

GROMYKO, I.D., starshiy nauchnyy sotrudnik; KOLPENSKAYA, N.P., starshiy
nauchnyy sotrudnik; ROSTOVTSEVA, O.S., starshiy nauchnyy sotrudnik

A unique collection of soil samples. Izv. TSKHA no.5:228-236 '64.
(MIRA 18:5)

1. Pochvenno-agronomicheskoy muzey imeni Vil'yamsa Moskovskoy
ordena lenina sel'skokhozyaystvennoy akademii imeni Timiryazeva.

GOLOLOBOV, V.N.; ASTAPOV, S.I.; GHROMYKO, I.I.; LOMSKOVA, A.L.; BELOUS, B.A., otv.red.; PEVZNER, A.S., zav.red.izd-va; HUDAKOVA, N.I., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 23. [Electric-wiring operations] Elektromontazhnye raboty. No.1. [Electric lighting and strong-current wiring] Elektricheskoe osveshchenie i provodki sil'nogo toka. 1960. 45 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS) pri ordena Lenina trete Yuzhelektromontazh Ministerstva stroitel'stva USSR (for Gololobov, Gromyko). 3. Normativno-issledovatel'skaya stantsiya No.9 Tsentral'nogo normativno-issledovatel'skogo byuro Ministerstva stroitel'stva RSFSR (for Astapov, Lomskova).
(Wages) (Electric lighting) (Electric wiring)

GROMYKO, I.P., inzh. (Gomel'); SORSHER, S.I., inzh. (Gomel')

Water post without a well. Vod.i san.tekh. no.4:34-35 Ap '62.
(MIRA 15:8)

(Water supply)

AFANAS'YEV, Aleksandr Vasil'yevich, professor; GROMYKO, L.G., redaktor;
ROROKINA, Z.P., tekhnicheskij redaktor

[Beneficial and injurious animals of Kazakhstan; sketches] Po-
leznye i vrednye zveri Kazakhstana; ocherki. Alma-Ata, Izd-vo
Akademii nauk Kazakhskoi SSR, 1955. 71 p. (MLRA 9:2)
(Kazakhstan--Zoology)

PARASKIV, Konstantin Petrovich; BANNIKOV, A.G., doktor biologicheskikh nauk, professor, otvetstvennyy redaktor; GROMYKO, L.G., redaktor; POGOZHEV, A.S., redaktor; POPOKINA, Z.P., tekhnicheskii redaktor

[Reptiles of Kazakhstan] Presmykalushchiesia Kazakhstana. Alma-Ata, Izd-vo Akademii nauk Kazakhskoi SSR, 1956. 227 p. (MLBA 9:7)
(Kazakhstan--Reptiles)

Gromyko, L.G.

135-8-15/19

SUBJECT: USSR/Welding

AUTHOR: Gromyko, L.G., Engineer

TITLE: All-Union Conference on Contact Welding (Vsesoyuznoye soveshchaniye po kontaktnoy svarke).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, #8, pp 38-39 (USSR)

ABSTRACT: The article represents a report on the conference held in Leningrad during 10-12 Dec 56, organized by the Welding Research Coordinating Commission, and dedicated to contact welding equipment. Member-correspondent of USSR Academy of Sciences, N.N., Rykalin opened the conference.

The following reports were heard:

Candidate of Technical Sciences N.Ya Kochanovskiy (ВНИИ ЭСО) reported on the production of contact-welding equipment in the USSR and the use of ignitron-contactors, and electronic and electro-pneumatic controls. He stated that the production lags behind the demand, and plants are compelled to develop special welding equipment themselves.

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135-8-15/19

TITLE:

All-Union Conference on Contact Welding (Vsesoyuznoye soveshchaniye po kontaktnoy svarke).

Engineer S.M. Taz'ba of plant "Elektrik" spoke about the series production of different types of welding machines, and the production of component parts for plants which build welding machines themselves.

Candidate of Technical Sciences B.D. Orlov "NIAT" stated that contact welding of aluminum alloys, steel, and titanium is being more widely used in aircraft building, but the capacity of the plant "Elektrik" is insufficient and cannot satisfy the growing demand of the aircraft industry.

Candidate of Technical Sciences A.I. Gulyayev spoke of welding techniques in the British automotive plants and the perspectives of developing a contact welding method at the Gor'kiy Automobile Plant.

Candidate of Technical Sciences N. V. Podola (Electric Welding Institute imeni Paton) reported on contact butt welding of large sections with low-frequency currents. Candidate of Technical Sciences I.V. Zaychik "VNIIESO" reported on three-phase low-frequency equipment and stated that there are USSR-made machines for spot welding of light alloy parts up to 5+5 mm and for

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135-8-15/19

TITLE:

All-Union Conference on Contact Welding (Vsesoyuznoye soveshchaniye po kontaktnoy svarke).

roller-welding of parts up to 3+3 mm thickness. The number of machines available is insufficient and they are not sufficiently reliable, which to a considerable degree is caused by the low quality of USSR-made ignitrons.

Candidate of Technical Sciences S.K. Sliozberg "VNIIESO" spoke of butt flash-welding machines for copper and aluminum tubes developed by his institute, and mentioned the special butt welding machine "MCKH -150" for copper-aluminum tubes, with pneumatic feed of parts during welding and pressing.

Candidate of Technical Sciences N.L. Kaganov "MVTU " spoke of experience with contact welding machines for instrument production and for heavy machinebuilding. Of interest for automatic production lines is the multi-spot a.c. machine with pulsating conveyor, which welds 12 spots in 3-layer stock consisting of a steel bar strip of 22 mm in the mid and two 1 mm tombac sheets on the edges.

P.M. Yastrebov "TsNII-MSP" reported on the application of contact welding in shipbuilding.

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TITLE: All-Union Conference on Contact Welding (Vsesoyuznoye soveshchaniye po kontaktnoy svarke).

V.V. Gorbanskiy "NII-MRTP" spoke of a spot welding machine for ultra-thin parts of radio-tubes and instruments, developed by his institute, and of a machine for roller-welding in shielding gases of thin, high-melting and readily oxidizable metals and alloys.

