

IL'IN, V.K.; NOVIKOV, A.I.; POLYANSKIY, S.V.; KARASIK, Ye.Ya.

The VST-1 pulse-time telemetering system. Biul.tekh.-ekon.
inform. no.8:36-37 '59. (MIRA 13:1)
(Telemeter)

L 41710.66 ENT(s)/TEC(x)-2

ACC NR: AT6011829

(A)

SOURCE CODE: UR/3176/65/000/001/0110/0119

AUTHOR: Karasik, Ye. Ya.; Lozhkomoyev, I. A.; Novikov, A. I.; Polyanskiy, S. V.

ORG: none

TITLE: Narrow-band telemetry system 1

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut kompleksnoy avtomatizatsii v neftyanoy i gazovoy promyshlennosti. Trudy, no. 1, 1965. Avtomatizatsiya tekhnologicheskikh protsessov (Automation of technological processes), 110-119.

TOPIC TAGS: telemetry system, telemetry technique, *NARROW BAND TRANSMISSION*

ABSTRACT: Developed by the Institute of Automatics and Telemechanics, AN SSSR, and tested by the Grozny Branch of the VNIKANeftegaz, a new telemetry system is described which: (a) uses a frequency band as narrow as 12 cps, (b) sends signals over a 6/0.4-kv electric-power distribution network, (c) uses no 280-cps carrier isolating choke coils, and (d) employs transmitters of only 1-3-w capacity. The signal transducer at the sending end and the pulse-time signal selector at the receiving end are based on a special bridge-type semiconductor exponential converter. The transmitter generates two pulses: a sync pulse and a parameter

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L 41719-66
ACC NR: AT6011829

pulse. The sync pulse triggers a pulse generator at the receiving end; the parameter pulse stops this generator; the number of counted pulses represents the measurand. The counter controls either a digital display device or an electric printer. Block diagrams and some principal circuits are shown. Preliminary tests have shown a basic system error (less transmitter) of $\pm 0.5\%$. Orig. art. has: 12 figures and 11 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 003

Cord 2/2 *MIT*

KARASIK, Z.S.; MERKULOVA, O.V.

The VPN machine for rumpling flat parts of shoe bottoms. Biul.tekh.-
ekon.inform,no.2:55-56 '59. (MIRA 12:3)
(Shoe machinery)

KARASIK, Z.S.

The ZM machine for turning back shoe uppers. Biul.tekh.-ekon.inform.
no.9:49-50 '60. (MIRA 13:10)

(Shoe machinery)

KARASIK, Z.S.; MAJEVANNYY, A.I.; OKUN', B.D.; TRUSHIN, S.A.;
MURAV'YEVA, M.I., red.; ZMIYEVSKAYA, L.G., red.

[Modernization of technological equipment in shoe
factories] Modernizatsiia tekhnologicheskogo oborudovaniia
na obuvnykh predpriatiiakh. Moskva, 1962. 67 p.
(MIRA 17:5)

1. Moscow. Tsentral'nyy institut nauchno-tekhnicheskoy in-
formatsii legkoy promyshlennosti.

KARASIK, Z.S.; MERKULOVA, O.V.

The DM machine for splitting and straightening parts of shoe bottoms. *Biul.tekhn.-ekon.inform.* no.12:38-39 '60. (MIRA 13:12)
(Shoe machinery)

KARASIK, Z.S.

Press for cutting out parts of shoe bottoms. Biul.-tekh.-ekon.
inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 18 no.9:38
S '65. (MIRA 18:10)

KARASIK, Z.S.

Machine for lasting the toe of welt and cemented footwear.
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i
tekhn. inform. 18 no.3:40-41 Mr '65. (MIRA 18:5)

KARASIK, Z.S.; LEVITSKAYA, N. Ye.

Shoe manufacturing equipment in foreign countries (to be continued).
Kozh.-obuv.prom. 2 no.1:32-37 Ja '60. (MIRA 13:5)
(Shoe machinery)

KARASIK, Z.S.; LEVITSKAYA, N.Ye.

Shoe manufacturing equipment in foreign countries
(continuation). Kozh.-obuv.prom. 2 no.2:31-37 F '60.
(MIRA 13:5)

(Shoe machinery)

MURAV'YEV, M.I.; KARASIK, Z.S.; OKUN', B.D.; TRUSHIN, S.A.;
ASHRATOVA, S.K., kand. tekhn. nauk; GOROKHOVSKIY, A.I.;
LAPSHIN, V.P., inzh., retsenzent; STESHOV, I.I., red.;
MINAYEVA, T.M., red.

[Handbook for a shoe industry worker] Spravochnik obuvshchika.
Moskva, Gizlegprom. Vol.3. 1963. 505 p. (MIRA 17:5)

KARASIK, Z.S.

