CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Food Industry. H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44943.

(drying, pickling and salting of mushrooms, manufacture of mushroom powder, mushroom extract, and canned mushrooms). It is proposed to utilize the waste of mushroom processing as feed for cattle and fish.

Card : 2/2

ZVARA, Vojtech

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Application. Food Industry. H-28

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 26849

Author : Zvara Vojtech
Inst : -
Title : At What Stage of Maturity Should Foxberries be Harvested and Processed.

Orig Pub : Prumysl potravin, 1957, 8, No 9, 484-485

Abstract : Instructions are provided concerning the periods of harvesting of foxberries, depending upon the degree of maturity. It is not recommended to can unripe foxberries.

Card 1/1

ZVARA, V.; ONDRUS, B.

Chronic pyelonephritis in children in the histological picture and its relation to persistent fetal structures of the kidney. Bratisl. Lek. Listy 1 no.3:140-149 '62.

1. Z Urologickej kliniky Lek. fak. Univ. Komenskeho v Bratislave, prednosta doc. MUDr. M. Brozman.

(PYELONEPHRITIS in inf & child) (KIDNEY abnorm)

OKOLICANY, O.; ZVARA, V.

Cast concrements of the ureter. Bratisl. lek. listy 41 no.10:606-610 '61.

1. Zo Ftizeologickej katedry Slovenskeho ustavu pre doskolovanie lekarov v Podunajskych Biskupiciach, veduci MUDr. K. Virsik, a z Urologickej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduci MUDr. F. Jakes.

(URINARY CALCULI radiography)

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Food Industry. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21244

Author : Zvara, Vojtech
Inst : -
Title : Reprocessing Raw Material Growing Wild in the Food Industry of Slovakia.

Orig Pub : Prumysl potravin, 1958, 9, No 6, 304-309

Abstract : No abstract.

Card : 1/1

H-118

BERKAN, Ya.; ZVARGULE, A., vneshtatnyy instruktor; KHARITONOVA, V., doverenyy vrach; SAVEL'YEVA, G., inzh.-tekhnolog; NIKOLAYEVA, A., starshiy instruktor; SMIRNITSKAYA, Ye.; KHMELOVA, V.

Changes for the better. Okhr.truda i sots.strakh. 5 no.4:20-22 Ap '62. (MIRA 15:4)

1. Predsedatel' obshchestvennogo soveta 4-y ob"yedinennoy bol'nitsy g. Rigi (for Berkan). 2. Respublikanskiy sovet profsoyuzov Latviyskoy SSR (for Zvargule, Nikolayeva). 3. Pishchevaya laboratoriya g. Yurmala (for Savel'yeva). 4. Korrespondent gazety "Sovetskaya Latviya" (for Smirnitskaya). 5. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Khmeleva).

(Latvia--Sanatoriums)

ZVARA, V.; WUNDER, R.

Analysis of the mortality and morbidity due to malignant neoplasms of the urogenital system. Bratisl. lek. listy 45 no.10:585-597 30 N '65.

1. Katedra urologie Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci doc. MUDr. V. Zvara, CSc.) a Katedra organizacie zdravotnictva Lekarske fakulty Univerzity Komenskeho v Bratislave (veduci zast. doc. MUDr. J. Dedek).

[illegible]

Surname, Given Names

Country: Czechoslovakia

Academic Degrees: MD

Affiliation: Chief of Gynecology and Obstetrics Section (Gynekologicko-porodnicke oddelenie) of the OUNZ [Okresny ustav narodneho zdravia; Okres Public-Health Institute], Martin

Source: Bratislava, Lekarsky Obzor, No 3, 61, pp 153-155

Data: "Menstruation Disorders in Practical Gynecology"

GPO 981643

ZVARIK, Emil

Our experience with parturient women with pulmonary tuberculosis.
Cesk.gyn.25[39] no.5:397-399 Je '60.

1. Gynek.-porod. odd. OUNZ-Martin, prednosta MUDr. Emil Zvarik.
(TUBERCULOSIS PULMONARY in pregn)
(PREGNANCY compl)

ZVARIK, Emil

Results of using neuroplegic drugs in obstetric analgesia. Cesk. gyn. 23[37] no.7:528-530 Oct 58.

1. Gyn.-por klin. zakladna SUM v Martine, prednosta doc. Dr M Dlhos.
(AUTONOMIC DRUGS, ther. use
neuroplegic drugs, adjuvants in labor (Cz))
(LABOR, anesth. & analgesia
adjuvant neuroplegic drugs (Cz))

ZVARIK, Emil

Treatment of urinary incontinence in women by vesicovaginal interposition. Cesk. gyn. 24[38] no.5:360-361 June 59.

1. Z Por. gyn. klinicej zakladne SUDL v Martine, prednosta doc. dr. E. Dlhos.

(URINATION DISORDERS, surg.
vesicovaginal interposition in incontinence in women (Cz))

ZVARIK,E., MUDr.; RADAKOVIC,M., MUDr.; SEDLAK,J., prom. lekar.

The significance of observing the fibrinolytic activity in gynecological and obstetrical practice. Cesk. gynek. 30 no.1: 114-118 Mr'65.

1. Gyn.-por. oddzeleni (veduci: MUDr. E. Zvarik), OTS (veduci: MUDr. M. Radakovic) a Centralno labor. (veduci: J. Sedlak,prom. lekar) Obvodniho ustavu narodniho zdravi v Martine.

ZVARIK, E.

Experiences with repeated gynecological laparotomies. Cesk. gyn. 28 no.5:323-327 Je '63.

1. Gyn.-porod. odd. OUNZ v Martine, ved. MUDr. E. Zvarik.
(LAPAROTOMY) (PREGNANCY, ECTOPIC)
(GYNECOLOGIC NEOPLASMS) (STERILITY, FEMALE)
(URINARY FISTULA)

DLHOS, E.; ZVARIK, E.

Survival and causes of death following exenteration performed according to Brunschwig. Neoplasma 9 no.2:205-208 '62.

1. Slowakisches Arztefortbildungsinstitut, Geburtshilf.-gynekol. Abt., Trencin, CSSR.

(CERVIX NEOPLASMS surg) (PELVIS surg)
(HYSTERECTOMY)

ZVARA, Milan, inz.; ZVAROVA, Mira, inz.

Importance of the use of wild garlic in the food industry.
Prum potravin 14 no.8:407-409 Ag '63.

1. Teva, podnik miestneho priemyslu, Bardejov.

ZVARA, Milan; ZVAROVA, Mira

Bird cherries as a raw material for the canning industry.
Prum potravin 15 no.9:440-441 S '64.

1. Teva, Local Industry Enterprise, Bardejov.

BARANOVA, G.; BRANDSHTETR, I.; DRUIN, V.; YERMAKOV, V.; ZVARCVA, T.; KRZHIVANEK, M.; MALY, Ya.; POLIKANOV, S.; SU KHUN-CUY [Su Hung-kuei]

[Production of Md^{256} through irradiation of U^{238} with Ne^{22} ions, study of some of its chemical properties] Poluchenie Md^{256} pri obluchenii U^{238} ionami Ne^{22} i izuchenie ego nekotorykh khimicheskikh svoistv. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 11 p. (MIRA 15:1)

(Mendelevium) (Uranium) (Neon)

BRANDSHTETR, I.; ZVARA, I.; ZVAROVA, T.; KNOBLOKH, V.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUT [Su Hung-kuei]

Determination of the fission yield of heavy nuclei induced by multiply charged ions. Part 2: Fission of U238 induced by Ne^{22} ions. Radiokhimiia 6 no.4:479-484 '64. (MIRA 18:4)

BERANOVA, H.; BRANDSHTETR, I.; DRUIN, V.; YERMAKOV, V.; ZVAROVA, T.; KZHIVANEK, M. (Krzywanek, M.); MALY, Ya. (Maly, J.); POLIKANOV, S.; SU HUNG-KUEI

Synthesis of ^{256}Md as a result of irradiating ^{238}U with ^{22}Ne ions and research on some of its chemical properties. Nukleonika 7 no.7/8:465-471 '62.

1, Ob"yedinennyy institut yadernykh issledovaniy, Dubna, Laboratoriya yadernykh reaktsiy.

ACCESSION NR: AP4009947 S/0186/63/005/006/0694/0699

AUTHOR: Brandshtetr, I.; Zvarova, T. S.; Krzhivanek, M.; Maly*, Ya.