Among others the conference made the following decisions:

To speed up the reconstruction of the plant "Iskra" and that it specialize in the production of contact welding machines up to 75 KVA. To transfer to the Vilnius plant "Elektroshirpotreb" the production of welding transformers, mobile welding machines "CAK", converters and other arc welding equipment now produced by the plant "Elektrik" which is to specialize on machines of medium and high power. To speed up the construction of a new plant for production of heavy electric welding equipment. To seek possibilities for temporary production of universal contact welding machines in other industries.

ASSOCIATION: Not stated.

PRESENTED BY:

SUBMITTED: 21 April 1957

AVAILABLE: At the Library of Congress.

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Copy 20, 1.0

135-9-9/24

AUTHOR: Gromyko, L.G., Engineer

TITLE: Conference on Friction Welding (Soveshchaniye po svarke treniyem)

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 9, p 25 (USSR)

ABSTRACT: Information is given on a new welding method conference which was called by the Leningrad House of Scientific-Technical Propaganda in April 1957 at which one hundred delegates from Leningrad industrial and scientific research organizations participated. Lathe operator A.I.Chudikov, who has initially suggested the new method, was present. Engineer V.I.Vill' (of VNIIESO) reported on his institute's technology and special equipment. He pointed out that the method is applicable for welding various metals (steel, cast iron, copper, aluminum, titanium). He mentioned that good results were obtained in welding brass with steel, brass with cast iron, brass with copper, and aluminum with duralumin. Vill' stated that the method may be used not only for welding round parts (bars, pipes), but also for welding studs to sheets. He described the device, developed by VNIIESO, for welding long, large-diameter pipes under field conditions (in which two fixed pipes are welded together with the use of a rotating insert

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Conference on Friction Welding

135-9-9/24

clamped between them). He mentioned several experimental welding machines and the semi-automatic welding machine "MCT-1" (built by VNIIESO) for welding cutting tools for the Tool Plant imeni Voskov. Finally he stressed the necessity to extend the VNIIESO industrial design section to work on friction welding equipment. Engineer I. Averin from the Sestroretsk Tool Plant imeni Voskov (Sestroretskiy instrumental'nyy zavod imeni Voskova) spoke on the application of the method for the production of cutting tools and mentioned an experimental welding machine built at his plant, which accommodates work pieces of 16 mm in diameter and develops pressures of up to 2000 kg. The welding process lasts about 18 seconds. The Chief Engineer of the "Pnevmatika" plant, Zelenitskiy, Candidate of Technical Sciences, reported that the method is extensively used at his plant.. It is planned to produce about 40 parts by friction welding, whereby 18 tons of raw material will be saved annually. Engineer Shpeyzman (VNIIESO) reported on the development of an experimental "MCT-1" welding machine for welding carbon and high-speed steel items of up to 20 mm in diameter. The Deputy Director of VNIIESO, N. Ya. Kochanovskiy, pointed out the basic tasks in the development of friction welding. It was

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emphasized that the research section of VNIIESO has to be enlarged to work on friction welding as well as on other new welding processes: as cold welding, welding in shielding gases, etc, and that production facilities must be made available to manufacture the equipment in the required quantity.

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Gromyko, L.G.

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

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

projects of welding structures for many industrial and construction branches were developed in Leningrad. During the years of the Soviet regime more than 1,000 welding engineers were trained in Leningrad. Great successes were achieved in the field of designing and creating new contact welding equipment. Powerful contact machines have been developed and are produced which are technically comparable with the best foreign models. These are butt welding machines of up to 800 kva, single-spot welding machines up to 700 kva, seam welding machines up to 400 kva, multi-transformer multi-electrode welding machines for welding heavy reinforcement nets with the joint transformer power of 6,750 kva (15 transformers of 450 kva). Candidate of Technical Sciences F.F. Benua (LIIVT) delivered the report "Novelties in Automation and Mechanization of the Processes of Electric Arc and Slag Welding" and outlined the work on automation of Welding processes now being done on a large scale in Leningrad. A new method of automatic slag-puddle welding of large-section parts with high-density current (LIIVT) was developed which enables butt welding of

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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. Zemlin, 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

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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

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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

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

welded parts and of welded cluster joints.

3) To specialize the plant "Electric" exclusively on contact machines and experimental series of new equipment, which is destined for series-production at other plants, in order to increase the output of welding equipment.

4) To coordinate the work of VNIIESO and of the plants which produce electric welding equipment, in order to control the nomenclature of products and to meet the modern technical level of welding equipment.

5) To organize within the scope of the Leningrad Sovnarkhos a base for output of equipment for friction welding, cold welding of metals, and for welding in shielding gases.

The necessity of extending research in the field of welding engineering at the Leningrad research institutes and at the chairs of welding at vtuzes, as well as the research and experimental-industrial basis of VNIIESO in order to develop new modern welding equipment, was emphasized.

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AUTHOR: Gromyko, L.G. (Engineer)

SOV/110-58-9-19/20

TITLE: An All-Union Conference on Electric Welding Equipment
(Vsesoyuznoye soveshchaniye po elektrosvarochnomu
oborudovaniyu)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Nr 9, pp 77-79 (USSR)

ABSTRACT: An All-Union Conference on electric welding equipment, held from the 3rd to the 5th February 1958 in Leningrad, was called by the Leningrad Council of National Economy and the All-Union Scientific Research Institute of Electric Welding Equipment at the suggestion of the corresponding division of GOSPLAN, USSR. The conference was attended by about 300 representatives of research institutes, factories, councils of national economy, GOSPLANS USSR and RSFSR, and specialist welders. Forty reports and communications were read. Cand. Tech. Sci. N.Ya. Kochanovskiy, Scientific Assistant Director of the All-Union Scientific Research Institute of Electric Welding Equipment, read the main report 'The Development of the production of electric welding equipment in the USSR for 1959-65'. Cand. Tech. Sci. P.I. Sevbo, of the Institute of Electric Welding imeni Ye.O. Paton,

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An All-Union Conference on Electric Welding Equipment SOV/110-50-1-19/20

described the work of the Institute on arc, electro-slag and contact welding. A communication about the future output of welding equipment from the "Elektrik" Works was given by Engineer L.V. Glebov. The work of the Welding Equipment Research Institute on contact-welding equipment was described by Cand.Tech.Sci. L.V. Zaychik. Cand.Tech.Sci. S.M. Katler, also of the Institute, gave an account of its work on cold welding and friction welding. A.L. Orlov, described the design and modernisation of welding equipment manufactured by the Iskra works. Engineer S.N. Davydov gave a communication entitled 'The operation of electric welding equipment at the Uralmash works and requirements in respect of the future development and manufacture of such equipment in the USSR'. Dr.Tech.Sci. A.S. Gel'man, of the Central Scientific Research Institute of Engineering Technology, stipulated the requirements of welding equipment for heavy engineering. Cand.Tech.Sci. A.T. Galaktionov, of the Ural Polytechnical Institute, described the production of some types of contact-welding machines. Engineer V.I. Timofeyev,

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An All-Union Conference on Electric Welding Equipment

of the ALINMASH, reviewed the use of welding in the oil industry. All the above reports are briefly recounted; another 15 or so each receive a few lines. The conference pointed out the need for quadrupling the output of welding equipment by 1965, with contact-welding equipment comprising at least half the output. Special attention should be paid to mechanising welding and to developing high-output welding equipment for various branches of the economy.

