

SYROMYATNIKOV, I. A.

691 313 121 311 13
I. A. SYROMYATNIKOV

104-4-1/40

AUTHOR: Syromyatnikov, I.A., Doctor of Technical Sciences.

TITLE: On certain questions of technical policy in the region of the operation of power systems. (O nekotorykh voprosakh tekhnicheskoy politiki v oblasti ekspluatatsii energosistem)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957, Vol.28, No.4, pp. 41 - 44 (U.S.S.R.)

ABSTRACT: For many years, Soviet power engineering developed under particularly difficult conditions and the means available for installing reserve power capacity were limited. Therefore, special measures had to be taken to ensure reliable operation of power systems. These measures have followed two main directions: the introduction of prophylactic maintenance testing including high voltage testing of installations and regular repair work; the introduction of automatic systems intended to improve the reliability of the power system and also to suppress faults quickly. Equipment of this kind includes automatic field regulators and excitation forcing devices. Operating experience has shown that the measures adopted have been very effective and cheap, not only when there is an acute deficiency of power but also under normal conditions. Considerable benefits have resulted from improvements in the stability of parallel operation. However, at one time certain

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On certain questions of technical policy in the region of the operation of power systems. (Cont.)

104-4-12/40
specialists disapproved of the measures taken to improve stability of parallel operation, such as automatic field control and forcing, considering that it was dangerous for the equipment and that the best procedure was that of automatic unloading by voltage drop. The installation of excitation forcing amply justified itself in practice. The introduction of prophylactic maintenance repairs and testing greatly improved the reliability of the equipment.

The introduction of automatic equipment has of course certain negative features. The use of automatic reclosure can cause peaks of current and load and increases the number of operations of circuit breakers under fault conditions, and the equipment must be looked after. Because of these defects some power engineers think that automatic equipment and maintenance testing and repairs are unnecessary. Some engineers refer uncritically to the fact that such equipment is hardly used in the power systems of Western Europe. Some also suppose that these measures will only be necessary so long as there is a shortage of reserve power capacity.

2/4 These views require correction and attention should be drawn to the following circumstances. The relatively small

On certain questions of technical policy in the region of the operation of power systems. (Cont.)

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number of system faults in the USSR in recent years is mainly a result of the extensive application of automatic equipment. Many years of operating experience has shown that the self-synchronisation method of switching does not damage electrical machines. It has also been demonstrated that automatic repeated reclosure and the high voltage testing of electrical equipment does not damage the equipment. In many foreign power systems the absence of system automatic equipment causes faults to develop extensively despite the presence of considerable reserves of power in both stations and systems. There can be no doubt that the cost of prophylactic repairs and testing is repaid many times over by a reduction in the cost of installation of reserve power. It should be noticed that power system automation is gradually beginning to be introduced in capitalist countries and so is prophylactic testing. However, foreign power engineers are not all of one opinion and this leads to slow introduction of advanced methods of working.

3/4 System automatics and prophylactic testing will not become less important with the increase of reserve power and the unification of power systems in the USSR. Indeed, with the unification of power systems in the sixth Five Year Plan and with

BOBROV, A.A., DVORETSKIY, A.I., ZELIKMAN, V.G., LOSHAK, B.O., red., SYROMYATNIKOV, I.A., SHUKHER, S.M.; BORUNOV, N.I., tekhn. red.

[Handbook for studying operating regulations for electric power stations and systems] Posobie dlia izucheniia pravil tekhnicheskoi ekspluatatsii elektricheskikh stantsii i setei v semi vypuskakh. Moskva, Gos. energ. izd-vo. Pt. 1. [Transportation and fuel management in electric power plants] Toplivo-transportnoe khoziasitvo elektrostantsii. 1958. 286 p. (MIRA 11:10)
(Electric power plants)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof. (Moskva); BUCHIDZE, S.R.,
kand. tekhn. nauk (Tallin); ORLOVSKIY, A.V., prof.; POSSE, A.V.,
kand. tekhn. nauk; AKSEL'ROD, M.M., inzh.; GERTSIK, A.K., inzh.;
GROYS, Ye.S., inzh.; KVIATKOVSKIY, V.M., inzh.

Outlook for d.c. power transmission in the Soviet Union. Elektri-
chestvo no.2:72-78 F '58. (MIRA 11:2)

1. Chelyabinskiy politekhnicheskii institut (for Orlovskiy). 2. Nauch-
no-issledovatel'skiy institut postoyannogo toka (for Posse, Aksel'rod,
Gertsik, Groys, Kvyatkovskiy).
(Electric power distribution--Direct current)

AUTHOR: Syromyatnikov, I.A., Professor 91-58-6-2/39

TITLE: Concerning the Paper of V.L. Smol'nikov "Overvoltages Resulting From Higher Harmonics" (Po povodu stat'i V.L. Smol'nikova "O perenapryazheniyakh ot vysshikh garmonik")

PERIODICAL: Energetik, 1958, Nr 6, p 5 (USSR)

ABSTRACT: A paper by Engineer V.L. Smol'nikov under the title "Overvoltages Resulting From Higher Harmonics", was published in the Nr 3, 1958 issue of this periodical. The author of subject article points out that Smol'nikov's conclusion is wrong, that transformer groups with open delta circuits are not to be switched on. Switching on of these transformers is permissible when it is performed from the 110 kv side under the condition that the neutral is grounded. Switching on from the 35 kv side is not permissible, since it may cause dangerous overvoltages. Since cases are very rare in which transformers will work with open delta circuits, it is not necessary to install coordinating spark gaps at the low voltage outlets. The aforementioned statements concern not only transformers with three windings but also those with two windings. A case where a transformer group workes with an open delta circuit is described in a paper written by the author, entitled

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91-58-6-2/39

Concerning the Paper of V.L. Smol'nikov "Overvoltages Resulting From Higher Harmonics"

"A Case in Which a Transformer Group Worked in Wye-Wye Circuit" and published in the periodical "Elektricheskiye stantsii, Nr 8, 1941.

AVAILABLE: Library of Congress

Card 2/2

1. Transformers-Performance
2. Transformers-Characteristics

SYROMYATNIKOV I. A.

AUTHOR: Yevseyev, A. A., Engineer SOV/ 105-58-7-21/32

TITLE: Conference on Developmental Problems of the Production of Transformers in the USSR (Soveshchaniye po voprosam razvitiya otechestvennogo transformatorostroyeniya)

PERIODICAL: Elektrichestvo, 1958, Nr 7, pp. 82 - 83 (USSR)

ABSTRACT: The conference took place from March 5th to March 6th, 1958, in Moscow. It was called by State Scientific Technical Committee Attached to the Council of Ministers of the USSR (Gosudarstvennyy nauchno-tehnicheskiiy komitet Soveta Ministrov SSSR) together with the Gosplan USSR (Gosplan SSSR). This conference was attended by: scientists and engineers from Moscow, Leningrad, Kiyev, Khar'kov, Sverdlovsk, Alma-Ata, and other cities, representatives of the Sovnarkhozes, the Technical Office Attached to the Ministry of Electric Power Plants, of the Building Authorities RSFSR, of the Gosstroy USSR, of the Committee of Standards, of the Electric Installation Organisations, and by the co-workers of the transformer works Moscow, Zaporozh'ye, "Uralelektroapparat", Armelektrozavod, as well as by the All Union Scientific Research-and Planning Institutes VEI, VTI, GIDEP, VNIIChermet, VNIIE, MEI and

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Conference on the Developmental Problems of the
Production of Transformers in the USSR

SOV/105-58-7-21/32

others. The representatives of organisations which have transformers in operation were invited as well. Professor I.A. Syromyatnikov (GNTK SSSR) opened the conference and pointed out the shortcomings and objectives in the production of transformers. The Deputy Chief Constructor A.M. Chertin, Moscow Transformer Works imeni Kuybyshev (Moskovskiy transformatornyy zavod im. Kuybysheva) reported on the working out of plans for the new series of the 110 kW transformers in the case of which the total losses are lower by 30%, and the idling losses by 40% - 50%, compared with the GOST 401-41. In 1959 these transformers will be put in operation to a large degree. Chief Engineer I.A. Antonov, Zaporozh'ye Transformer Works (Zaporozhskiy transformatornyy zavod) reported on the new series of transformers with a power of 560 - 5600 kVA at 10 and 35 kV, 7,5 - 31,5 MVA at 35 kV, 90 - 240 MVA at 110 kV, 90 - 240 MVA at 220 kV, 15 - 60 MVA at 150 kV and on the series of autotransformers 220/110/HH with 120 - 300 MVA for monophasic units and 180 - 450 MVA for three-phase units. Chief Engineer A.N. Dolgov (Trust "Tsentronelektroset'stroy" MES) spoke about practical experience gained in assembling transformers and autotransformers with high power

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STROMYATNIKOV, I.A., prof., doktor tekhn.nauk

Basic technical-progress directions of power engineering in the
U.S.S.R. Trudy VZEI no.9:3-26 '58. (MIRA 12:10)
(Power engineering)

SYROMYATNIKOV, I.A., doktor tekhn. nauk.