TITLE: Chromatographic separation of rare-earth elements and certain actinides on cation-exchange resin in the presence of radioactive isotopes precipitated with LaF sub 3

SOURCE: Radiokhimiya, v. 5, no. 6, 1963, 694-699

TOPIC TAGS: multicharge ions, rare-earth elements, actinides, radioelements, a-active isotopes, gadolinium, gadolinium numbers, cation-exchange resin, lactate, Dow-X resin, lanthanum, actinium, ammonium lactate, elution, chromatographic separation

ABSTRACT: The experiments revealed that the coefficients of element separation on Dow-X resin 50x12 are different from those cited in literature. The gadolinium numbers and coefficients of rare-earth and actinide separation were determined, as well as the elution place of a-active elements which can model actinides on the resins used in this work. The gadolinium numbers of Md and Fm were determined by the

Card 1/2

ACCESSION NR: AP4009947

methods described by G. Beranova et al. (Nucleonika, 7, 7/8, 465, 1962). The resulting data on Dow-X resin 50x12 show that the element-separation factors in all cases are somewhat different from those cited in literature although results of earlier experiments with American-made Dow-X 50x12 resin did agree with the published figures. It appears, therefore, that the gadolinium number is not an invariable characteristic of a given brand of resin. The place of elution has been determined in the chromatographic separation of the series of a-active elements which can hinder the determination of the transuranium elements. "In conclusion, the authors express their gratitude to V. A. Yermakov and Su Hun-Gui for their assistance in the experiments." Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 03May62 DATE ACQ: 07Feb64 ENCL: 00

SUB CODE: CH, EL NO REF SOV: 006 OTHER: 006

Card 2/2

BRANDSHTETR, I.; ZVAROVA, T.S.; KRZHIVANEK, M.; MALY, Ya.

Chromatographic separation of rare-earth elements and some actinides on cation exchangers in the presence of radioactive isotopes coprecipitating with LaF_3. Radiokhimiia 5 no. 6:694-699 '63. (MIRA 17:7)

BRANDSHTETR, I.; VOLKOV, V.V.; YERMAKOV, V.A.; ZVARCVA, T.S.; KRZHIVANEK, M.; MALY, Ya.; SU KHUN-GUY [Su Hung-kuang]

Study of the products of reactions of heavy elements with multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions. Radiokhimiia 5 no. 6:706-711 '63. (MIRA 17:7)

S/020/63/148/003/014/037
B108/B180

AUTHORS: Zvara, I., Tarasov, L. K., Krzhivanek, M., Su Hung-kuei, Zvarova, T. S.

TITLE: Formation of $Zr^{97}Cl_4$ when fission fragments are slowed down in gases containing chlorine

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 555-557

TEXT: Experiment: A U_3O_8 layer (target) on a mica backing was covered with a thin fluoroethylene film and placed in a fluoroethylene-4 ampoule. Gas containing inactive $ZrCl_4$ was passed through the ampoule while the target was bombarded with neutrons from a standard Po-Be source. The gas was condensed at the outlet and radiochemically analyzed for Zr^{97}. Results: Above 170°C, the fission-fragment Zr^{97} is stabilized in the form of $Zr^{97}Cl_4$. This process involves exchange of the hot Zr^{97} atom (ion) for

Card 1/2

the $ZrCl_4$ molecule. $Zr^{97}Cl_4$ forms from primary fission-fragment Zr^{97} as well as that arising in the beta decay of Y^{97}. The method outlined here can be used to enrich Zr^{97}. There are 1 figure and 1 table.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

PRESENTED: August 1, 1962, by V. N. Kondrat'yev, Academician

SUBMITTED: June 13, 1962

L 14304-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6029794 SOURCE CODE: UR/0089/66/021/002/0083/0084

AUTHOR: Zvara, I.; Chuburkov, Yu. T.; Tsaletka, R.; Zvarova, T. S.; Shalayevskiy, M. R.; Shilov, B. V.

ORG: none

TITLE: Chemical properties of the element 104

SOURCE: Atomnaya energiya, v. 21, no. 2, 1966, 83-84

TOPIC TAGS: ~~element 104~~, transuranium element, chemical property, nuclear reaction, fission product, isotope separation

ABSTRACT: Chemical identification of the new element 104 has been attempted in a comparative study of the curium, californium, hafnium and new element chlorides. Previously, the 104^{260} isotope was identified by physical means only [G. N. Flerov et al. Atomnaya energiya, 17, 310, 1964]. The authors applied their own method, earlier developed, of a rapid, continuous separation of the elements of the III B and IV B groups of the Periodic Table to a mixture of gaseous chlorides of the elements produced by nuclear reactions. A PuO_2 target was bombarded with Ne^{22} ions in a Y-300 accelerator of the Joint Institute for Nuclear Research. Radioactive isotopes produced were chlorinated by a mixture of $NbCl_5$ and $ZrCl_4$ vapors in the 220—350C range in the chamber of the cyclotron. The curium, californium, and scandium isotope chlorides were adsorbed on the walls of the chamber and in the special filters, while

UDC: 541.9:541.27

Card 1/2

ACC NR: AP6029794

Zr, Hf and 104^{260} isotopes were transported in a stream of nitrogen to a fission event detector. The presence of the 104^{260} isotope was recorded by the detector in the gaseous stream transporting the IV B group element chlorides. A total of 12 atoms of the 104^{260} isotope was recorded during a series of experiments. Recurrence intervals of all 12 spontaneous fission events confirmed the earlier established half-life of the new element (0.3 ± 0.1 sec). Thus, confirmation was obtained of the earlier advanced hypothesis of a sharp difference in the chemical property between the 104 element and transuranium elements which were discovered in the past few years. The atomic number of the new element was determined and the element 104 was shown to be close to hafnium, hence to belong to the IV b group of the Periodic Table of the Elements. Thanks are expressed to G. N. Flerov, Corresponding Member of the Academy of Sciences SSSR.

[JK]

SUB CODE: 07/ SUBM DATE: 18May66/ ORIG REF: 004/ OTH REF: 001 ATD Press 5065

Card 2/2

ZVARSIN, A. A.

Zvarsin, A. A., "A Text-book of Histology", (p. 175) Rev. by A. V. Nemilov

SO: Advances in Contemporary Biology, (Uspekhi Sovremennoi Biologii), Vol. X, No. 1 1939

ZVARYKINA, K.A., mizhhnarodny naystar, chempiyenka SSSR.

Memorable encounters. Rab. i sial 33 no.2:21 F '57. (MIRA 10:3)
(Chess-tournaments)

VEDERNIKOV, V.A.; ZVAYGINA, G.A.

Treatment of dermatomycoses using epilin. Sov.med. 25 no.10:135-136 O '61. (MIRA 15:1)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. V.A.Vedernikov) Arkhangel'skogo meditsinskogo instituta.
(DERMATOMYCOSIS) (FUNGICIDES)

USSR / Fram Animals. General Problems Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21417

Author : Merkur'yeva Ye K., Kudryashov N. V., Zvaygzne G. F., Kuznetsov N. V.

Inst :

Title : The Breeding of Cattle of the Jersey Breed (Razvedeniye krupnogo rogatogo skota dzherzeyskoy porody)

Orig Pub: Zhivotnovodstvo, 1957, No 6, 60-69

Abstract: In order to increase the fat-milk production of East Friesian crossbred cattle by way of interbreeding with sires of the Jersey breed, Jerseys were brought into the USSR in 1955. 110 heifers and 3 young bulls were sent to the state farm "Nekrasovo" in the Ryazan' Oblast. During a period of one year, 105 heifers produced 107 calves which developed well and possessed early sex maturity, a characteristic trait of

Card 1/3

USSR / Farm Animals. General Problems Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21417

Abstract: 28 Jersey cows, the fat content of milk reached 6.8%. The Jersey cattle brought in descended from several inbred lines (III-II and nearer), as well as from inter-line crosses. The Jersey cows, under conditions prevailing in the Ryazan' Oblast, retained the characteristics of their breed, i.e. milk fat production, steadiness of milk yield and early maturity. They developed well.

Card 3/3

ZVARYKINA, K., zasluzhennyy master sporta

She won the first prize in the competition of our best chess players. Rab. i sial. 39 no.5:23 My '63. (MIRA 16:6)

(White Russia—Chess—Tournaments)

ZVEDENIUK, P.

Transport Ukrainy v novoi piatiletke. [Ukrainian transport in the new five-year plan].
Kiev, Ukrpolitizdat, 1947. 76 p. illus.

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

ZVEDER, L.N.; SHCHUKIN, V.N.

Nature of faults in the Daaldnyskii kimberlite region. Geol. i geofiz. no.6:132-134 '60. (MIRA 13:9)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Siberia--Kimberlite)

ZVEDER, L.N.

Diamond prospecting criteria in the inner field of the Irkutsk amphitheater. Geol.i geofiz. no.2:113-115 '62. (MIRA 15:4)

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

ZVEDER, L.N.

Geology of Jurassic sediments in the Chuma-Kova interfluve.
Trudy Inst. zem. kory SO AN SSSR no.15:30-42 '63
(MIRA 17:3)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR.

ZVEDER, L.N.

Connection between the dikes and sills of diabases and some joints systems. Geol.i geofiz. 4:127-128 '62. (MIRA 15:8)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.
(Dikes (Geology)) (Sills (Geology))

ZVEDER, L.N.

