces. Trudy TSNIISK no.18:
91-123 '62. (MIRA 16:2)
(Mechanics, Analytical) (Vibration)

ARNAUTOV, V.T.; BARANOV, V.M.; DONSKOY, S.A.; PASTUKHOV, A.I.; SMIRNOV, L.A.; TORSHILOV, Yu.V.; TRET'YAKOV, M.A.; UDOVENKO, V.G.; FREYDENZON, Ye.Z.; SHCHEKALEV, Yu.S.; Prinimali uchastiye: MAKAYEV, S.V.; KOMPANIYETS, G.M.; NAGOVITSYN, D.F.; NOVOLODSKIY, P.I.; VARSHAVSKIY, V.L.; KOROGODSKIY, V.G.; KLIBANOV, Ye.L.; MEDVEDEVSKIKH, Yu.; TALANTSEVA, T.I.; DUBROV, N.F.; DZEMYAN, S.K.; TOPYCHKANOV, B.I.; CHARUSHNIKOV, O.A.; KHARITONOV, Yu.A.

Developing and mastering the technology of converting vanadium cast iron in oxygen-blown converters with a 100 ton (Mg) capacity. Stal' 25 no.6:504-508 Je '65. (MIRA 18:6)

1. Nizhne-Ural'skiy metallurgicheskiy kombinat (for Makayev, Kompaniyets, Nagovitsyn, Novolodskiy, Varshavskiy, Korogodskiy, Klibanov, Medvedevskikh, Talantseva). 2. Ural'skiy nauchno-issledovatel'skiy institut chenykh metallov (for Dubrov, Dzemyan, Topychkanov, Charushnikov, Kharitonov).

NOVIKOV, A.; CHARUSHNIKOV, V.

We are improving insurance. Fin. SSSR 23 no.8:66-67 Ag
'62. (MIRA 15:8)

1. Zamestitel' nachal'nika Upravleniya gosudarstvennogo
strakhovaniya po Kirovskoy oblasti (for Novikov).
(Kirov Province—Insurance)

L 29729-66 EWT(d) IJP(c)
ACC NR: AP6015077

SOURCE CODE: UR/0020/66/168/001/0036/0039

AUTHOR: Charushnikov, V. D.

ORG: Institute of Mathematics, Siberian Division, Academy of Sciences SSSR (Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: A minimax problem of the theory of cubature formulas

SOURCE: AN SSSR. Doklady, v. 168, no. 1, 1966, 36-39

TOPIC TAGS: Euclidean space, error function, Fourier transform, topology, mathematic matrix, Hilbert space, linear functional operator

ABSTRACT: The cubature formula for any class of functions Φ is examined. The error functional of the formula

$$(I, \varphi) = \int_{\Omega} \varphi(x) dx - \sum_{k=1}^N c_k \varphi(x^{(k)})$$

where Ω is some domain in an n-dimensional Euclidean space E_n , and x is the column vector of the coordinates of the variable point. The quality of the cubature formula is evaluated by means of the bound of the functional

$$\|I\|_c = \sup_{\varphi \in \Phi} \frac{|(I, \varphi)|}{|\varphi|}$$

Fourier transforms are used. The topology in the spaces used is introduced:

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ACC NR: AP6015077

$$\|u\|_{H_2^{(p)}(\mathbb{E}_n)} = \left(\int |\hat{u}(\xi)|^2 \mu^2(\xi) d\xi \right)^{1/2}, \quad \|u\|_{H_2^{(p)}(\Omega)} = \inf \|u^*\|_{H_2^{(p)}(\mathbb{E}_n)}$$

2

A theorem [Among all the periodic error functionals with the volume of a unit torus, the minimum bound is that whose lattice is the reciprocal of the lattice that realizes the minimum of $B_n^{(\mu)}(h)$] is defined concretely. An explicit expression of the weight function is used. The author thanks S. L. Sobolev for formulating the problem and M. D. Romazanov for discussion. This paper was presented by S. L. Sobolev, academician, on 7 August 1965. Orig. art. has: 22 formulas.