The PCK-1 Press for gluing rubber heels. Biul.tekh.-ekon.inform.
Gos.nauch.-issl.inst.nauch.i tekh.inform. 18 no.4:47-48 Ap '65.
(MIRA 18:6)

PARADISE, Z.S.

Presses for sole cementing. Biol. tekhn. inform. v. 18 no. 1. 1961.
Inst. nauch. i. tekhn. inform. 18 no. 5:35-36 May '65.

(MIRA 1961)

KARASIKOV, M.

On the Siberian rivers. Prof.-tekhn. obr. 17 no.2:20 F '60.
(MIRA 13:6)

1. Direktor remeslennogo uchilishcha No.3, g.Tobol'sk.
(Tobol'sk--Vocational education)

VORONIN, Ivan Vasil'yevich; VOSKRESENSKIY, Dmitriy Aleksseyevich; KOZLOV, Nikolay Andreyevich; LEBEDEV, Arseniy Andreyevich; PEREPECHIN, Boris Mikhaylovich; SUDACHKOV, Yevgeniy Yakovlevich, kand.ekon. nauk; CHULITSKIY, Lev Dmitriyevich; KARASIKOV, S.A., prepodavatel', retsenzent; MOTOVILOV, G.P., doktor sel'skokhoz.nauk, red.; SHAKHOVA, L.I., red.izd-va; FUKS, Ye.A., red.izd-va; BACHURINA, A.M., tekhn.red.

[Forestry economics; organization and production planning] Ekonomika lesnogo khoziazstva; organizatsiya i planirovaniye proizvodstva. Moskva, Goslesbumizdat, 1958. 292 p. (MIRA 12:3)

1. Khrenovskiy tekhnikum lesnogo khozyaystva (for Karasikov). (Forests and forestry--Economic aspects)

VORONIN, Ivan Vasil'yevich, prof.; ZDRAYKOVSKIY, Dionis Iosifovich;
KOZLOV, Nikolay Andreyevich; LEBEDEV, Arseniy Andreyevich;
SEMENOV, Izosim Alekseyevich; SUDACHKOV, Yevgeniy Yakovlevich;
VASIL'YEV, P.V., doktor ekon. nauk, retsenzent; KARASIKOV,
S.A., retsenzent; MOTOVILOV, G.P., red.; SVETLAYEVA, A.S., red.
izd-va; POPOVA, V.V., tekhn. red.

[Economics, organization and planning of lumbering production in
lumbering camps] Ekonomika, organizatsiia i planirovanie leso-
khoziaistvennogo proizvodstva v leskhozakh i lespromkhozakh.
Izd.2, dop. i perer. [By] I.V.Voronin i dr. Moskva, Goslesbum-
izdat, 1963. 299 p. (MIRA 17:2)

PAKIN, G.V.; GOLOVKOV, M.P., voyennosluzhashchiy; KARASIKOV, V.G., inzh.

Discussion of the article "Eliminate lack of personal responsibility in servicing automatic stop devices." Avtom., telem. i svyaz' 7 no.6:45 Je '63. (MIRA 17:3)

1. Pomoshchnik revizora po bezopasnosti dvizheniya poyezdov Kavkazskogo otdeleniya Severo-Kavkazskoy dorogi (for Pakin).
2. Groznenskaya distantziya signalizatsii i svyazi Severo-Kavkazskoy dorogi (for Karasikov).

KUZNETSOV, S.I.; KARZINKIN, G.S.; YEGOROVA, A.A.; KASTAL'SKAYA, M.A.;
KARASIKOVA, A.A.; IVANOV, M.V.; ZAVARZIN, G.A.; DERYUGINA, Z.P.

Rigid vegetation as green fertilizer for increasing the productivity of fish farms. Vop.ikht. no.5:119-137 '55. (MLRA 9:5)

1. Institut mikrobiologii Akademii nauk SSSR i Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii, VNIRO.

(Fish culture)

17(3)

SOV/20-122-6-32/49

AUTHORS: Petrenko, I. N., Karasikova, A. A.