There are no figures.

1. Electric welding--Equipment

Card 3/3

GROMYKO, L.G.

Machines for contact spot welding of light alloys. Biul.tekh.-
ekon.inform. no.11:24-25 '58. (MIRA 11:12)
(Electric welding)

GROMYKO, L.G., insh.

All-Union conference on electric welding equipment. Vest. elektroprom.
29 no.9:77-79 S 158. (MIRA 11:10)
(Electric welding--Equipment and supplies--Congresses)

KOCHANOVSKIY, N.Ya., kand.tekhn.nauk, red.; GROMIKO, L.G., red.;
YEGOROVA, I.A., red.; TERENT'YEV, Yu.Ya., red.; TOLUB'YEVA,
Ye.P., red.; ARIFMETCHIKOV, F.V., red.; RODIONOV, Yu.I., red.;
BALASHOV, V.I., tekhn.red.; BURLAKOVA, O.Z., tekhn.red.

[Welding equipment; annotated catalog] Svarochnoe oborudo-
vanie; katalog-spravochnik. Moskva, Tsentr.in-t nauchno-tekhn.
informatsii elektrotekhn.promyshl. i priborostroeniia, 1960.
359 p. (MIRA 14:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosva-
rchnogo oborudovaniya (for Gromyko, Yegorova, Terent'yev,
Tolub'yeva). 2. Gosudarstvennyy nauchno-tekhnicheskii komitet
(for Arifmetchikov). 3. Tsentral'nyy institut nauchno-tekhnich-
eskoy informatsii elektrotekhnicheskoy promyshlennosti i
priborostroyeniya (for Rodionov).

(Welding--Equipment and supplies)

S/110/60/000/001/003/003
E194/E584

AUTHOR: Gromyko, L. G., Engineer

TITLE: New Electric Welding Equipment

PERIODICAL: Vestnik elektropromyshlennosti, 1960, No.1, pp. 74-79

TEXT: This is a catalogue-style description of new equipment for welding ferrous and non-ferrous metals. It has been developed and introduced into series production by the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya (All-Union Scientific Research Institute of Electric Welding Equipment) (VNIIESO). For each equipment mentioned brief details are given of electrical performance, overall size and weight. Welding rectifiers types BCC-120-3 (VSS-120-3) and BCC-300-2 (VSS-300-2) are intended for manual d.c. arc welding from a three-phase a.c. circuit. The rated secondary voltage is 25-30; the rated currents are 120 A and 300 A respectively. Single-position welding transformers type TC-300 (TS-300) and TC-500 (TS-500) are intended for manual arc welding and metal cutting. The secondary no-load voltage is 60 V and the rated currents 300 A and 500 A respectively. Welding set type A.C.A.-300 (ASD-300) with diesel-

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E194/E584

New Electric Welding Equipment

engine drive is intended for electric arc welding under field conditions. The set can be fitted on a motor truck. It consists of a generator type ГСО-300 (GSO-300) which delivers 300 A d.c. at 30 V, and a four-cylinder diesel engine type 5П4-4ч-8.5/11 (5P4-4ch-8.5/11) of 22 h.p. Equipment type УДАР-300 (UDAR-300) for argon-arc welding is for manual arc welding of aluminium and its alloys on a.c. The secondary voltage is 60 V; the output current can be controlled in the range 50 to 300 A. Automatic equipment type АДПГ-500 (ADPG-500) for welding in a protective atmosphere is intended for electric arc welding using d.c. and steel electrodes. The rated current is 500 A and the welding speed is 15 to 70 m/hr. The electrode feed speed can be controlled in the range 1.5 to 16 m/min. Semi-automatic machine type ПДПГ-300 (PDPG-300) for welding in protective atmospheres is intended for electric arc d.c. welding using steel electrodes. The rated current is 300 A. Automatic equipment type АДК-500-6 (ADK-500-6) is for submerged-arc welding of annular seams. The table can be turned through 90° and the table speed can be adjusted by means of a gear box. The rate of welding is 20 to 70 m/hour the ring welds may

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E194/E584

New Electric Welding Equipment

range from 150 to 600 mm diameter. Capacitor machine type ~~MTI-3-2~~ (MShK-3-2) is intended for resistance seam-welding of stainless steel and non-ferrous metals, from 0.03-0.2 mm thick. The machine makes good joints at a rate of up to 1.5 m/min. The maximum capacitance of the capacitors is 240 μ F. Machine type ~~MTI-50~~ (MShPS-50) for resistance seam-welding makes annular hermetically-sealed welds from 50 to 200 mm diameter in parts made of stainless steel grade 1X18H9T (1Kh18N9T). The output is 50 kVA, the secondary current 3250 A. Machine type ~~MTI-50~~ (MTP-50) is for spot-welding sheets of low carbon steel, from 1 to 5 mm thick, and also stainless low-alloy steels and light alloys. The machine is of 50 kVA and the secondary current is 12 000 A. Machine type ~~MTI-1000~~ (MTIP-1000) is for spot-welding large parts of high-strength light-alloys with one d.c. impulse. The rating is 1000 kVA and the maximum welding current with light alloys is 160 000 A, which can be maintained for a maximum of 0.5 sec. The machine can make 8 to 20 welds per minute, depending on the thickness, and can handle parts of 3 to 7 mm thick. There are 7 figures and 11 tables.

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S/192/60/960/010/001/01.
R0004/0001

1.5400 2708

AUTHOR: Gromyko, L. G.

