

ALEKSEYEV, A. (Smolensk)

A beacon. Mest.prom,i khud.promys. 3 no.4:16 Ap '62.
(MIRA 15:5)

(Smolensk--Furniture industry--Labor productivity)

CHUMAKOV, N.; ALEKSANDROV, M.; ALEKSEYEV, A.

Provisions of the all-Union contest for the best suggestion for
saving electric and heat power. Prom. energ. 13 no.5:34-35 My '58.
(MIRA 11:8)

1. Nachal'nik Gosudarstvennoy inspeksii po promenergetike i energonadzoru Ministerstva elektrostantsiy (for Chumakov).
 2. Predsedatel' Tsentral'nogo Komiteta Soyuza rabochikh elektrostantsiy i elektropromyshlennosti (for Aleksandrov).
 3. Predsedatel' Tsentral'nogo pravleniay nauchno-tekhnicheskogo otdela energeticheskoy promyshlennosti (for Alekseyev).
- (Power engineering--Competitions)

ALEKSEYEV, A., kand.ekonom.nauk; KUVARIN, V.

Socialism is winning the economic competition between the two systems.
Komm. Voorush. Sil 3 no.2:8-15 Ja '63. (MIRA 16:2)
(Competition, International)

ALEKSEYEV, A.; MOSKALENKO, V.

"Criticism of bourgeois theories on the Soviet planned economy"
V.G.Smolianskii. Reviewed by A.Alekseev, V.Moskalenko. Vop. ekon.
no.2:105-107 F '63. (MIRA 16:3)
(Russia—Economic policy) (Smolianskii, V.G.)

ALEKSEYEV, A., kand.geograf.nauk, nauchnyy sotrudnik

Outstanding navigator. Mor. flot. 24 no.12:41 D '64.

(MIRA 18:8)

1. AN SSSR.

ALEKSEYEV, A.; MOSKALENKO, F.

Modernizing the trolley arresting mechanisms of grabbing cranes.
Rech. transp. 21 no.8:17-18 Ag '62. (MIRA 18:9)

1. Glavnyy inzh. Rostovskogo porta (for Alekseyev). 2. Nachal'nik
remontnykh masterskikh Rostovskogo porta (for Moskalenko).

E 42075-66

ACC NR: AP5024277

SOURCE CODE: UR/0317/65/000/007/0010/0017

AUTHOR: Alekseyev, A. (Engineer; Colonel)

ORG: None

TITLE: Soviet field engine-generator sets and power plants

SOURCE: Tekhnika i vooruzheniye, no. 7, 1965, 10-17

TOPIC TAGS: electric power plant, lightweight power source, power plant component, diesel engine, gasoline engine, electric generator unit, automation, engine component, frequency stability, air cooled engine, voltage stabilization

ABSTRACT: The article reviewed discusses various field engine-generator sets and portable power plants used by the Soviet ground forces. Following a brief general discussion of the types, uses, and characteristics, the author presents a table showing the basic letter symbols used by the Soviets in field power-generating-equipment designations (see Table 1).

Table 1. Basic letter-symbol designations for field power-generating equipment

	Power-Plant	Engine-Gen-erator Set	Current				Primary Engine		Power-Plant Type			
			3-Phase	1-Phase	Direct	Frequency	Diesel	Gasoline	Charging	Lighting	Power	
Russian Symbol	ЭГ	А	Т	О	П	Ч	Д	Б	И	ВЗ	ВО	ВС
Transliteration	ES	A	T	O	P	Ch	D	B	I*	VZ	VO	VS

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*Power plants used in engineering operations have an additional index showing their more specific application: ИД (ID) — wood working; ИЛ (IL) — lumbering; and ИР (IR) — ~~rough working~~.

In the engine-generator sets and power plants discussed below, the number following the Б or Д index indicates the unit's kilowatt output. In the engine generator set designations, the second number denotes the rated voltage.

It is stated that engine-generator sets have been part-standardized to the maximum and perform well at temperatures between +50°, in 98% humidity, and at elevations to 1000 m. Under normal operating conditions, the diesel-engine-generator sets can be run continuously for 72 hrs and the gas-engine-generator sets for 24, with the diesels being generally preferred for use except in cases where weight is the determining factor. Gas-engine-generator sets are equipped only with ГАБ (GAB) series generators, while the diesel sets use ДГС (DGS) series generators. Various engine-generator sets and their operating characteristics are outlined in Table 2.

All variations of a given engine-generator set shown in Table 2 use the same engines. The engines used for the 2- and 4-kw sets and the 5- and 10-kw sets differ only in the number of cylinders. All АБ-0.5 sets have the same arrangement and differ only in the generators used. These sets are also air-cooled, as are all other sets up to 4 kw, and they have automatic voltage and frequency stability with the exception of the АБ-0.5/П30, which is manual. Recently, the АД-30, АД-50, and АД-75 generator sets were improved, and the АБ-2 and АБ-4 sets were modernized and equipped with new engines.

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Portable field power plants up to 10 kw are mounted on two-wheel trailers, while plants of 20 kw or more, used only for generating power,

Table 2. Engine-generator sets and their characteristics

Type	Output, kw	Voltage	Current Type and Frequency, Cycles	Dry Weight, kg
AG-03	0.3	230 115 30	1 - 50 1 - 600 1 - 50	72
AG-1	1.0	230 30	1 - 50 1 - 50	67
AG-2	2.0	230	1 - 50 3 - 50 1 - 400	180
AG-4	4.0	230	1 - 50 1 - 50 3 - 50 3 - 200	233
AG-8	8.0	115 230	1 - 50 1 - 425 3 - 50 3 - 400	385
AG-12	12.0	50-500 230 400	1 - 70 3 - 50	770
AG-5	5.0	230 115	1 - 50	760

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АД-10	10,0	400 230	3-50	
		230 115	3-400	
АД-20	20,0	230 400	3-50 3-400	2200
АД-30	30,0	230 400	3-50 3-400	2090
АД-50	50,0	230 400	3-50	3800
АД-75	75,0	230 400	3-50	4200

*) The first number indicates the number of phases; the second number indicates cycles; "-" indicates direct current.

are mounted on four-wheel trailers. All the power plants discussed in the article are built around АБ and АД engine-generator sets and are designated by ЭСД or ЭСБ. The following table is a breakdown by application, engine-generator sets used, and accessory equipment for the portable power plants described in the article (see Table 3).

Similarities and basic differences in the power plants are described along with some of their specific features, accessory equipment, and layout. The author also mentions stationary power plants with 5-, 10-, 20-, and 50-kw output, and stresses the types and means of automation being applied to both power plants and engine-generator sets.

Card 4/6

ЭСБ-2-В0	АБ-2-0/230	1700
ЭСБ-4-В0	АБ-4-0/230	3300
ЭСД-10-В0	АД-10-Т/230	3400
ЭСД-20-В0	АД-20-Т/230	
Power*:		110
ЭСД-10-ВС	АД-10-Т/230	87
ЭСД-20-ВС	АД-20-Т/230	120
ЭСД-50-ВС	АД-50-Т/230	120
ЭСД-75-ВС	АД-75-Т/230	120

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000100910018-1

Card 5/6 *) These power plants are also available with 400 volts.