Problems in planning and operating step-down substations. Elek. sta.
29 no.2:78-81 F '58. (MIRA 11:3)

(Electric substations)

SYROMYATNIKOV, I.A., red.; VINOGRADOV, A.A., red.; BORUNOV, N.I.,
tekhn.red.

[Synchronous engines; collected studies] Sinkhronnye
dvigateli; abornik statei. Moskva, Gos.energ.izd-vo, 1959.
222 p. (MIRA 12:8)
(Electric motors, Synchronous)

8(5)

SOV/105-59-10-1/25

AUTHOR:

Syromyatnikov, I. A., Doctor of Technical Sciences, Professor

TITLE:

Selection of Power Data for the Electrical Equipment and the Electric Drive in Consideration of the Power System

PERIODICAL:

Elektrichestvo, 1959, Nr 10, pp 1-8 (USSR)

ABSTRACT:

The author finds fault with the fact that clear data are not taken into account for the selection of the electrical equipment and the electric drive. The reliability and durability of the equipment, the consumption of active and reactive power per unit of the product to be made, the better efficiencies under otherwise equal conditions are frequently not considered because of departmental interests. For the same reason, equipments are manufactured on an insufficient scale and are not supplied to consumers. He points out that power installations and electrical equipment form the most important elements of the power system. Planning and determination of the optimum design of these equipments is to be based on the most favorable results for the National Economy. Methods of technical and economic calculation must be based on the period of service. If there are more than two variations possible, the minimum expenses must form the basis. The latter may be calculated according to

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Selection of Power Data for the Electrical Equipment and the Electric Drive in Consideration of the Power System SOV/105-59-10-1/25

formulas (2) and (3) and price-lists. These aspects are illustrated here by the planning of alternators and electric motors, by the selection of reactive power sources and power transformers, and corresponding recommendations are given. There are 4 tables and 1 Soviet reference.

ASSOCIATION: GNTK Soveta Ministrov SSSR (State Scientific-technical Committee at the Council of Ministers of the USSR)

SUBMITTED: March 9, 1959

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SyROMYATNIKOV, I. A.

8(2)
AUTHOR: Osadchako, E. I., Engineer
TITLE: Conference on the Results and Prospects of the Development of Soviet Relay Construction

SOV/105-59-10-2/75

PERIODICAL: Elektrichestvo, 1959, No. 10, pp 86-87 (USSR)

ABSTRACT:

An All-Union Scientific-Technical Conference was held at Cheboksary from July 7 to 11, 1959. It dealt with the results obtained in relay construction during the last nine years. Furthermore, the prospects of the further development of relay construction, and the protection and automation of electric installations were outlined. The Conference was attended by representatives of scientific research institutes, planning institutes and colleges, special laboratories, planning administrations, of the Sovetskoyemorg (All-Union Main Power Administration), and the Ministry of Power Systems. The representatives of the Cheboksarskiy plant of power systems, the representative Electric Apparatus M. M. Kalyuzhnyy zavod (Cheboksary Plant for the manufacture of electric apparatus) and the plant reported on the achievements of the plant in the modernization and the development of new highly sensitive and high-speed relays and protective circuits. V. L. Fabrikant, Candidate of Technical Sciences, spoke

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"Developments in Foreign Relay Construction". Professor I. A. Syromyatnikov, Doctor of Technical Sciences, spoke about his investigations in relay construction in the United States and delivered a report on "The Way of Further Development of Soviet Power Engineering". Engineer V. M. Yarmolichuk, Candidate of Technical Sciences, spoke about the design of complicated integrating Control Circuit Protective Devices". M. I. Masary, Candidate of Technical Sciences, spoke about the work of the NIIE for the development of protective supply units. Ye. D. Saultz, Candidate of Technical Sciences, delivered a speech "On the Usefulness of Developing Protective Devices With a Sensitive Electromechanical Element". Engineer Yu. A. Gazarankov, "Prospects of the Development of Relay Protection With Semiconductor". Engineer V. I. Grinshhorn reported on the development of the resistor- and power relay with semiconductor. Professor A. B. Dumakov, Doctor of Technical Sciences, spoke about the prospects of further employment of vacuum relays in relay construction, the manufacture of large oil- and air-circuit breakers and plants. "Elektronoparat" and "Uralklektrooparat" was sharply criticized. The conference pointed out that automatic frequency- and power controllers,

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grouped installations for excitation and power control, modern automatic apparatuses and other devices, which are indispensable in the batteries of static condensers which are indispensable in the full automation of electric installations have not yet been provided for in the Soviet manufacturing program.

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Sukomyalnikov IA

8 (0)
ATTORNEY:

Ambalashvili, G. D., Gabskhvili, B. F., SOV/105-59-11-51/32
Gorbenko, S. M., Kuchin, I. S., Kishkoyants, L. O.,
Korotkiy, A. I., Koshchakov, A. Ya., Chubalskiy,
D. P., Kuzin, B. B.

Ye. M. Sukhrade (Deceased)

PERIODICALS:

Elektrichestvo, 1939, No 11, p 95 (MOS)

ABSTRACT:

[Report] died on August 9, 1939, 45 years
old. He had completed his studies at the elektrotehni-
cheskiy fakul'tet Gruzinskogo industrial'nogo instituta (De-
partment of Electrical Engineering of the Georgian Industrial
Institute) Ye. M. Sukhrade worked in Jerevanopol' and Tbilisi
in the central laboratories of the Gruzenergo. In 1928 he
assisted in the organization of the Tbilisnaki filial
vysokonaporochno-energeticheskogo inzhiniringa elektrosnabzheniya
Gruzii (Department of High Voltage Engineering of the
Scientific Research Institute of the Ministry of
Agriculture) which was later reorganized into the Gruzinskii
nauchno-issledovatel'skiy institut mekhanizatsii i elektrifi-
katsii sel'skogo khozyaystva (Georgian Scientific Research
Institute for the Mechanization and Electrification of Agriculture).

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Since 1944 he worked at the Kafedra Tsentral'nogo elektrotekhnicheskogo
inzhiniringa i setey Gruzinskogo politekhnicheskogo instituta
(Chair of the Central Electric Power Plants and Networks of
the Georgian Polytechnical Institute). There is 1 figure.

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Syeomya T. V. Kov. I. A.

8 (0)
AUTHORS:
Kositsko, M. P., Kulsharkin, V. S., 807/105-99-11-27/92
Krasnikova, V. A., Isakov, V. A., Galabada, I. I., Korovin, D. P.,
Krasovskaya, A. A., Rozov, F. G., Patra, I. I., Babarin,
A. V., Sokolov, M. M., and others

TITLE:
Professor M. G. Chilikin. On His 50th Birthday and His 25th
Year of Scientific, Engineering, and Pedagogical Activity

PERIODICAL:
Elektrichestvo, 1959, Nr 11, p 91 (USSR)

ABSTRACT:
Professor Mikhail Grigor'evich Chilikin is Director of the
Mokhovskiy Svyazna Leninga energotekhnicheskii Institut (Moscow Order
of Lenin Institute of Power Engineering) and a specialist in
the field of electric drive. Professor M. G. Chilikin wrote
his dissertation for his application as Candidate of Technical
Sciences in 1936, in 1951 he was appointed professor and in
1954 he obtained the degree of a Doctor of Technical
Sciences. Since 1951 he has taught at the Kafedra "Elektro-
oborudovaniye promyshlennyykh predpriyatiy" (Chair for
Electrical Equipment of Industrial Enterprises) of MEI. He holds
lectures on electric drives and dealt with the construction of
electric drive systems. In 1952 he became head of the afore-
mentioned Institute. He issued ninety papers on teaching

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methods in universities, on scientific problems of electric
drives and electricities. He has supervised 100 students, 100
workers and university students. M. G. Chilikin is President
of the Nauchno-tekhnicheskii komitet po avtomatizirovannomu
elektroprivodu i primeneniyu elektricheskikh mashin (Scientific
and Technical Committee for Automated Electric Drives and the
Use of Electrical Machines), President of the sektorya energo-
vostanovlyayemykh tekhnicheskikh mashin (Section for the Energy-
Equipment of the Technical Council of the Gosplan USSR), Member
of the Editorial Council of the Gosenergoizdat (State Power
Engineering Publishing House), Member of the Board of Editors
of the periodical "Elektrichestvo". He was a member of the
Bureau of a rayon Committee of the CPSU, and four times delegate
to the Komsomol (Moscow Soviet). He received the Order of the
Red Banner of Labor and other awards. There is 1 figure.