TITLE: The ПСО-800 (PSO-800) Single-Body Arc Welding Transformer

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, No. 10, 1960, pp. 10-11

TEXT: In 1959 the Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-svarochnogo oborudovaniya (All-Union Scientific Research Institute of Electric Welding Equipment) VNIIESO developed the new PSO-800 welding transformer for automatic submerged arc welding and for special cases of manual welding. The transformer is composed of a d-c welding generator, a three-phase shortcircuited electric motor and a start-control device. The generator armature and the rotor of the electric motor are fitted on the same shaft, the motor is of the flange-type. The six-pole welding generator has falling voltampere characteristics, obtained by the demagnetizing effect of the series exciting winding. The magnetizing winding of the generator is of independent excitation and is supplied from the a-c network, from one of the electromotor phases, through a selenium rectifier. A voltage stabilizer eliminates the damaging effect of the fluctuations of network

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B/055

S/193/60/000/010/001/015
A004/A001

The ПСО-800 (PSO-800) Single-Body Arc Welding Transformer

voltage. The welding generator has two current ranges. The current is steplessly controlled within the limits of each range by a rheostat in the circuit of the magnetizing excitation winding. The control rheostat has a welding current magnitude indicator. The following technical specifications are given: Generator: rated welding current at 65% duty cycle - 800 a, rated voltage - 45 v; control range of welding current - 200 - 800a; efficiency - 67%; electric motor: rated power - 55 kw; network voltage - 220/380 v; speed of rotation of electric motor - 1,450 rpm; efficiency of the transformer - 59%; overall dimensions - (length x width x height) - 1,130 x 650 x 660 mm; weight - 1,040 kg. There is one figure. X

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TERENT'YEV, Yuriy Yakovlevich; GROMYKO, Leonid Georgiyevich;
KOCHANOVSKIY, N.I., nauchnyy red.; POPOV, V.K., red.;
TOKER, A.M., tekhn. red.

[Equipment and control instruments for resistance welding]
Oborudovaniye i apparatura dlia kontaktnoi svarki; al'bom.
Moskva, Proftekhizdat, 1962. 137 p. (MIRA 15:11)
(Electric welding--Equipment and supplies)

GROMYKO, L.G.

New electric welding equipment. Biul.tekh.-ekon.inform.Gos.nauch.-
issl.inst.nauch.i tekh.inform. no.9:47-50 '63. (MIRA 16:10)

GROMYKO, L.G., inzh.

Conference on the use of friction welding in industry and construction.
Svar.proizv. no.2143-44 F '64. (MIRA 18:1)

GROMYKO, L.G., inzh.

Coordinating conference on the production of electric welding
equipment. Svar. proizv. no.7:43-44 J1 '64.

(MIRA 18:1)

GROMYKO, L.G.

Designing new welding equipment. Biul.tekh.-ekon.inform.Gos.
nauch.-igsl.inst.nauch.i tekh.inform. 18 no.11:10-12 N '65.
(MIRA 18:12)

GAYDAR, I.I.; GROMYKO, M.F.

High-precision cup-type automatic differential manometer. Izv.
tekh. no.6:14-16 Je '63. (MIRA 16:8)

(Manometer)

GROMYKO, M.I.; YEFREMOV, V.F., inzhener; OGINSKAYA, I.I., inzhener.

~~CONFIDENTIAL~~
Control desk of a receiving station. Vest.sviazi 16 no.4:10-12
Ap '56. (MLRA 9:9)

1.Nachal'nik priyemny radiestantsii (for Gromyko).
(Radio stations--Apparatus and supplies)

KARPENKO, Zinaida Georgiyevna; OKLADNIKOV, A.P., doktor ist. nauk,
otv. red.; GROMYKO, M.M., kand. ist. nauk, otv. red.;
NAZARYANTS, T.M., red.; LOKSHINA, O.A., tekhn. red.

[Mining and metallurgical industry of Western Siberia during
the period 1700 to 1860] Gornaya i metallurgicheskaya pro-
myshlennost' Zapadnoi Sibiri v 1700-1860 godakh. Novosibirsk,
Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 213 p.

(MIRA 16:7)

(Siberia, Western--Mines and mineral resources)

GROMYKO, V.A., agronom.

For widespread application of the experience of mixed tractor groups.
Nauka i pered. op. v sel'khoz. 7 no.2:55-56 P '57. (MLRA 10:3)

1. Shavkayskaya mashinno-tractornaya stantsiya, Novo-Vasil'yevskogo rayona, Zaporozhskoy oblasti.
(Machine-tractor stations)

BARTON', Nikolay Emmanuilovich, DUBNIKOV, Igor' (AKHIMOVICH) GONIMOV,
I.G., kand. tekhn. nauk, reprints, EKSPERIMENTAL'NAYA
inzh. reprints, GRONDA, V.I., 1965.

[Architectural elements, parts of buildings] Arkhitektu-
rye konstruktivnye chasti zdaniy. Moskva, Vysshaya shkola,
1965. 342 p. (MIRA 18112)

GROMYKO, V.P.

Groups in which the number of different prime π -divisors of the series is equal to the number of classes of noninvariant πd -subgroups. Sib. mat. zhur. 2 no.6:830-834 N-D '61.
(MIRA 15:7)

(Groups, Theory of)

GROMYKO, V.P.

Finite groups in which the number of normal $\widehat{\pi}$ -divisors equals
the number of classes of noninvariant π d-subgroups. Izv. vys.
ucheb. zav.; mat. no.3:40-43 '63. (MIRA 16:4)

(Groups, Theory of)

GROMYKO, M.

Dry cleaning of work clothes. Okhr. truda i sots. strakh. 3
no. 12:50-51 D '60. (MIRA 13:12)
(Moscow--Cleaning and dyeing industry)

GROMYKO, V. [Hramyka, V.], aspirant

A skilled specialist. Rab. i sial. 37 no. 12:18 D '61.

(MIRA 15:2)

(Swine—Feeding and feeds)

GROMYKO, V.P., Cand Ph : Math Sci -- (diss) "~~Concerning~~ ^{the} *problem of the*
classification, solvability, and generalized solvability of
 π -groups." Gomel', 1959, 8 pp (Belorussian State Univ im
V.I. Lenin) 150 copies. Bibliography p 7-8 (22 titles)
(KL, 30-59, 111)

TK

GROMYKO, V.P.