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ACC NR: AP5024277

Referring back to Table 1, a sample interpretation of an engine-generator set is as follows: the designation АБ-8-Т/230/У-400 represents an engine-generator set ("А") powered by a gasoline engine ("Б") and having an 8-kw output, a three-phase current rated at 230 volts ("Т/230") and 400 cycles ("У-400"). Taking an ЭСД-10-В0 power plant as an example and referring also to Table 3, it can be seen that the unit is a 10-kw power plant with a diesel engine ("ЭСД-10"), which is used for lighting purposes ("В0"), and which is equipped with an АД-10-Т/230 engine-generator set. The absence of the "У" index and number indicates that the frequency is 50 cycles. Six photographs of engine-generator sets and power plants accompany the article. Orig. art. has: 6 figures and 3 tables. /ATD PRESS: 5006-F/

SUB CODE: 09,10/SUBM DATE: none/

Card 6/6 af

PALAGIN, A.; CHATSKIY, O.; ALEKSEYEV, A.; GLUZ, I.S.; ZABLITSKIY, R.V.;
DUBROVSKIY, M.A.

In honor of the 21st Congress of the CPSU. Kons. i'ev. prem. 14
no.1:4-7 Ja '59. (MIRA 12:1)

- 1.Direktor Odesskogo konservnogo kombinata (for Palagin).
 - 2.Predsedatel' Odesskogo konservnogo zavodskogo komiteta (for Chatskiy).
 - 3.Direktor Kharabalinskogo konservnogo zavoda (for Alekseyev).
 - 4.Glavnyy inzhener Tiraspol'skogo plodokombinata (for Gluz).
 - 5.Glavnyy inzhener Starodubskogo oveshchesushil'nogo kombinata (for Zablitskiy).
 - 6.Nachal'nik planovogo otdela Moskovskogo ordena Lenina Pishchevogo kombinata imeni Mikoyana (for Dubrovskiy).
- (Canning industry)

ALEKSEYEV, A.A.

We should increase the output of high quality canned food.
Kons.i ov.prom. 15 no.4:4-6 Ap.'60. (MIRA 13:6)

1. Kharabalinskiy konservnyy zavod.
(Astrakhan Province--Food, Canned)

ALEKSEYEV, A.A.

Transportation of ripe tomatoes in tank trucks filled with water.
Kons.i'ov.prom. 15 no.8:29-31 Ag '60. (MIRA 13:8)

1. Kharabalinskiy konservnyy zavod.
(Tomatoes--Transportation)

ALEKSEYEV, A.A.

Conference of vegetable experts. Konq. i ov.prom. 16 no.5:45 My '61.
(MIRA 14:5)

(Astrakhan Province--Vegetables)

ALEKSEYEV, A.A.

We shall fulfill our obligations. Kons. i ov. prom. 16 no.7:
7-8 JI '61. (MIRA 14:8)

1. Kharabalinskiy konservnyy zavod.
(Astrakhan Province--Canning industry)

ALEKSEYEV, A.A.

Assign fixed raw material supply areas to canning plants. Kons.1
ov.prom. 17 no.9:43-44 S '62. (MIRA 15:8)
(Canning industry--Equipment and supplies) (Farm produce)

ALEKSEYEV, Aleksey Alekseyevich; GOLOVIN, Andrey Andreyevich; TYLKIN, M.N.,
red.; PULIN, L.I., tekhn. red.

[Technical and economic work planning in a construction organiza-
tion] Tekhniko-ekonomicheskoe planirovanie raboty stroitel'noi or-
ganizatsii. Tula, Tul'skoe knizhnoe izd-vo, 1960. 156 p.

(Construction industry--Finance)

(MIRA 14:7)

ALEKSEYEV, A.A.

Device for measuring the volume of combustion chambers of engines.
Avt.prom. no.9:36 S '60. (MIRA 13:9)
(Gas and oil engines)

ALEKSEYEV, A.A.

Fluorine content in thermal springs [with English summary in
insert]. Geokhimiia no.4:58-63 '56. (MLRA 9:11)

1. Kostromskoy sel'skokhozyaystvennyy institut.
(Fluorine) (Geysers)

ALEKSEYEV, A. A.

"Operation of Protective Devices Against Ground Short Circuit of Generators,"
Elek. Sta., No 1, 1952

ALEKSEYEV, A. A., Cand of Tech Sci -- (diss) "Investigation of the Durability of Sulfidated Cast Iron for Use in Ship Remodeling," Odessa, 1959, 14 pp (Odessa Institute of Engineers of the Maritime Fleet) (KL, 1-60, 121)

ALEKSEYEV, Aleksandr Aleksandrovich; OFINA, V.I., redaktor; TIKHONOVA, Ye.A.,
tekhnicheskiy redaktor

[Principles of safety engineering and fire prevention techniques
for seagoing ships] Osnovy tekhniki bezopasnosti i protivopozhar-
noi tekhniki na morskoy flote. Moskva, Izd-vo "Morskoy transport,"
1955. 307 p. (MLRA 9:3)
(Ships--Fires and fire prevention)

YEVTFEYEV, Petr Ivanovich; ALEKSEYEV, A.A., prof., retsenzents;
RYZHIK, Z.M., inzh., red.; GOFMAN, Ye.K., red. izd-va;
SPERANSKAYA, O.V., tekhn. red.

[Butt welding of metals in the manufacture of instruments]
Stykovaia svarka metallov v priborostroenii. Moskva, Mash-
giz, 1963. 132 p. (MIRA 16:7)
(Instruments manufacture) (Electric welding)

ALEKSEYEV, Aleksey Alekseyevich; MARIONKOV, Konstantin Sergeyevich;
TYL'KIN, M.M., red.; FULIN, L.I., tekhn.red.

[Using precast construction elements in building houses]
Stroitel'stvo zhilykh domov iz sbornykh konstruktsii. ^{Tula,}
Tul'skoe knizhnoe izd-vo, 1959. 141 p. (MIRA 13:3)
(Precast concrete construction)

ALEKSEYEV, A.A.

Technology of the construction of the pavement of a velodrome.
Nauch.trudy Tul.gor.inst. no.3:154-158 '61. (MIRA 16:4)
(Tula--Pavements, Concrete) (Bicycle racing)

ALEKSEYEV, A.A.

Determining the dimensions of panels for the turns of a velodrome.
Nauch.trudy Tul.gor.inst. no.3:158-164 '61. (MIRA 16:4)
(Tula--Pavements, Concrete) (Bicycle racing)

LYAPUSTIN, A.K.; BOZHKO, G.; KONDRAT'YEV, I.; GARBARCHUK, M.I.; MUSTAFAYEV,
Z.S.; IBRAGIMOV, R.; ZINOV'YEV, B.; ALEKSEYEV, A.A.; GLUKHOVA, G.;
SAZONOV, Yu.; MEDVEDEV, I.D.

In the Soviet Union. Veterinariia 39 no.11:89-96 N '62.
(MIRA 16:10)

KUTKOVSKIY, S.I.; ALEKSEYEV, A.A., prof.

[Electrodes of resistance welding machines] Elektrody
kontaknykh elektrosvarochnykh mashin. Moskva, Ma-
shinostroenie, 1964. 110 p. (MIRA 18:1)

ALEKSEYEV, A.A., inzhener, redaktor; ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GORRACHEV, A.N., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LAPIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEPEININ, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; RYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASHBERG, M.G., kandidat tekhnicheskikh nauk, redaktor; KHUDYAKOVA, A.V., redaktor; VOLKHOVER, R.S., tekhnicheskiiy redaktor.

