

BAGINSKAYA, A.S.

8(5), 9(3)

AUTHORS:

Kutyavin, I.D., Doctor of Technical Sciences, Professor, Baginskiy, L.V., Engineer, Baginskaya, A.S., Engineer

SOV/143-59-5-2/19

TITLE:

Increasing the Selectivity of Differential Generator Protection by Connecting Additional Resistors to the Relay Circuit

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1959, Nr 5, pp 10-15 (USSR)

ABSTRACT:

In spite of the measures taken to increase the selectivity increase of differential protection systems, their performance figures remain still at a comparatively low level. The selectivity of differential protectors may be considerably improved by including additional resistors in the relay circuit. Studies concerning the influence of additional resistors, connected to relay circuits, on the selectivity of differential protectors were conducted at the Laboratoriya imeni A.A. Smurova (Laboratory imeni A.A. Smurov) in Leningrad in 1933/34 by V.I. Ivanov and P.I. Ryzhov.

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In 1945, it was suggested to introduce linear inductive reactances of 5-10 ohms for limiting the higher harmonics of the unbalance current. Presently, additional resistances are not included in differential protection. However, investigations conducted by the Kafedra elektricheskikh stantsiy, setey i sistem Tomskogo politekhnicheskogo instituta (Chair of Power Plants, Networks and Distribution Systems of the Tomsk Polytechnic Institute) show the suitability of connecting such resistances to the relay circuits. Up to the present time, the problem of the influence of additional resistances, having different properties, on the magnitude of the transient unbalance current was not covered in literature. Consequently, there are no recommendations concerning the most advantageous magnitudes and properties of additional resistances in relay circuits. The authors present a formula of the transient current of the unbalance in a differential generator protection circuit with circulat-

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Increasing the Selectivity of Differential Generator Protection
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ing currents. The mathematical expression for the unbalance current was obtained under the following assumptions: 1) All resistances of protector elements were considered as being independent of the current flowing thru them; 2) losses in steel were not considered; 3) the periodic component of the short circuit current was considered as being undamped; 4) the load current was equal to zero. Investigations showed that the unbalance current attains its greatest magnitude at $\alpha = 0$, and rises with an increase of the time constant T_1 and a decrease of T_2 . The time constant T_1 attains 0.15-0.2 seconds with external short circuits. The time constant T_2 is reduced to about 0.1 second during short circuits when using for the differential protection class D current transformer. For confirming the theoretical assumption, experimental curves were plotted showing the dependency of the maximum unbalance current magnitude from the function z_p . These curves are shown in Figure 3. For the

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experimental investigation, laboratory current trans-
formers with toroidal cores manufactured of sheet
were used. The core cross section was $q = 20 \text{ cm}^2$ with
an average line of force $l_{cp} = 45.6 \text{ cm}$. Based on the
theoretical and experimental investigations the authors
conclude that additional resistances should be includ-
ed in the relay circuits of differential generator pro-
tection. There are 5 graphs and 2 Soviet references.
This article was presented by the Kafedra elektricheskikh stantsiy,
setey i sistem (The Chair of Power Plants, Networks and Distribu-
tion Systems).

ASSOCIATION: Tomskiy ordena Trudovogo Krasnogo znameniy politekhnicheskiy institut
imeni S. M. Kirova (Tomsk - Red Banner Order - Polytechnic Institute
imeni S. M. Kirov)

SUBMITTED: March 2, 1959

Card 4/4

BAGINSKAYA, A.S., kand. tekhn. nauk

Check of the heat resistance of electrical apparatus during
short-circuits. Izv. vys. ucheb. zav.; energ. 7 no.9:72-75
S '64. (MIRA 17:11)

1. Novosibirskiy elektrotekhnicheskiy institut. Predstavlena
kafedroy elektricheskikh stantsiy.

FEDOTOVA, A.M.; BRAGINSKAYA, V.P.; KRASOVINA, T.S.

Neuro-humoral dynamics in scarlet fever. *Pediatrics*, Moskva no.6:34-38
Nov-Dec 1953. (CML 25:5)

1. Of the Pathology Division (Scientific Supervisor -- Prof. N. M. Nikolayev) and the Infectious Clinic (Scientific Supervisor -- Honored Worker in Science A. I. Dobrokhotova, Corresponding Member AMS USSR) of the Institute of Pediatrics (Director -- Prof. M. N. Kasantseva), Academy of Medical Sciences USSR.

ACCESSION NR: AR4033585

2/0169/64/000/002/0002/0002

SOURCE: Ref. zh. Geofis., Abs. 208

AUTHOR: Baginskaya, Ye. N.; Broymann, A. R.; Nesmeyanov, D. V.

TITLE: Present status of study of the Eastern Caucasus Foreland by geophysical exploration methods in relationship to the direction of further geophysical work in this area

CITED SOURCE: Sb. Geol. i neftegazonosnost' Yuga SSSR. Kavkas. L., Gostoptekhnizdat, 1963, 98-113

TOPIC TAGS: geophysics, geophysical exploration, geology, geological structure, refracted waves method, reflected waves method, seismology, electric exploration, gravimetric survey, magnetic survey

TRANSLATION: The status of geophysical study of the Eastern Caucasus Foreland and its geological structure are discussed. It is concluded that the possibilities of geophysical methods of exploration are far from exhausted with respect to the Eastern Caucasus Foreland. It is proposed that such work be continued in accordance with a uniform plan but on a considerably broader scale. In this work primary

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ACCESSION NR: AR4033585

attention should be given to regional geophysical work along the principal directions intersecting this area. This should be done by a combination of methods, but with emphasis on the refracted and reflected waves methods, electric exploration, and gravimetric and magnetometric surveys. Recommendations are made for ways to locate local uplifts and for carrying out a number of systematic investigations.
G. R.