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Syromy A. I. NIKOV, I. A.

8(O)
AUTHORS:
Aleksyev, A. A., Bogoroditskiy, N. P., Glebov, I. A.,
Dabko, R., Sidorov, A. G., Kapitsa, P. L., Kulobskiy, V. S.,
Rajman, L. I., Syromy, A. I., et al

TITLE:
Academian M. P. Kostenko. On His 70th Birthday and the
40th Anniversary of His Scientific and Pedagogic Activity
Elektrichestvo, 1959, Nr 12, pp 81 - 82 (USSR)

PERIODICAL:
ABSTRACT:
The oldest member of the editorial staff of the periodical
"Elektrichestvo", Mikhail Polyvnikovich Kostenko was born
the son of a physician in the District Voronezh in 1849.
He studied at the Petrovskiy universitet (St. Petersburg
University) in 1907, in 1908 at the Paterburskiy elektro-
tehnicheskiy institut (St. Petersburg, Institute of Electrical
Engineering) was recruited in 1910, because of participation
in 1911 - 1913 he worked at the Perm District,
he studied and graduated from the Perm Polytechnic
Institute (St. Petersburg, Polytechnic Institute) in 1916
he was elected instructor for the Chair of Electrical
Machines at the same institute. 1922 - 1924 Kostenko was sent

to England as an engineer and made several inventions (pulse
generator, commutator generator etc). He again started work-
ing at the Leningradskiy politekhnicheskiy institut in Kalin-
nina (Leningrad Polytechnic Institute named 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" Karkasovskiy zavod. He took part
in the development of the new turbogenerator series from
1927 to 1930. His book "U-Commutators" appeared in 1933. In
1937-1939 he worked at the Leningradskiy elektro-
mekhanicheskiy institut (Leningrad Electromechanical
Institute). He then returned to the Leningrad Poly-
technic Institute. In 1939 he was elected Corresponding
Member of the AS USSR. Subsequently he worked in the kolleksiya
otdeleniya tekhnicheskikh nauk AN SSSR po vyboru sistemy toka
dlya elektrifikatsii shlezynskh 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

his supervision. This work served as basis for the book
published in 1946 together with M. Zeyman and G. Belaviz-
vich "Elektronnaya i elektromagnitnaya sistemy s obobshchennymi
systemy s obobshchennymi" (Electromagnetic Processes in
Systems with Generalized Recifier Installations). During the
same years he worked under his supervision, the simulation of large-
scale systems by means of special machines was developed. He
returned to the Leningradskiy politekhnicheskiy institut
(Leningrad Polytechnic Institute) in 1944. In 1956 he received
the Lenin Prize. He is member of the DOK at the Soviet Ministry
of Education (Council of Ministers, USSR), member of the Academy
of Sciences of the USSR (Academy of Sciences of the USSR),
council at the "Elektrosila" Plant and at the Institute of
postoyannogo toka (D.C. Institute), Leningrad, member of the
Soviet SSSR (Soviet Soviet of the USSR), member of the
Presidium of the AS USSR and its representative in Leningrad.
There is 1 figure.

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SyromyATnikov, I.A.

Исследования об электродвигателях с автоматическим регулированием скорости вращения ротора, профессор И.А. Сыромытников и автоматическое регулирование скорости вращения ротора, 1959

Электродвигатель с автоматическим регулированием скорости вращения ротора (Электрические Двигатели и Автоматизация в Индустриальных Системах) Труды Института Энергетики, Советский Союз, 1960, 270 стр. 11,000 копий напечатано.

Сыромытников, И.А., Патруш, А.А., Ширин, и К.О. Чулкин. Машиностроение, 1961, 217 стр. 11,000 копий напечатано.

ОТКАЗАТЬ. The book is a collection of reports published by scientific workers at plants, scientific institutes and schools of higher education in the third... (The text continues with a detailed description of the book's content, including mentions of the USSR Academy of Sciences, the Institute of Science of the Academy of Sciences (USSR), and various technical committees and journals.)

PART II. ELECTRIC DRIVES OF METALLURGICAL INSTALLATIONS

Сыромытников, И.А., Профессор, Доктор технических наук. Selection of Energy Parameters for Electric Equipment and Electric Drives 176

Автоматическое регулирование скорости вращения ротора электрических машин. Основные структурные компоненты современных машин. Движения на базе структурных компонентов современных машин 183

Сыромытников, И.А., Доктор технических наук. Construction of Control Systems for Automatic Electric Drives 187

Сыромытников, И.А., Инженер. Problems of Metallurgical Electric Drives During the Current Seven Years 190

Сыромытников, И.А., Доктор технических наук. Investigation of Multi-sensor Electric Drives for Continuous Mills Taking the Elasticity of Mechanical Links into Account 195

Сыромытников, И.А., Доктор технических наук. Application of New Electric Drives for Continuous Rolling Mills 202

Сыромытников, И.А., Инженер. High-Speed Automatic Control for the Main Electric Drives of a Continuous Rolling Mill 208

Сыромытников, И.А., Инженер. Concerning the Adjustment of Electric Drives of Continuous High-Speed Cold-Rolling Mills 213

Сыромытников, И.А., Доктор технических наук. Optimum Parameters and the Structure of Electric Drive Systems for Reversing Mills 214

Сыромытников, И.А., Инженер. Electric Drive Systems of Reversing Rolling Mills 214

Сыромытников, И.А., Доктор технических наук. Selection of Power and Type of Rolling Mill Electric Drives 218

Сыромытников, И.А., Инженер. Main Drives Without Flywheels for Reversing Rolling Mills 221

SYROMYATNIKOV, Ivan A., MAMIKONYANTS, Lev. G.

"A non-synchronous operation of generators"

report to be submitted for Intl. Conference on Large Electric Systems (CIGRE),
18th Biennial Session, Paris, France, 15-25 Jun 60.

← SYROMYATNIKOV, I.A., doktor tekhn.nauk

Interconnected electric power systems in U.S.A. (from "Electrical
World," no.11, 1959). Energokhoz.za rub. no.3:32-33 My-Je '60.
(MIRA 13:7)

(United States--Electric power distribution)

SYROMYATNIKOV, I.A., prof.

Lenin and all-out electrification of the Soviet Union. Elektrichestvo
no.4:1-6 Ap '60. (MIRA 14:4)

1. Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov
SSSR.

(Electrification)

S/105/60/000/07/26/027
B007/B005

AUTHORS: Bogoroditskiy, N. P., Syromyatnikov, I. A., Fedoseyev, A. M.,
Atabekov, G. I., Yermolin, N. P., Ryzhov, P. I.,
Timofeyev, V. A., and Others

TITLE: Professor V. I. Ivanov (On His 60th Birthday)

PERIODICAL: Elektrichestvo, 1960, No. 7, pp. 94-95

TEXT: This is a short biography of Viktor Ivanovich Ivanov born in April 1900 at Penza as the son of an engine driver. He is Doctor of Technical Sciences and Professor at the Leningradskiy elektrotekhnicheskiy institut im. Ul'yanova (Lenina) (Leningrad Electrotechnical Institute imeni Ul'yanov (Lenin)). He finished his secondary school education in 1918, and enrolled at the fiziko-matematicheskii fakul'tet Saratovskogo universiteta (Department of Physics and Mathematics at Saratov University), and in 1921 at the Leningrad Electrotechnical Institute imeni Ul'yanov (Lenin) from which he graduated in the special subject of electric power plants in 1927. He started his pedagogical activity at the same institute under the

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Professor V. I. Ivanov (On His 60th Birthday)

S/105/60/000/07/26/027
B007/B005

supervision of A. A. Smurov in the same year, and conducted - at the same time - the investigations of protective relays at the Leningradskaya energosistema (Leningrad Power Network). Under the supervision of R. A. Lyuter and together with P. I. Ryzhov, he established a laboratory for protective relays at the same institute, and was among the first in the USSR to give lectures on protective relays and short-circuit currents. At the same time, he organized - at Lenenergo together with P. I. Ryzhov - the first service for protective relays in the USSR. His book on this field was published in 1932. From 1932 to 1941, he conducted the department of protective relays at the laboratory of A. A. Smurov. He developed a carrier-current protection for transmission lines, and under his supervision the laboratoriya im. Smurova (Laboratory imeni Smurov) installed 40 such sets at the Mosenergo, Lenenergo, Donbassenergo, and Uralenergo. During the first war years, he worked in the Ural, and besides, lectured at the Ural'skiy politekhnicheskii institut (Ural Polytechnic Institute) and the Lesotekhnicheskii institut (Forest Technology Institute). In 1944-47 he lectured at the Akademiya im. Zhukovskogo (Academy imeni Zhukovskiy) and the Moskovskiy aviatsionnyy institut im. Ordzhonikidze (Moscow Aviation Institute imeni Ordzhonikidze).