SUB CODE: 12/

SUBM DATE: 27Jul65/

ORIG REF: 006

Cord 2/2 1.0

S/129/62/000/012/003/013
E073/E351

AUTHORS: Gol'dshteyn, Ya.Ye., Candidate of Technical Sciences
and Charushnikova, G.A., Engineer

TITLE: Influence of nickel on low-temperature brittleness of
steel

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
no. 12, 1962, 12 - 15

TEXT: The influence of Ni additions of 0.1, 1.1, 2.6 and 4.5% on the impact strength and sensitivity to lowering the brittle fracture transition temperature was investigated for experimental induction-melted steels with C contents of 0.18, 0.33, 0.45 and 0.50%, and 0.16-0.27% Si, 0.48-0.80% Mn, 0.032-0.033% S, 0.021-0.027% P, 0.08-0.11% Cr, 0.056-0.099% Al. From forged rods, 32 x 32 mm, normalized at 880-900 °C, high-temperature annealed and hardened at temperatures 30 °C above A_{c_3} and then tempered, specimens of 11 x 11 mm cross-section were cut (to ensure through-hardening); low-carbon steel specimens were water-quenched - the others oil-quenched. The influence of the tempering temperature (20 - 600 °C) on the impact strength of specimens water-cooled after tempering was studied and the influence of Ni on the brittle
Card 1/2

Influence of nickel

S/129/62/000/012/003/013
E073/E351

fracture transition of specimens tempered to HB 240 and 340 (0.18% C steels were tempered at 200 °C). Steels with different chemical compositions were tempered from different temperatures to obtain equal hardness. Conclusions: nickel additions to low-carbon steel (0.18%) increase the impact strength and lower the brittle fracture temperature; in low-temperature tempered steel the lowest brittle fracture temperature (-60 °C) is obtained for steel with 4.5% Ni but steel tempered to HB 240 requires only 2.5% Ni to give the lowest brittle fracture temperature. (-50 °C). If the carbon content is above 0.33%, nickel additions no longer have a favourable effect (high-temperature tempering) and may even become unfavourable. ✓
The quantity of Ni required to bring about an unfavourable influence is lower the higher the carbon content. There are 1 figure and 3 tables.

ASSOCIATION:

Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii (Chelyabinsk Scientific-research Institute of Metallurgy)

Card 2/2

L 6899-65 EWT(m)/EWP(q)/EWP(b) Pad NJW/JD/HW
ACCESSION NR: AR4044228

S/0137/64/000/006/1069/1069

SOURCE: Ref. zh. Metallurgiya, Abs. 61395

AUTHOR: Gol'dshteyn, Ya. Ye.; Charushnikova, G. A.; Krashchenko, L. S.

TITLE: Nickel and manganese in the problem of the cold-shortness of steel

CITED SOURCE: Sb. Legirovaniye staley. Kiyev, Gostekhizdat USSR, 1963, 223-235

TOPIC TAGS: nickel, manganese, cold shortness, steel, carbon steel

TRANSLATION: Investigates the influence of Ni (to 4.5%) on a_k and the threshold of cold shortness of carbon steel containing 0.18, 0.33, 0.45 and 0.5% C, and the influence of Mn (to 2.8%) on the indicators in steel with 0.21-0.6% C. Ni-steel was processed at H_B of 240 and 340; Mn-steel-at H_B 240. The critical brittle temperature T_{xp} was the test temperature at which crystal fracture constituted 10% of the area of fracture of the sample. Preliminarily investigates the influence of

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ACCESSION NR: AR4044228

tempering temperature on a_k of steel. After tempering at 300-350° Ni increases the a_k of steel; at higher tempering temperatures a 4.5% Ni content has a negative influence on a_k . With a small C content (0.18%) Ni promotes viscous fracture and a lowering of T_{xp} ; with a C content of 0.33% and higher, Ni promotes the appearance of crystal fracture and increases T_{xp} . A lowering of a_k and an increase of T_{xp} with increasing Ni content is explained by the influence of Ni on the state of a solid solution and on the tendency of steel toward irreversible temper brittleness; the higher the C content, the lower the Mn content at which failure a_k is revealed. With a C content of 0.3%, Mn increases the a_k of steel in the hardened and tempered state. With increase of C content $>0.3\%$, Mn renders a negative influence on a_k . At average and high tempering temperatures the Mn content $>1.3\%$ renders a negative influence for all C contents. During investigation of T_{xp} of Mn-steel with Hg 235 there is revealed a positive influence of Mn for a content $\leq 1.3\%$. With a further increase of the Mn content, T_{xp} increases. Investigates also steel containing 0.06-0.11% C and $\sim 7\%$ Mn. After tempering at 600° high-manganese steel, decarburized by Ti, has a higher a_k to -160° than 8% Ni-steel. The influence of Ti appears in crushing of the grain and N binding.