[Paper maker's handbook] Spravochnik bumazhnika (tehnologa)
Moskva, Goslesbumizdat. Vol. 1 1955. 790 p. (MLRA 8:10)
(Paper industry)

ALEKSEYEV, A.A., inzhener.

Consumption of lime in causticization. Bum.prom.30 no.1:6-7
Ja '55. (MLRA 8:3)

1. Giprobun.
(Alkalies)

ALEKSEYEV, A.A., inzhener, redaktor; ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GOHBACHEV, A.N., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LARIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEFENIN, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; RYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASBERG, M.G., kandidat tekhnicheskikh nauk, redaktor; KHUDYAKOVA, A.V., redaktor izdatel'stva; KARASIK, N.P., tekhnicheskiiy redaktor

[Paper maker's handbook] Spravochnik bumazhnika (tehnologa). Moskva, Goslesbumizdat, Vol.2., book 1. 1956. 458 p. (MLRA 10:2)

1. Leningrad Tsentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti (Paper industry)

ALEKSEYEV, A.A., inzh., red.; ASHKENAZI, K.M., doktor tekhn.nauk, red.; GRABOVSKIY, V.A., kand.tekhn.nauk, red.; GORBACHEV, A.N., kand.tekhn.nauk, red.; IVANOV, S.N., kand.tekhn.nauk, red.; LARIN, P.S., kand.tekhn.nauk, red.; NEPENIN, N.N., doktor tekhn.nauk, red.; PUZYREV, S.A., kand.tekhn.nauk, red.; RYUKHIN, N.V., kand.tekhn.nauk, red.; FLYATE, D.M., kand.tekhn.nauk, red.; SHAPIRO, A.D., kand.tekhn.nauk, red.; ELIASHBERG, M.G., doktor tekhn.nauk, red.; KHUDYAKOVA, A.V., red.izd-va; SIDEL'NIKOVA, L.A., red.izd-va; LOBANKOVA, R.Ye., tekhn.red.

[Manual for paper industry technicians] Spravochnik bumashnika; (tekhnologiya). Moskva, Goslesbumizdat. Vol.3. 1961. 719 p.

(MIRA 14:6)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.

(Paper products)

ALEKSEYEV, A.A.

Recovery of lime mud. Bum. prom. 36 no.11:30-31 N '61.

(MIRA 15:1)

1. Glavnyy tekhnolog Gosudarstvennogo instituta po proyektirovaniyu tsellyulozno-bumazhnoy promyshlennosti.

(Lime)

ALEKSEYEV, A.A.

Soda recovering units are dependable and powerful boilers.
Bum.prom. 37 no.1:30-31 Ja '62p. (MIRA 15:1)

1. Glavnyy tekhnolog Gosudarstvennogo instituta po proyektirovaniyu tsellyulozno-bumazhnoy promyshlennosti.
(Woodpulp industry - Equipment and supplies)

MODIN, N.A.; ALEKSEYEV, A.A.

Guiding nozzle for the SVPA drilling and grooving machine. Der.
prom. 12 no.6:9-10 Je '63. (MIRA 16:10)

1. Lesotekhnicheskaya akademiya im. S.M.Kirova.

ALEKSEYEV, A.A.

Determining the contact forces on the working surfaces of cutting instruments. Nauch. trudy LTA no.97:141-155 '62. (MIRA 17:2)

ALEKSEYEV, A.A., inzh., re. .; V'YUKOV, I.Ye., kand. tekhn. nauk, red.; GRABOVSKIY, V.A., kand. tekhn. nauk, red.; ZHITKOV, A.V., kand. tekhn. nauk, red.; NAUMOV, V.V., kand. ekon. nauk, red.; NEFENIN, Yu.N., kand. tekhn. nauk, red.; PUZYREV, S.A., kand. tekhn. nauk, red.; RYUKHIN, N.V., kand. tekhn. nauk, red.; SHAPIRO, A.D., kand. tekhn. nauk, red.; ELIASHBERG, M.G., doktor tekhn. nauk, red.

[Handbook for the papermaker in three volumes] Spravochnik bumazhnika v trekh tomakh. Moskva, Izd-vo "Lesnaia promyshlennost'." Vol.1. Izd.2., perer. i dop. 1964. 840 p.
(MIRA 17:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut tsellyulozno-bumazhnoy promyshlennosti.

1. The first part of the paper is devoted to the

study of the properties of a multilinear signal

which is a function of several variables

and is defined on a domain which is a product of intervals

of the type

Card 1/2

1 92577-06
ACCESSION NR AP6012797

SUBMITTED: 09Nov64

ENCL: 00

SUB CODE: EC, DF

SECRET SUB: 001

OTHER:

ALEKSEYEV, A. A.

Lacrymal Organs - Diseases

Treatment of eversion of the puncta lacrimalia with galvanocautery. Vest. oft., 31, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

ALEKSEYEV, A.A. (Sevastopol')

Dissolving impregnating lime. Vest.oft. 69 no.5:90 S-0 '56. (MLRA 9:12)
(EYE--WOUNDS AND INJURIES) (LIME)
(AMMONIUM CITRATE)

ALEKSEYEV, A.A. (g. Sevastopol')

Objective symptom of hypersecretion of the lacrimal glands. Oft. zhur.
13 no.6:377-'58.

(MIRA 12:1)

(LACRIMAL ORGANS--DISEASES)

ALEKSEYEV, A.A. (g. Sevastopol')

Use of eosine in diagnosing the eversion of the lacrimal point.
Oft.zhur: 13 no.7:422-423 '58. (MIRA 12:1)
(LACRIMAL ORGANS--DISEASES)
(EOSIN)

ALEKSEYEV, A.A. (Sevastopol')

Treatment of initial cataracts with iontophoresis. Oft.zhur. 15
no.2:85-88 '60. (MIRA 13:5)
(CATARACT) (ELECTROPHORESIS)

ALEKSEYEV, A.A.

Treatment of ectropion palpebrae. Oft.zhur. 15 no.7:438-439 '60.
(MIRA 13:11)

(EYELIDS--DISEASES)

ALEKSEYEV, A.A., zasluzhennyi vrach USSR (Sevastopol')

Case of abscess of the caruncula lacrimalis. Oft. zhur. 16 no.3:
188 '61. (MIRA 14:5)

(EYE—DISEASES AND DEFECTS)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>ALEKSEYEV, A. A.</p> <p>Aleksejev, A. A., und A. I. Aebur. <i>Elektrisches Kontaktwissen</i>. [In Russian.] Pp. 300. 1935. Moscow u. Leningrad: Kubitsch. (Rhl. 4.)</p>																			
<p>AS & SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
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<div style="display: flex; justify-content: space-between;"> M 21 </div> <p>The Production of Electric-Welding Equipment at the "Elektrik" Works and the Prospects for Its Development in the U.S.S.R. A. A. Alekseyev (<i>Ardog</i>) <i>Izda.</i> 1940, (2), 1-3. — [In Russian]. — N. A.</p>																																																																																																							
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ALEKSEYEV, A. A.