TITLE: The Amino Acid Composition of Proteins During the Maturing of the Offspring of Sprats (*Clupea sprattus*) From the Gulf of Riga (Aminokislotnyy sostav belkov v protsesse sozrevaniya polovykh produktov u salaki Rizhskogo zaliva)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 6, pp 1071-1072 (USSR)

ABSTRACT: The problems of the physiology and especially of the bio-chemistry of fish in the time before and during spawning are investigated only very insufficiently. In order to fill that gap the authors undertook the task of making clear the changes in the content of amino acids in the muscles and offspring of the sprat spawning in spring. They ascertained an instability in the content of amino acid in the course of the ovo- and spermatogenesis. From the data given in table 1 it can be seen that the content of arginine in the muscle proteins of the female is almost constant in the 2nd and 3rd stage of maturing (9.95 - 9.30%). From the 4th stage of maturing onward the content of arginine decreased rapidly (down to 5.18%). Not all amino acids

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SOV/20-122-6-32/49

The Amino Acid Composition of Proteins During the Maturing of the Offspring
of Sprats (*Clupea sprattus*) From the Gulf of Riga

take part in the maturing process of the offspring to the same extent. There is a slight increase in the content of histidine in the proteins of the muscles of a female up to the 5th stage of maturing (from 1.21 to 1.65%) which goes then down to 0.90% in the 5th stage. There are also some changes in the content of aromatic amino acids during the spawning: during the oogenesis of the female tryptophane is reduced from 2.73 to 1.02% and tyrosine from 3.65 to 2.66%. With the maturing of the gonads the relative content of methionine in the muscles decreases from 3.69 to 1.68%. There is a slight increase in the content of methionine, arginine, and histidine in females after spawning (6th stage of maturing). It was found that, according to the degree of maturing of the gonads, amino acids are accumulated. Thus in a male only a few irreplaceable amino acids were found in the 2nd stage of maturing: lysine, histidine, arginine, methionine, and tryptophane, while in female gonads apart from those already mentioned also "threonine" was found. In the gonads of both sexes the leucine group was found in the 3rd stage of maturing. In the 4th and 5th stage almost all

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SOV/20-122-6-32/49

On Amino Acid Composition of Proteins During the Maturing of the Offspring of Sprats (*Stupa sprattus*) From the Gulf of Riga

amino acids are found in their gonads. The tyrosine content, however, decreases in the course of the spermatogenesis of the male from 6.21 to 0.74%. The histidine accumulation in the proteins of male gonads took place more intensely than in females (Table 1) where its content remained practically constant. A similar situation was observed with sturgeons (Ref 2). In the proteins of the gonads of both sexes the arginine content increases. In the muscles the reverse phenomenon is the case: while in the case of the sprat the arginine content in the muscles of the male increased, it decreased with the maturing of the gonads of the female. From the phenomena described above it can be concluded that the amino acids of the muscle proteins during the ovo- and spermatogenesis undergo complicated changes. They are mainly employed in the development of the offspring. There are 1 table and 4 Soviet references.

3/3
Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (All-Union Scientific Research Institute of Maritime Fishery and Oceanography)

PETRENKO, I.N., kand biologicheskikh nauk; KARASIKOVA, A.A.

Using indices of the amino acid complex of the Baltic herring
in short-range forecasts of its catches. Trudy VNIRO 42:189-
194 '60. (MIRA 13:9)

(Baltic Sea--Herring fisheries)
(Amino acid metabolism)

PETRENKO, I.N.; KARASIKOVA, A.A.

Biochemical evaluation of spawners of the Kura River salmon *Salmo trutta caspicus* Kessler and their roe in the Chaykend and Chukhurkabala hatcheries. Vop. ikht. 2 no.2:286-290 '62.

(MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (VNIRO).

(Chaykend--Trout) (Chukhurkabala--Trout) (Fishes--Eggs)

KARASIKOVA, V.G.

KARASIKOVA, V.G.

Intestinal perforation in children suffering from typhoid fever.
Pediatrics no.2:84-85 F '57. (MIRA 10:10)

1. Iz 2-y klinicheskoy detskoy infektsionnoy bol'nitsy Alma-Aty
(glavnyy vrach F.S.Sakova) i kafedry detskikh infektsionnykh
bolezney (i.o.zav. kafedroy - kandidat meditsinskikh nauk T.E.
Nikonova) Kazakhskogo meditsinskogo instituta
(TYPHOID FEVER) (INTESTINES--DISEASES)

SHAKHNOVICH, R.A.; BYCHKOVA, E.N.; KARASIN, B.Z.

Viral etiology of acute primary infectious polyradiculoneuritis.
Zhurn. nevrologii i psikiatrii. 65 no.11:1658-1658 '65.

(MIRA 18:11)

1. Nevrologicheskoye otdeleniye 57-y gorodskoy klinicheskoy
bol'nitsy (zaveduyushchy B.Z.Karasin, glavnyy vrach F.S.
Petrushko) i Institut virusologii AMN SSSR, laboratoriya
sravnitel'noy virusologii (zaveduyushchiy - prof. A.V.Shubladze),
Moskva.