DATE ACQ: 31Mar64

SUB CODE: AS

ENCL: 00

Card 2/2

ACC NR: AR6022473

SOURCE CODE: UR/0169/66/000/003/D024/D025

AUTHOR: Baginskaya, Ye. N.; Aristov, V. I.; Vesman, A. G.; Shustov, R. I.; Seyful'-Mylyukov, R. B.

TITLE: Experimental regional seismic observations in the western part of the North Caspian petroliferous basin

SOURCE: Ref. zh. Geofiz, Abs. 3D150

REF SOURCE: Tr. Nizhno-Volzhsk. n.-i. in-t geol. i geofiz., vyp. 2, 1964, 170-178

TOPIC TAGS: seismic prospecting, geologic exploration

TRANSLATION: The paper describes the results of a field work in an area where the Voronezh massif of the Russian Platform adjoins the Caspian Basin. Two seismic profiles were run, totalling 140 to 150 km. The KMPV method was mostly used, although some work was done by the MOV and even RNP methods. The profiling was continuous when using the KMPV method. The wave reflected from the basement top was traced through the entire lengths of the profiles, since this basement was the main object of investigation. It was recorded as first "kicks" at distances of 9 to 35 km from the primary wave. Its apparent velocity varied between 5800 and 6300 m/sec. Its coefficient of dampening was $1.7 \cdot 10^{-5}$ 1/M. The superimposing traces lacked a parallelism. This wave was identical with the refracted one. In the western part of the area, some reflec-

UDC: 550.834

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ACC NR: AR6022473

tions were obtained from caps of salt domes as well as from the underlying salt-bearing basement drops, 2700-3000 m down to 4500 m from west to center. The second profile shows the basement's drop from 4500 down to 8500 m over a distance of 30 to 40 km between the borehole No. 1 at Verkhovo on the north and Tormosino on the south. A map of the Precambrian basement was prepared as the result of this work. Recommendations are offered for further investigations. G. Shekhtman.

SUB CODE: 08

Card 2/2

ACC NR: AP7004548

SOURCE CODE: UR/0011/66/000/006/0065/0071

AUTHOR: Baginskaya, Ye. N.; Nesmeyanov, D. V.; Bulgakova, I. A.; Goyev, V. I.; Khakimov, M. Yu.

ORG: NILNEFTEGAZ, Moscow

TITLE: New data on the structure of the eastern part of Cis-Caucasia on the basis of regional geophysical work

SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 6, 1966, 63-71

TOPIC TAGS: telluric current, geophysics

ABSTRACT: The deep structure of Cis-Caucasia was studied in 1962-1964 by geophysical investigations along three regional profiles which cut across the principal structural elements of that region. The greater part of the article is a detailed description of work along each of these profiles. The objectives were tracing the surface of the basement and the underlying sedimentary deposits of the Mesozoic; wherever possible discontinuities in the sedimentary strata also were traced. A wide variety of methods were combined: the refracted waves method, electrical exploration methods (magnetotelluric profiling and sounding and telluric currents methods), as well as gravimetric and magnetometer work. The results are incorporated in Fig. 1, a map of relief of the basement and distribution of local uplifts in the sedimentary strata, and in Figures 2 and 3, which are detailed geophysical cross sections along different profiles. The work was effective in detecting areas most promising for further geological prospecting work, especially for petroleum and gas. Orig. art. has: 3 figures. [JPRS: 38,460]

SU3 CODE: 08 / SUBM DATE: 13Apr65

UDC: 550.81+530.3(471.6)

Card 1/1

0926 1376

БЕЛОУСОВАЯ, Ye.N.; НЕБЕЯНОВ, D.D.

Methods and primary results of the complex regional geophysical studies in eastern Circassia. Trudy NILneftegaza no.13:95-110 '65. (MIRA 18:9)

BAGINSKAYA, Ye.N.; VIKTOROV, D.N.

Development of the structure of the southeastern part of the Voronezh anticline. Trudy Neftegaznoy Akad. 13:111-123 '65. (MIRA 18:9)

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✓ Ferrites. Aleksander Baginski. Zeszyty Problemowe
Nauki Polskiej, No. 8, Elektronika ciała stałego, Warsaw
1954, 361-88 (Pub. 1957).—A review with 82 references.
J. Stecki

2

CHUCHALIN, I.F. (s. Novyy Tor"yal Mariyskoy ASSR; FISUN, N.I. (g. Zaporozh'ye);
ZAGAYNOV, A.S.; PERKAL'SKIS, B.Sh. (Tomsk); BAGINSKIY, A.P.
(Krasnodar)

Suggestions and advice. Fiz. v shkole 23 no.4:71 J1-Ag '63.
(MIRA 17:1)

1. Mokrousovskaya shkola Kurganskoy oblasti (for Zagaynov).

BAGINSKI, Jan, mgr inz.

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1. Dzial Elektryczny, Instytut Energetyki, Warszawa.

BAGINSKI, Mieczyslaw, mgr inz.

Technological progress in shipbuilding in 1964. Bud okretowe
Warsawa 10 no.1:3-7 Ja '65.

1. Central Ship Design Office No.1, Gdansk.

BAGINSKI, R.

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GOSPODARKA WODNA. Warszawa, Poland. Vol. 18, no. 3, 1958.

Monthly List of East European Accessions, (EEAI), IC, Vol. 9, no. 2, Feb. 1960.
Uncl.

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Studies on the effect of sulfonamides on germination and growth of plants and on development of tadpoles. Acta physiol. polon. 4 no.3: 219-230 1953. (CIML 25:5)

1. Of the Institute of Histology and Embryology (Head--Prof. S. Baginski, M.D.) of Lodz Medical Academy.

BAGINSKI, Stefan

Tissue cambium in carcinogenesis with special reference to female genitalia. Polski tygod. lek. 9 no.46:1477-1480 15 Nov 54.

1. Z Zakladu Histologii A.M. w Lodzi; kierownik: prof. S.Baginski.
(GENITALIA, FEMALE, neoplasms,
carcinogenesis, tissue cambium in)
(METABOLISM, TISSUE,
in carcinogenesis in female genitalia)
(NEOPLASMS,
carcinogenesis, tissue cambium in)

BAGINSKI, S.