"Heating Processes During Butt Welding by Resistance and Fusion," Elektrichestva
No 1, 1947

137-58-1-1239

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 166 (USSR)

AUTHOR: Alekseyev, A. A.

TITLE: The Sulfidation of Gray Irons (Sul'fidirovaniye serykh chugunov)

PERIODICAL: Nauchn. tr. Odessk. vyssh. morekhodn. uch-shche, 1956,
Nr II, pp 127-133

ABSTRACT: A study was made of the wear resistance of specimens of gray
irons on a pearlitic-ferritic base, containing (%):

C 3.1, Mn 0.68, Si 1.61, P 0.18, and S 0.08,

after application of the sulfide process in baths (B) of various
compositions. The best results with the sulfide process were
obtained on sulfiding in liquid B as proposed by the NIIKhim mash.
The composition of the B was (%):

Na_2SO_4 51, KCl 41.6, KCNS 1.8, $\text{Na}_2\text{S}_2\text{O}_3$ 5.6.

Baths prepared in accordance with the formulations of Rostsel'

Card 1/2

137-58-1-1239

The Sulfidation of Gray Iron

mash and MAZ yield poorer results. Data are presented as to the effect of the C, Mn, and S contents on the sulfide process. These data require refinement.

M. Ch.

1. Irons--Sulfation--Processes
2. Sulfide solutions--Applications

Card 2/2

137-58-4-7233

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 130 (USSR)

AUTHORS: Alekseyev, A. A., Okerblom, N. O.

TITLE: The Role of Leningrad in the Development of Welding Techniques and the Welding Industry (Rol' Leningrada v razvitii svarочноy tekhniki i svarochnogo proizvodstva)

PERIODICAL: V sb.: Svarochnoye proiz-vo. Leningrad, Lenizdat, 1957, pp 7-16

ABSTRACT: The discovery of the electric arc by V. V. Petrov, the invention of arc welding processes by N. N. Benardos and N. G. Slavyanov, the activities in the production of electrical welding equipment by the "Elektrik" Plant, the development of scientific research and design operations, and the contributions of public societies in the field of welding, the training of engineering and technical personnel, and the publication of welding literature in Leningrad, are described.

V. S.

Card 1/1

1. Arc welding--Development--USSR 2. Electric welding
equipment--Production--USSR 3. Welding--Study and teaching
--USSR

AUTHOR: Gromyko, L.G., Engineer

135-10-16/19

TITLE: Jubilee Session on Welding on the Occasion of the 250th Anniversary of Leningrad (Yubileynoye soveshchaniye po svarke v oznamenovaniye 250-letiya Leningrada)

PERIODICAL: Svarochnoye Proizvodstvo, 1957, No 10, pp 40-41 (USSR)

ABSTRACT: A jubilee session of workers of industry, transport, building, science and engineering was held on the occasion of the 250th anniversary of the foundation of Leningrad. The sessions of the Welding Section, with about 300 participants took place on 11 and 12 June 1957. Doctor of Technical Sciences, Professor N.O. Okerblom opened the Welding Section session. Professor A.A. Alekseyev (LPI imeni M.I. Kalinin) delivered the report "Leningrad's Part in the Progress of Welding". Starting in 1924, Leningrad became the center of fast development of welding engineering in the Soviet Union. In that year, the Leningrad Plant "Elektrik" had developed and built the first special one-stand d.c. welding generators, and by the time World War II broke out it had given industry more than 70,000 machines for arc welding. New welding methods (automatic and semi-automatic arc welding, condenser- spot welding etc), new grades of electrodes and fluxes, new welding processes, and the first

Card 1/6

135-10-16/19

Jubilee Session on Welding on the Occasion of the 250th Anniversary of Leningrad

100 mm diameter cylindrical parts in 11 min, with a power consumption of about 2.1 kw/h per 1 kg of molten metal. This new welding method has found extensive application at many machine-building plants. A process for automatic butt slag welding of large-thickness plate steel in bottom position was developed as well as an effective method of resurfacing worn parts. VNIIESO, collectively with representatives from various plants, has developed equipment for production-line manufacturing of housings for oil transformers, which allows manufacturing of different housing types and sizes on the same machines. V.I. Zemzin, Candidate of Technical Sciences and Superintendent of the TsKTI imeni I.I. Polzunov laboratory, reported on the latest achievements of Leningrad's research organizations in problems of alloy steel welding. The research done by the laboratory enables the proper choice of base metal composition, welding materials and of heat treatment for welded structures. The method of radioactive isotopes is being extensively applied in research. Engineer V.A. Semenov delivered the report "Welding of Titanium". He spoke of the method of mechanized welding

Card 3/6

135-10-16/19

Jubilee Session on Welding on the Occasion of the 250th Anniversary of Leningrad.

of titanium with the use of a non-welding electrode, with and without melting welding wire. Candidate of Technical Sciences and Deputy Director of VNIIESO N.Ya. Kochanovskiy delivered the report "Leningrad's Contribution to the Development of Electric Contact and Arc Welding". He outlined the general trend in development of contact welding - creation of high-productive specialized machines, automation and mechanization of the welding process. VNIIESO has developed specialized equipment: high-productive individual machines, aggregates and automatic lines, which often allow not only automated high-productive welding, but also other manufacturing operations, among them: welding machines for pipes of up to 50 mm diameter; automatic lines for welding of nets, trusses and frames for reinforced concrete structures; and automatic machines for condenser butt welding of vacuum tube filaments, which perform up to 300 welded connections per minute. Doctor of Technical Sciences N.O. Okerblom delivered the report "New Trends in Determining the Technological Processes for Production of Welded Structures". He spoke of the extensive work done by Leningrad engineers in

Card 4/6

135-10-16/19

Jubilee Session on Welding on the Occasion of the 250th Anniversary of Leningrad.

studying the operation and the improvement of welded structures. G.A. Bel'chuk, Candidate of Technical Sciences, from the LPI, reported on "The Part of Welding Engineering at the Leningrad Shipbuilding Plants" and mentioned the application of electric welding in the production of ship hulls, boilers, and mechanisms. During the past years, welding operations in shipbuilding were mechanized to a greater extent. Spot welding and seam welding is widely applied with the use of machines of the plant "Elektrik". Professor M.K. Gusel'shchikov, the VNIIESO laboratory manager V.I. Vill', the welders Borovkova (Izhorskiy plant), Fateyev (PTO plant), Komissarov (plant imeni Zhdanov), and others took part in the discussions. After the discussions were over, the session took resolution pointing out the necessity of the following basic measures:

- 1) To ensure a more extensive use of electric slag and contact welding at the Leningrad plants and to increase considerably the application of shielded gas welding.
- 2) To mechanize the production of welded structures - with organization of production lines, application of automatic welding machines for assembling operations in production of single

Card 5/6

VILL', Vadim Ivanovich; ~~ALEKSEYEV, A.A.~~, prof., retsenzents; BAYKOVA,
I.P., dotsent, kand.tekhn.nauk, red.; BORODULINA, I.A., red.
izd-va; DLUGOKANSKAYA, Ye.A., tekhn.red.

[Friction welding of metals] Svarka metallov treniem. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 85 p.
(MIRA 12:12)

(Metals--Welding)

(Friction)

25(2), 8(5)

SOV/19-59-2-274/600

AUTHORS: Alekseyev, A.A., Zhuravlev, B.V., and Shablygin, S.V.