Card 2/3

SYROMYATNIKOV, I.A., doktor tekhn.nauk

Power engineering is calling. Izobr.i rats. no.12:2-5 D '60.
(MIRA 13:12)

1. Chlen Gosudarstvennogo nauchno-tekhnicheskogo komiteta.
(Electrification)

SYROMYATNIKOV, I., prof., doktor tekhn.nauk

Communism is Soviet power plus electrification of the whole
country. NTO 2 no.4:7-9 Ap '60. (MIRA 13:6)
(Lenin, Vladimir Il'ich, 1870-1924)
(Electrification)

SYROMYATNIKOV, I.A., doktor tekhn.nauk

Concerning some suggestions of P.S. Neporozhni. Teploenergetika
7 no. 12:72-75 D '60. (MIRA 14:1)

(Electric power)

PETROV, I.I., doktor tekhn.nauk, prof.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.; LITVINOV, V.N.; FROM, A.A.; GERSHKOVICH, S.F.; POPOV, S.N.; BOCHAROV, V.I.

In regard to the letter written by V.V.Artomonov, A.A.Fedorov, and M.I.Kiselev on "Improvement in the training of specialists in the field of electrification of industrial enterprises." Prom. energ. 15 no.9:55-59 S '60. (MIRA 13:10)

1. Nachal'nik elektrotsekha, g.Krasnoyarsk (for Litvinov). 2. Glavnyy energetik Kazgiprotsvetmet (for From). 3. Glavnyy energetik Novokemerovskogo khimkombinata (for Gershkovich). 4. Sverdlovskiy sov-narkhoz (for Popov). 5. Frunzenskiy politekhnicheskiy institut (for Bocharov).

(Electricians--Education and training)
(Electrification)

(Artamonov, V.V.) (Fedorov, A.A.) (Kiselev, M.I.)

^M
SYRONYATNIKOV, I.A.

Widening of the field of application of synchronous motors in
industry. Vest.elektroprom. 31 no.1:70-71 Ja '60.
(MIRA 13:5)

1. Chlen Komiteta Gosudarstvennogo nauchno-tekhnicheskogo Soveta
ministrov SSSR.
(Electric motors, Synchronous)

MAMIKONYANTS, L.G., doktor tekhn.nauk; SYROMYATNIKOV, I.A., doktor tekhn.
nauk

Asynchronous operating condititons of synchronous generators. **Elek.**
sta. 31 no.7:42-46 J1 '60. (MIRA 13:8)
(Electric generators)

KHACHATUROV, A.A., kand. tekhn. nauk; SYROMYATNIKOV, I.A., doktor
tekhn. nauk, prof., red.

[Use of electric generators; wider uses of nonsynchronous
automatic reclosing] E spluatatsiia generatorov; rasshirenie
oblasti primeneniia nesinkhronnogo APV. Lektsiia 2 dlia stu-
dentov elektroenergeticheskogo fakul'teta i slushatelei fa-
kul'teta usovershenstvovaniia inzhenerov. Moskva, Vses.zaochnyi
energ.in-t, 1961. 28 p. (MIRA 15:6)
(Electric power distribution) (Electric protection)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Electric automation as a means for increasing the reliability
of electric power systems. Elektrichestvo no.7:18-24 J1 '61.
(MIRA 14:9)

(Electric power distribution)

PETROV, B.N.; SOTSKOV, B.S.; LARIONOV, A.N.; CHILIKIN, M.G.;
SYROMYATNIKOV, I.A.; BLAGONRAVOV, A.A.; KRUSHILIN, G.N.;
IVAKHNENKO, A.G.; NAGORSKIY, V.D.; CHELYUSTKIN, A.B.;
DROZDOV, N.G.; PETROV, I.I.

Seventieth birthday of Viktor Sergeevich Kulebakin. Elektrich-
estvo no.10:90-91 0 '61. (MIRA 14:10)
(Kulebakin, Viktor Sergeevich, 1891-)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Technological and efficiency advantages of synchronous motors.
Elektrichestvo no.12:20-27 D '61. (MIRA 14:12)
(Electric motors, Synchronous)

СЫРЯТНИКОВ, И., доктор техн. наук, проф.

Construction of electric power stations should be planned from the national point of view. ИТО 3 no.11:24-26 N '61.

(MIRA 14:10)

1. Председатель Московского городского правления Научно-технического общества энергетической промышленности.
(Electric power plants)

SYROMYATNIKOV, I.A., KRIKUNCHIK, A.B., LIVANOVA, O.V., MAMIKONYANTS, L.G.,
ULITSKIY, M.S.

"Power supply systems and electric drive of auxiliaries for
modern thermal power stations."

Report to be submitted for the 19th Biennial Session, Intl. Conf. on
Large Electric Systems(CIGRE), Paris, France, 16-26 May '62.

KRIKUNCHIK, All-Union Scientific Research Planning Inst. of Thermoelectric
Industry.

LIVANOVA, Central Scientific Research Elect. Engineering Lab.

MAMIKONYANTS, Central Scientific Research Inst., Min. of Electric
Power Stations, USSR.

SYROMYATNIKOV, Power Engineering Dept., Electric Tech. and Communication,
State Committee for Coordination of Scientific Research.

ULITSKIY, State Trust for Organization and Rationalization of Regional
Electric Power Stations.

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof.

Development of power engineering in the light of the decisions
of the 22d Congress of the CPSU. Elektrichestvo no.1:1-6
Ja '62. (MIRA 14:12)

(Power engineering)

Сыромиятников, И. А.

SIROMIATNIKOV, I.A. [Syromyatnikov, I.A.], d-r tekhn. nauk, prof.;
ZACOROV, Iv. [translator].

Electric automation as a means of increasing dependability
of the operation of electric-power systems. Novosti avtomat
telemekh 1:9-23 '62

ALEKSEYEV, A.Ye.; BULGAKOV, K.V.; ZILITINKEVICH, S.I.; IVANOV, V.I.;
PETROV, I.I.; RYZHOV, P.I.; SYROMYATNIKOV, I.A.; TIMOFEYEV, V.A.;
SHCHEDRIN, N.N.; FATEYEV, A.V.

Sixtieth anniversary of the birth of Dmitrii Vasil'evich Vasil'ev.
Elektrichestvo no.3:93 Mr '62. (MIRA 15:2)
(Vasil'ev, Dmitrii Vasil'evich, 1901-)

KOSTENKO, M.P., akademik; MAMIKONYANTS, L.G., prof.; SYROMYATNIKOV, I.A., prof.

Session of Committee No.17 (Generators) of the International
Conference on Large Electric Systems (CIGRE). Elektrichestvo
no.6:86-89 Je '62. (MIRA 15:6)
(Turbogenerators--Congresses)
(Electric power plants--Congresses)

CHILIKIN, M.G.; RAZEVIK, D.V.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.;
MAMIKONYANTS, L.G.; ANISIMOVA, N.D.; VAZYAGIN, L.K.;
SOLDATKINA, L.A.

V.A. Venikov; on his fiftieth birthday and the twenty-fifth
anniversary of his theoretical and educational work. Elektrichestvo
no.7:87 JI '62. (MIRA 15:7)
(Venikov, Valentin Andreevich, 1912-)

SYROMYATNIKOV, I.A., prof., doktor tekhn.nauk; ZEYLIDZON, Ye.D., inzh.

Protection of electric motors from short-circuits to ground.
Prom.energ. 17 no.7:30-31 JI '62. (MIRA 15:7)
(Electric motors) (Electric protection)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Concerning the problems of long-distance electric power transmission.
Elektrichestvo no.11:13-20 N '62. (MIRA 15:11)
(Electric power distribution) (Electric lines)

SYROMYATNIKOV, I.A.; MAMIKONYANTS, L.G.; MAMEDOV, A.M.; KULI-ZADE, K.N.;
ABDURASHITOV, S.A.; DZHUVARLI, Ch.M.; RUSTAM-ZADE, P.B.; GUSEYNOV,
F.G.; GAZAR'YAN, S.I.; EGENDI-ZADE, A.A.; ALI-ZADE, A.S.

B.P. Al'bitskii; obituary. Elektrichestvo no.12:88 D '62.
(MIRA 15:12)
(Al'bitskii, Boris Petrovich, 1887-1962)

SIROTINSKIY, L.I.; POLIVANOV, K.M.; NETUSHIL, A.V.; BABIKOV, M.A.;
SYROMYATNIKOV, I.A.; DROZDOV, I.G.; FEDOSEYEV, A.M.; CHILIKIN, M.G.;
BESSONOV, L.A.; BUTKEVICH, G.V.; ZHEKULIN, L.A.; NEYMAN, L.R.;
GORTINSKIY, S.M.; SMIRNOV, A.D.; MAMIKONYANTS, L.G.; PETROV, I.P.