Tibor Peterfi, 22. 6. 1883 - 14. 1. 1953. Fol. morph., Warsz.
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(OBITUARIES,
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BAGINSKI, Stefan

Studies on neuroglia in *Cyprinus carpio*. *Fol. Morph. Warsz.* 6
no.2:85-94 1955.

1. Z Zakładu Histologii i Embriologii A.M. w Łodzi. Kierownik:
prof. dr med. S. Baginski. Łódź, ul. Marutowicz 60, Zakład
Historii i Embriologii.

(FISH,

Cyprinus carpio, neuroglia in)
(NEUROGLIA, anatomy and histology,
in *Cyprinus carpio*)

STEFAN BAGINSKI

Poland/General Biology. Cytology

B

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57113

Author : Baginski Stefan

Inst : Not given

Title : New Arbitrarily Regulated Modification of
the Golgi Method

Orig Pub : Folia morphol., 1957, 8, No 1, 57-58

Abstract : Nerve tissue kept for a period of 3 years in
10% formalin and 5% solution of ammonia was
chromated and a demonstrative picture of the
impregnation of nerve cells was obtained. Mo-
dification by the author makes it possible to
vary the number of impregnated cells depending
on the duration of the impregnation.

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BAGINSKI, STEFAN

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Lodz, Poland, 1958., 34,8 p. (Lodzkie Towarzystwo Naukowe. Wydzial IV (Prace)

Monthly List of East European Accessions Index (LEAI), LC, Vol. 8, No. 6, June 1959
Uncl.

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309. A CASE OF INGROWTH OF THE PLACENTA INTO THE FOETAL SKULL -
Przypadek wrośnięcia łożyska w czaszkę płodu - Bagiński S., Fijał-
kowski W. and Kozłowski H. Zakt. Histol. i Embriol. A.M., Łódź;
II. Klin. Chor. Kobietych i Położnictwa A.M., Łódź - GINEK. POL. 1959, 30/1
(1-14) Illus. 14

A female child born 6 weeks prematurely showed an anastomosis of the placenta with
tissues of the head as well as a far-reaching destruction of all organs and tissues
encountered on the way (skin, dura mater, cartilage, bones). The case was de-
scribed as a secondary acranium which had developed as a result of a cytolytic ac-
tion of the placental trophoblast: acranium semisecundarius placentophagus. (I, 10)

BAGINSKI, Stefan

Studies on the regeneration in animals in the Histology and
Embryology Institute of the School of Medicine in Lodz.
Zesz probl nauki pol no.18:69-71 pt.2 '59.

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BAGINSKI, Stefan, prof. dr., (Lodz, ul. Nerutowicza 60)

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1. Academy of Medicine, Inst. of Histology Embryol., Lodz.

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1. "Tribute Pediatric Meeting," Anna SWED, pp. 1, 2.
2. "So Each According to His Needs - In Health Care," Dr. Augustaw DOMINIUK; p. 1.
3. "30 Years of Prawa," unsigned; p. 1.
4. "The Milwaukee Plant Leads," signed ISZ; p. 1.
5. "Polish Red Cross Week," signed SZ, p. 1.
6. "Planned Changes in the Organization of the Health Service," signed SZS; p. 2.
7. "Legal Problems in Medicine," unsigned; p. 2.
8. "Before the Fifth Congress of Professional Associations," signed SZ; p. 2.
9. "Doctors discuss a Project for a New Law on Health Reform," signed SZ; p. 2.
10. "Obituary: Maria OZKOWSKA-KRZYWICKA," unsigned; p. 2.
11. "For the Eye of the Reform of Medical Studies," Prof. Dr. S. BERNARD; p. 1.
12. "Dental Advance of the American CARE Organization," unsigned; p. 3.
13. "Prof. Wladyslaw KURCZYK, Member of the Executive Academy of Medicine," Jolanta KURCZYK; p. 3.
14. "Pediatrics in the Gaze," Dr. Barbara LAGODA, from Imunology, Gage; p. 3.
15. "Public Discussion on Medical Specialization," St. Zdzislaw; p. 4.
16. "The Title: Organizer of the Health Service," Dr. St. Schumidner; p. 4.
17. "Fifth Anniversary of the Hospital for Accident Surgery," Lech SZALCZAK; p. 4.

BAGINSKI, S., prof. dr

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1. Kierownik Zakładu Histologii i Embryologii, Akademia
Medyczna, Lodz.

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BAGINSKI, Stefan

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the genus Eledone. Folia morph. (Warsz.) 24 no.3:229-249 '65.

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NESMEYANOV, D.V.; BAGINSKAYA, Ye.N.; KHAKIMOV, N.Yu.

New data on the subsurface structure of the area adjacent to
Kizlyar Bay. Neftegaz. geol. i geofiz. no.3:3-6 '65. (MIRA 18:7)

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kriteriyev otsenki perspektiv neftegazonosnosti, Moskva.

BAGINSKI, Stefan (Lodz)

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(GOSPODARKA MIESNA, Vol. 6, No. 2, Feb. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

BAGINSKI, S.

Layers of gravel on crushed stone surfaces. p. 117, V. 10, no. 5, May 1955,

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Uncl.

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Vol. 11, no. 7, July 1956
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Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

BARINSKI, W.

Production costs of the building industry as a subject for investigation. P. 156
(PRZEGLAD BUDOWLANY, Vol. 26, No. 5, May 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEM), LC, Vol. 3, No. 12, Dec.
1954, Uncl.

BAGINSKI, W.

The tobacco industry in China. p. 339.
(Przemysl Spozywczy, Vol. 10, No. 8, Aug. 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (EMAL) Lc, Vol. 6, No. 8, Aug 1957. Uncl/

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Vol. 29, No. 2, Feb 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

BAGINSKI, Zdzislaw, kapitan marynarki

Changes in the organization of Denmark's naval forces.
Przegl morski 15 no.4:32-38 Ap '62.