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L 6899-65

ACCESSION NR: AR4044228

Investigation of the complex influence of Mn and other elements led to the
creation of economic highly durable steels without Ni or with small Ni content
(15KhGNR, 14KhZSR, 35Kh2G2SYA, and others).

18 18 18
SUB CODE: MM

ENCL: 00

Card 3/3

ACCESSION NR: AR4014152

S/0137/63/000/012/1064/1064

SOURCE: RZh. Metallurgiya, Abs. 121419

AUTHOR: Gol'dshteyn, Ya. Ye.; Charushnikova, G. A.

TITLE: Effect of nickel on the cold brittleness of carbon steel

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Chelyabinsk, vyp. 5, 1963, 132-141

TOPIC TAGS: Nickel carbon steel, carbon steel cold brittleness

TRANSLATION: Four fractional melts were studied, the C content of each of which was constant (0.18; 0.33; 0.44, and 0.50%), with the Ni content changing from 0.1 to 4.5%. a_k was determined in specimens with H_B equal to 240 and 340 at temperatures between -120 and +20°. The effect of Ni on the properties of the steel depends on the C content and the heat treatment. When the C content is 0.18%, Ni improves the fracture and a_k of the steel. When the Ni content increases from 0.1 to 4.5%, the cold-brittleness threshold shifts toward lower temperatures

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ACCESSION NR: AR4014152

(-60°). The cold brittleness is enhanced in steels containing 0.33% C and 0.50% Ni. When H_B is equal to 240, the positive effect of Ni declines as early as 0.33% C and becomes negative at 0.50%. M. Ivanova.

DATE ACQ: 09Jan64

SUB CODE: ML

ENCL: 00

Card 2/2

GOL'DSHTEYN, Ya.Ye. (Chelyabinsk); CHARUSHNIKOVA, G.A. (Chelyabinsk);
EELIKOV, A.M. (Chelyabinsk)

Characteristics of phase transformations, structure, and properties
of manganese steel. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo
no.4:105-111 J1-Ag '63. (MIRA 16:10)

L 62945-65 ENT(m)/EWP(w)/EPF(c)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c)
IJP(c) JD

ACCESSION NR: AR5019144

UR/0137/65/000/007/1059/1059

SOURCE: Ref. zh. Metallurgiya, Abs. 71378

41
38
E

AUTHOR: Gol'dshteyn, Ya. Ye.; Charushnikova, G. A.; Belikov, A. M.;
Verbovetskaya, D. Ye.

44,55 44,55 44,55

TITLE: Properties and special characteristics of phase transitions of high man-
ganese steels

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Vyp. 7. Chelyabinsk, 1964,
189-199

TOPIC TAGS: manganese steel, phase transition, brittleness, solid mechanical
property, nitrogen, nitride, manganese containing alloy, molybdenum containing
alloy, tungsten containing alloy

TRANSLATION: Determinations were made of the mechanical properties and the
tendency toward cold brittleness of steels containing (in %) 0.06-0.11 carbon,
6.84-8.89, residual aluminum up to 0.13 or residual titanium up to 0.2. Investi-
gations were also made by microscopic, X-ray structural, dilatometric, and
durometric methods. With the composition adopted, a satisfactory combination of

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I 62945-65

ACCESSION NR: AR5019144

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properties ($\sigma_s \geq 60 \text{ kg/mm}^2$, $\sigma_{k-40} 9-12 \text{ kgm/cm}^2$) is ensured by a small grain size and a two phase structure, consisting of a thin mixture of ferrite and austenite, resistant at very low temperatures. A similar structure appears on heating up to 600-625C steels which have been previously hardened or normalized. The harmful effect of manganese on the position of the threshold of cold brittleness is due not only to the manganese itself, but also to the nitrogen introduced into the steel with the ferromanganese or the metallic manganese. It is necessary to neutralize the harmful effect of nitrogen dissolved in the steel by bonding it in stable nitrides and carbonitrides (residual aluminum or residual titanium 0.05-0.07%). Subsequent alloying with 6-9% manganese, molybdenum (up to 0.5%) or tungsten (up to 1%) aid in a further lowering of the threshold of cold brittleness ($\sigma_{k-40} 17-20 \text{ kgm/cm}^2$). Orig. art. has: 7 literature titles. I. Tulupova