TITLE: A Feed Set for Contact Welding Machines

PERIODICAL: Byulleten' izobreteniy, 1959, Nr 2, p 60-61 (USSR)

ABSTRACT: Class 21h, 32₀₄. Nr 94311 (444882/3744 of 15 August 1951). Submitted to the Ministry of Electric Power Industry of the USSR. A set for the feed of a welding machine, consisting of an electric motor and a synchronous generator with an exciter, in three versions: 1) With opposing series and parallel excitation windings in the exciter, designed to boost the generator excitation at the moment of giving the welding pulse, and a contactor in the generator excitation circuit for the automatic drop of the excitation current after the closing of the circuit; 2) With a contactor with a normally open contact connected into the generator excitation winding circuit, and a normally closed contact connected into the parallel excitation winding

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SOV/19-59-2-274/600

A Feed Set for Contact Welding Machine

of the exciter (when the series winding of the exciter is switched out). This makes the generator excitation drop automatically after the closing of the excitation circuit, on account of the absorption of magnetic field energy of the excitation winding by the resistance connected in parallel to it; 3) With a contactor and a capacitor in the generator excitation winding circuit to feed the circuit by the charge or discharge current from the capacitor at the opening or closing. This can also be utilized in seam welding, e.g. seam welding of light alloys.

Card 2/2

8(0)

SOV/105-59-12-20/23

AUTHORS:

Alekseyev, A. A., Bogoroditskiy, N. P., Glebov, I. A.,
Dembo, A. R., Drozdov, N. G., Kapitsa, P. L., Kulebakin, V.S.,
Neyman, L. R., Syromyatnikov, I. A., et al

TITLE:

Academician M. P. Kostenko. On His 70th Birthday and the
40th Anniversary of His Scientific and Pedagogic Activity

PERIODICAL:

Elektrichestvo, 1959, Nr 12, pp 81 - 82 (USSR)

ABSTRACT:

The oldest member of the editorial staff of the periodical
"Elektrichestvo", Mikhail Poliyevktovich Kostenko was born
the son of a physician in the District Voronezh in 1889.
He studied at the Peterburgskiy universitet (St. Peterburg
University) in 1907, in 1908 at the Peterburgskiy elektro-
tekhnicheskii institut (St. Peterburg Institute of Electrical
Engineering) was relegated in 1910, because of participation
in a students' revolt and exiled to the Perm' District.
1911 - 1913 he worked there as a telephone mechanic. 1913-1918
he studied and graduated from the Peterburgskiy politekhnichesk-
kiy institut (St. Peterburg Polytechnic Institute). In 1920
he was elected instructor for the Chair of Electrical
Machines at the same institute. 1922 - 1924 Kostenko was sent

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Academician M. P. Kostenko. On His 70th Birthday and the 40th Anniversary of His Scientific and Pedagogic Activity SOV/105-59-12-20/23

to England as an engineer and made several inventions (pulse generator, commutator generator etc). He again started working at the Leningradskiy politekhnicheskii institut im. Kalinina (Leningrad Polytechnic Institute imeni Kalinin) in 1924, where he became docent in 1927, and professor and head of the Chair of Electrical Machines in 1930. Since 1924 he also worked at the "Elektrosila" Works as an engineer. He took part in the development of the new turbogenerator series from 1927 to 1930. His book "AC-Commutators" appeared in 1933. In 1935 - 1936 he worked as chief electrical engineer at the Khar'kovskiy elektromekhanicheskii zavod (Khar'kov Electro-mechanical Plant). He then returned to the Leningrad Polytechnic Institute. In 1939 he was elected Corresponding Member of the AS USSR. Subsequently he worked in the komissiya otdeleniya tekhnicheskikh nauk AN SSSR po vyboru sistemy toka dlya elektrifikatsii zheleznykh dorog SSSR (Commission of the Department of Technical Sciences of the AS USSR for the current type selection for the electrification of railroads in the USSR). 1942-1944 a large-size mercury rectifier plant was installed within the system of the Uzbekenergo under

Card 2/3

ALEKSEYEV, A.A.

SOV/4172

Collected Papers (Cont.)

Sbornik rabot po voprosam elektromekhaniki, vyp. 3: Energeticheskiye sistemy, elektromashinostroyeniye, elektricheskaya tyaga, avtomatizirovannyy elektroprivod, avtomaticheskiye i telemekhanicheskiye sistemy, elektrosvarochnoye oborudovaniye
Moscow, Izd-vo AN SSSR, 1960. 314p.
publ. from Akad. nauk SSSR. Institut elektromekhaniki

ELECTRIC WELDING EQUIPMENT

Alekseyev, A.A. Three-Phase Feeding Systems of Electric Welding Contact Machines 290

The author shows that three-phase feed of an electric welding contact machine with direct circuit connection can be achieved by means of multitransformer multipoint machines.

Sarafanov, S.G. Calculation of Welding Circuit Inductance of a Contact Machine 297

The author describes methods of calculating welding circuit inductances of contact machines developed by various Soviet scientists and proposes a new, simplified method.

Card 1-13

21628

S/137/61/000/003/033/069
A006/A101

1.2300 1573

AUTHOR: Alekseyev, A.A.

TITLE: Three-phase power supply systems of electric resistance welding machines

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no.3, 1961 32, abstract 3E216
("Sb. rabot po vopr. elektromekhan., no.3", Moscow-Leningrad, AN SSSR, 1960, 290 - 297)

TEXT: A comparison is made of electric three-phase power supply systems of electric resistance welding machines. The system using the stored kinetic energy in rotating flywheel masses can be considered as the most efficient power supply system of high-power electric resistance welding machines.

Yu. G.

[Abstracter's note: Complete translation.]

Card 1/1

ALEKSEYEV, A.A.

Power supply for electric welding equipment. Trudy LPI no.216:
149-153 '61. (MIRA 14:11)
(Electric welding--Equipment and supplies)

OLUKHANOV, Nikolay Parmenovich; BOGDANOV, Valentin Nikolayevich;
ALEKSEYEV, A.A., prof., retsenezent; KOCHERCIN, K.A., kand.
tekhn. nauk, red.; ONISHCHENKO, R.N., red. izd-va; SIMONOVSKIY,
N.Z., red. izd-va; PETERSON, M.M., tekhn. red.

[Welding metals with high-frequency heating] Svarka metallov
pri vysokochastotnom nagreve. Moskva, Mashgiz, 1962. 189 p.
(MIRA 15:11)

(Metals--Welding) (Induction heating)

SARAFANOV, S.G., kand. tekhn. nauk; TAZ'BA, S.M.; TERENT'YEV, Yu.Ya.;
FEDER, Ye.S.; ALEKSEYEV, A.A., prof., nauchnyy red.; PETRENKO,
N.P., red. izd-va; VORONETSKAYA, L.V., tekhn. red.

[Electric welding equipment and automation of welding operations in the construction industry]Elektrosvarochnoe oborudovanie i avtomatizatsiya svarochnykh rabot v stroitel'stve.
Pod red. S.G.Sarafanova. Leningrad, Gosstroizdat, 1962. 350 p.