20197-66 EWT(d)/EWT(m)/EWP(f)/EPP-2/T-2/ETC(m)-6 WW

ACC NR: AP5022951

(A)

SOURCE CODE: FO/0094/65/000/033/0013/0013

AUTHOR: Baginski, Z.

47
B

ORG: none

TITLE: Gas turbines

SOURCE: Zolnierz Polski, no. 33, 1965, 13

TOPIC TAGS: submarine chaser, amphibious warfare ship, marine engine, gas turbine, gas turbine engine, internal combustion engine

ABSTRACT: The advantages and disadvantages of gas turbines as well as combined gas turbines and internal combustion engines in small warships intended as submarine destroyers are discussed on the basis of their use in the British ships "Proteus" and "Brave Borderer." The test results for the gas turbines were so good that combined gas and steam turbines on one drive shaft are used in other types of ships such as frigates. The latest reports pertain to tests of hydrofoils with turbine drive intended for chasing and destroying submarines. Such units would develop a speed of about 90 knots at about 20000 horsepower, and the displacement would not exceed 100 tons. It is said that the gas turbine will become very popular in the next decades and will be the last preatomic type of ship power. This concerns primarily smaller and poorer

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2

L 20497-66

ACC NR: AP5022951

countries which will not have access to atomic power, as well as those countries which already need rapid ships to destroy submarines. Orig. art. has: 4 figures.

SUB CODE: 21, 15 SUBM DATE: none

Card 2/2 *lge*

L 4996-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) BC

ACC NR: AP5025753

SOURCE CODE: UR/0286/65/000/018/0017/0017

AUTHORS: Zepisov, M. A.; Baginskiy, A. N.

31
B

ORG: none

TITLE: A hydropneumatic cylinder of asymmetric action. Class 47, No. 174921

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 117

TOPIC TAGS: hydraulic device, pneumatic device, valve d

ABSTRACT: This Author Certificate presents a hydropneumatic cylinder of asymmetric action. The cylinder contains a piston with an internal valve, an adjusting ring, and a spring. The cylinder consists of a working pressure chamber and an overflow chamber (see Fig. 1). To secure automatic control of the piston movement without introducing an auxiliary unit for moving the valve and to simplify the construction, the valve is made cylindrical, operates with two plungers, and is connected to the stem of the piston by a ring with a bolt. The bolt enters the slot of the piston and is spring-connected to an adjusting screw placed in the cover of the piston. To obtain a broader adjustment of the amplitude and frequency of piston

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UDC: 621-229.384.325

L 4996-66.

AGC NR: AP5025753

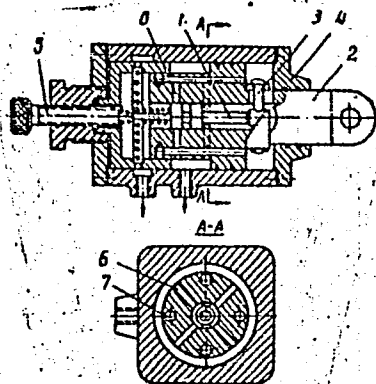


Fig. 1. 1- valve; 2- plunger stem; 3- bolt; 4- piston cover; 5- adjusting screw; 6- two rows of radial apertures; 7- longitudinal ducts; 8- dead-end radial apertures

oscillations and to increase the effectiveness and productivity of the system, a differential hollow piston is provided with two rows of radial apertures and longitudinal ducts. On one side these ducts lead to the end of the piston, and on the other side to the internal surface through dead-end radial apertures. Orig. art. has: 1 figure.

SUB CODE: IE/

SUBM DATE: 03Jan64

OC
Card 2/2

BAGINSKIY, L.V., Can^d, Tech Sci -- (diss) "Longitudinal differentialⁱ
protection of synchronous generators executed according to
~~the~~^a system of equilibrium of secondary electromotive forces."

Tomsk, 1959, 22 pp with drawings (Min of Higher Education
USSR. Tomsk Order of Labor Red Banner Polytechnical Inst
in S.M. Kirov. Chair of Electrical^{Power} Stations, Networks, and
Systems) 150 copies (KL, 28-59, 126)

8(5), 9(3)

SOV/143-59-5-2/19

AUTHORS:

Kutyavin, I.D., Doctor of Technical Sciences, Professor, Baginskiy, L.V., Engineer, Baginskaya, A.S., Engineer

TITLE:

Increasing the Selectivity of Differential Generator Protection by Connecting Additional Resistors to the Relay Circuit

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1959, Nr 5, pp 10-15 (USSR)

ABSTRACT:

In spite of the measures taken to increase the selectivity increase of differential protection systems, their performance figures remain still at a comparatively low level. The selectivity of differential protectors may be considerably improved by including additional resistors in the relay circuit. Studies concerning the influence of additional resistors, connected to relay circuits, on the selectivity of differential protectors were conducted at the Laboratoriya imeni A.A. Smurova (Laboratory imeni A.A. Smurov) in Leningrad in 1933/34 by V.I. Ivanov and P.I. Ryzhov.