SUB CODE: MM

ENCL: 00

Card 2/2

L 10429-67 EWT(m)/EWP(w)/EWP(t)/ETI IJP(c) JD/HW/JG
ACC NR: AP6031717 (A) SOURCE CODE: UR/0370/66/000/005/0075/0082

AUTHOR: Gol'dshteyn, Ya. Ye. (Chelyabinsk); Charushnikova, G. A. (Chelyabinsk) 29
ORG: none

TITLE: Effect of additional alloying on cold brittleness of manganese steel 4

SOURCE: AN SSSR. Izvestiya. Metally, no. 5, 1966, 75-82 16

TOPIC TAGS: manganese steel, molybdenum containing steel, tungsten containing steel, nickel containing steel, steel property, cold brittleness, *BRITTLENESS, PHASE TRANSITION*

ABSTRACT: An attempt has been made to lower the temperature of transition to brittle behavior (T_b) in high manganese steel (0.06-0.10% carbon, 7.0-9.0% manganese) by additional alloying. This steel has high mechanical properties: tensile strength over 90 kg/mm², yield strength 70 kg/mm², elongation over 20%, reduction of area over 60% and notch toughness over 10 mkg/cm². The notch toughness, however, drops sharply at temperatures below 10C. Only a very simple heat treatment is required: annealing at 800C and short aging at 600-625C with subsequent quenching in water, oil, or air. It was found that the addition of 0.5% molybdenum, 1.2% tungsten, and 2% Ni lowers the T_b by 100, 50, and 30C, respectively, without affecting the other properties. Orig. art. has: 6 figures and 5 tables. [TD]

SUB CODE: 11/ SUBM DATE: 12Jun64/ ORIG REF: 007/ OTH REF: 003/

Card 1/1 4/11

L 3992-66 EPA(s)-2/EWI(m)/EPF(n)-2/EMP(t)/EMP(S) IJP(e) ID/mm/...

ACC NR: AP5022354

UR/0133/65/000/009/0820/0823

669.168:621.365

AUTHOR: Bazobrazov, S. V.; Kadarnetov, Kh. N.; Charushnikova, G. V.; Krichevets, R. B.;
Ponomarenko, Yu. G.; Tulin, N. A.; Pozdeyev, N. P.; Sergeyev, A. B.

TITLE: Vacuum treatment of liquid ferrochromium

SOURCE: Stal', no. 9, 1965, 820-823

TOPIC TAGS: ferrochroma, low carbon ferrochroma, liquid ferrochroma, ferrochroma decarburization, vacuum decarburization

ABSTRACT: To develop a technique for industrial-scale production of low-carbon ferrochromium, the Chelyabinsk Scientific Research Institute of Metallurgy together with the Chelyabinsk Metallurgical Plant, conducted (1960-1964) a series of laboratory and semi-industrial scale experiments on decarburization of liquid ferrochromium in a vacuum induction furnace. The experimental results showed that vacuum treatment of a 400-kg heat of liquid ferrochromium in an induction furnace in a vacuum of 0.6-2.0 mm Hg (80-270 n/m²) at 1670-1700C reduced the carbon content of the alloy from 0.05-0.07 to 0.01-0.02% in 1 hr, and even lower with further treatment. The chromium content of the alloy was practically unchanged, and the loss of ferrochromium did not exceed 3%. The power consumption for vacuum treatment was about 500 kwh per ton of liquid ferrochromium, and the carbon oxidation rate was 0.0006 to 0.0009% C/min. In industrial-scale production, liquid ferrochromium can be poured into a ladle from which, after slag removal, the metal is poured into the crucible

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L 3992-66

ACC NR: AP5022354

of an induction furnace. The air is then evacuated from the furnace and after treatment the degassed metal is cast in flat ingots in air or in vacuum. To speed up the treatment, the crucible preferably should be of large diameter but comparatively shallow, and the content of carbon and phosphorus in the initial alloy should not exceed 0.07—0.09 and 0.03%, respectively. Orig. art. has: 1 figure and 1 table. [MS]

ASSOCIATION: Chelyabinskii n.-i. institut metallurgii (Chelyabinsk Scientific Research Institute of Metallurgy); Chelyabinskii metallurgicheskii zavod (Chelyabinsk Metallurgical Plant)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM,IE

NO REF SOV: 011

OTHER: 000

ATD PRESS: 4119

RC
Card 2/2

BEZOBRAZOV, S.V.; KADAMETOV, Kh.N.; CHARUSHNIKOVA, G.V.; KRICHEVETS, R.B.;
FORAMARENKO, Yu.G.; TULIN, N.A.; POZDEYEV, N.P.; SERGEYEV, A.B.