Vsevolod IUr'evich Lomonosov; obituary. Elektrichestvo no.12:88
D '62. (MIRA 15:12)

(Lomonosov, Vsevolod IUr'evich, 1899-1962)

SYROMYATNIKOV, Ivan Arkad'yevich, doktor tekhn. nauk, prof.; IVANOV,
S.M., red.; NAZAROVA, A.S., tekhn. red.

[Electrification is well on its way; power transmission lines]
Elektrichestvo v puti; linii elektroperedachi. Moskva, Izd-vo
"Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike.
IV Seria: Tekhnika, no.1) (MIRA 16:1)
(Electrification) (Electric lines--Overhead)

SYROMYATNIKOV, Ivan Arkad'yevich; VINOGRADOV, A.A., red.; LARIONOV,
G.Ye., tekhn. red.

[Operation of asynchronous and synchronous electric motors]
Rezhimy raboty asinkhronnykh i sinkhronnykh elektrodvigate-
lei. Izd.3., perer. i dop. Moskva, Gosenergoizdat, 1963.
527 p. (MIRA 16:4)

(Electric motors, Induction)

(Electric motors, Synchronous)

NEPOROZHNIY, P.S. (Moskva); BELYAKOV, A.A. (Moskva); RUSSO, G.A. (Moskva);
BUROVOY, A.A. (Moskva); NEKRASOV, A.M. (Moskva); ROKOTYAN, S.S.
(Moskva); MILOSLAVSKIY, N.M. (Moskva); SYROMYATNIKOV, I.A.,
doktor tekhn. nauk, prof.

Principal trends in the realization of over-all electrification.
Elektrichestvo no.8:77-82 Ag '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Economic considerations in the use of expanded (extra-large diameter)
wires in high-voltage power transmission lines. Elektrichestvo
no.9:23-27 3 '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof.

Concerning P.S.Tiagul'skii's article "Choice of a synchronous motor for driving a centrifugal pump when started with an open pressure latch." Prom.energ. 18 no.2:50-51 F '63.

(MIRA 16:2)

(Electric motors, Synchronous)
(Pumping machinery, Electric)

SYROMYATNIKOV, I.A., doktor tekhn. nauk

Fallibility of starting time determination using mean excess moment.
Prom. energ. 18 no.6:6-8 Je '63. (MIRA 16:7)

(Electric motors)

SYROMYATNIKOV, I.A., doktor tekhn. nauk

Automatic excitation control systems of synchronous motors.
Prom. energ. 18 no.10:27-28 0 '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., prof.; ROZANOV, M.N., kand.tekhn.nauk; KEDRIN, V.M.,
inzh.; ZEYLIDZON, Ye.D., inzh.

Concerning N.S.Shabalin's article "Engineering and economic
efficiency of overall automation and remote control in electric
power distribution networks." Elek. sta. 34 no.9:87-89
S '63. (MIRA 16:10)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.; LITVAK, L.V., kand.
tekhn. nauk; BOTVINNIK, M.M., doktor tekhn. nauk;
GORODSKIY, D.A., doktor tekhn. nauk

Concerning [kand. tekhn. nauk] N.R. Ipatenko's article
"Automatic excitation control of a synchronized induction
motor." Elektrotehnika 34 no.11:70-72 N '63.
(MIRA 17:2)

LITVAK, L.V.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof., red.

[Methodology for constructing operational and start characteristics of asynchronous motors; a lecture] Metodika postroeniia rabochikh i puskovykh kharakteristik asinkhronnykh dvigatelei; lektsiia. Moskva, Vses. zaachnyi energ. in-t, 1964. 25 p. (MIRA 17:12)

VOLOBRINSKIY, Sergey Davidovich; KAYALOV, Georgiy Mikhaylovich;
KLEYN, Petr Nikolayevich; MESHEL', Boris Solomonovich;
SYROMYATNIKOV, I.A., prof., retsenzent; KNYAZEVSKIY, B.A.,
dots., retsenzent; GRODSKIY, S.Ye., red.

[Electrical loads of industrial enterprises] Elektricheskie
nagruzki promyshlennykh pred'riyatii. [By] S.D.Volobriniskii
i dr. Moskva, Izd-vo "Energia," 1964. 303 p.
(MIRA 17:8)

VENIKOV, V.A.; GLAZUNOV, A.A.; KAZAK, N.A.; LITVAK, V.L.;
SYROMYATNIKOV, I.A.

Concerning the training of engineers-electricians in the
field of "electric power supply of industrial enterprises
and cities." Elektrichestvo no.2:94-95 F '64.
(MIRA 17:3)

SYROMYATNIKOV, I.A., doktor tekhn.nauk, prof. (Moskva)

Comparison of the effectiveness of using asynchronous and synchronous electric motors in mechanisms with impact loads. Elektrichestvo no.3:44-50 Mr '64. (MIRA 17:4)

BUDNITSKIY, A.B.; VENIKOV, V.A.; GIZILA, Ye.P.; GREBEN', I.I.;
IYERUSALIMOV, M.Ye.; KALNIBOLOTSKIY, M.L.; KONDRA, B.N.;
LOYEV, Ye.G.; NESTERENKO, A.D.; PAVLOV, V.M.; POSTNIKOV, I.M.;
POBEGAYLO, K.M.; RADCHENKO, L.A.; SVECHNIKOV, L.V.; SYROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; FEDCHENKO, I.K.; KHODOROV, S.Ye.;
CHIZHENKO, I.M.; TSUKERNIK, L.V.

Professor Vasilii Grigor'evich, 1904 -; on his 60th birthday.
Elektrichestvo no.4:93-94 Ap '64. (MIRA 17:4)

SYBOMYATNIKOV, I.A., doktor tekhn. nauk, prof. (Moskva)

Some problems of using probability and statistical methods in power engineering. Elektrichestvo no.8:45-47 Ag '64.

(MIRA 17:11)

SYROMYATNIKOV, I.A.

Self-starting and starting with the short-circuit rotors of
AFZ-4500-1500 electric motors. Gaz. prom. 9 no.1:49-50 '64.
(MIRA 17:12)

BORISENKO, N.I.; BUTKEVICH, G.V.; VORONETSKIY, B.B.; VASIL'YEV, D.V.;
DROZDOV, N.G.; DUBINSKIY, L.A.; ZALESSKIY, A.M.; KASATKIN, A.S.;
KOSTENKO, M.P.; KUZNETSOV, P.I.; KULEBAKIN, V.S.; MAMIKONYANTS,
L.G.; MEL'NIKOV, N.A.; NEYMAN, L.P.; PETROV, I.I.; RABINOVICH, S.I.;
SAMOKHVALOV, V.A.; SOLODOVNIKOV, V.V.; STEKLOV, V.Yu.; SYROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; CHILIKIN, M.G.; SHATALOV, A.S.; ZHEKULIN, L.A.

Petr Ivanovich Voevodin, 1884- ; on his 80th birthday. Elektrichestvo
no.9.92 S '64. (MIRA 17:10)

L 11547-66 EWT(d)/EWP(k)/EWP(1)

ACC NR: AP6005029

SOURCE CODE: UR/0105/65/000/001/0091/0092

AUTHOR: Azimov, B. A.; Alizade, A. A.; Aslanov, R. K.; Guseynov, F. G.;
Dzhuvarly, Ch. M.; Yel'yashevich, Z. B.; Kadymov, Ya. B.; Kulizade, K. N.;
Kyazimzade, Z. I.; Mamikonyants, L. G.; Petrov, I. I.; Rustamzade, P. B.;
Spirin, A. A.; Syromyatnikov, I. A.; Esibyan, M. A.; Efendizade, A. A.