Diamond potential of the Jurassic of the southern Angara-Vilyuy trough. Dokl. AN SSSR 151 no.1:158-160 Jl. '63. (MIRA 16:9)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom N.M.Strakhovym.
(Angara Valley--Diamonds) (Vilyuy Valley--Diamonds)

ZVEDER, L.N.

Some features of the paragenetic relations of pyropes and diamonds.
Izv.vost.fil.AN SSSR no.7:22-25 '57. (MIRA 10:10)

1. Vostochno-Sibirskiy filial AN SSSR.
(Diamonds) (Garnets)

ZVEDER, L.N.

Routes of the transportation of and the conditions governing the accumulation of diamonds in the inner field of the Irkutsk amphitheater. Geol. i geofiz. no.12:22-28 '64.

(MIRA 18:6)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

ZVEDER, L.N.

Some features of kimberlite bodies in the northern part of the Siberian Platform. Izv. Sib. otd. AN SSSR no.4:13-18 '58. (MIRA 11:9)

1.Vostochno-Sibirskiy filial AN SSSR.
(Siberia--Kimberlite)

ZVEDER, L.N.

Geology of the Daldyn kimberlite field in the northern Siberian Platform. Trudy IAFAN SSSR. Ser.geol. no.6:18-23 '61. (MIRA 14:9)
(Daldyn Valley--Kimberlite)

ZVEDRIS, L. [Zviedris, L.], deputat Verkhovnogo Soveta Latviyskoy SSR (Riga); SPEKTOR, M. (Riga)

You are taking a rest in the Baltic Sea region. Sov. profsoiuzy 19 no.8:20-21 Ap '63. (MIRA 16:6)

1. Glavnyy vrach sanatoriya "Kemeri" (for Zvedris).
2. Korrespondent "Meditsinskoy gazety" po Pribaltiyskim respublikam (for Spektor).
(Latvia—Health resorts, Watering places, etc.).

ZVEGELJ, F.

Organization of the technical protection of workers. p. 498. (NOVA PROIZVODNJA, Vol. 5, no. 3/4, Sept. 1954. Ljubljana, Yugoslavia)

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

L 09128-67 EWT(m)/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6032617 SOURCE CODE: UR/0126/66/022/003/0380/0391

AUTHOR: Kirenskiy, L. V.; Pyn'ko, V. G.; Sukhanova, R. V.; Sivkov, N. I.; Pyn'ko, G. P.; Edel'man, I. S.; Komalov, A. S.; Kan, S. V.; Syrova, N. I.; Zvegintsev, A. G.

ORG: Institute of Physics SO AN SSSR (Institut fiziki SO AN SSSR); Krasnoyarsk Pedagogical Institute (Krasnoyarskiy pedinstitut)

TITLE: Epitaxial films of iron, nickel and cobalt [report presented at the Conference on Physics of Ferro- and Antiferromagnetism, Sverdlovsk, 5-7 July 1965]

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 3, 1966, 380-391

TOPIC TAGS: magnetic anisotropy, epitaxial growing, hysteresis loop, metal film

ABSTRACT: The authors study the epitaxial growth of iron, nickel and cobalt films thermally vaporized onto ionic crystals split in air and in a vacuum. It is shown that when the substrates are heated in a vacuum of 10^{-4} mm Hg, the surface state is changed with a favorable effect on epitaxy. The phase composition of the film may be controlled by proper selection of the substrate. The fields of anisotropy of the films are measured and the effect which application of a magnetic field during vaporization has on the magnetic anisotropy of the films is studied. The domain structure of the films and its dynamics are analyzed and the results are used as a basis for explaining the shape of hysteresis loops. The coercive force is measured in films of various thickness. It is shown that the coercive force of the films is always much less than the field of anisotropy and is approximately inversely proportional to the saturation magnetization. Orig. art. has: 13 figures, 1 table, 5 formulas.

SUB CODE: 11, 20/ SUBM DATE: 30Jul65/ ORIG REF: 004/ OTH REF: 007

Card 1/1 nst UDC: 539.216.25:538.221

VLASOV, A. Ya.; POPOVA, A.V.; ZVEGINTSEV, A.G.; RODICHEVA, E.K.

Palomagnetic investigation of Devonian sedimentary strata in the central part of Krasnoyarsk Territory. Izv. AN SSSR. Ser. geofiz. no.7:1022-1024 Jl '61. (MIRA 14:6)

1. Akademiya nauk SSSR, Sibirskoye otdeleniye, Institut fiziki.
(Krasnoyarsk Territory--Rocks--Mangetic properties)

25790
S/048/61/025/005/004/024
B104/B201

942200

AUTHORS: Kirenskiy, L. V., Buravikhin, V. A., and Zvegintsev, A.G.

TITLE: Domain structure and coercive force of thin ferromagnetic films

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25, no. 5, 1961, 577-580

TEXT: The present investigation was the subject of a lecture delivered at a symposium on thin ferromagnetic films (Krasnoyarsk, July 4 to 7, 1960). The authors studied the dynamics of the domain structures of ferromagnetic films in a magnetic field and examined the effect of the film thickness upon the dynamics. A relationship was established between the coercive force and the character of this dynamics. The experiments were conducted with iron and cobalt films, and with films of a nickel alloy (80% Ni, 17% Fe, and 3% Mo). The films were prepared by sputtering in vacuum ($8 \cdot 10^{-6}$ mm Hg) onto polished glass. Sputtering took place in a magnetic field (100 oersteds) produced by a pair of Helmholtz coils. The

Card 1/5

Domain structure and coercive ...

direction of the magnetic field was in the film plane. An axis of easiest magnetizing was formed as a result. During production of the films on which the domain structure and the coercive force were studied as functions of thickness, the glass backings were heated to a temperature of 300°C. Other films were sputtered at room temperature. The domains were found to increase with a diminution of the film thickness, and the boundary curvatures to become more pronounced. The structure of the domains is not modified up to a certain critical field strength which is dependent upon the film thickness. In a field above the critical field strength, a magnetization at thicknesses of 800 Å and over causes a displacement of boundaries. New boundaries, being almost perpendicular to the main boundaries, appear in films ranging from 500 to 800 Å on an increase of the field strength beyond the critical one in domains oriented unfavorably with respect to the field direction. This is explained by a formation of "subdomains". No boundary displacements were established in films having thicknesses from 500 to 150 Å. "Subdomains" under equal conditions as above could be observed. Figs. 4 and 5 graphically present the coercive forces of the three film types as functions of their thickness. In Fig. 6, the coercive force for the three film types is shown as a

Card 2/5

function of the temperature of a vacuum anhealing (1 hr) in a magnetic field of 500 oersteds. As results from a discussion of the diagrams, the coercive force attains a maximum if only one domain extends over the film thickness. The diminution of the coercive force with a rise of the annealing temperature is explained by the elimination of internal film stresses which are particularly strong in films produced on unheatdd glass backings. If the direction of the magnetic field in the annealing process does not coincide with that of easiest magnetizing, the latter disappears, and a new direction of easiest magnetizing arises, which coincides with the direction of the magnetic field in the annealing process. There are 6 figures and 10 references: 1 Soviet-bloc and 9 non-Soviet-bloc.

ASSOCIATION: Institut fiziki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Physics of the Siberian Department, Academy of Sciences USSR), Krasnoyarskiy gos. pedagogicheskiy institut (Krasnoyarsk State Pedagogic Institute)

VLASOV, A.Ya.; ZVEGINTSEV, A.G.; BOGDANOV, A.A.

Self-reversal of magnetization in artificial ilmenite-hematite solid solutions. Izv. AN SSSR. Ser.geofiz. no.1:135-140 Ja '63. (MIRA 16:2)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.
(Ilmenite--Magnetic properties)
(Hematite--Magnetic properties)

VLASOV, A.Ya.; ZVEGINTSEV, A.G.

Temperature lag of magnetized magnetite. Izv. AN SSSR. Ser. geofiz. no.8:1230-1233 Ag '63. (MIRA 16:9)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR. Predstavleno chlenom redaktsionnoy kollegii Izvestiy AN SSSR, Seriya geofizicheskaya, B.M.Yanovskim.

(Magnetite—Thermal properties)

VLASOV, A.Ya.; BOGDANOV, A.A.; ZVEGINTSEV, A.G.

Temperature changes in the magnetic properties of natural hematites.
Izv. AN SSSR. Ser.geofiz. no.2:324-328 F '63. (MIRA 16:3)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.
(Hematite—Magnetic properties)

VLASOV, A.Ya.; ZVEGINTSEV, A.G.

Phenomena of thermal hysteresis in magnetite. Izv.Sib.otd.AN SSSR no.1:89-92 '62. (MIRA 15:3)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk.
(Magnetite--Thermal properties) (Hysteresis)

VLASOV, A. Ya.; ZVEGINTSEV, A. G.; PAVLOV, V. F.

Self-reversal of the magnetization of artificial precipitation. Izv. AN SSSR. Ser. geofiz. no. 4:556-561 Ap '64. (MIRA 17:5)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.

VLASOV, A.Ya.; ZVEGINTSEV, A.G.