One speciality characteristic of η d-groups. Dokl.AN SSSR 138 no.2:
261-262 My '61. (MIRA 14:5)

1. Belorusskiy institut inzhenerov zheleznodorozhnogo transporta.
Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

GROMYKO, V.P.

Certain indicants of generalized solvability and speciality
of π -d-groups. Dokl. AN SSSR 142 no.6:1231-1232 F '62.
(MIRA 15:2)

1. Belorusskiy institut inzhenerov ~~sholeznodorozhnogo~~
transporta. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

GROMYKO, V.P.

One criterion of \mathcal{N} -solvability of \mathcal{N} d-groups. Sib.mat.zhur. 3
no.2:178-186 Mar-Apr '62. (MIRA 15:4)
(Groups, Theory of)

GROMYKO, V.P. [Hromyko, V.P.]

Finite groups with unattainable isoordic $\overline{\mathbb{Z}}$ d-subgroups. Vestsi
AN BSSR. Ser. fiz.-tekh. nav. no.3:9-13 '63. (MIRA 16:10)

GROMYKO, V.P.

Some theorems on finite groups with a given number of classes of noninvariant conjugate π -groups. Dokl. AN BSSR 7 no.12: 797-799 D '63. (MIRA 17:8)

1. Gomel'skiy gosudarstvennyy pedagogicheskiy institut imeni Chkalova. Predstavleno akademikom AN BSSR N.P. Yeruginym.

GROMYKO, V.P.

A new specialty test for Π d-groups with a given number of classes of unattainable isoordic Π d-subgroups. Dokl. AN SSSR 151 no.1: 23-26 JI '63. (MIRA 16:9)

1. Gomel'skiy gosudarstvennyy pedagogicheskiy institut im. V.P. Chkalova. Predstavleno akademikom A.I.Mal'tsevym.
(Groups, Theory of)

ACC NR: AP7002593

(A, N)

SOURCE CODE: UR/0413/66/000/023/0100/0101

INVENTORS: Gromyko, V. Ya.; Dobrov, N. A.; Zazulin, V. A.; Aslanyan, E. V.; Semin, N. A.

ORG: none

TITLE: An assembly for checking the efficiency of an aircraft engine. Class 42, No. 189230 [announced by Central Institute of Aircraft Engine Construction (Tsentral'nyy institut aviatsionnogo motorostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 100-101

TOPIC TAGS: aircraft engine, engine control system, aircraft engine instrument

ABSTRACT: This Author Certificate presents an assembly for checking the efficiency of an aircraft engine. This assembly contains gauges, gauge commutators, a voltage-to-code converter, memory units for the upper and the lower ranges, digital comparators, an electromagnetic static frequency multiplier, a directing device, a control panel, and a data output device. To increase the speed of the assembly and to lower the dynamic losses originating in converting engine revolutions into coded signals, the output coils of the tachometric gauge are connected to the three-phase coils of the static frequency multiplier. The output coils of the frequency multiplier are connected through a key to the input element of the impulse counter.

Cord 1/1 SUB CODE: 01, 13/ SUBM DATE: 12Jul65/

UDC: 681.149

0930

2708

GRAYED, Yevstafiy Aleksseyevich; GRAYED, V.F., nauchn. red.

[Marine power plants; lectures] Sudovye silovye ustanovki.
sbornik lekttsii. Moskva, Transport. No. 4. 1964. 155 p.
(NIRA 18:1)

GONCHAROV, K.F.; DOBROBORSKIY, S.A.; SIDOROV, P.N.;
KOROSTASHEVSKIY, R.V.; KABANETS, Ya.P.; GROMYKO, Ye.M.;
KARASIK, P.I.; GAZAROV, L.A.; YAKHIN, B.A.; GORIN,
N.V., red.; POLYANSKAYA, Z.P., tekhn. red.

[Ball and roller bearings; catalog and handbook] Shariko-
vye i rolikovye podshipniki; katalog-spravochnik. Izd.2.,
ispr. i dop. Moskva, 1963. 379 p. (MIRA 17:3)

1. Moscow. Tsentral'nyy inatitut nauchno-tekhnicheskoy in-
formatsii po avtomatizatsii i mashinostroyeniyu. 2. Nauchnyye
sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo konstruk-
torsko-tekhnologicheskogo instituta podshipnikovoy promysh-
lennosti (for all except Gorin, Polyanskaya).

PROCESSES AND PROPERTIES INDEX

118

ca

A new method for the purification of the tobacco mosaic virus. V. L. Ryshkov and E. P. Gromyko, *Compt. rend. acad. sci. U. R. S. S.* 19, 203 5(1934) (in English). The leaves and stalks of diseased tobacco or tomato plants were frozen, 328 g. was extd. twice with 250 cc. portions of 0.1 M Na₂HPO₄. The ext. was filtered through paper and a soln. of benzoic acid dissolved in NaHCO₃ (0.9 g. per g. of lactic acid) was added at the rate of 1.5-2 g. acid per 100 cc. of ext. After mixing, N HCl was added until crystals of benzoic acid appeared. These were filtered off and redissolved in a min. quantity of 0.1 M Na₂HPO₄ and the pigments were removed by 2 treatments with activated charcoal. For exts. rich in pigment, 4% and 2% of charcoal were used, for exts. low in pigment, 2% and 1% were sufficient. The virus was then crystal. by Stanley's method (C. A. 30, 5013⁹). Extn. of the benzoic acid and pigments from the aq. soln. with ether were not satisfactory, owing to loss of virus. Salicylic acid might be used instead of benzoic acid. N. McK., Jr.