ORG: none

TITLE: Professor Boris Maksimovich Plyushch

SOURCE: Elektrichestvo, no. 1, 1965, 91-92

TOPIC TAGS: electric engineering, electric engineering personnel, petroleum engineering personnel, petroleum engineering

ABSTRACT: Brief biography of subject, a doctor of technical sciences and head of Department of Electric Power and Automation in Industry at the Azineftekhim (Azerbaijan Petrochemical Institute), on the occasion of his 60th birthday in October 1964. Graduating from Azerbaijan Polytechnical Institute imeni Azizbekov, subject worked in Caspian shipping industry and later headed the designing division at the Azerbaijan department of Elektroprom. With Azineftekhim since 1927, starting as laboratory assistant; department head since its formation in 1938; deputy dean of power engineering division in 1943-45. One of top Soviet experts on the electric power supply and electrical equipment of the petroleum industry, he has trained many engineers and scientists for this field and is the author of over 60 published works and inventions. Widely known are his works on

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UDC: 621.313.1/3

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L 11547-66

ACC NR: AP6005029

determining power losses in drilling. He was the first to investigate the problem of selecting the most suitable power characteristics with due consideration for wave-like torque distribution along the drilling string. He did research on the automatic regulation of drill feed, critical roller-bit speeds, self-starting electrical pumps, etc. A party member since 1945, subject has been awarded the Order of the Red Banner of Labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: ¹⁴ none

HW

Card 2/2

AZIMOV, B.A.; ALIZADE, A.A.; ASLANOV, R.K.; GUSEYNOV, F.G.; DZHUVARLY, Ch.M.;
YEL'YASHEVICH, Z.B.; KADYMOV, Ya.B.; KULIZADE, K.N.; KYAZIMZADE, Z.I.;
MAMKONYANTS, I.G.; PETROV, I.I.; RUSTANZADE, P.B.; SPIRIN, A.A.;
SYROMYATNIKOV, I.A.; ESIBYAN, M.A.; EFENDIZADE, A.A.

Professor Boris Maksimovich Pliushch, 1904- ; on his 60th birthday.
Elektrichestvo no.1:91-92 Ja '65. (MIRA 18:7)

L 10096-66

ACC NR: AP6004977

SOURCE CODE: UR/0105/65/000/003/0090/0090

AUTHOR: Aleksenko, G. V.; Borisenko, N. I.; Voronetskiy, B. B.; Gladilin, L. V.;
Druzhinin, N. N.; Petrov, I. I.; Syromyatnikov, I. A.; Tishchenko, N. A.;
Chernichkin, D. S.; Chilikin, M. G.

ORG: none

34
B

TITLE: Professor Vyacheslav Semenovich Tulin on his 60th birthday

SOURCE: Elektrichestvo, no. 3, 1965, 90

TOPIC TAGS: mechanical engineering personnel, electric engineering personnel

ABSTRACT: Professor V. S. TULIN was born in November 1904 and graduated from the Kharkov Engineering Institute in 1925. He has since then specialized in the application of electric drives for the mining industry, in low-voltage apparatus and more recently in automation. At the present time he is the chairman of the Department of Automation and Control Machinery at the Moscow Institute of Radio-Electronics and Mining Electromechanics. He has made major contributions in his field: he is the author of 80 published works including a textbook on the automation of production processes in the mining industry; he also received an award in 1948 in connection with the Donets Basin development. He now participates in ministerial councils and committees concerned with scientific-research work, industrial coordination, also secondary and higher education. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none

UDC: 621.34:65.011.56

Card 1/1 HW

L 11051-66

ACC NR: AP6004792

SOURCE CODE: UR/0105/65/000/005/0090/0090

AUTHOR: Burgsdorf, V. V.; Gortinskiy, S. M.; Drozdov, N. G.; Kulakovskiy, V. B.;
Lindorf, L. S.; Mel'nikov, N. A.; Petrov, I. I.; Portnoy, M. K.; Syromyatnikov, I. A.;
Fedoseyev, A. M.; Khachaturov, A. A.; El'kind, Yu. M.

ORG: none

TITLE: Doctor of engineering sciences, Professor L. G. Mamikonyants

SOURCE: Elektrichestvo, no. 5, 1965, 90

TOPIC TAGS: electric engineering personnel, electric engineering

ABSTRACT: The article was written in honor of Lev Grazdanovich Mamikonyants on the occasion of his 50th birthday and upon his completion of 30 years of scientific and industrial activity. He graduated from the Azorbaydzhan Industrial Institute in 1938, whereupon he worked at the Central Industrial Research Laboratory of Azonergo first as Electrical Engineer and then as Chief Engineer. His scientific activity begun during the student years at the university laboratories for electrical machinery and high-voltage techniques. From 1941 to 1945 he served in the Soviet Army and became a member of the Communist Party in 1942. Since 1945 he has been working with the VNIIE (All-Soviet Scientific-Research Institute of Electric Power) at the State Industrial Commission on Power and Electrification of the USSR, in charge of the Electrical Machinery Laboratory now and also as head of the Department of Electrical Machinery, Insulation and Automation. Since 1953 he has also been the Vice-Director of the Institute of Scientific Affairs. He received the degree of Doctor of
UDC: 621.331

Card 1/2

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ACC NR: AP6004792

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Engineering Sciences in 1959 and was appointed Professor in 1961. Much theoretical and practical work has been done under his leadership at the Electrical Machinery Laboratory which he helped to set up. Problems concerning the theory of synchronous machines leading to their improved operation were worked out here (asynchronous condition after loss of excitation, simplified method of compensator starting, self-synchronization of generators, etc.). L. G. Mamikonyants is also active in scientific research coordinating committees on power and electrification in the USSR. He sits also on the Committee for the Determination of Electrical Equipment Parameters and on the Joint Scientific Council of the Moscow Power Institute. Furthermore, he is on the editorial board of Elektrichestvo. During his entire career he has published about 60 works, many of them resulting from basic research. At the Moscow Power Institute he taught a course on "Special Problems in Electric Power Stations" from 1952 to 1954 and on "Testing of Synchronous Machines" from 1953 to 1954. The texts of his lectures were printed in the form of a compendium. He is very effective in training the young generation of students and assisting them in earning their degrees. L. G. Mamikonyants participates in the activities of the VNIIE both as recruiter and as lecturer. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2

MAMIKONYANTS, I.G., doktor tekhn. nauk, prof. (Moskva); SYROMYATNIKOV, I.A.,
doktor tekhn. nauk, prof. (Moskva); TER-GAZARYAN, G.N., doktor tekhn.
nauk (Moskva)

Studies of special modes of operation of synchronous machines in the
U.S.S.R. Elektrichestvo no.7:5-11 J1 '65. (MIRA 18:7)

BURNDORF, V.V.; GORTINSKIY, S.M.; DROZDOV, N.G.; KULAKOVSKIY, V.B.; LINDORF,
I.S.; MEL'NIKOV, N.A.; PETROV, I.I.; PORTNOY, M.K.; SYROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; KHACHATUROV, A.A.; EL'KIND, Yu.M.

lev Grazdanovich Mamikoniants; on his 50th birthday and the 30th
anniversary of his scientific and practical work. Elektrichestvo
no.5:90 My '65. (MIRA 18:6)

BOL'SHAM, Ya.M.; VINOGRADOV, A.A.; VOLOBRINSKIY, S.D.; GEYLER, L.B.; GRUDINSKIY, P.G.; DOLGINOV, A.I.; ZIL'BERMAN, R.I.; KAZAK, N.A.; KLETENIK, B.I.; KNYAZEVSKIY, B.A.; LIVSHITS, D.S.; MEL'NIKOV, N.A.; MININ, G.P.; MUKOSEYEV, Yu.L.; NAYFEL'D, M.R.; PETROV, I.I.; RAVIN, V.I.; SAMOVER, M.L.; SERBINOVSKIY, G.V.; SYROMYATNIKOV, I.A.

Lev Veniaminovich, 1905; on his 60th birthday. Prom. energ. 20
no.9:43 S '65. (MIRA 18:9)

NEPOROZHNIY, P.S.; SAVINYKH, A.P.; SAPOZHNIKOV, F.V.; SERDYUKOV, N.P.;
ACHKASOV, D.I.; BURGSDORF, V.V.; NEMOV, N.P.; SYROMYATNIKOV, I.A.;
KNYAZEVSKIY, B.A.; ROKOTYAN, S.S.; STEKLOV, V.Yu.; FEDOSEYEV, A.M.;
GRUDINSKIY, P.S.; KHOMYAKOV, M.V.; VENIKOV, V.A.; CHERNOBROVOV, N.V.;
MEL'NIKOV, N.A.; BERSHADSKIY, I.S.

Aleksandr Dmitrievich Romanov, 1905; on his 60th birthday. Elek.
sta. 36 no.11:94 N '65. (MIRA 18:10)

SYROMYATNIKOV, A.A., doktor tekhn. nauk., prof.

Synchronous motor as an important element of electrical supply systems
of industrial plants. Elektrotehnika 36 no.8:4-7 Ag '65.

(MIRA 18:9)

SYRMYATNIKOV, I.A., doktor tekhn. nauk

Determination of the installed power of the power plants of consolidated power systems. Elek. sta. 36 no.11:42-47 N '65.

(MIRA 18:10)

SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.