Stability of thermoremanent magnetization of magnetite to a simultaneous effect of temperature and a reversed magnetic field. Izv. AN SSSR. Ser. geofiz. no.10:1522-1524 O '61. (MIRA 14:9)

1. AN SSSR, Sibirskoye otdeleniye, Institut fiziki.
(Magnetite)

KIRENSKIY, L.V.; BURAVIKHIN, V.A.; ZVEGINTSEV, A.G.

Domain structure and coercive force of thin ferromagnetic films. Izv.AN SSSR.Ser.fiz. 25 no.5:577-580 My '61. (MIRA 14:5)

1. Institut fiziki Sibirskogo otdeleniya Akademii nauk SSSR i Krasnoyarskiy gosudarstvennyy pedagogicheskiy institut.
(Metallic films--Magnetic properties) (Magnetooptics)

ZVEGINTSEV, D.I., inzh.

Protective booths for blasting operations to be carried out in housing development areas. Stroi. i dor. mash. 9 no.1:19-20 Ja '64. (MIRA 18:7)

ZVEGINTSEV, D.I., inzh.

Borer cutting tool designed for boring frozen ground. Stroi. i dor. mash. 9 no.2:23 F '64. (MIRA 18:7)

BRODSKIY, A.Ya., kand.tekhn.nauk; ZYKOLIITSEV, N.B., insh., nauchnyy red.
SKVORTSOVA, I.P., red. izd-va.; TOKER, A.N., tekhn.red.

[Electric arc and electric slag butt welding of concrete reinforcements] Elektrodugovaia i elektroshlakovaia svarka stykov armatury zhelezobetona. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 140 p. (MIRA 11:8)
(Electric welding)

ZVEGINTSEV,S.K.; ZAKS,I.A.

Electrode test plate material, according to the All-Union State Standard 2523-51. Svar.proizv. no.10:29-30 O'55. (MLRA 8:12)

1. Leningradskiy Kirovskiy zavod
(Electrodes--Standards)

ZVEGINTSEV, S.K., inzhener

Welding 30KhMA and 40Kh steel in large rigid profile joints. Svar. proizv. no.1:28-31 Ja '55. (MLRA 8:9)
(Steel, Structural--Welding)

SUBJECT: USSR/Welding 135-2-6/12

AUTHORS: Antonova, V. F., Engineer, Zaks, I.S., Engineer, and Zvegintsev, S.K., Engineer.

TITLE: Properties of metal coating made with electrodes ЦН-2 and ЦН-3. (Issledovaniya svoystv metalla, naplavlennogo elektrodami ЦН-2 i ЦН-3).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, No 2, pp 18-21 (USSR)

ABSTRACT: The experiments described in the article had the purpose of finding a replacement for the scarce and costly cobalt used to coat sealing surfaces of valves and other steam turbine and boiler parts, where the service conditions require extremely high resistance to corrosion and erosion, and hardness in temperatures over 500°C.

The ЦНИИТМАШ(TsNIITMASH), and specifically V.A. Lapidus, Candidate of Technical Sciences, developed a new electrode - the ЦН-3 - and recommended it as fully replacing the ЦН-2 (containing cobalt). Up to now, sealing surface coating which most closely corresponds to technical conditions is obtained with cobalt-containing "stellite B-3K." The recom-

Card 1/4

TITLE: Properties of metal coating made with electrodes ЦН-2 and ЦН-3. (Issledovaniya svoystv metalla, naplavlennogo elektrodami ЦН-2 i ЦН-3). 135-2-6/12

mended electrode composition (in %) is: for ЦН-2 (with rod ВЗК-ЦЭ): 1.7-2.1 C, 2.0-2.5 Si, 28-32 Cr, 59-65 Co, 4-5 W, remainder Fe; for ЦН-2 (with rod ВЗК): 1.0-1.5 C, ≤ 2.75 Si, 28-32 Cr, ≤2.0 Ni, 58-62 Co, 4-5 W, 2.0 Fe; for ЦН-3 (with rod ОХ18Н9): ≤ 0.06 C, 0.5-1.0 Si, 1.0-2.0 Mn, 18-20 Cr, 8-10 Ni, remainder Fe. The recommended electrode coatings are as follows:

Components	ГОСТ No.	content, in %, in ЦН-2 (ВЗК-ЦЭ)	ЦН-2 (ВЗК)	ЦН-3 (ОХ18Н9)
Marble	4416-48	54.0	46.0	15.0
Feldspar	4421-48	32.0	30.0	9.0
Aluminum ПАП-1	4135-48	12.0	12.0	-
Graphite	5279-50	2.0	12.0	5.0
Ferromanganese МН-1	4755-49	-	-	2.0
Ferrochrome Ф-2	4757-49	-	-	69.0
Water glass, in % weight of dry Compound.....	4419-48	30.0	30.0	20-30

Card 2/4

TITLE: Properties of metal coating made with electrodes ЦН-2 and ЦН-3. (Issledovaniya svoystv metalla, naplavlennogo elektrodami ЦН-2 i ЦН-3). 135-2-6/12

Relation of coating weight to rod weight.....	ГОСТ №	ЦН-2 (Э3К-Ц3)	ЦН-2 (Э3К)	ЦН-3 (Э1Х18Н9)
	-	25-30	25-30	115-120

The recommended new electrode grade has been tested at the authors' plant (testing technology is given in detail). The criticism of the first consignment was: the actual chemical composition of the coating made with the new electrodes not in one single case corresponded to the TsNIITMASH'ES specifications (for instance: carbon 3.4 % instead of 1.7-2 %; the bottom content limit of chrome in one-layer deposit - 23% instead of 28 %, etc); the electrode coating which had been applied by pressure - cracked or slid off from some rods even at slight heat.

It was concluded that electrode ЦН-3 is no substitute for ЦН-2. The metal deposited by this electrode is an alloy of the sormite type; satisfactory micro-structure and density of weld metal is only possible in one-layer deposit and only at a definite speed of crystallization; the multi-layer deposits form very coarse, brittle carbides of chrome which break out

Card 3/4

TITLE: Properties of metal coating made with electrodes ЦН -2 and ЦН -3. (Issledovaniya svoystv metalla, naplavlennogo elektrodami ЦН-2 i ЦН -3). 135-2-6/12

in grinding, the multi-layer coatings are also not sufficiently dense; their tensile strength in static bending tests is 2.5 times lower than of the deposit made by stellite ЦН -2. Experience with electrodes ЦН -2 / ВЗК - Ц3 shows that this grade is satisfactory, and is to be recommended in arc-welding but not in gas-welding. The plant "Znamya Truda" has very good results in arc-welding with this grade.

There are 5 tables, 2 photographs, 7 micro-photographs. The article contains 3 references (all Russian).

INSTITUTION: Kirovskiy plant (Kirovskiy zavod).

PRESENTED BY:

SUBMITTED:

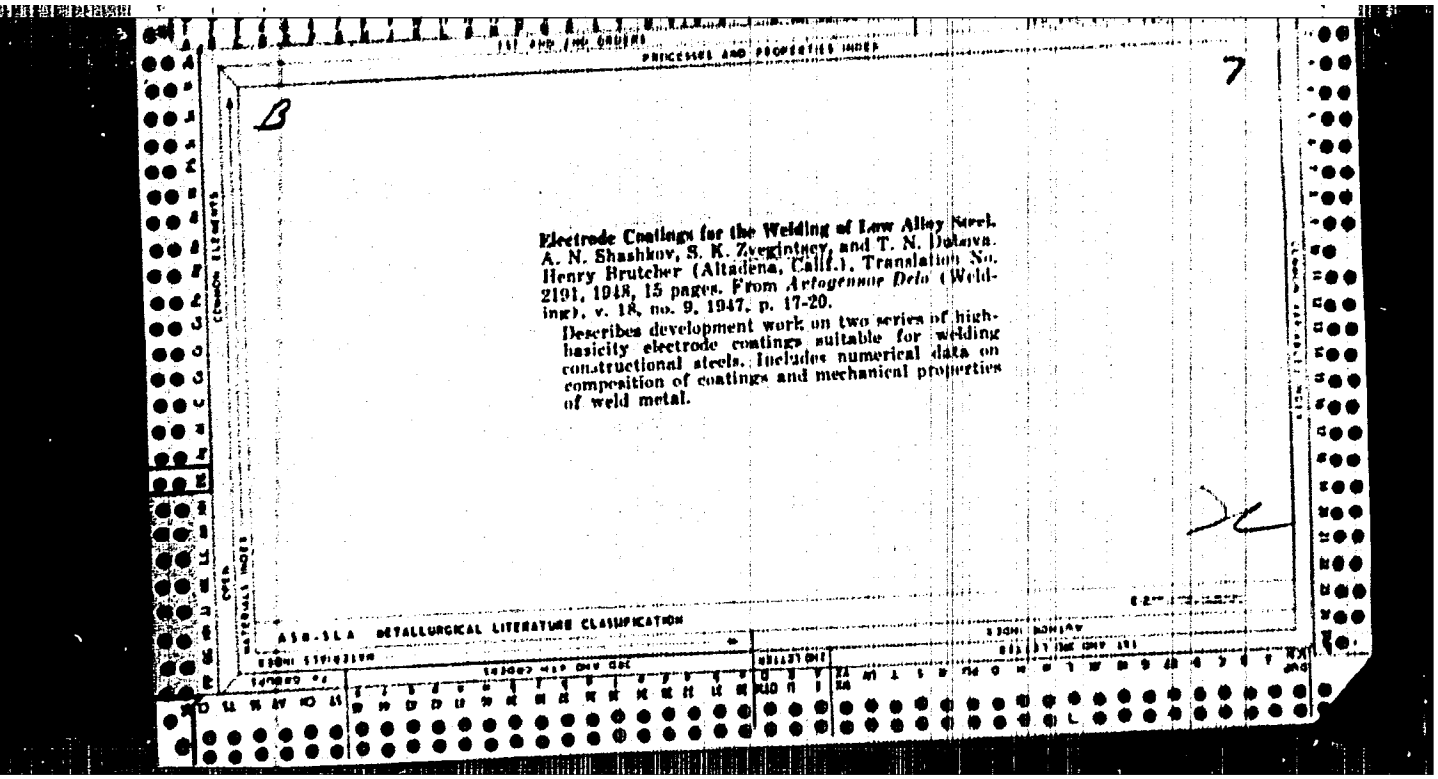
AVAILABLE: At the Library of Congress

Card 4/4

ZVEGINTSEV, S.K.

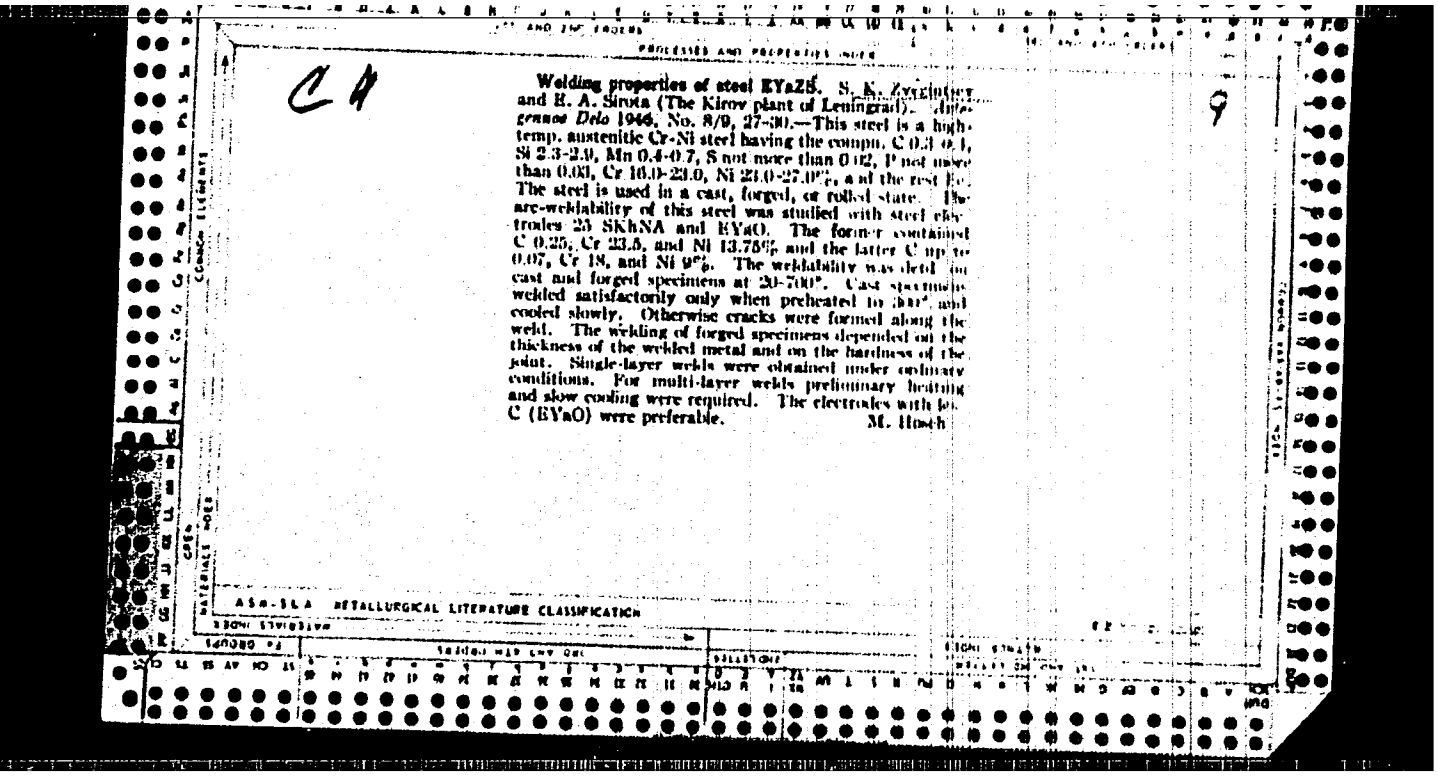
DREYZENSHTOK, Z.B.; ZVEGINTSEV, S.K., inzhener, retsenzent; DEMYANTSEVICH, V.P., kandidat tekhnicheskikh nauk, redaktor

[Welding ship pipeline systems] Svarka sudovykh truboprovodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 47 p. [Microfilm] (MLRA 7:10)
(Marine pipe fitting) (Welding)



Electrode Coatings for the Welding of Low Alloy Steel. A. N. Shashkov, S. K. Zvegintsev, and T. N. Dolgova. Henry Brutcher (Altadena, Calif.). Translation No. 2191, 1948, 15 pages. From *Avtogennoe Delo* (Welding), v. 18, no. 9, 1947, p. 17-20.

Describes development work on two series of high-basicity electrode coatings suitable for welding constructional steels. Includes numerical data on composition of coatings and mechanical properties of weld metal.



C 4

Welding properties of steel EYa2S. S. K. Zvezintsev and E. A. Sirota (The Kirov plant of Leningrad). *Avtogennoe Delo* 1946, No. 8/9, 27–30.—This steel is a high-temp. austenitic Cr-Ni steel having the compn. C 0.3–0.4, Si 2.3–2.9, Mn 0.4–0.7, S not more than 0.02, P not more than 0.03, Cr 16.0–23.0, Ni 21.0–27.0%, and the rest Fe. The steel is used in a cast, forged, or rolled state. The arc-weldability of this steel was studied with steel electrodes 25 SKhNA and EYaO. The former contained C 0.25, Cr 23.5, and Ni 13.75%; and the latter C up to 0.07, Cr 18, and Ni 9%. The weldability was detd. on cast and forged specimens at 20–700°. Cast specimens welded satisfactorily only when preheated to 300° and cooled slowly. Otherwise cracks were formed along the weld. The welding of forged specimens depended on the thickness of the welded metal and on the hardness of the joint. Single-layer welds were obtained under ordinary conditions. For multi-layer welds preliminary heating and slow cooling were required. The electrodes with lo. C (EYaO) were preferable.

M. Hosch

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZVEGINTSEV, S. K.

TESTING OF ALLOY STEELS FOR TENDENCY TO DEVELOP CRACKS IN WELDING. S.K. Zvegintsev. (Vestnik Metalloprom'shlennosti, 1940, No. 7, pp. 67-71). (In Russian). Short single beads were deposited on steel plates under different conditions of cooling and rigidity and were then examined for cracks. The rate of cooling was varied by using plates of different thickness and by water-cooling. Rigidity was obtained by machining a circular depression in the metal plate, the unreduced thickness of the metal around the depression ensuring rigidity. The bead was deposited on the bottom of the depression. In another test the weld metal was deposited in a V-shaped slot, 50 mm. long, cut in the middle of a steel plate. Observations made in such tests on low-alloy and carbon steels are described.

Immediate source clipping

ZVEGINTSEV, S. K.