ASTM-55A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND PROPERTIES INDEX

15

2A

Stability of soil macroaggregates formed by microorganisms. R. N. Mishustin and R. P. Gromyko (Inst. Microbiol., Moscow). *Microbiologiya* 13, 160-75(1946); cf. C. I. 30, 30059. Bacterial slimes and myceliums of fungi take part in aggregating soil particles; but microorganisms also act to break down the aggregates. Cultures of *Stachybotrys*, *Fusarium*, *Trichoderma lignorum*, *Aspergillus planctus*, *Penicillium glaucum*, *Hactomium*, and *Mucor* in sterilized soils (contg. 1% sugar) were tested with soil aggregates. *Hactomium* and a few non-sporogenic fungi in which autolysis is feeble have only slight effects. The disaggregating action varies widely according to conditions; in general, 30-90% of the aggregates are broken down in 30 days. *Actinomyces griseus* broke down 71.4% of aggregates in 14 days in soil contg. 0.1% sugar (48.6% with 1% sugar), whereas *A. coelicolor* broke down only 30 and 3.5%, resp. Sometimes mycelial connective substance stabilizes aggregates by aiding their conversion to difficultly mineralized humus compds. Soil compn. is decisive in these cases. Aggregates formed with bacterial slimes are readily susceptible to bacterial breakdown (e.g. by *Radobacter*, *Asudobacter throsserum*, *B. mucronis*, and *Cytophaga*), but are greatly stabilized by a little toluene. Stabilization by toluene is much weaker in aggregates formed with mycelial substance.

Julian F. Smith

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

1000 624177

1000 624177

NAUMOVA, A.N.; GROMYKO, Ye.P.

Effects of spent gunbrine on microflora of gray arid soils. *Mikrobiologiya*
22, 43-8 '53. (MLBA 6:2)
(CA 47 no.22:12717 '53)

1. Microbiol. Inst., Acad. Sci., Moscow.

GROMYKO, E.P.

Ecology and some morphological and physiological proper-
ties of Bacillus megatherium. E. P. Gromyko (Inst.
Microbiol., Acad. Sci. U.S.S.R., Moscow) ~~Antonie van Leeuwenhoek~~
24, 665-72 (1955).—Southern Soviet soils are richer in *B.*
megatherium than in the north. Cell counts are highest near
the surface and decrease rapidly with depth. The colonies
on blended (1:1) brewers' wort and meat-peptone-agar are
so characteristic that they are useful for identification.
Acting as a typical ammonifier, *B. megatherium* hydrolyzes
starch and will grow in artificial media contg. inorg. N.
Morphologically the cultures differ more in different soils
from the same climate than in similar soils from different
climates. Julian F. Smith

MD (1)

NAUKOV, A.N.; GROMYKO, Ye.P.

Second conference on the problem of phytoncides. Izv. AN SSSR. Ser.
biol. no.5:121-123 S-0 '56. (MLRA 9:12)
(PHYTONCIDES)

GROMYKO, Y.P.

Structure formation and microorganism in Podzol soils [with summary
in English]. Mikrobiologiya 27 no.4:465-471 J1-Ag '58 (MIRA 11:9)

1. Institut mikrobiologii AN SSSR.
(SOIL, microbiology
microorganism population in relation to structure form.
(Ru))

GROMYKO, Ye. P.

Causes of the toxicity of Podzolic soils with respect to Azotobacter. Izv. AN SSSR. Ser. biol. no. 2:265-271 Mar-Apr '60.

(MIRA 13:6)

1. Institute of Microbiology, Academy of Sciences of the U.S.S.R., Moscow.

(PODZOL)

(AZOTOBACTER)

(LIMING OF SOILS)

YEMTSEV, V.T., kand. biolog. nauk, dotsent; SHIL'NIKOVA, V.K., mladshiy nauchnyy sotrudnik; GROMYKO, Ye.P., mladshiy nauchnyy sotrudnik

Natural inoculation of forage bean and kidney bean plants in turf-Podzolic soils. Izv. TSKHA no.4:55-64 '63. (MIRA 17:1)

1. Institut mikrobiologii AN SSSR. 2. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva (for Shil'nikova).

GROMYSZ, Kazimiera

Research on the plasticity of building behavior in caterpillars of the
Bagworm *Psyche viciella* Schiff. *Folia biol* 8 no.4:351-416 '60.

(EEAI 10:6)

1. Department of General Biology and Zoopsychology, Catholic University
Lublin. Head: W.Kalkowski, D.Sc., M.Ph. Department of Zoopsychology
and Ethology, Jagellonian University, Krakow. Head: R.J.Wojtusiak,
D.Ph.

(PSYCHE VICIELLA)

GROMYSZ-KALKOWSKA, Kazimiera (Krakow)

How do caterpillars of the bagworm *Psycha viciella* Schiff. build their little houses? *Wszechswiat* no.9:205-210 S '63.

JENEY, Ivan; LOHRIE, Friedrich; GROMZIG, K.H.

Automation and modern automatic electroplaters. Gep 15 nd.1:
16-22 Ja '63.

GRON, G.N.

Causes and control of destructive factors in the vicinity of
oil-bearing strata in pumping wells. Trudy Akad. neft. prom.
no.2:212-229 '55. (MLRA 8:5)
(Oil well drilling)

BOBYR', V.V. [Bobyry, V.V.]; GRONA, L.Ya. [Hrona, L.IA.]; STRIZHAK, V.I.
[Stryzhak, V.I.]

Amplitude-time selection of pulses for investigating the interaction
of neutrons from the D (T,d) He⁴ reaction with atomic nuclei. Ukr.
fiz. zhur. 5 no. 5:591-596 S-0 '60. (MIRA 14:4)

1. Institut fiziki AN USSR.
(Nuclear reactions) (Neutrons) (Nuclei, Atomic)

STRIZHAK, V.I. [Stryzhak, V.I.]; BOBYR', V.V. [Bobyry, V.V.]; GRONA, L.Ya.
[Hrona, L.IA.]

Angular distribution of 14 Mev. neutrons elastically scattered by
atomic nuclei. Ukr. fiz. zhur. 5 no. 5:702-703 S-O '60.
(MIRA 14:4)

1. Institut fiziki AN USSR.
(Neutrons--Scattering) (Nuclei, Atomic)

22122

S/056/61/040/003/002/031
B111/B702

24.6600

AUTHORS: Strizhak, V.I., Bobyr', V.V., Grona, L.Ya.

TITLE: Angular distribution of elastically scattered
14.5-Mev neutrons

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki,
v. 40, no. 3, 1961, 725 - 728

TEXT: The authors study the differential elastic cross sections of 14.5-Mev neutrons in Ag, Hg, and Bi. The neutrons were obtained from the reaction $T(d,n)\alpha$, scattered from spherical scatterers, and recorded in coincidence with the alpha particles with the aid of a pulse-height time selector with a resolving time of $5 \cdot 10^{-9}$ sec. The authors aimed at comparing the results of measurements with the optical nuclear model. For this purpose the method of electronic collimation of neutrons was used. Fig. 1 schematically shows the experimental arrangement. The method of collimation is based on the correlation of the neutrons with the accompanying alpha particles and can be realized with the aid of a pulse-height time selector.