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Increasing the Selectivity of Differential Generator Protection
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In 1945, it was suggested to introduce linear inductive reactances of 5-10 ohms for limiting the higher harmonics of the unbalance current. Presently, additional resistances are not included in differential protection. However, investigations conducted by the Kafedra elektricheskikh stantsiy, setey i sistem Tomskogo politekhnicheskogo instituta (Chair of Power Plants, Networks and Distribution Systems of the Tomsk Polytechnic Institute) show the suitability of connecting such resistances to the relay circuits. Up to the present time, the problem of the influence of additional resistances, having different properties, on the magnitude of the transient unbalance current was not covered in literature. Consequently, there are no recommendations concerning the most advantageous magnitudes and properties of additional resistances in relay circuits. The authors present a formula of the transient current of the unbalance in a differential generator protection circuit with circulat-

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ing currents. The mathematical expression for the unbalance current was obtained under the following assumptions: 1) All resistances of protector elements were considered as being independent of the current flowing thru them; 2) losses in steel were not considered; 3) the periodic component of the short circuit current was considered as being undamped; 4) the load current was equal to zero. Investigations showed that the unbalance current attains its greatest magnitude at $\alpha = 0$, and rises with an increase of the time constant T_1 and a decrease of T_2 . The time constant T_1 attains 0.15-0.2 seconds with external short circuits. The time constant T_2 is reduced to about 0.1 second during short circuits when using for the differential protection class D current transformer. For confirming the theoretical assumption, experimental curves were plotted showing the dependency of the maximum unbalance current magnitude from the function z_p . These curves are shown in Figure 3. For the

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experimental investigation, laboratory current transformers with toroidal cores manufactured of sheet were used. The core cross section was $q = 20 \text{ cm}^2$ with an average line of force $l_{sp} = 45.6 \text{ cm}$. Based on the theoretical and experimental investigations the authors conclude that additional resistances should be included in the relay circuits of differential generator protection. There are 5 graphs and 2 Soviet references. This article was presented by the Kafedra elektricheskikh stantsiy, setey i sistem (The Chair of Power Plants, Networks and Distribution Systems).

ASSOCIATION: Tomskiy ordena Trudovogo Krasnogo znameni politekhnicheskiy institut imeni S. M. Kirova (Tomsk - Red Banner Order - Polytechnic Institute imeni S. M. Kirov)

SUBMITTED: March 2, 1959

Card 4/4

BAGINSKIY, L.V., inzh.

Utilization of current transformers with a small core cross
section in differential protection circuits of generators.
Elek. sta. 30 no.3:69-73 Mr '59. (MIRA 12:5)
(Electric transformers) (Electric generators)

SMERTIN, N.T., inzh.; BAGINSKIY, L.V., kand. tekhn. nauk; KHOMUTOV, B.A., inzh.

Protection of large turbogenerators from reverse sequence currents.
Elek. sta. 35 no.8:45-49 Ag '64. (MIRA 17:12)

PROTSEROV, Serafim Aleksandrovich; BAGINSKIY, M.N., spets.red.;
ZAV'YALOVA, A.N., red.; PONOMAREVA, A.A., tekhn. red.

[Intraplant business accounting] Vnutrizavodskoi khozras-
chet. Moskva, Ekonomizdat, 1963. 175 p. (MIRA 16:7)
(Automobile industry--Finance)

BAGINSKIY, M. P. (Engr.) (TsNII. trusts "Armset"). and SOLOV'YEV, Ye.G. (Insulator Works) ...

"New Types and Designs of Electrical Insulators"

report presented at the First Technical Conference on the Introduction of New Techniques into the Electrical Insulator Industry, 12-15 Mar 1958, State Sci. Tech. Committee of Council of Ministers of USSR.

BAGINSKIY, S.

AID P - 1267

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 11/15

Author : Baginskiy, S.

Title : ~~My record jumps~~
My record jumps

Periodical : Kryl. rod., 2, 16-17, F 1955

Abstract : The author, a prominent parachutist, established several records in 1954. In this article he describes these records and gives some numerical data. Photo.

Institution : DOSAAF

Submitted : No date

BELOSHITSKIY, V.P.; BAGINSKIY, Yu.M.; VYZVILKO, S.A., inzh.-kapitan
2 ranga, red.; KOHOVALOVA, Ye.K., tekhn.red.

[Underwater weapons] Oruzhie podvodnogo udara. Moskva, Voen.
izd-vo M-va obor.SSSR, 1960. 162 p. (MIRA 13:12)
(Torpedoes) (Mines, Submarine)

BAGINSKIY, Yu., Inzh.-kapitan 2 ranga

Weapons of underwater attack. Voen. znani. 41 no.9:33-34 S 165.
(MIRA 18:10)

MAGAS, L.I.; BAGIRA, P.N.

Mechanical method for treating bodies of water with larvicides.
Med.paraz. i paraz.bol.supplement to no.1:22-23 '57. (MIRA 11:1)

1. Iz Khar'kovskoy oblastnoy protivomalyariynoy stantsii
(CHUGUYEV DISTRICT--MOSQUITOES--EXTERMINATION)
(SPRAYING AND DUSTING EQUIPMENT)

OHGIR DEKOVN, L.K.

GUSEYNOV, R.N., dotsent; KHALAPOVA, A.Kh.; BAGIRBEKOVA, L.K.

Result of examining women cotton workers in rural areas of Azerbai-
jan. Akush.i gin. no.2:23-25 no.2:23-25 Mr-Apr '55. (MLRA 8:7)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta okhra-
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(INDUSTRY AND OCCUPATIONS,

gyn. exam. of cotton workers)

(GYNECOLOGY,

gyn. exam. of cotton workers)

BAQIRBEKOVA-YERIVANSKAYA, K.Kh.

Using analgesin as a pain relieving and accelerating agent in labor. Dokl. AN Azerb. SSR 13 no.2:187-193 '57. (MIRA 10:7)

1. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.A. Topchibashevym.
(ANTIPYRINE) (LABOR (OBSTETRICS))

AZIZBEKOV, Sh.A.; BAGIROV, A.F.

Jurassic deposits in the Nakhichevan A.S.S.R. [in Azerbaijani with
summary in Russian]. Dokl. AN Azerb.SSR 14 no.9:691-696 '58.

(MIRA 11:10)

1. Institut geologii AN AzerSSR.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; BAGIROV, A.F.

Cretaceous deposits of the Ordubad synclinerium [in Azerbaijani
with summary in Russian]. Dokl.AN Azerb.SSR 14 no.11:855-861
'58. (MIRA 11:12)

1. Institut geologii AN AzerSSR.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; BAGIROV, A.E.

Division of Jurassic and Cretaceous sediments according to their
rhythms of stratification in the Nakhichevan folded area. Izv.-
AN Azerb.SSR. Ser.geol.-geog.nauk no.6:17-23 '59. (MIRA 15:4)
(Nakhichevan A.S.S.R.—Folds (Geology))

AZIZBEKOV, Sh.A.; BAGIROV, A.E.