USSR/Metals - Welding Aug 50

"Electrodes for Welding Structural Steels," Engineers S. K. Zvegintsev, E. A. Sirota

"Avtogen Delo" No 8, pp 25-27

Describes electrodes used in welding structural low-alloy steels, giving chemical composition and mechanical properties of welded joints made with these electrodes. Main feature of electrodes is application of basic type coatings, utilizing marble and fluorspar as slag-forming agent. These coatings differ mainly in ferroalloy content. Introduction of ferroalloys

FDD 16TT73

USSR/Metals - Welding (Contd) Aug 50

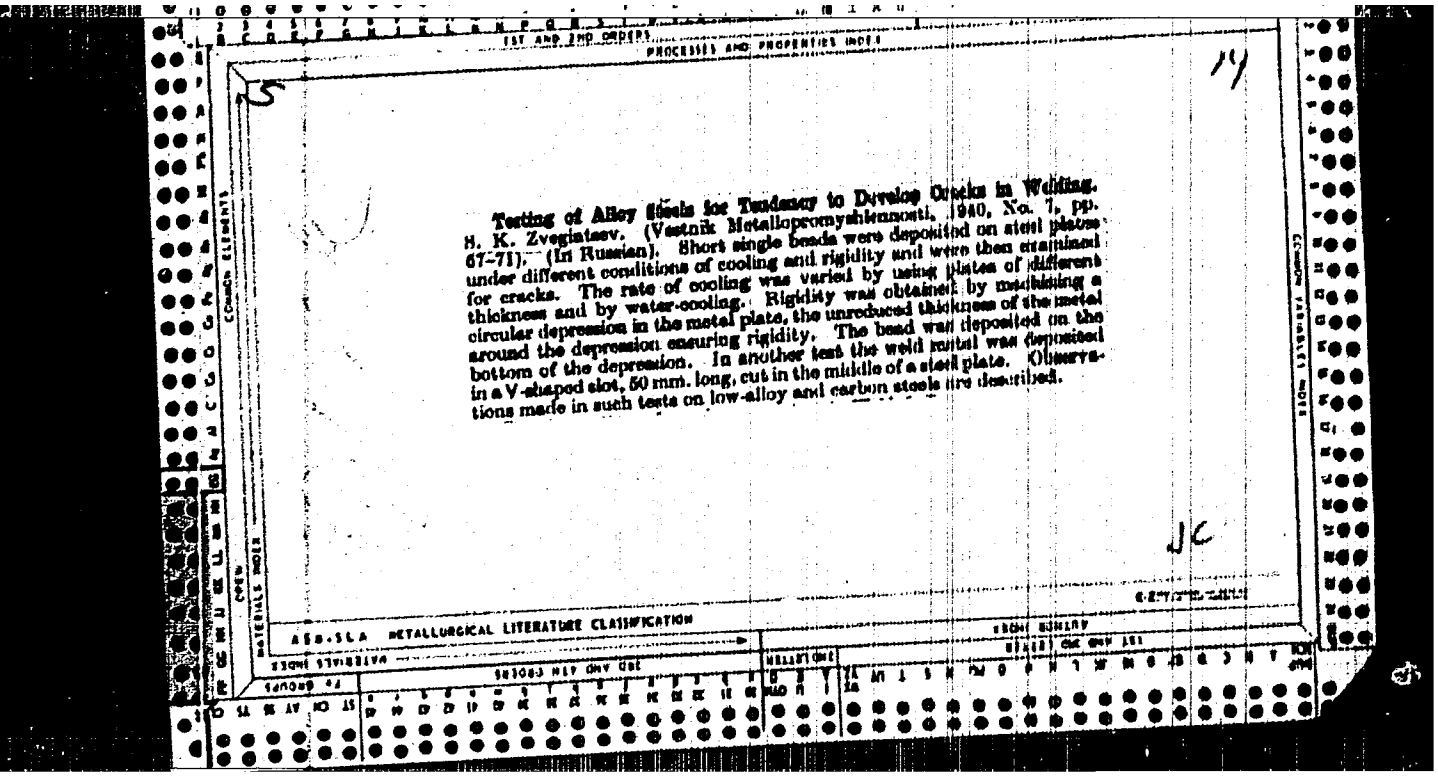
results in good deoxidation of welded metal. This coating allows reduction of impurities (sulfur, phosphorus).

FDD 16TT73

The influence of heat treatment on the structure and mechanical properties of weld seams. S. K. Zyuzin[illegible]. *Vestnik Metalloprom.* 15, No. 11, 181-[illegible]; No. 12, 121-31(1935); *Chem. Zentr.* 1937, I, 1512; cf. *C. A.* 29, 6559[illegible], and preceding abstr.—Seams welded with the use of welding electrodes of the Leningrad Institute for Metals (LIM) were tested. These electrodes possess a heavy covering and are useful for welding C steels with a max. of 0.25% C. The effects of annealing the welds at 650° with subsequent furnace or air-cooling, of heating at 920°, of annealing with subsequent quenching in water from 600° and of an aging of the welded zone at 175-[illegible]° were studied. The influence of 1-4.6% Ni and 0.4-1.45% Mn in the welding electrodes on the mech. properties of the weld seams after heat-treatment was detd. By annealing at 660° only the proportionality limit was reduced by 16-17%; the other mech. properties remained unchanged. By annealing at 920° the proportionality limit is likewise reduced (31-3%) and the tensile strength reduced by 9%. At the same time the resistance to shock is reduced from 11 kg./sq. cm. before welding to 1.7-2.3 kg./sq. cm. after welding and heat-treatment as the result of the formation of Fe nitride needles and the sepn. of free carbide. The results of these investigations together with the expts. on aging, lead to the conclusion that the ferrite in the weld seam is to be regarded as a solid soln. of up to 0.039% N_2 and up to 0.07% C in α-Fe. Increasing the Mn content of the electrodes up to 1.45% does not prevent the abrupt decrease in the resistance to shock after annealing. Increasing the Ni content of the electrodes improves the resistance to shock of the welded specimens as compared to specimens welded with Ni-free electrodes. Equally good results are obtained with 1-2% Ni in the electrodes as with 4.6%.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE



Testing of Alloy Steels for Tendency to Develop Cracks in Welding. N. K. Zvegintsev. (Vestnik Metallopromyshlennosti, 1940, No. 7, pp. 67-71). (In Russian). Short single beads were deposited on steel plates under different conditions of cooling and rigidity and were then examined for cracks. The rate of cooling was varied by using plates of different thickness and by water-cooling. Rigidity was obtained by machining a circular depression in the metal plate, the unreduced thickness of the metal around the depression ensuring rigidity. The bead was deposited on the bottom of the depression. In another test the weld metal was deposited in a V-shaped slot, 50 mm. long, cut in the middle of a steel plate. Observations made in such tests on low-alloy and carbon steels are described.

ZVEGINTSEV, S.K.

137-58-5-9925

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 150 (USSR)

AUTHORS: Zvegintsev, S.K., Mart'yanov, G.I.

TITLE: Welding in the Machinery Plants of Leningrad (Svarochnoye proizvodstvo na leningradskikh mashinostroitel'nykh zavodakh)

PERIODICAL: V sb.: Svarochnoye proiz-vo, Leningrad, Lenizdat, 1957, pp 161-176

ABSTRACT: A description is offered of the state of the welding art at Leningrad plants making power equipment. The accomplishments of the machinery builders of Leningrad in the field of welding technique are presented.

B.V.

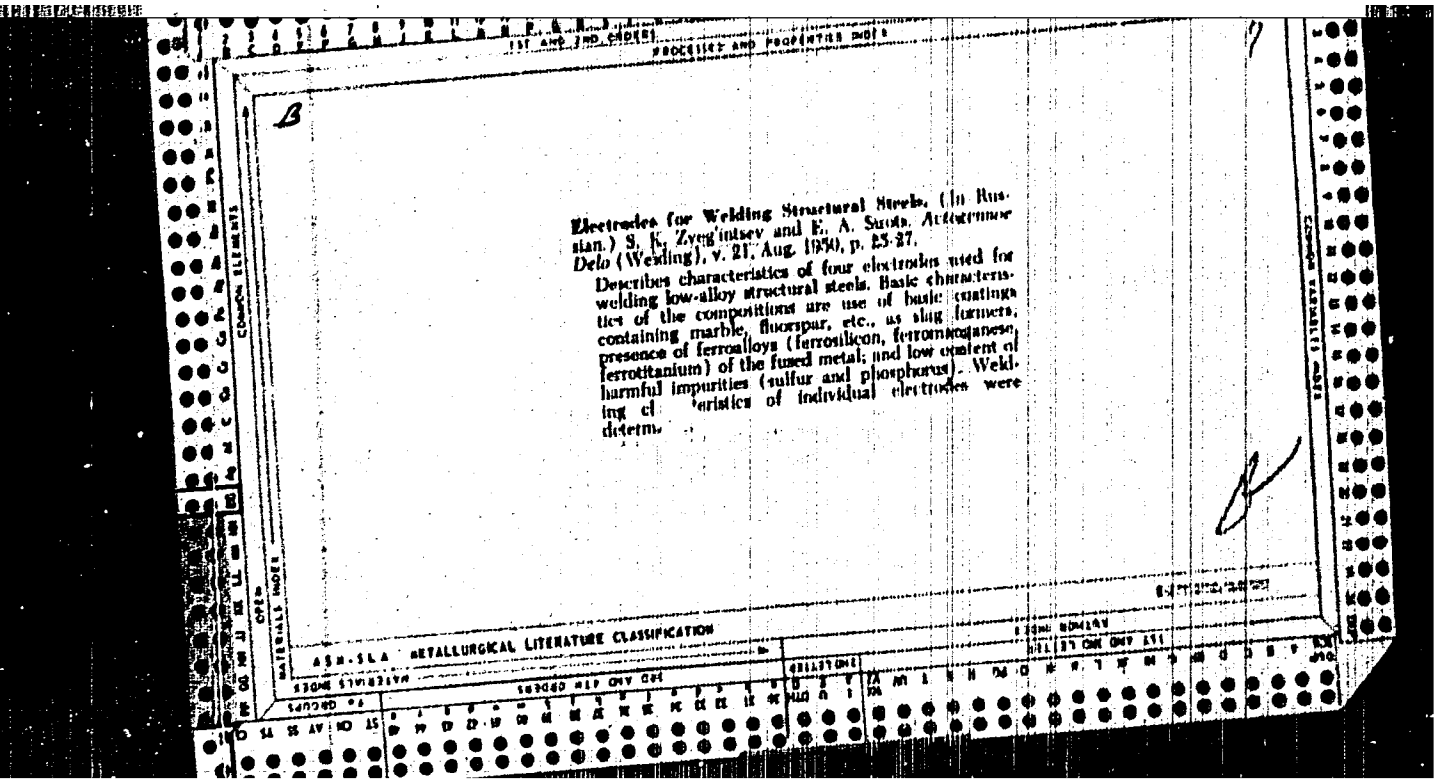
1. Industrial plants--USSR 2. Welding--Applications