Card 1/8 >

22122

S/056/61/040/003/002/031
B111/B202

Angular distribution of ...

A scintillation counter (stilbene, crystal diameters 3.5 cm, heights 2.4 cm) with an FeU-33 (FEU-33) photomultiplier was used as neutron detectors. The collimation curve was obtained by measuring the neutron flux when rotating the neutron detector around the target. The half-width of the collimated neutron-beam is 9° . Fig. 3 shows the block diagram of the pulse-height time selector. The heights of the pulses from the anodes of the photomultiplier were limited by means of $6\text{J}5\pi$ (6Zh5P) pentodes, their duration was limited by means of a short-circuited part of a coaxial cable; to select the coincidences, the pulses were then fed into the diode. In this selector a triple coincidence circuit with a resolution of $5 \cdot 10^{-7}$ sec was used. A slow coincidence circuit permitted the exclusion of inelastically scattered neutrons, gamma rays, and the background of the photomultiplier.

$$\sigma_{el}(\beta) = S(\beta) \left[\frac{R_1 R_2}{R_1 + R_2} \right]^2 \times \exp\{n\sigma_{in} d\} [NB(E_n)\gamma]^{-1} \quad (2)$$

is obtained for the differential scattering cross section. R_1 - distance source - scatterer, R_2 - distance scatterer - detector, n - number of nu-

Card 2/8-3

S/056/61/040/003/002/031
B111/B202

Angular distribution of ...

clei/cm³ in the scatterer; σ_{in} - scattering cross section for inelastic collisions; d - thickness of the scatterer; N - number of scattering nuclei; B(E_n) - factor which takes account of the energy sensitivity of the detector; η - factor which takes account of the configuration of the collimated neutron beam. Fig. 4 gives the experimental data and the theoretical curves. The angles are given in the laboratory system. The statistical errors lie between 4 % at scattering angles below 50°, and 7 - 8 % at large angles. The agreement between measured and calculated angles is sufficiently good. There are 4 figures and 12 references: 3 Soviet-bloc and 9 non-Soviet-bloc.

ASSOCIATION: Institut fiziki Akademii nauk Ukrainskoy SSR (Institute of Physics, Academy of Sciences Ukrainskaya SSR)

SUBMITTED: August 24, 1960

Card 3/8.3

22122

BOBYR', V.V.; GRONA, L.Ya.; STRIZHAK, V.I.

Angular distribution of neutrons with an initial energy of 14 mev.
inelastically scattered on carbon, nitrogen and sulfur. Zhur.
eksp.i teor.fiz. 41 no.1:24-25 J1 '61. (MIRA 14:7)

1. Institut fiziki AN Ukrainskoy SSR.
(Neutrons—Scattering) (Scintillation spectrometry)

BOBYR' V.V.; GRONA, L.Ya.; STRIZHAK, V.I.

Scattering of 14 Mev. neutrons by magnesium. *Izv.vys.ucheb.zav.;fiz.*
no.2:111-113 '63.

(MIRA 16:5)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko.
(Neutrons—Scattering) (Magnesium)

Organization of the assembling of heating and mechanical equipment in electric power plants, Pt. 2, p. 4. (ENERGETIKA, Stalinograd, Vol. 9, no. 1, Jan./Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, JUn. 1955, Uncl.

1940, ...

Refractory concrete and other materials, p. 101.

МОНЕТКА. Vol. 10, no. 2, Jan./Apr. 1941, Warszawa, Poland.

CC: Monthly list of West European possessions (PAL: 10). Vol. 1, no. 1, Dec. 1942.
The.

L3828

P/022/62/000/009/002/002
I010/I242

6.5200 (4405)

AUTHOR: Gronau, Ludysław

TITLE: The problem of improving the contrast of magnetic tape recording

PERIODICAL: Przegląd Telekomunikacyjny, no.9, 1962, 267-273

TEXT: The technical features of tape recording are discussed. Recording contrast can be improved by (1) stronger magnetizing of the magnetic carrier, (2) decreasing the noise level of the recording, (3) reduction of the constant remanence of recording. Agfa tape of type CR and FR (or their equivalents) give at present much better results than C-type tape. The noise caused by the constant magnetic field of the earth (about 0.2 oersteds) and by the occasional fields of permanent magnets is decreased by 4 to 8 dB by double shielding. The influence of the internal constant field and of the HF erase

Card 1/2

P/022/62/000/009/002/002
I010/I242

The problem of improving the contrast of...

current is discussed. Since measurement of the constant component of remanence by conventional methods is very difficult, the use of an Agfa special tape, for transformation of the constant into an alternate magnetic flux is suggested. This method allows the measurement of a sensitivity increase by 40 dB. EMI and East German tape recorders have a relatively high noise. A newly designed erase generator which uses a E3100 tube (circuit diagram not given) and the use of a new double-slit playback head decreased the noise level to -50dB. The special tape is extremely useful for practical measurements. There are 9 figures.

Card 2/2

L 32847-66
ACC NR: AP6024126

SOURCE CODE: PO/0022/65/000/011/0335/0341

AUTHOR: Gronau, Ladyslaw (Master engineer)

42
B

ORG: Institute of Electrical Engineering (Instytut Elektrotechniki)

TITLE: Amplification of a voltage difference

SOURCE: Przegląd telekomunikacyjny, no. 11, 1965, 335-341

TOPIC TAGS: voltage amplifier, circuit design, pulse signal

ABSTRACT: The article discusses various methods of amplifying the difference of two voltage signals. Several combinations of input signals are considered, the output signals and the amplification principle are analyzed accordingly. General relations which govern the operation of an actual difference amplifier are derived and the effects of individual circuit parameters are examined. Several special amplifier circuits are described, namely: one with high dynamic resistance, an asymmetrical amplifier, an asymmetrical amplifier with compensation, a difference amplifier with both cathodes coupled and a difference amplifier with a pentode. Orig. art. has: 12 figures and 51 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: none / SOV REF: 001 / OTH REF: 013

UDC: 621.396.64
2916 / 789

LS
Card 1/1

GRONAU, Ladyslaw

Increasing the speech and music storing capacity of magnetic
type recorders used in broadcasting studios. Przegł telekom
35 no.5/6:140-150 My-Je '63.