Vacuum treatment of liquid ferrochromium. Stal' 25 no.8:820-
823 S '65. (MIRA 18:9)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii i
Chelyabinskiy metallurgicheskiy zavod.

CHARUYSKAYA, L. P.

CHARUYSKAYA, L. P.: "The dynamics of conditions and elements of soil fertility in field crop-rotations with various densities of grain or industrial crops in Krasnodar Kray." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Samarkand, 1956.
(Dissertations for the Degree of Candidate in Agricultural Sciences).

SO: Knizhnaya leto: is' No. 22, 1956

CHARUYSKIY, A.P.; SHEERSTENNIKOV, F.A.; FOMIN, M.G., redaktor; KOVA-
LICHINA, W.F., tekhnicheskiy redaktor.

[Installation of metal bridges by means of four-pole derricks]
Montazh metallicheskiikh mostov pri pomoshchi chetyrekhmachtovogo
pod'emnika. Moskva, Izd-vo dorozhno-tekhn. lit-ry Gushosdora MVD
SSSR, 1952. 74 p. [Microfilm] (MLRA 7:10)
(Bridges, Iron and steel) (Cranes, derricks, etc.)

DRONOV, A.A.; GODIK, A.N.; SHTIL'MAN, Ye.I.; CHARUYSKIY, A.P.,
red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Construction of small bridges and culverts from local
materials] Stroitel'stvo malykh mostov i trub iz mestnykh
materialov. Moskva, Dorizdat, 1953. 127 p.

(Bridges) (Culverts)

(MIRA 16:7)

CHARUYSKIY, A.P.

ALEKSANDROV, Boris Sergeevich; ALEKSEYEV, A.P.; KAPOLOTSKIY, F.D.;
KONDAKOV, A.Yu.; NEGODATEV, V.I.; HYB'YEV, I.A.; SABSATSKIKH,
P.I.; ~~CHARUYSKIY, A.P.~~; SHOMINOV, I.S.; BABKOV, V.F., doktor tekhnicheskikh nauk, professor, redaktor; GHVANOV, V.G., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor.

[Handbook for road foremen] Spravochnoe rukovodstvo dlia dorozhnogo мастера. Pod red. V.F.Babkova. Moskva, Nauchno-tekhn. izd-vo avto-transportnoi lit-ry, 1954. 450 p. [Microfilm] (MLRA 8:2)
(Roads)

CHARUYSKIY, A.P.

CHARUYSKIY, Aleksandr Petrovich; MIKLASHEVSKIY, Yevgeniy Pavlovich,
laureat Stalinskoy premi; GRADISHCHEV, Nikolay Yefimovich; KHAZAN,
I.A., redaktor; KOGAN, F.L., tekhnicheskiy redaktor.

[Manual for the concrete worker in the construction of bridges and
culverts] Posebie betonshchiku na stroitel'stve mostov i trub.
Izd. 2-e, perer. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry
1955. 153 p. (MLRA 8:12)
(Bridges, Concrete) (Pipes, Concrete)

CHARUYSKIY, A. P.

AKSEL'ROD, Isay Solomonovich; CHARUYSKIY, A.P., red.; GALAKTIONOVA, Ye.N.,
tekh. red.

[Safety engineering in bridge construction] Tekhnika bezopasnosti
na stroitel'stve mostov. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1955. 62 p. (MIRA 11:7)
(Bridge construction--Safety measures)

YERIN, Boris Gerasimevich; OZE, Sergey Mgarovich; SEREGIN, Ivan Masarevich.
CHARUYSKIY, A.P., redaktor; GALAKTIONOVA, Ye.N., tekhnicheskii re-
daktor.