Card 1/1

ZAKS, I.A., inzhener; ZVEGINTSEV, S.K., inzhener; IL'INA, R.N., inzhener; KHINSKIY, P.D., kandidat tekhnicheskikh nauk.

Brittle breaking of 1Kh1Z steel during soldering.
Energomashinostroenie no.9:15-19 S '56. (MLRA 9:10)

(Solder and soldering) (Steel--Brittleness)



Electrodes for Welding Structural Steels. (In Russian.) S. K. Zveg'intsev and E. A. Sarods. Avtogennoe Delo (Welding), v. 21, Aug. 1950, p. 25-37.

Describes characteristics of four electrodes used for welding low-alloy structural steels. Basic characteristics of the compositions are use of basic coatings containing marble, fluorspar, etc., as slag formers, presence of ferroalloys (ferrosilicon, ferromanganese, ferrotitanium) of the fused metal; and low content of harmful impurities (sulfur and phosphorus). Welding characteristics of individual electrodes were determ...

ZVEGINTSEV, S. K.

BONDIN, Ivan Nikolayevich; OKERBLOM, N.O., prof., red.; ZVEGINTSEV, S.K., inzh., retsenzent; SIMONOVSKIY, M.Z., red.izd-va; SHCHETININA, L.V., tekhn.red.

[A welder's handbook] Spravochnik svarshchika. Pod red. N.O. Okerbloma. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 268 p. (MIRA 13:3)
(Welding)

ZVEGINTSEV, V. A.

"Meaning as a fact of 'langue' and 'parole' "
Report to be submitted for the 9th international Congress of Linguists,
Permanent International Committee of Linguistics, Cambridge Mass.27-31 Aug 62

ZVEGINTSEV, Valdimir Andreyevich, prof.

Mathematics and languages. Tekh.mol. no.1:10-12 '61. (MIRA 14:3)

1. Zaveduyushchiy kafedroy obshchego i sravnitel'no-istoricheskogo yazykoznaniya filologicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(Language and languages) (Cybernetics)

Name	ZVEGINTSEV, Vladimir Andreyevich
Dissertation	On Principles of Semasiological Research
Degree	Doc Philological Sci
Affiliation	/not indicated/
Defense Date, Place	27 Sep 54, Council of Moscow Order of Lenin and Order of Labor Red Banner State U imeni Lomonosov
Certification Date	15 Dec 56
Source	BMVO 7/57

DAVANKOV, A.B.; ZUBAKOVA, L.B.; ZVEGINTSEVA, G.B.

Complex formation with phenols and absorptive capacity of high molecular weight derivatives of pyridine. Zhur.prikl. khim. 35 no.5:1133-1135 My '62. (MIRA 15:5)
(Pyridine) (Phenols)
(Ion exchange resins)

ZVEGINTSEVA, G.B.; GINZBURG, B.G.; KORCHILOVA, Ye.Ya.; DAVYDOVA, Z.I.; DAVANKOV, A.B.; ZUBAKOVA, L.B.

Recovery of phenol from sulfate liquor wastes of a phenol sulfonation plant by means of pyridine-containing anion exchangers. Zhur. prikl. khim. 38 no.5:1102-1105 My '65. (MIRA 18:11)

ZVEGINTSEVA, K.V

POPLAVKO, Mikhail Vasil'yevich; MANUYLOV, Nikolay Nikolayevich; GRUZDEVA, Larisa Alekseyevna; ZVEGINTSEVA, K.V., red.; GAZMASH, L.M., otv. za vypusk; SUKHAREVA, R.A., tekhn.red.

[Welding of titanium] Svarka titana. Moskva, Mosk.dom nauchno-tekhn.propagandy im.F.E.Dzerzhinskogo, 1958. 37 p. (Peredovoi opyt proizvodstva. Ser."Tekhnologiia mashinostroeniia," no.29. Svarka, paika i metallizatsiia) (MIRA 13:1)
(Titanium--Welding)

GROKHOL'SKIY, Nikolay Fedorovich; ZVEGINTSEVA, K.V., inzh., red.; STEPANCHENKO, N.S., red.izd-va; MODEL', B.I., tekhn.red.

[Manual three-phase arc welding] Ruchnaia svarka trekhfaznoi dugoi. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1959. 98 p. (MIRA 12:6)
(Electric welding)

YELISTRATOV, Petr Savel'yevich; ZVEGINTSEVA, K.V., inzh., red.; STEPANCHENKO, N.S., red.izd-va; EL'KIND, V.D., tekhn.red.

[Welding properties of cast iron] Svarochnye svoistva chuguna. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 145 p. (MIRA 12:9)
(Cast iron--Welding)

BRODSKIY, A.Ya.; ZVEGINTSEVA, K.V., inzh., red.; GRUSHEVSKAYA, G.M., red.izd-va; POPOVA, S.M., tekhn.red.

[Argon arc welding with a tungsten electrode] Argono-dugovaia svarka vol'framovym elektrodom. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1956. 395 p. (MIRA 12:4)
(Electric welding)

KAKHOVSKIY, Nikolay Ivanovich, kand. tekhn. nauk; GOTAL'SKIY, Yuzef Nikolayevich, kand. tekhn. nauk; PATON, Vladimir Yevgen'yevich, kand. tekhn. nauk; TRUSHCHENKO, Anton Antonovich, inzh.; ZVEGINTSEVA, K.V., nauchn. red.; GORYUNOVA, L.K., red.; NESMYSLOVA, L.M., tekhn.red.

[Technology of mechanized arc and electric slag welding] Tekhnologiia mekhanizirovannoi dugovoi i elektroshlakovoi svarki. [By] N.I.Kakhovskii i dr. Moskva, Proftekhizdat, 1963. 383 p. (MIRA 17:1)
(Electric welding--Equipment and supplies)

CHERNYAK, Viktor Samuilovich; VOSHCHANOV, Konstantin Pavlovich; ZVEGINTSEVA, K.V., nauchnyy red.; KOLOSOV, V.N., red.; NESMYSLOVA, L.M., tekhn. red.

[A young welder's manual] Spravochnik molodogo svarshchika. Izd.3., perer. i dop. Moskva, Proftekhizdat, 1963. 527 p. (MIRA 16:7)

(Welding--Handbooks, manuals, etc.)

FAYERMAN, Aron Iudovich; ZVEGINTSEVA, K.V., inzh., retsenzent; BREYTMAN, M.M., nauchn. red.; IONOV, V.N., red.

[Economics and the organization of welding production] Ekonomika i organizatsiia svarochnogo proizvodstva. Moskva, Vysshaia shkola, 1965. 98 p. (MIRA 18:7)

ZVEGINTSEVA, K.V., inzh.

Scientific Technological Conference on the quality control of welding in railroad transportations. Svar. proizv. no.8:44-45 Ag '61. (MIRA 14:8)

(Welding—Congresses)

CHERNYAK, Viktor Samuylovich, inzh.; VOSHCHANOV, Konstantin Pavlovich, inzh.; ZVEGINTSEVA, K.V., nauchnyy red.; BASHKOVICH, A.L., red.; PROKOF'YEVA, L.G., red.; PEREDERIY, S.P., tekhn. red.

[Young welder's handbook] Spravochnik molodogo svarshchika. Izd.2., perer. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 656 p. (MIRA 14:8)

(Welding)

BOREVICH, V.A., inzh.; ZVEGINTSEVA, K.V., inzh.; MOROZ, K.S., inzh.