1. Instytut Elektrotechniki, Warszawa.

GRONAU, Ladyslaw, mgr inz., adiunkt

Mechanical sound recording. Problemy 20 no. 9:539-551 '64.

1. Institute of Electrical Engineering, Warsaw.

VERESHCHAK, F.P.; YEFREMOV, V.V., zasl. deyatel' nauki i tekhniki
RSFSR, doktor tekhn. nauk, prof.; GRONDA, V.I., red.;
BARANOV, Yu.V., tekhn. red.

[Reconditioning motor-vehicle parts by electrolytic deposition]
Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim
narashchivaniem. n.p. Rosvuzizdat, 1963. 33 p.
(MIRA 16:12)

(Motor vehicles—Maintenance and repair)
(Electroplating)

MIKHAYLOV, V.V.; IVANOV, N.N., prof., red.; GRONDA, V.I., red.;
YASHUKOVA, N.V., tekhn. red.

[Construction of bituminous pavements] Stroitel'stvo do-
rozhnykh pokrytii s primeneniem bitumov. Pod red. N.N.
Ivanova. Moskva, Rosvuzizdat, 1963. 42 p.

(MIRA 16:12)

(Pavements, Bituminous)

POLIVANOV, Nikolay Ivanovich, doktor tekhn. nauk, prof.;
GOLUBKOVA, Ye.S., red.; GRONDA, V.I., red.

[New systems of automobile and city reinforced concrete
bridges] Novye sistemy avtodorozhnykh i gorodskikh zhe-
lezobetonnykh mostov. Moskva, Rosvuzizdat, 1963. 48 p.
(MIRA 17:5)

IVASHCHENKO, T.M.; LAKHTIN, Yu.M., doktor tekhn. nauk, prof.,
red.; GRONDA, V.I., red.; SHVETSOV, S.V., tekhn. red.

[Structural steels and aluminum alloys] Stroitel'nye stali
i aliuminievye splavy. Pod red. IU.M.Lakhtina. n.p. Ros-
vuzizdat, 1963. 56 p. (MIRA 16:12)
(Steel, Structural) (Aluminum alloys)

POLIVANOV, N.I., doktor tekhn. nauk, prof.; GRONDA, V.I., red.;
YASHUKOVA, N.V., tekhn. red.

[Designing prestressed spans for reinforced concrete auto-
mobile bridges] Raschet predvaritel'no napriazhenykh pro-
letnykh stroenii zhelezobetonnykh avtodorozhnykh mostov.
Moskva, Rosvuzizdat, 1963. 63 p. (MIRA 17:3)

GIBSHMAN, Ye.Ye., prof.; SLOBODCHIKOV, A.Ya., dots.; GRONDA, V.I.,
red.

[Municipal engineering structures] Gorodskie inzhener-
nye sooruzhenia. Moskva, Rcsvuzizdat, 1963. 72 p.
(MIRA 17:6)

AYZIKEVICH, B.N.; GRONDA, V.I., red.; BARANOV, Yu.V., tekhn. red.

[Laboratory work on the course "Allowances, Fits, and
Technical Measurements" for technical schools] Laborator-
nye raboty po kursu "Dopuski, posadki i tekhnicheskie iz-
mereniia" dlia mashinostroitel'nykh tekhnikumov. [n.p.]
Rosvuzizdat, 1963. 76 p. (MIRA 17:3)

BALOVNEV, V.I.; GRONDA, V.I., red.; DUBROVSKIY, A.Kh., red.

[New methods of calculating the resistance of soils to cutting] Novye metody rascheta soprotivlenii rezaniu gruntov. St.Shehorbinka, Kosvuzizdat, 1963. 94 p.
(SIRA 1749)

RABINOVICH, Emmanuil Abramovich; GRONDA, V.I., red.; SHVETSOV,
S.V., tekhn. red.

[Laboratory work in general electrical engineering] La-
boratornye raboty po obshchei elektrotekhnike; uchebno-
metodicheskoe posobie dlia tekhnikumov. [n.p.] Rosvuzizdat,
1963. 135 p. (MIRA 16:12)
(Electric engineering--Laboratory manuals)

KHLUSOV, Andrey Yevstaf'ievich; POPOV, L.N., kand. tekhn. nauk, retsenzent; CRONDA, V.I., red.; SERGEYEV, V.M., red.; YASHUKOVA, N.V., tekhn. red.

[Exercises and course projects in load-lifting and conveying equipment of building materials plants] Uprazhnenia i kursovoe proektirovanie po gruzopod"omnomu i transportnomu oborudovaniiu zavodov stroitel'nykh detalei. Moskva, Rozvuzizdat, 1963. 139 p. (MIRA 17:3)

NAGIBIN, G.V.; BUDNIKOV, P.P., akademik, zasl. deyatel' nauki i tekhniki RSFSR i Ukr.SSR, retsenzent; MATVEYEV, M.A., prof., doktor tekhn. nauk, red.; GRONDA, V.I., red.; SHVETSOV, S.V., tekhn. red.

[Principles of building materials technology] Osnovy tekhnologii stroitel'nykh materialov. Pod red. M.A.Matveeva. Vladimir, Rosvuzizdat, 1963. 363 p. (MIRA 16:5)

1. Akademiya nauk Ukr.SSR, chlen-korrespondent Akademii nauk SSSR (for Budnikov).

(Building materials)

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CHWALIBOG, Jan and GRONEK, Wojciech, Wojewodztwo Department of Veterinary Hygiene in Gorzow Wielkopolski (Director: Dr. Jan CHWALIBOG)

"Brucellosis in a Hare."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 7, Jul 63, p 398.

Abstract: Body of a shot hare supplied to the Dept. by a local hunting club was examined, with the macroscopic examination revealing nodes on the liver and spleen. Bacteriological tests were negative. The serum was hemolyzed and CF test could be performed, but agglutination with a suspension of Brucella abortus bovis gave a +++ reaction. Sections of the liver and spleen sent to the Special Tests Laboratory (Pracownia Badan Specjalnych) of the Institute of Marine Medicine (Instytut Medycyny Morskiej) in Gdansk came back with the note: "Brucella was obtained from cultures of submitted material. There are no references.

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