(MIRA 16:1)

(Electric welding)
(Construction industry--Electric equipment)

ACCESSION NR: A16014721

ASSOCIATION: None

SUBMITTED 2-Jan-5

ENCLOSURE

SUB CODE: DP

184
Card 2/2

ALEKSEYEV, A.A.

Probablility model of a multilinear signal counter. Kibernetika
no.2:90-97 Mr-Ap '65. (MIRA 18:5)

S/118/60/000/010/004/008
A161/A026

AUTHORS: Alekseyev, A. B., Davidan, R. I., Mordukhovich, B. Z., Engineers

TITLE: Automation of the Finishing Train of a "650" Rolling Mill

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960, No. 10, pp.15-20

TEXT: Automation of a "650" heavy bar mill has been started in the merchant bar shop of Nizhne-Tagil'skiy metallurgicheskiy kombinat imeni V. I. Lenina (Nizhniy Tagil Metallurgical Combine imeni V. I. Lenin). The first step is the described automatic control system for the finishing train of the mill, developed by the combine's central laboratory and rolling shop engineers. The finishing train consists of a drag feed, a roll table, a link-chain support, one nonreversing two-high stand, a scale breaker and a band doubler. The control system consists of contact type P3-100 relays (RE-100), relay contactors KИ-21 (KP-21), path and limit switches, control push-buttons and universal switches. It is said to be comparatively simple and cheap, and raising the mill output. The automated part of the mill is illustrated by a diagram (Fig. 1) When the band end comes out of the stand (1) the cams of the drag feed, making two work steps, move to the middle of the run-out roll table and stop in seats designed to protect them from blows of

Card 1/3

S/118/60/000/010/004/008
A161/A026

Automation of the Finishing Train of a "650" Rolling Mill

metal bands moving on both sides of them. After the whole band is on the run-out roll table, the cams move it to the free roll table (5) which moves it into the automated finishing stand (7) from the hot-saw side. If the roll tables behind the stand are occupied, the next band coming from the stand (1) is pushed to the field between the tables (3) and (5). If bands buckle (which happens with the first bands being rolled after replacement of the mill rolls), the drag feed switches on only after the entire band is on the transverse table, and moves it without stopping to the free table in front of the stand (7). When no metal is between the rolls, they rotate with idle-run velocity. When strip approaches, the rolls accelerate to gripping velocity, the scale breaker switches on, and (if required by the rolled profile) the link-chain support turns the band by 90°. The link-chain support is a washer with mobile rollers inside, which grip the band when it enters the washer. At the moment when the rolls grip the band, the link-chain support rollers release it, the rolls accelerate further, and the front roll table at the stand switches off and the rear roll table is decelerated. When the band is delivered out of the finishing stand rolls, the doubler operates and the front table moves the next band into the stand. When a stack of two or three bands, or one band, is collected on the rear table, the rolled metal is moved away

Card 2/3

ALEKSEEV, A.D.

Tekhnicheskoe snaryazhenie samoletov poliarnykh ekspeditsii. (In: Vozdushnye puti Severa. Moskva, 1933, p. 425-436, illus.)

Title tr.: Technical equipment of aircraft in arctic expeditions.

TL532.V6 1933

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

ALEKSEYEV, A. D.

"On Soviet Flyers," Krasnaya Zvezda, Moscow, 18 July 1947.

TI No 70941

ALEXSEYEV, A. 1

In the Leningrad aeronautics club. Kryn.rod. 4 no.10:17 0 '53.

(MLRA 6:10)

(Aeronautics--Study and teaching)

ALEKSEYEV, A-D

AID P - 4571

Subject : USSR/Aeronautics - training
Card 1/1 Pub. 135 - 5/23
Author : Alekseyev, A. D., Col., Pilot Class I
Title : Flying by alternate instruments
Periodical : Vest. vozd. flota, 2, ~~36-40~~, F 1956
Abstract : The author describes the methods of piloting the aircraft by alternate instruments and stresses that every pilot must be able to pilot an aircraft by alternate instruments in adverse weather conditions. The article is of some informative value.
Institution : None
Submitted : No date

ALEKSEYEV, A.D.

Subject : USSR/Aeronautics - training AID P - 5326
Card 1/1 Pub. 135 - 5/24
Author : Alekseyev, A. D., Col., Hero of the Soviet Union
Title : Some problems in the training of pilots for all-weather flights
Periodical : Vest. vozd. flota, 12, 21-26, D 1956
Abstract : The article deals with some problems faced in all-weather flights. Particular attention is paid to the concept "minimum weather" under which takeoffs, landing approaches and landings can still be carried out. One diagram. The article merits attention.
Institution : None
Submitted : No date

ALEKSEYEV, A.D.

Singular integral equation on a class R contour. Trudy Mat.
inst. AN Gruz. SSR 27:275-291 '60. (MIRA 15:3)
(Integral equations)

69718

S/020/61/136/003/001/027
C 111 / C 333

16.4500

AUTHOR: Alekseyev, A. D.

TITLE: A Singular Integral Equation on a Contour of Class R

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 3,
pp. 525-528

TEXT: Let L be a simple rectifiable curve $x = x(s)$, $y = y(s)$, $0 \leq s \leq l$, where s is the arc length, l the length of the curve. In every point of the curve the left as well as the right tangent is assumed to exist (in the eventual end points only one of them). The unit vector of the left (right) tangent in every point of L is assumed to be the left (right) limit value of the unit vectors of the tangents in the points of the set E , where $E \subset [0, l]$, $\text{mes } E = 1$, is the set of the points of L with unique tangent. Curves L with the above properties are denoted as curves of the class R. Let φ be the smaller of the two nonnegative angles which are formed by the positive directions of the right and left tangents in the point s of L .

Theorem 1: Let $\beta > 0$ be an arbitrary number. The set of the joints of the curve L of the class R, in which $\varphi_s \geq \beta$, is finite.

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C 111/ C 333

A Singular Integral Equation on a Contour of Class R

Corollary: The set of the joints of a curve of class R is at most denumerable.

Theorem 2: For two arbitrary points s', s'' of $L \in R$, which is assumed to possess no cusps, it holds $r(s', s'') > m \delta(s', s'')$, where δ is the length of the smallest arc of L with the ends s' and s'' , $0 < m < 1$, and r is the length of the secant.

On $L \in R$ the author considers the singular integral equation

$$(1) \quad a(t)\varphi(t) + \frac{b(t)}{\pi i} \int_L \frac{\varphi(\tau)}{\tau - t} d\tau = f(t)$$

and the Riemann problem connected with it, with the boundary condition

$$(2) \quad \phi^+(t) = G(t) \phi^-(t) + g(t).$$

He states that all the results concerning (1) and (2) obtained in (Ref. 8, 9) remain valid for $L \in R$, if the coefficients satisfy the

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A Singular Integral Equation on a Contour of Class R

Hölder conditions. Moreover, (1) is considered on $L \in R$, if $a(t)$, $b(t)$, $f(t)$ satisfy the Hölder condition on L , $a(t) \pm b(t) \neq 0$, $a(t) \neq 0$ on L , and if a solution of (1) is defined as a function which satisfies (1) in all the points of L . The solution is sought in the form

$$(3) \quad \varphi(t) = \varphi_1(t) + \xi(t),$$

where $\varphi_1(t)$ satisfies the Hölder condition on L , while $\xi(t)$ is equal to zero everywhere eventually except the joints.