Geological development of the Ordubad synclinorium. Izv. AN Azerb.
SSR. Ser. geol.-geo. nauk' no.6:3-14 '60. (MIRA 14:3)
(Azerbaijan--Folds(Geology))

AZIZBEKOV, Sh.A.; BAGIROV, A.E.

Jurassic volcanism in the Nakhichevan folded area. Izv,AN Azerb.
SSR.Ser.geol.-geog.nauk i nefi no.4:79-97 '62. (MIRA 16:2)
(Nakhichevan A.S.S.R.--Folds(Geology))
(Nakhichevan A.S.S.R.--ROCKS,Igneous--Analysis)

AZIZBEKOV, Sh.A.; BAGIROV, A.E.; GADZHIYEV, T.G.; RUSTAMOV, M.I.

Basic characteristics of metallogeny in the Aras tectonic
zone. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 3:25-
34 '65. (MIRA 18:9)

ACC NR: AT6034510

SOURCE CODE: UR/0000/66/000/000/0113/0124

AUTHOR: Azizbekov, Sh. A.; Bagirov, A. E.

ORG: none

TITLE: Structure and development of the Araks tectonic zone

SOURCE: AN SSSR. Otdeleniye nauk o Zemle. Nauchnyy sovet po kompleksnym issledovaniyam zemnoy kory i verkhney mantii. Glubinnoye stroyeniye Kavkaza (Abyssal structure of the Caucasus). Moscow, Izd-vo Nauka, 1966, 113-124

TOPIC TAGS: earth crust, tectonics, ^{volcanology / Lesser Caucasus Mountains, Araks} ~~volcanology, Araks tectonic zone~~

ABSTRACT: The general characteristics of the structure and development of the Araks tectonic zone, which includes the inner arc of the meganticlinorium of the Lesser Caucasus mountains, are described on the basis of a structural and facies analysis of the Paleozoic, Mesozoic, and Cenozoic formations of Nakhichevani and adjacent regions of Armenia, Iran, and Turkey. A structural map of the Araks tectonic zone, compiled by Sh. A. Azizbekov and A. E. Bagirov, depicts the major geologic stages, first order structures, subcrustal faults, synclinoria, intrusions, etc. The entire zone underwent complex changes in the Caledonian, Hercynian, and Alpine fold stages and is characterized by an echelon-like arrangement of first order structures: the Uchtubin-Dastairskiy, the Kyshlak-Kyzyldashskiy, the Zangezurskiy, and the Sharuro-Dzhul'finskiy uplifts, the Yerevan-Ordubadskiy and Shakhbulagskiy synclinoria, and

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ACC NR: AT6034510

the Nakhichevani, Maku-Khoyeky, Marand-Tavrizskiy, and Sevan-Sisianskiy depressions.
Orig. art. has: 1 figure and 1 table.

SUB CODE: 08/ SUBM DATE: 26Feb66/ ORIG REF: 024/ OTH REF: 002

Card 2/2

L 07798-67 EWT(1)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6033909

SOURCE CODE: GE/0030/66/017/002/K225/K227

AUTHOR: Akhundov, G. A.; Aksyanov, I. G.; Bagirov, A. G. 53
BORG: Institute of Physics, Academy of Sciences of the Azerbaidzhan SSR, BakuTITLE: Electroluminescence of GaSe single crystals excited by square pulses

SOURCE: Physica status solidi, v. 17, no. 2, 1966, K225-K227

TOPIC TAGS: electroluminescence, gallium compound, selenide

ABSTRACT: Using techniques described in an earlier paper (Optika i spektroskopiya, v. 21, 120, 1966), the authors investigated the electroluminescence of GaSe single crystals pumped by a square-wave oscillator. Plate-shaped samples were cleaved from a large monocrystalline GaSe ingot. The dependence of brightness on pulse amplitude, repetition frequency, and pulse width was measured at 77K. Experimental data show that the brightness increases proportionally to the pulse width. At short pulse widths and sufficiently large values of the repetition frequency the number of injected current carriers is lower and, therefore, the number of radiative recombinations decreases. At longer pulse widths the number of injected current carriers increases and, therefore, the brightness increases. The frequency dependence of brightness at pulsed excitation differs from that at sinusoidal excitation. The emission spectra at pulsed and dc and sinusoidal excitation are identical. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 07Sep66/ ORIG REF: 003/ ATD PRESS: 5101

Card 1/1 LS

L. DUNN-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NO: AP6025968 SOURCE CODE: UR/0051/66/021/001/0120/0121

AUTHOR: Akhundov, G. A.; Aksyanov, I. G.; Bagirov, A. G.

ORG: none

TITLE: Electroluminescence in GaSe single crystals

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 120-121

TOPIC TAGS: electroluminescence, forbidden zone, emission spectrum

ABSTRACT: Data are given on the spectrum, the volt-ampere characteristics of In-GaSe contacts, and the brightness and frequency dependence of electroluminescence at 77°K. Experiments were made on single crystal plates of p-GaSe having charge carrier concentrations of the order of 10^{15} cm⁻³. With a field strength of $4 \cdot 10^3$ v/cm, the entire crystal luminesces. Monochromator measurements show that the emission spectrum extends from 0.585 to 1 μ . One peak was found between 0.61 and 0.65 μ ; another appears at 0.875. The emission spectrum is cut off rather sharply at the short wave end, at a point corresponding to the forbidden zone of GaSe. Sometimes a shortwave peak was seen at 0.592 μ . Except when associated with interzone recombination, this peak is due to electrons passing from the conductivity zone to centers 0.08 to 0.2 ev from the ceiling of the valence zone. The dependence of brightness on both alternating and direct current is linear, and rises with increasing voltage. The frequency dependence

UDC: 535.376 : 548.0

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L 08878-67

ACC NR: AP6025968

of brightness is plotted for various voltages. At lower voltages, the brightness at first increases with frequency then remains practically constant. At higher voltages the brightness tends to fall off. The authors thank G. V. Abdullayev for his interest in the work. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 27Dec65/ ORIG REF: 002.