[Care and repair of automobile bridges] Soderzhanie i razmet avte-
dorezhnykh mostev. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry,
1955. 209 p. (Bridges--Repairing) (MLRA 9:6)

CHARUYSKIY, A.P., inzhener

**Conveyer assembly and placement of bridge spans by pushing from
the back side. Avt.dor.18 no.5:20-21 S'55. (MIRA 9:1)
(Bridge construction)**

CHARUYSKIY, A.P.
GIBSHMAN, Ye.Ye., prof.; KHAZAN, I.A., inzh.; CHARUYSKIY, A.P., inzh.

Highway bridge construction during the years of the Soviet regime.
Avt.dor. 20 no.10:25-28 0 '57. (MIRA 10:12)
(Bridge construction--History)

CHARUYSKIY, A.P.

PAKHOLIK, L.[Pacholik, Ladislav]; KHARITONOVA, M.M.[translator];
BARABANOVA, N.Ye.[translator]; ~~CHARUYSKIY, A.P.~~, redaktor;
GALAKTIONOVA, Ye. N., tekhnicheskiy redaktor

[Prestressed concrete] Predvaritel'no napriazhennyi beton. Sokrashchennyi
perevod s cheshskogo M.M. Kharitonovoi, N.E. Barabanovoi. Moskva,
Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1957. 294 p.
(MLRA 10:5)

(Prestressed concrete)

CHARUYSKIY, A.P., inzh.

Making and erecting precast reinforced concrete bridge spans.

Mekh. strel. 15 no.11:19-22 N '58.

(MIRA 11:12)

(Bridges, Concrete)

CHARUYSKIY, A.P., inzh.

Industrializing the construction of reinforced concrete bridges
and culverts on highways. Avt.dor. 22 no.3:14-18 Mr '59.

(Road construction) (Bridges, Concrete) (Culverts) (MIRA 12:4)

TOLMACHEV, Konstantin Khristofovich, dotsent, kand.tekhn.nauk; CHARUYSKIY,
A.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.; DONSKAYA, G.D.,
tekhn.red.

[Controlling stresses in metal bridge span structures] Reguliro-
vanie napriazhenii v metallicheskiikh proletnykh stroeniakh mostov.
Moskva, Nauchno-tekhn.isd-vo M-va avtomobil'nogo transp. i shossei-
nykh dorog BSFSR, 1960. 114 p. (MIRA 13:6)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR
(for Tolmachev).
(Bridges, Iron and steel) (Strains and stresses)

CHARUYSKIY, A.

In support of a further rise in technical progress in bridge construction. Avt. dor. 24 no.10:28-29 0 '61. (MIRA 14:11)
(Bridge construction)

CHARUYSKIY, A. P.; KLOCHKOV, B. V.; BULANTSEV, V. I.

Suspended assembly of spans with dry joints. Avt. dor. 25
no.10:17-19 0 '62. (MIRA 15:10)

(Bridge construction)

CHARUYSKIY, A.P., inzh.

Standardized designs of span structures. Avt.dor. 27 no.6:22-23
Je '64.

(MIRA 18:4)

CHARUYSKIY, A.; ANTONOV, I.

Once more about slabs without reinforcement. Avt.dor. 27 no.11:21
N 164. (MIRA 18:4)

CHARUYSKIY, A.P., inzh.

Strengthening river bridge piers. Avt. dor. 28 no. 9:25-26
S '65. (MIRA 18:10)

CHARUZA, J.

"Standardisation of Tools." p. 232 (STROJIRENSTVI, Vol. 3, No. 3, March 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954, Unclassified.

CHARUZA, J.

CHARUZA, J. International standardization of terminology in gauging. p. 33.

Vol. 3, no. 2, Feb. 1954

NORMALISACE

TECHNOLOGY

Praha, Czechošlovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

CHARUZA, J. - Normalisace - Vol. 4, no. 1, Jan. 1955.

Safety regulations for eccentric and crank presses. p. 12.

Thematic plan for Normalisace for 1955. p. 15.

S0: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

CHARUZA, J.

Third Plenary Session of the International Organization for Standardization. p. 193.

Vol. 4, no. 9, Sept. 1955
NORMALISACE
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

CHARUZA, J.

CHARUZA, J. Expositions help standardization. p. 177.

Vol. 5, no. 8, Aug. 1956

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TECHNOLOGY

Czechoslovakia

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

CHARUZA, J., ins.

New Czechoslovak standards. Strojirenstvi 11 no.11:873-874 N '61.