Theorem 3: Between the solutions (3) of (1) and the solutions vanishing at infinity of the Riemann problem with the boundary condition

$$(4) \quad \phi^+(t) = \frac{a(t) - b(t)}{a(t) + b(t)} \phi^-(t) + \frac{f(t)}{a(t) + b(t)}$$

on L there exists a one-to-one correspondence: If (3) is the solution of (1), then

$$\phi(z) = \frac{1}{2\pi i} \int_L \frac{\varphi_1(\tau)}{\tau - z} d\tau$$

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A Singular Integral Equation on a Contour of Class R satisfies the condition (4), where $\phi(\infty) = 0$; conversely, if $\phi^+(z)$ is a solution of (4) such that $\phi^-(\infty) = 0$, then the function

$$(5) \quad \varphi(t) = \varphi_1(t) + \frac{b(t)}{a(t)} \left[1 - \frac{\alpha(t)}{\pi} \right] \varphi_1(t)$$

where $\varphi_1(t) = \phi^+(t) - \phi^-(t)$, is a solution of (1) with the form (3). The author thanks F. D. Gakhov, Professor for the guidance.

There are 11 references: 10 Soviet and 1 Austrian.

ASSOCIATION: Rostovskiy - na - Donu gosudarstvennyy universitet
(Rostov-na-Donu State University)

PRESENTED: August 22, 1960, by P. Ya. Kochina, Academician

SUBMITTED: August 11, 1960

Card 4/4

L 16727-63

EPA(b)/EWT(1)/BDS AFFTC/ASD Pd-4

S/124/63/000/004/014/064 58

AUTHOR: Alekseyev, A. D., and Glukhova, V. I.

TITLE: Study of hydromonitoring jets¹ with initial diameter from 51 to 102 mm

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1963, 69, abstract 4B467
(Tr. Tsentr. n.-i. gornorazved. in-ta, no. 49, 1962, 58-81.)

TEXT: Results are adduced of the experimental studies conducted by the TSNIGRI from 1958-1959, with water-monitoring jets with an initial diameter from 51 to 102 mm. In the tests, we used the GMM-250 monitor equipped with a set of nozzles having diameters of 51, 63, 76, 89 and 102 mm. The tests were conducted at water pressures at the inlet to the nozzle ranging from 20 up to 120 m of water col. and at distances from the section of the water-monitor's nozzle to the target amounting to 3, 5, 7.5, 10, 12.5, 15 and 20 meters.

The tests showed that the impact force of a jet from the hydraulic monitor increases as the diameter of the nozzle and the water pressure at the inlet to the nozzle. With increased distance from the nozzle's section to the target, the impact force of the jet increases in the sector from 0 to 5 m, remains almost unchanged for the sector for 5 to 10 m, and begins to decline at an increase in distance above 10 m, i.e. the maximum impact force of the jet occurs within the limits of its

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L 16727-63

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Study of hydromonitoring

already partially perturbed part. The distance corresponding to the maximum impact force of the jet depends on the jet's diameter and on the initial water pressure.

Studies were conducted of the dependence of the diameter of the compact part of the jet upon the nozzle's diameter and the initial pressure in the jet. It was revealed that the mean specific pressure of the jet for all nozzles increases with increase in head to a certain minimum value, whereupon at subsequent increase in head, the pressure will remain constant or will start to drop. It is shown that even a slight deterioration in machining the inside nozzle surface substantially lowers (up to 30-35%) the quality of the jet, lowering its effectiveness. Yu. Lashkov.

[Abstracter's note: Complete translation.]

Card 2/2

RUCHKO, B.F., inzh.; GOL'DSHEYN, M.Ya., inzh.; ZHIZLOV, N.I., kand.
tekhn. nauk.; ALEKSEYEV, A.D., inzh.

Using powered supports in a steeply pitching seam with a
diagonal stope. Ugol' Ukr. 9 no.12:9-13 D '65.

(MIRA 19:1)

1. Dongiprouglemash (for Ruchko, Gol'dsheyn). 2. Donetsk
politekhnikheskiy institut (for Zhizlov, Alekseyev).

ALEKSEYEV, A.F.

On the biology and sporadic occurrence of *Capella media* Lathm. in
Oka River bottomlands [with English summary in insert]. Zool.
zhur. 35 no.9:1422 S '56. (MLRA 9:12)

1. Kafedra zoologii pozvonochnykh Moskovskogo gosudarstvennogo uni-
versiteta imeni M.V.Lomonosova.
(Oka Valley--Snipes)

ALEKSEYEV, A.P.; BORISENKO, A.P.; GLIKSON, V.I.; GROMOVA, N.F.; KRASOVSKAYA, A.I.; NOVIKOVA, M.N.; OVCHAROVA, A.I.; KHVOYNIK, P.I.; CHURAKOV, V.P.; SHASTITKO, V.M.; GEORGIYEV, Ye.S., red.; SHIL'DKRUT, V.A., red.; LEVCHUK, K.V., red.; LEKANOVA, I.S., tekhn.red.

[Prices on the world capitalistic market; a handbook] TSeny mirovogo kapitalisticheskogo rynka; spravochnik. Moskva, Vneshtorgizdat, 1958. 391 p.
(MIRA 12:7)

1. Moscow. Nauchno-issledovatel'skiy kon'yunkturnyy institut.
(Prices)

ALEKSEYEV, A.F.

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; MENZHINSKIY, Ye.A.; IVANOV, I.D.;
 SERGHEYEV, Yu.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.;
 FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.;
 BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; KARKHIN, G.I.;
 LYUBSKIY, M.S.; PUCHIK, Ye.P.; SEROVA, L.V.; KAMENSKIY, N.N.;
 SABEL'NIKOV, L.V.; FEDOROV, B.A.; GERCHIKOVA, I.N.; KARAVAYEV, A.P.;
 KARPOV, L.N.; SHIPOV, Yu.P.; VLADIMIRSKIY, L.A.; KUTSENKOV, A.A.;
 RYABININA, E.D.; ANAN'YEV, P.G.; ROGOV, V.V.; BELOSHAPKIN, D.X.;
 SEYFUL'MULYUKOV, A.M.; PARFENOV, A.Ya.; SMIRNOV, V.P.; ALEKSEYEV,
 A.F.; SHIL'DKRUT, V.A.; CHURAKOV, V.P.; BORISENKO, A.P.; ISUPOV, V.T.;
 ORLOVA, N.V., red.; GORYUNOVA, V.P., red.; BELOSHAPKIN, D.K., red.;
 GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; KOSTYUKHIN, D.I., red.;
 MAYOROV, B.V., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.;
 POLYANIN, D.V., red.; SOLODKIN, R.G., red.; UFIMOV, I.S., red.;
 EKHIN, P., red.; SMIRNOV, G., tekhn.red.

[Economy of capitalist countries in 1957] Ekonomika kapitalisti-
 cheskikh strah v 1957 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo
 i V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1958.
 686 p.
 (MIRA 12:2)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
 (Economic conditions)

ALEKSEYEV, A.F.

Materials on bird migration in the environs of Kursk. Biol.MOIP.
Otd.biol. 64 no.1:29-35 Ja-F '59. (MIRA 12:7)
(Kursk Province--Birds--Migration)

ALEKSEYEV, Aleksandr Grigor'yevich; GANYAYEV, Boris Dmitriyevich; MARKE-
LOV, Vasil'y Vasil'yevich; SOKOLOV, D.V., inzh., nauchnyy red.;
GORDEYEV, P.A., red. izd-va; ABRAMOVA, V.M., tekhn. red.