Card 2/2 *SC*

BAGIROV, A. M.

"Investigation of the properties of a long spark", Part II. By I. S. Stekolnikov and A. M. Bagirov, Izv. Ak. Nauk, OTN, 1953, No. 2, pp. 255-264.

SO: ELEKTROTECHNICKY OBZOR (Electrical Engineering Review, Czechoslovakia)
Vol. 43, No. 3, March 1954.

BAGIROV, A.M. (Baku)

New developments in the organization of freight operations on
the Azerbaijan Railroad. Zhel.dor.transp. 44 no.9:59-63 S
'62. (MIRA 15:9)

1. Nachal'nik Azerbaydzhanskoy dorogi.
(Azerbaijan--Railroads--Freight)

BAGIROV, A.M. (Baku)

Efficient measures for increasing traffic speeds. Zhel.dor.transp.
45 no.9:75-77 S '63. (MIRA 16:9)

1. Nachal'nik Azerbaydzhanskogo otdeleniya puti, zamestitel' nachal'nika Zakavkazskoy dorogi.
(Railroads--Traffic)
(Railroads--Train speed)

BAGIROV, A.M., inzh. (Baku)

Improving the organization of petroleum and petroleum products
transportation. Zhel. dor. transp. 45 no.5:65-69 My '63.
(MIRA 16:10)

1. Zamestitel' nachal'nika Zakavkazskoy dorogi, nachal'nik
Azerbaydzhanskogo otdeleniya Zakavkazskoy dorogi.

BAGIROV, A.M.

Case of sialolithic disease of the sublingual gland. Azerb. med.
zhur. 41 no.3:73-74 Mr '64. (MIRA 17:10)

BAGIROV, A.M.

Surgical treatment in a case of suppurative pericarditis. Azerb.
med. zhur. 41 no.2:73-77 F '64 (MIRA 18:1)

BAGIROV, A.M. (Baku)

Organization of local operation in the Division. Zhel. dor. transp.
47 no.7:40-41 J1 '65. (MIRA 18:7)

1. Nachal'nik Azerbaydzhanskogo otdeleniya Zakavkazskoy dorogi
i zamestitel' nachal'nika Zakavkazskoy dorogi.

ABDULLAYEV, G.I., kand. med. nauk; KARAMOV, K.S., kand. med. nauk;
GUSEYNOV, I.A., kand. med. nauk; GADZHIYEV, A.A.;
FATALIYEVA, V.G.; MUSTAFAYEV, R.A.; BAGIROV, A.M.

Some problems in the diagnosis of stenosis of the left
atrioventricular orifice and indications for mitral commissu-
rotomy. Azerb. med. zhur. 41 no.9:8-16. S '64.

(MIRA 18:11)

1. Iz otdela grudnoy khirurgii Instituta eksperimental'noy
i klinicheskoy meditsiny AMN SSSR (dir. - ohlen-korrespondent
AN AzSSR prof. Efendiyev, F.A. [deceased]) i iz kafedry
propedevtiki vnutrennikh bolezney 1-go (sav. - prof. G.Kh.
Baysheva-Zeynalova) Azerbaydzhanskogo meditsinskogo instituta
imeni Narimanova (rektor - prof. Kh.A. Gasanov).

GULIZADE, M.P.; GEVINYAN, G.M.; BAGIROV, A.Yu.; KULIYEV, R.S.

Cementing slant holes. Izv. vys. zav.; neft' i gaz 7
no.6:17-19 '64. (MIRA 17:9)

1. Azerbaydzhanskiy institut nefti i khimi imeni Azizbekova.

BAGIROV, A.Yu.

Biochemical and technological characteristics of Azerbaijan tea.
Biokhim.chain.proizv. no.7:74-88 '59. (MIRA 13:5)

1. Astarinskaya chaynaya fabrika Sovnarkhosa Azerbaydzhanskoy SSR.
(AZERBAIJAN--TEA)

BAGIROV, A. Yu., Cand Tech Sci -- (diss) "Study and rationalization of the technological processes involved in the preparation of black tea in Azerbaydzhan." Baku, 1960. 27 pp; (Georgian Order of Labor Red Banner Agricultural Inst); 100 copies; free; (KL, 17-60, 151)

PEPINOV, N.S.; LEBEDEV, G.V.; BAGIROV, A.Yu.; YEGOROV, V.G.

Quality of tea grown under new irrigation conditions. Biokhim.
chain. proizv. no.8:26-28 '60. (MIRA 14:1)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR,
Moskva i Avrorskaya chaynaya fabrika Sovnarkhoza AzerbSSR.
(Lehkoran Lowland--Tea--Irrigation)

BAGIROV, A.Yu.

Use of a new technological procedure in the manufacture of black
beichao tea in the Astara Tea Factory. Biokhim. chain. proizv.
no.8:155-160 '60. (MIRA 14:1)

1. Astarinskaya chaynaya fabrika Sovnarkhoza Azerbaydzhanskoy SSR.
(Astara--Tea)

FATALI-ZADE, F.A.; VEYSOV, G.M.; BAGIROV, A.Yu.

Results of testing and introducing a new technological procedure
in the manufacture of black beichao tea in factories of the
Azerbaijan S.S.R. in 1959. Biokhim. chain. proizv. no.8:186-193
'60. (MIRA 14:1)

1. Trest "Azerchay", Baku.
(Azerbaijan--Tea)

BAGIROV, A.Yu.; VEYSOV, G.M.; BAGIROV, M.D.; GASHIMOV, M.N.; MAKHMUDOV, K.I.

Results of the introduction of a new technology in the manufacture of black loose leaf tea in the factories of the Azerbaijan S.S.R. in 1961.