Principal trends in the development of electric power distribution networks. Izv. vys. ucheb. zav.; energ. 8 no.11:95-100 N '65. (MIRA 18:11)

1. Moskovskiy ordena Lenina energeticheskiy institut.

ATABEKOV, G.I.; BELOUSOV, M.M.; BULGAKOV, K.V.; VASIL'YEV, D.V.;
YEGIZAROV, I.V.; ZAKHAROV, S.N.; ZEYLIDZON, Ye.D.; KOSTENKO, M.P.;
MANOYLOV, V.Ye.; NARNEVSKIY, B.I.; RYZHOV, P.I.; SOLOV'YEV, I.I.;
SYROMYATNIKOV, I.A.; FABRIKANT, V.L.; CHERNIN, A.B.; CHERNOBROVOV,
N.V.; FEDOSEYEV, A.M.; SHABADASH, B.I.; SHCHEDRIN, N.N.;
FATEYEV, A.V.

Viktor Ivanovich Ivanov, 1900-1964; an obituary. Elektrichestvo
no.11:89 N '64. (MIRA 18:2)

ALEKSEYENKO, G.V.; BORISENKO, N.I.; VOYEVODIN, I.D.; DROZDOV, N.G.; KRAYZ, A.G.;
MAN'KIN, E.A.; MAYORETS, A.I.; NEKRASOV, A.M.; NAYASHKOV, I.S.; PAVLENKO,
A.S.; ROKOTYAN, S.S.; SOBOLEV, A.A.; SYROMYATNIKOV, I.A.; SAPOZHNIKOV,
A.V.; SARKISOV, M.A.; CHERNICHKIN, D.S.; CHERTIN, A.M.

Samuil Isaakovich Rabinovich, 1905; on his 60th birthday. Elektri-
chestvo no.6:90 Je '65. (MIRA 18:7)

ANDRIANOV, V.N.; BUDZKO, I.A.; VENIKOV, V.A.; DEMIN, A.V.; GORODSKIY, D.A.;
GRUDINSKIY, P.G.; ZAKHARIN, A.G.; KRASNOV, V.S.; LEVIN, M.S.; LISTOV,
P.N.; MARKOVICH, I.M.; MEL'NIKOV, N.A.; NAZAROV, G.I.; RAZEVIK, D.V.;
SMIRNOV, B.V.; STEPANOV, V.N.; SYROMYATNIKOV, I.A.; FEDOSEYEV, A.M.;
YAKOBS, A.I.

Doctor of technical sciences, Professor Lev Efimovich Ebin, 1905-; on
his 60th birthday. Elektrichestvo no.6:91 Je '65.

(MIRA 18:7)

BAMDAS, A.M.; BOL'SHAM, Ya.M.; BORCHANINOV, G.S.; GLAZUNOV, A.A.; ZALESSKIY, A.M.; KONSTANTINOV, B.A.; LIVSHITS, D.S.; LYCHKOVSKIY, V.L.; MILLER, G.R.; PETROV, I.I.; PLESKOV, V.I.; SAMOVER, M.L.; SYROMYATNIKOV, I.A.; CHILIKIN, M.G.

Professor IUrii Leonidovich Mukoseev; 1905, on his 60th birthday.
Elektrichestvo no.6:91 Je '65. (MIRA 18:7)

CHALYI, G.V.; SYROMYATNIKOV, I.A., doktor tekhn. nauk, prof.

Increase of the frequency of alternating current and determination
of its optimal value in long-term electrification of the U.S.S.R.
Elektrichestvo no.12:80-82 D '64. (MIRA 18:12)

1. Chlen-korrespondent AN Moldavskoy SSR (for Chalyy).

L 27948-66

ACC NR: AP6017708

SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.;
Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.;
Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovskiy, O. V.;
Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.;
Tun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgic furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a Metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none

Card 1/1 BKG

UDC: 621.34

L 27947-66

ACC NR: AP6017709

SOURCE CODE: UR/0105/66/000/001/0086/0086

AUTHOR: Avilov-Karnaukhov, B. N.; Bol'sham, Ya. M.; Venikov, V. A.; Volobrin'skiy, S. D.; Yermilov, A. A.; Konstantinov, B. A.; Knyazevskiy, B. Ye.; Minin, G. P.; Miller, G. R.; Mukoseyev, Yu. L.; Petrov, I. I.; Serbinovskiy, G. V.; Syromyatnikov, I. A.; Fedorov, A. A.; Kholm'skiy, G. V.; Shagalov, A. S.; Chilikin, M. G.

ORG: none

TITLE: Prof. Georgiy Mikhaylovich Kayalov (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 86

TOPIC TAGS: academic personnel, electric engineering personnel, electric equipment

ABSTRACT: In 1929, G. M. Kayalov completed the electrotechnical department of the Mechanical Faculty of the Novocherkassk Polytechnical Institute. Until 1947, he worked in the planning department of the Rostov Division of the All-Union Electrotechnical Union. In this time, he rose to the position of Chief Engineer. He directed the planning of a large number of important pieces of electrical equipment for various projects. He was active in the postwar restoration of many important industrial enterprises. He is the author of almost 70 published works, and has made a great contribution to modern, scientifically based methods of design and analysis of electrical loads for industrial equipment. He is on a number of commissions and in many scientific and technical societies. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1

BLG

UDC: 621.34

L 22594-6) ENT(d)/EWP(k)/EWP(1)

ACC NR: AP6012999

SOURCE CODE: UR/0105/65/000/006/0090/0090

AUTHOR: Alekseyenko, G. V.; Borisenko, N. I.; Voyevodin, I. D.; Drozdov, N. G.; Krayz, A. G.; Man'kin, E. A.; Mayorets, A. I.; Nekrasov, A. M.; Nayashkov, I. S.; Pavlenko, A. S.; Rokotyan, S. S.; Sobolev, A. A.; Syromyatnikov, I. A.; Sapozhnikov, A. V.; Sarkisov, M. A.; Chernichkin, D. S.; Chertin, A. M.

ORG: none

TITLE: S. I. Rabinovich (on the occasion of his 60th birthday)

SOURCE: Elektrichestvo, no. 6, 1965, 90

TOPIC TAGS: electric engineering personnel, electric transformer, hydroelectric power plant

ABSTRACT: The chief specialist of transformer building of the Gosplan (State Planning Commission) USSR, Samuil Isaakovich Rabinovich was born in 1905 in the town of Borisoglebsk of the Voronezh Oblast'. From his student years at the Gosudarstvennyy elektromashinostroitel'nyy institut (State Machine-Building Institute) he already showed interest for power transformers. In the early thirties he designed the first types of domestic Soviet 110 and 220 kV transformers; in 1939 he became the chief designer of the Moskovskiy transformatornyy zavod (Moscow Transformer factory). In 1946, he conducted the design and construction of lightning-resistant transformers; during 1949-1954,

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UDC: 621.314(092)

E 22594-66

ACC NR: AP6012999

he headed the design of the 400 kV transformer equipment for the Volzhskaya hydroelectric power station - Moscow power line; his subsequent work on the 500 kV equipment earned him the Lenin prize. From 1960, he has been working at the Gosplan USSR. He is also a member of the editorial board of the journal *Elektrichestvo* (Electricity). Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10, 09 / SUBM DATE: none

Card 2/2 *su*

L 22592-66

ACC NR: AP6013001

SOURCE CODE: UR/0105/65/000/006/0091/0091

AUTHOR: Andrianov, V. N.; Budzko, I. A.; Venikov, V. A.; Demin, A. V.; Gorodskiy, D. A.; Grudinskiy, P. G.; Zakharin, A. G.; Krasnov, V. S.; Levin, M. S.; Listov, P. N.; Markovich, I. M.; Mel'nikov, N. A.; Nazarov, G. I.; Razevig, D. V.; Smirnov, B. V.; Stepanov, V. N.; Syromyatnikov, I. A.; Fedoseyev, A. M.; Yakobs, A. I.