(Machinery)

CHARUZA, J., inz.

New Czechoslovak standards. Strojirenstvi 11 no.12:947-948
D '61.

CHARUZA, J., inz.

Sectional shifting cylinder. Strojirenstvi 12 no.1:69-70 Ja '62.

CHARUZA, J., inz.

New standards. Strojirenstvi 13 no.5:393 My '63.

CHARUZA, J., inz.

New standards. Strojirenstvi 13 no.7:552 J1 '63.

CHARUZA, J., inz.

New standards. Strojirenstvi 13 no.9:713 S '63.

CHARUZA, J., inz.

New standards. Strojirenstvi 14 no. 3: 235 Mr '64.

CHARUZA, J., inz.

New standards. Strojirenatvi 14 no.12:962-963 D '64.

GHARUZA, Zdenek

Cement toe lasting. Kozarstvi 13 no.4:113-118 Ap '63.

1. Svit, n.p., Gottwaldov.

CHARVAT, A.

"Principles of ensuring the efficiency of capital investments in the meat industry." P. 113.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu). Praha, Czechoslovakia, Vol. 10, No. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

CHARVAT, Antonin, inz.

Preparation of the railroad line service for the 1963-64 winter.
Zel dop tech ll no.10:293-294 '63.

CHARVAT, A.

Experiences with Filatov's tissue therapy of peptic ulcer. Sborn.
pathofysiol. trav. vyz. 5 no.6:362-365 1951. (CINL 23:2)

Charvat A

Excerpta Medica Sec 9 Surgery Vol. 9/6 June 55

3123. CHARVÁT A. Chir. Odd. Státní nemocn. Pod Petřínem, Praha III. Volvulus žlučníku. Volvulus of the gallbladder ROZH. CHIR. 1954, 33/9 (471-475) illus. 2

CHARVAT, A., As. MUDr

Solitary diverticulitis of the cecum. Roshl.chir. 34 no.6:371-374
June 55.

1. Z chirurgického oddeleni St. obl. v.v. nemocnice v Frase-Motole,
prednosta doc. MUDr B.Hiederle
(CECUM, diverticula
solitary diverticulitis, surg.)

CHARVAT, A., MUDr.

Osteogenesis imperfecta. Acta chir. orthop. traum. cech. 23 no.6:
321-327 Nov 56.

1. Chirurgické oddelení Stat. obl. v. v. nemocnice v Písečném-Motole,
predn. doc. Dr. B. Niederle.
(OSTEOGENESIS IMPERFECTA,
case reports & review (Cs))

CHARVAT, Aug.

Calculi in the vas deferens. Rozhl. chir. 35 no.8:486-
490 Aug 56.

1. Z chirurgického odd. nemocnice Pod Petrinou, Praha III,
Vlašská, přednosta doc. MUDr. Z. Vahala.
(VAS DEFERENS, calculi
(Cs))

CHARVAT, A. (Praha-Motol, chirurg. odd.)

Periarteritis nodosa. Rozhl. chir. 37 no.4:266-272 Apr 58.

1. Chirurgické oddělení nemocnice v Praze-Motole, přednosta doc.
Dr. B. Niederle. A. Ch., Praha-Motol, chirurg. odd.

(PERIARTERITIS NODOSA
(Cs))

CHARVAT, A. (Praha XVI, Nad Vaclavkou 4.)

Disease of the appendices epiploicae. Rozh. chir. 37 no.6:417-422
June 38.

1. Chirurgická klinika (dospělých) fakulty lékařského lekářství, předn.
doc. Dr. Z. Vahala, Praha.
(INTESTINE, LARGE, dis.
inflamm. of appendices epiploicae (Cz))
(PERITONITIS
same)

FILSAKOVA, E.;CHARVAT, A.;ROTRKEL, V.

Our experiences with nephropexy in a wandering kidney. Rozhl.
chir. 38 no.10:666-671 0 '59

1. Rentgenolog. odd. fakultni nemocnice v Praze 1 - Pod Petrinem,
vedouci prim. dr. E. Filsakova Chirurgicka katedra fakulty detskeho
lekarstvi, vedouci prof. dr. Jan. Knobloch Interni katedra fakulty
detskeho lekarstvi, vedouci prof. dr. Vladimir Jedlicka.
(KIDNEYS, abnorm.)