[Industrial installation of large preassembled electric equipment
at industrial enterprises] Industrial'nyi montazh elektrooborudo-
vaniia promyshlennykh predpriatii. Moskva, Gos. izd-vo lit-ry po
stroit., arkhitekt. i stroit. materialam, 1961. 123 p. (MIRA 14:6)
(Electric apparatus and appliances)

ALEKSEYEV, A.G.; BAYUSHKIN, S.N.; MARKELOV, V.V.; NEBESNYY, A.D.; SOKOLOV, D.V., inzh., red.; VOLNYANSKIY, A.K., glav. red.; TARAN, V.D., red.; SEREBRENNIKOV, S.S., red.; MIKHAYLOV, K.A., red.; STAROVEROV, I.G., red.; VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; CHEKHOV-SKAYA, T.P.; red. izd-va; BOROVNEV, N.K., tekhn. red.

[Concise manual on electric wiring operations] Kratkii spravochnik proizvoditelia elektromontaznykh rabot. Pod red. D.V.Sokolova. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 311 p. (MIRA 14:10)

1. Moscow. Gosudarstvennyy proyektnyy institut Tyazhpromelektroproyekt.

(Electric wiring—Handbooks, manuals, etc.)

ALEKSEYEV, Aleksandr Grigor'yevich; ZHIVOV, M.S., red.

[Organization and economics of electrical equipment installation operations] Organizatsiia i ekonomika elektromontazhnogo proizvodstva. Moskva, Izd-vo "Energiia," 1964. 149 p.
(MIRA 17:7)

ALEKSEYEV, A.G., inzh.

Technical servicing and repair of construction equipment in the
United States. Mekh. stroi. 20 no.6:23-26 Je '63. (MIRA 16:5)
(United States—Construction equipment—Maintenance and repair)

ALEKSEYEV, A.G., inzh.

Ventilation of mine workings on the scraper level in a system of induced block caving. Izv. vys. ucheb. zav.; gor. zhur. 5 no.3:68-73 '62. (MIRA 15:7)

1. Moskovskiy gornyy institut. Rekomendovana kafedroy ventilyatsii i tekhniki bezopasnosti Moskovskogo gornogo instituta.

(Mine ventilation)

ALEKSEYEV, A.G., inzh.

Standardization of the amount of poison gases in blasting products formed in large-scale blasting and mining work. Izv. vys. ucheb. zav.; gor. zhur. no. 4:70-76 '61. (MIRA 14:6)

1. Moskovskiy gornyy institut imeni I.V.Stalina. Rekomendovana kafedroy rudnichnoy ventilyatsii i tekhniki bezopasnosti Moskovskogo gornogo instituta.
(Blasting) (Gases, Asphyxiating and poisonous) (Mine ventilation)

USSR/Chemistry - Leucocytes
Chemistry - Crystallization

Aug 48

"Crystallization of Cytoplasmic Nucleic Acids in
Guinea-Pig Leucocytes," A. G. Alekseyev, Sukhumi
Biol Sta, Acad Med Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 5

Confirms existence of anabolites (granules, con-
sisting mainly of plasmic nucleic acid) in
guinea-pig leucocytes.

24/49T11

PA 52/49T7

ALEKSEYEV, A.G.

USSR/Academy of Sciences
Medicine - Prizes

May 49

"Competition for I. I. Mechnikov Prize" 3 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 2

Among 12 works submitted in 1948 Mechnikov Prize competition were: A.G. Alekseyev's "Morpho-physiological and Experimental Observations on the Normal Blood Elements in Mammals. Genesis of the Macrophage" and "Observations on Clinical Hematology". Clinical Value of Eosinophils," A. Ya. Vilenchuk's "A Filtered Form of Pale Spirochetes," I. V. Gromashchik and G. M. Vaynshteyn's edition "Specific Epidemiology," N. I. Letyshev's edition

52/49T7

USSR/Academy of Sciences (Contd)

May 49

of works on "Etiology," "Epidemiology," "Prophylaxis and Preventive Measures," and "Instruction of Cutaneous Leishmaniasis," Sh. D. Koshkovskaya's "Functional Parasitology" and "Cytotropic Stimuli of Infection and Site of Infection," and G. K. Kurshchov's "Role of Blood Leucocytes in Healing Wounds."

52/49T7

~~SECRET~~
ALEKSEYEV, A.G., student IV kursa.

The importance of intermediate medical personnel in the care of
patients with diseases of the oral cavity. Med. sestra no.11:13-15
N '55. (MLRA 9:3)

1. Moskovskiy meditsinskiy stomatologicheskiy institut.
(MOUTH--DISEASES) (NURSES AND NURSING)

21(9)

SOV/89-7-2-8/24

AUTHORS:

Alekseyev, A. G., Gashev, M. A., Dondysh, D. L., Malyshev, I. F., Matora, I. M., Mironov, Ye. S., Monoszon, N. A., Nemenov, L. M., Pirogovskiy, V. V., Romanov, N. A., Strel'tsov, N. S., Fedorov, N. D.

TITLE:

A 1.20-Meter Cyclotron With a Magnetic Pole Diameter (Tsiklotron s diametrom polyusov magnita 120 cm)

PERIODICAL:

Atomnaya energiya, 1959, Vol 7, Nr 2, pp 148 - 158 (USSR)

ABSTRACT:

The device was developed in the Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury (Scientific Research Institute for Electro-physical Apparatus) in collaboration with the Institut atomnoy energii AN SSSR (Institute for Atomic Energy of the AS USSR). The electro-magnet was designed by N. N. Indyukov, Ye. A. Bezgachev, A. V. Klimov under the guidance of B. V. Rozhdestvenskiy and B. Ye. Gritskov (Figs 1 and 2 are cross sections of the electro-magnet). The radial field force was measured in such a way that the error in the center of the field was less than 0.01% of the force of the field. The error at the measurement of the azimuthal inhomogeneity of the field was less than 0.007% of the field force

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A 1.20-Meter Cyclotron With a Magnetic Pole Diameter

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in the center of the field. The position of the magnetic plane was determined by the magnetic scale developed by V. V. Pirogovskiy. For the correction of the magnetic field inside rings and discs were used, which are installed between the poles of the magnet and the lids of the vacuum chambers (sectional views are given). The measurements, the construction method and the assembly of the resonance conductor and of the duants are described in detail (there are sectional views). The acceleration chamber and the resonance conductor (there is a detailed sketch) were constructed by A. I. Alyab'yev, I. F. Zhukov, N. N. Rummyantsev under the supervision of B. I. Produnov. The whole high-frequency installation is shown in a block diagram and there is a short description of part of it. The high-frequency section was developed by G. M. Drabkin, R. V. Vanatovskiy and R. Yu. Protasovskiy under the supervision of A. S. Temkin. The vacuum systems were computed by Ya. L. Mikhelis and N. M. Karpenko. The movement of ions in the ion source and in the central part of the cyclotron is of special importance at the acceleration. This movement was thoroughly studied by I. M. Matora. He developed a special deflector system. The focusing system was computed by Yu. G.

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