ORG: none

TITLE: Doctor of technical sciences, Professor L. Ye. Ebin (on the occasion of his 60th birthday

SOURCE: Elektrichestvo, no. 6, 1965, 91

TOPIC TAGS: scientific personnel, electric network, lightning

ABSTRACT: Professor Lev Yefimovich Ebin, 60, graduated in 1928 from the Kiyevskiy elektrotekhnicheskiy institut (Kiyev Electrotechnical Institute). Between 1929 and 1936, he worked in the Donenergo system and published various original papers on lightning protection and grounding devices. From 1936 EBIN works at the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (All-Union Scientific Research Institute for the Electrification of Agriculture) where he heads a laboratory. In 1937, he defended his candidate's dissertation and in 1951 his Ph. D. Thesis dealing with studies of the nonsymmetrical operating conditions of electrical networks and of stationary and nonstationary electro-thermal processes in the

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UDC: 621.31

35
B

L 22592-66

ACC NR: AP6013001

country. These works served for further development of the rural distribution networks. He showed considerable interest in the problem of the raising of scientific personnel. Ebin was decorated with "Znak pocheta" and various medals. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2. *Yd*

L 22578-66

ACC NR: AP6012775

SOURCE CODE: UR/0094/65/000/009/0043/0043

AUTHOR: Bol'sham, Ya. M.; Vinogradov, A. A.; Volobrin'skiy, S. D.; Geyler, L. B.;
Grudinskiy, P. G.; Dolginov, A. I.; Zil'berman, R. I.; Kazak, N. A.; Kletenik, B. I.;
Knyazevskiy, B. A.; Livshits, D. S.; Mel'nikov, N. A.; Minin, G. P.; Mukoseyev,
Yu. I.; Nayfel'd, M. R.; Petrov, I. I.; Ravin, V. I.; Samover, M. L.; Serbinovskiy,
G. V.; Syromyatnikov, I. A.

ORG: none

TITLE: Lev Veniaminovich Litvak (on the occasion of his 60th birthday)

SOURCE: Promyshlennaya energetika, no. 9, 1965, 43

TOPIC TAGS: electric engineering personnel, electric power engineering

ABSTRACT: The noted specialist of industrial power production, Candidate of Technioal Sciences, Docent of the Correspondence Power Institute Lev Veniaminovich LITVAK began his engineering activity at the Moscow Association of State Electric Stations in 1929. Later he became one of the coauthors of all the "Directives for the inorease of the power factor" issued in 1954, 1955, and 1961. He published 70 scientific papers. For his successful activities in defense industries during World War II he was decorated by "Znak Pocheta." After the war he concentrated on scientific-pedagogical work and in recent years worked actively in

Card 1/2

L 22578-66

ACC NR: AP6012975

the Teaching-Methodological Commission of the Ministry of Higher and Intermediate Special Education USSR, for the specialty "Electrical supply to industrial enterprises and cities." Orig. art. has: 1 figure. [JFRS]

SUB CODE: 05, 10, 09 / SUBM DATE: none

Card

2/2

BK

L 24166-66

ACC NR: AP6018890

SOURCE CODE: UR/0104/65/000/011/0094/0094

AUTHOR: Moporozhniy, P. S.; Savinykh, A. P.; Sapozhnikov, F. V.; Serdynkov, N. P.;
Achkasov, D. I.; Burgsdorf, V. V.; Homov, N. P.; Syromyatnikov, I. A.; Knyazovskiy,
B. A.; Rokotyan, S. S.; Steklov, V. Yu.; Fedosoyev, A. M.; Grudin'skiy, P. S.;
Khomyakov, M. V.; Venikov, V. A.; Chernobrovov, N. V.; Mel'nikov, N. A.;
Bershadskiy, L. S.

21
B

ORG: none

TITLE: Honoring the 60th birthday of Aleksandr Dmitriyevich Romanov

SOURCE: Elektricheskiye stantsii, no. 11, 1965, 94

TOPIC TAGS: electric power plant, industrial personnel

ABSTRACT: In July 1965 A. D. Romanov celebrated his 60th birthday and the 35th anniversary of his active life as a major designer, operator, and builder of electric power stations. On his graduation in 1927 from the Moscow College of Engineering, Aleksandr Dmitriyevich joined the Mosenergo Moscow Power System where he steadily rose through the ranks until he became Deputy Chief Engineer, while at the same time participating in the design and practical introduction of 500-kV electric transmission lines running from Moscow to Volzhskaya Hydroelectric Power Station and from Kuybyshev to the Urals. Since 1959 A. D. Romanov has been Chief Engineer at the Glavvostozelektrosot'stroy Main Administration for Power Grid Construction in Eastern USSR of the Card 1/2

ACC NR: AP6018890

State Production Committee for Energetics and Electrification USSR. Along with his active work, since 1930 A. D. Romanov has been teaching courses in Power Networks and Systems as well as in Power Stations and Substations at the Moscow Correspondence Institute of Energetics and, later, at the All-Union Correspondence Institute of Energetics, and, in this capacity, has trained new cadres of power engineers. In 1957 the title of Assistant Professor was conferred on him and in 1963, the title of Candidate of Technical Sciences. He has published more than 40 scientific and technical articles on power engineering and construction and he is a member of the editorial boards of the periodic anthologies Energeticheskoye Stroitel'stvo (Power Construction) and Energeticheskoye Stroitel'stvo za Rubezhom (Power Construction Abroad). He has been a Party member since 1932 and is the bearer of the Order of Labor Red Banner as well as of various medals. Best wishes for further creative work are extended to him. Orig. art. has: 1 figure. JPRS

SUB CODE: 10 / SUBM DATE: none

Card 2/2 *MC*

ACC. NR: AP6027912

SOURCE CODE: UR/0105/66/000/006/0012/0017

AUTHOR: Greysukh, M. V. (Engineer); Syromyatnikov, I. A. (Deceased)

ORG: none

TITLE: The use of the 660-volt power standard in the national economy

SOURCE: Elektrichestvo, no. 6, 1966, 12-17

TOPIC TAGS: electric power production, economic program, power supply, electric power transmission

ABSTRACT: The article discusses the problems and transitions required in connection with the broad industrial use of 660-V power system, scheduled for introduction in the Soviet national economy. Economic gains and operational advantages to be derived from the switch-over to 660 V are discussed, necessary technical modifications in specific equipment types (transformers, electric motors, power plants, illumination equipment, etc.) are briefly reviewed, and network diagrams and representative circuitries are analyzed. The authors point out that the use of the 660-V system would result in considerably fewer losses of electric power in medium-output motors, trunk feed systems, and power distribution networks. The unit power of shop and plant transformer equipment is increased, and the number of high-voltage substations and radial lines is reduced. In addition, there is an increase in the upper limit of motor power. The execution of the 660-V power system requires 1.5 to 2 times fewer

Card 1/2

UDG: 621.3.015:338.40:621.13

AVAYEVA, S. M.; BOTVINIK, M. M.; SYROMYATNIKOV, I. F.

"Serylpyrophosphates and serylphosphates."

report submitted for 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SYROMYATNIKOV, I.S.

Results of the introduction of hydraulic percussion
drilling in the Dzhezkazgan field. Razved. i okh.nedr
31 no.4:16-20 Ap '65.

(MIRA 19:1)

1. Dzhezkazganskaya kompleksnaya geologorazvedochnaya
ekspeditsiya.

IVANOV, V.S.; YERMOLAYEVA, A.D.; SYROMYATNIKOV, K.A.

Device for the automatic determination of the carbamide content
in a solvent. Khim.i tekhn.topl.i masel 7 no.9:46-50 S '62.
(MIRA 15:8)

1. Leningradskiy filial Spetsial'nogo konstruktorskogo byuro
avtomatizatsii neftepererabotki i neftekhimii.
(Urea) (Paraffin wax)

KAPATSINSKAYA, L.A.; SYROMYATNIKOV, N.G.

Use of ion exchanging resins in the radiochemical analysis of natural objects. Report no.1: Concentration and separation of natural radioactive elements using the KU-2 cationite. Vest. AN Kazakh. SSR 14 no.4:60-66 Ap '58. (MIRA 11:6)
(Radioactive substances) (Ion exchange)

SYROMYATNIKOV, N.G.

Interphase isotopic exchange of uranium-234 and uranium-238.
Geokhimiia no.3:268-273 '60. (MIRA 14:5)

1. Institute of Geological Sciences, Academy of Sciences, Kazakh
S.S.R., Alma-Ata.

(Uranium--Isotopes)
(Phase rule and equilibrium)

SYROMYATHNIKOV, N.G.; KAPATSINSKAYA, L.A.

Thorium content of underground water. Vest.AN Kazakh.SSR 16
no.1:83-84 Ja '60. (MIRA 13:5)
(Water, Underground)
(Thorium)

SYROMYATNIKOV, Nikolay Grigor'yevich; NOVOKHITSKIY, I.P., otv. red.;
KOROTKOVA, Ye.A., red.; ROROKINA, Z.P., tekhn. red.

[Migration of uranium, radium, and threim isotopes and
interpretation of radioactive anomalies] Migratsiia izoto-
pov urana, radiia i toriia i interpretatsiia radioaktivnykh
anomalii. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1961. 77 p.
(MIRA 15:2)

(Radioactive prospecting) (Uranium ores)

KOSHELEV, I. P.; SYROMYATNIKOV, N. G.

Some regularities in the migration of uranium-234 and uranium-238
isotopes. Izv. AN Kazakh.SSR. Ser.geol. no.3:73-82 '61.
(MIRA 14:10)

(Uranium--Isotopes)