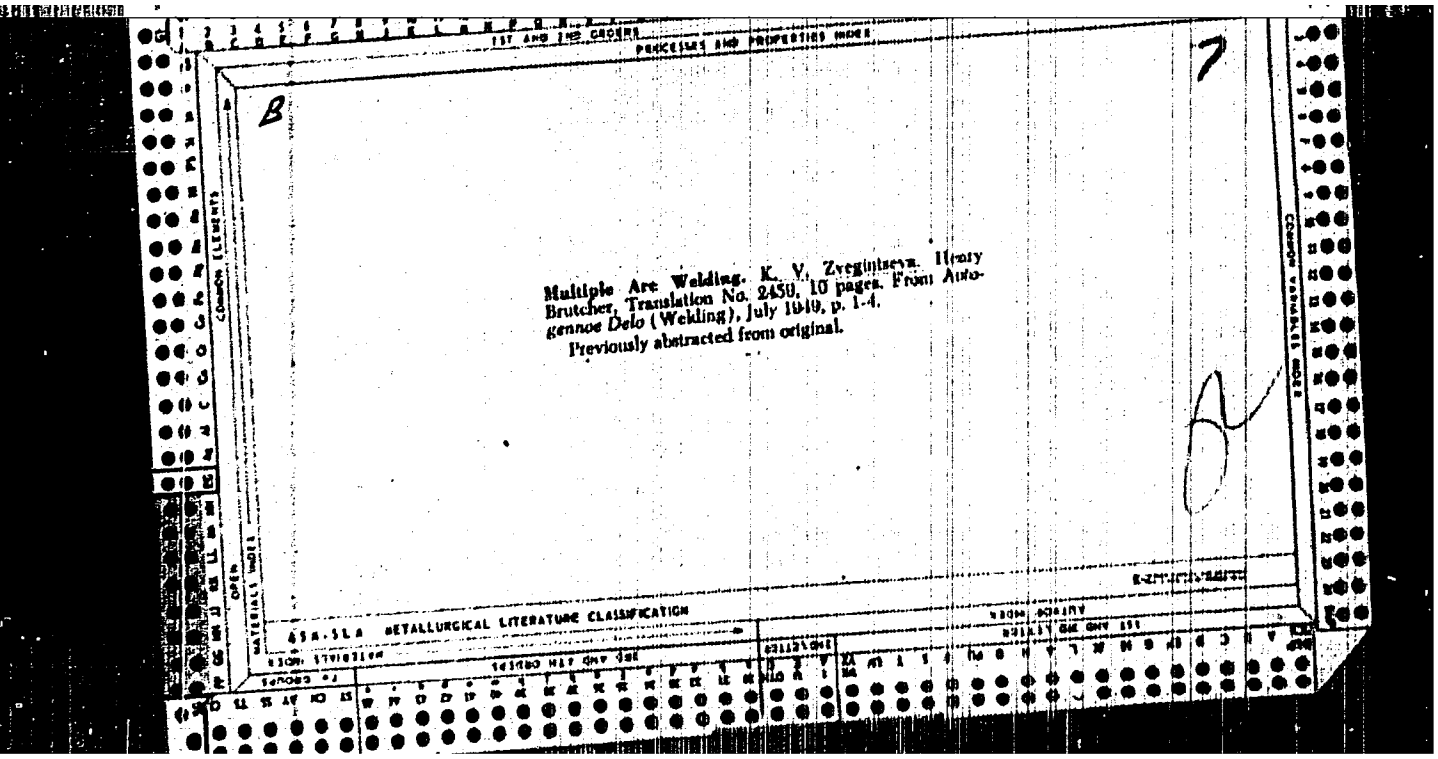
Organization of model production welding at the "Compressor" Plant. Svar. proizv. no.2:20-23 F '61. (MIRA 14:1)

1. Zavod "Kompressor," Moskva (for Borevich). 2. Vsesoyuznyy proyektno-tekhnologicheskiy institut tyazhelogo mashinostroyeniya Mosgorsovnarkhoza (for Moroz).
(Moscow—Refrigeration and refrigerating machinery) (Welding)

POPEKHIN, M.M., inzh.; ZVEGINTSEVA, K.V., inzh.

Greater use of welding in enterprises under the Moscow City Economic Council. Svar. proizv. no.10:42-44 O '61. (MIRA 14:9)

(Moscow--Welding)



Multiple Arc Welding. K. V. Zvegintseva. Henry Brutcher, Translation No. 2450, 10 pages. From Avtogennoe Delo (Welding), July 1949, p. 1-4.

Previously abstracted from original.

GERASIMENKO, Ivan Nikolayevich, kand. tekhn. nauk; TIMOFEYEV, M.M., kand. tekhn. nauk, retsenzent; ZVEGINTSEVA, K.V., inzh., red.; SIROTIN, A.I., red. izd-va; DEMKINA, N.F., tekhn. red.

[Welding two-layer steel with a protective chromium layer] Svarka dvukhsloinoi stali s khromistym zashchitnym sloem. Moskva, Mashgiz, 1962. 90 p. (MIRA 15:7)
(Laminated metals--Welding)

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[Welding operations in building]Svarochnye raboty v stroitel'stve. Moskva,Gosstroiizdat,1962. 783 p. (MIRA 15:6)
(Welding--Handbooks, manuals, etc.) (Building)

S/135/61/000/008/011/011
A006/A101

AUTHOR: Zvegintseva, K.V., Engineer

TITLE: The Scientific-technical Conference on quality control of welding in railroad transportation

PERIODICAL: Svarochnoye proizvodstvo, no. 8, 1961, 44 - 45

TEXT: A scientific-technical Conference on the quality control of welded joints and built-up parts in railroad transportation was organized from April 7 to 10, 1961 in Leningrad. The Conference was convened by the scientific-technical Council of Ministers of Means of Communication of USSR, the coordination council on welding at the Institute of Electric Welding imeni Ye.O. Paton and the Scientific Research Institute of Bridges at the Leningrad Institute of Railroad Transportation Engineering. The Conference heard over 20 reports, including that by: A.K. Gurvich, Scientific Research Institute of Bridges, on ultrasonic quality control of weld joints and development of methods and equipment for manual and automatic control; L.I. Perlis, (Scientific Research Institute of Bridges) on the effect of defects in weld seams on vibration strength of welded joints; M.Ya. Dankov and L.M. Korneyev on ultrasonic inspection in the manufacture of

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bridge spans at the Yaroslav and Voronezh bridge plants; G.Z. Zvyagin on ultrasonic quality control of welded rail butts on a rail-welding train; I.V. Vologdin, Trust 103 of "Glavleningradstroy", on quality control of weld joints using new radioactive isotopes; A.A. Arkhangel'skiy, LIIZhT, on the use of scintillation counters in gamma flaw detection of weld joints at an inspection speed of up to 1 cm/sec; Ye.A. Greyl', TsNII MPS, on causes of break of welded rail butts; Doctor-Engineer A.V. Fabishevskiy (Poland) on the evaluation of welding defects, revealed by flaw detection; on the performance of welded structures; V.A. Tsechal', Institute of Electric Welding imeni Ye.O. Paton, on ultrasonic flaw detection for investigating the development of cracks in butt welds during fatigue tests; I.Z. Genkin, Experimental Welding Plant of Mosgorsovnarkhoz, on the causes of failure from fatigue stresses of rail butt welds and technological recommendations for preparing the butts for welding; A.K. Gurvich on the work of the Insitute of Bridges on automated quality control of rails; Ye.S. Lev, LIIVT, on the comparative evaluation of different methods of quality control. The Conference decided the introduction of advanced control methods in railroad transportation, expanded use of ultrasonic flaw detection and automated control methods. From April 11 - 15, 1961, a Conference took place in Leningrad on non-destructive

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control methods in the industry. The Conference heard over 80 reports on the following subjects: automated control and general problems of flaw detection (5 reports); X-ray and gamma control (13 reports); magnetic control methods (23 reports) luminescent and colored control methods (4 reports) and ultrasonic control (39 reports).

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A006/A101

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AUTHORS: Popekhin, M. M., Zvegintseva, K. V., Engineers

TITLE: Development of welding in the Mosgorsovnarkhoz

PERIODICAL: Svarochnoye proizvodstvo, no. 10, 1961, 43

TEXT: The article includes information on the development and assimilation of new basic and accessory welding equipment and new advanced welding methods. At the Moscow Pipe Plant, for instance, a machine became operative for the welding of pipes by radiofrequency currents. On this machine 300,000 m of pipes, 16 mm in diameter and with 1.5 mm thick walls have already been produced from carbon steel. The welding speed attains 45 - 60 m/min. In the near future a large mill will be put into operation for welding stainless steel pipes of 25 - 102 mm in diameter and with up to 4 mm thick walls; the welding speed will be 25 - 30 m per minute, against 0.6 - 1.0 m/min attained by argon-arc welding. The afore-mentioned work is carried out in cooperation with NIITVCh imeni V. P. Vologdin. Together with NIAT an automatic welding torch was designed for welding titanium pipes. A trial batch has already been welded and the industrial output

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of welded pipes will be started; replacing pressed pipes of 25 - 76 mm in diameter and with 1 - 2 mm thick walls. The welding of titanium pipes is performed in an argon-filled semi-hermetical chamber.

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