Biokhim. chain. proizvod. no.9:103-108 '62.

(MIRA 16:4)

(Azerbaijan—Tea)

BAGIROV, A.Yu.

New technology and some physical and mechanical changes in teas.
Biokhim. chain. proizvod. no.9:119-121 '62. (MIRA 16:4)

1. Avrorskaya chaynaya fabrika, Azerbaydzhanskaya SSR.
(Tea)

BAGIROV, A.Yu.

Consumption of raw materials and its accounting in the tea industry.
Za tekh. prog. 3 no.7:46-47 JI '63. (MIRA 16:12)

1. Avrorskaya chaynaya fabrika.

BAGIROV, A.Yu.

Shortcomings in the automatic control of tea rolling processes and means for their elimination. Za tekh. prog. 3 no.9:43-44 S '63,
(MIRA 16:10)

1. Avrorskaya chaynaya fabrika.

BAGIROV, A Yu.; KARASHARLY, A.G.; FARADZHEV, T.G.; FATALIYEV, M.D.;
SHAMKHALOV, D.A.

Determining the optimal amount of drilling fluid to ensure the thorough cleaning of the well bottom. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:23-27 '65.

(MIRA 18:2)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova i "AzNIburneft".

BAGIROV, A. Yu.; BOKUCHAYEVA, M.A., doktor biol. nauk, prof.,
red.

[Production of tea in the Azerbaijan S.S.R.] Proizvod-
stvo chaia v Azerbaidzhanskoi SSR. Baku, Azerneshr,
1964. 228 p. (MIRA 18:6)

BAGIROV, A.Ya.; GEVINYAN, G.M.; KULIYEV, R.S.

Analyzing the caliper logging of wells drilled in the water
area of Peschanyy Island. Izv. vys. ucheb. zav.; neft' i gaz
7 no.9:39-43 '64. (MIRA 17:12)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

BAGIROV, B.G., Cand Med Sci--(disc) "Certain problems of hygienic nor-
malization of industrial construction ^{in the} climatic conditions of
Central Asia. (~~USSR~~ ^{Turkmen})." Mez, 1953. 16 pp (First Dec Order of Lenin
Med Inst in I.L.Sechenov), 200 copies (IL,47-52,135)

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BAGIROV, B.G.

Evaluation and establishment of norms for atmospheric conditions in industrial enterprises of Turkmenistan. Zdrav. Turk. 2 no.4:26-31
Jl-Ag '58. (MIRA 12:6)

1. Iz kafedry gigiyeny truda (sav. - prof. Z.I. Israel'son) i Moskovskogo ordena Lenina Meditsinskogo instituta im. I.M. Sechenova.
(ASHKHABAD--INDUSTRIAL HYGIENE)
(FACTORIES--AIR CONDITIONING)

BAGIROV, B.G.

Some problems of sanitary standards in industrial construction
in Central Asia. Gig. i san. 23 no.11:23-28 N '58 (MIRA 12:8)

1. Iz kafedry gigiyeny truda I Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M. Sechenova.

(ASHKHABAD--INDUSTRIAL HYGIENE)

(FACTORIES--AIR CONDITIONING)

BAGIROV, B.G.

Some problems in acclimatization and the hygiene of labor in
Central Asia. Zdrav.Turk. 3 no.2:40-43 Mr-Apr '59.

(MIRA 12:8)

1. Iz kafedry obshchey gigiyeny (zav. - prof.Yu.A.Dobrovol'skiy)
Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V.
Stalina.

(CENTRAL ASIA, SOVIET--MAN--INFLUENCE OF CLIMATE)

KULIYEV, K.A.; BAGIROV, B.G.

Hygienic and epidemiological characterization of the Kara-Kum Canal (first part). Zdrav.Turk. 3 no.5:27-30 S-0 '59.

(MIRA 13:4)

1. Iz kafedry obshchey gigiyeny (zaveduyushchiy - prof. Yu.A. Dobrovol'skiy) Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V. Stalina.

(KARA-KUM CANAL--SANITATION)

BAGIROV, B.

Problems of standardizing the microclimatic conditions on the
factory premises in the southern districts of the U.S.S.R.
Biul.nauch.inform.:trud i zar.plata no.5:43-47 '59.
(MIRA 12:6)

(Industrial hygiene)

BAGIROV, B.G.; KULIYEV, Kh.I.; CHEBANOV, Yu.D.

Some problems of dwelling construction in a hot climate. Zdrav. Turk.
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Turkmenskogo gosudarstvennogo meditsinskogo instituta i Ashkhabadskogo
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(TURKMENISTAN--DWELLINGS)

RUSYAYEV, A.P.; BAGIROV, B.G. (Ashkhabad)

Disease incidence among petroleum workers in the Nebit-Dag petroleum industry and measures for its prevention. Sov. zdrav. 20 no.12:56-69 '61. (MIRA 15:6)

1. Iz kafedry obshchey gigiyeny (zav. - doktor meditsinskikh nauk prof. Yu.A. Dobrovol'skiy) Turkmenskogo meditsinskogo instituta imeni I.V. Stalina i Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. - dotsent Ye.S. Popova). (NEBIT-DAG REGION--PETROLUUM WORKERS--DISEASES AND HYGIENE)

BAGIROV, B.G., kand.med.nauk (Ashkhabad); CHEBANOV, Yu.D., aspirant
(Ashkhabad); FAYNBERG, L.P., inzh. (Ashkhabad)

Results of testing under actual conditions the Kd A-55 home
evaporative cooling air conditioner. Vod. i san. tekhn.
no.9:26-28 '62. (MIRA 15:12)
(Soviet Central Asia--Air conditioning)

BAGIROV, DZHALAL MIR-ALESKER

"Yearly Changes in the Composition of Green Plastids
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Bush Varieties in Kirovabad." Cand Biol Sci, Azerbaydzhan
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SO:Sum. No.521, 2 Jun 55.