KARASIN, B.Z. (Moskva)

Experiences with a Soviet antibiotic mycerin in the treatment
of neuroinfections. Klin. med. 41 no.9:58-61 S'63

(MIRA 17:3)

1. Iz nevrologicheskogo otdeleniya (zav. B.Z. Karasin) Moskov-
skoy gorodskoy klinicheskoy bol'nitsy No.67 (glavnyy vrach P.S.
Petrushko).

ANDREYEV, I.V., inzh.; KARASIN, G.S., inzh.

Design and specification of dial telephone systems for power installations. Elek.sta. 28 no.12:51-54 D '57. (MIRA 12:3)
(Power engineering) (Telephone, Automatic)

ZVENIGORODSKIY, Iosif Solomonovich; KARASIN, Gilel' Samoylovich;
ANDREYEV, I.V., red.; LARIONOV, G.Ye., tekhn.red.

[Construction and operation of intercommunication systems in
electric-power plants and electric substations] Sooruzhenie
i ekspluatatsiia sredstv vnutriob'ektnoi svyazi na elektro-
stantsiyakh i podstantsiyakh. Moskva, Gos.energ.izd-vo, 1959.
287 p. (MIRA 13:11)

(Electric power plants--Communication systems)
(Electric substations--Communication systems)

ANDREYEV, Igor' Vladimirovich; KARASIN, Gillel' Samoylovich;
PODREZOV, V.M., red.; SHIROKOVA, M.M., tekhn. red.

[Over-all automation of telephone communications in electric
power distribution systems] Kompleksnaia avtomatizatsiia te-
lefonnoi sviazi energosistem. Moskva, Gosenergoizdat, 1962.
87 p. (MIRA 15:8)

(Electric power distribution--Communication systems)
(Telephone)

KARASIN, G.Ya.

"Power Engineering in the "Second Bank" Petroleum Refinery".

Vostochnaya Neft. No 1, pp 37-41, 1939. Moskva.

SO: 1A1-102-55 14 Dec. 1954.

TRANSLATIONS:

KARASIN, G.Ya.; KUZYATIN, G.S.

Planning power supply and consumption in oil refineries. Energ.biul.
no.8:14-24 Ag '56. (MLRA 10:2)

(Electric power)

(Petroleum industry--Equipment and supplies)

KARASIN, G.

AID P - 2158

Subject : USSR/Petroleum-Engineering

Card 1/1 Pub. 28 - 9/9

Author : G. Karasin

Title : Activities of the Technical Council of the Ministry of the Petroleum Industry of the USSR

Periodical: Energ. byul, no.5, 29-32, My 1955

Abstract : The author reports on the conference held in Moscow Feb.15-18, 1955, by 70 power engineers and petroleum refiners representing practice and research, who gathered to listen and discuss 7 reports on the subject of "Collection and Recovery of Condensates at Oil Refineries and Gas Works".

Institution: The Ministry of Petroleum Industry of the USSR (various sections), The Ministry of Petroleum Industry of Azerbaydzhanskaya SSR, The Ministry of Electric Power Plants, The Petroleum Institute im. Gubkin.

Submitted : No date

ZARASIN, G.Ya.

Consumption of water vapor in present-day petroleum refineries.
Energ. biul. no.3:15-21 Mr '57. (MLRA 10:4)
(Petroleum--Refining)

KARASIN, G.Ya.

Regularity of steam consumption in modern petroleum refineries.
Energ.biul. no.4:16-21 Ap '57. (MLRA 10:5)
(Petroleum--Refining)

KARASIN, G. Ya.

KUZYATIN, G.S.; KARASIN, G.Ya.

Power supply and heat utilization in enterprises of the petroleum
refining industry. Energ.biul. no.11:27-32 N '57. (MIRA 10:10)
(Petroleum industry) (Electric power)

BALANIN, V., kand.tekhn.nauk; KARASIN, M., inzh.

Improve the mooring of ships in navigation lock chambers. Mech. transp.
22 no.6:36-38 Je '63. (MIRA 16:9)
(Locks (Hydraulic engineering))

BALASHIN, V., kand. tekhn. nauk; KARASHIN, M., inzh.

Conditions of the passage of ships through the lock chamber.
Rech. transp. 24 no. 11:30-32 '65. (MIRA 19:1)

SIMANOVSKIY, L.I.; PROLOV, V.I.; KARASIN, Ye.R.; SAVICHEV, G.V.;
MARGULIS, V.G.

Change in the design of machines for manufacturing escapees
laquer-fibers. Prom. energ. 17 no.12:5-6 D '62. (MIRA 17:4)

KARASIN, Z.B.; YEZERSKIY, G.Ye., red.; ZAYTSEVA, T.M., red.; KOGAN, V.V.,
tekhn.red.

[Summer footwear manufactured from new materials; "Zaria svobody"
shoe factory] Letniaya obuv' iz novykh materialov; obuvnaya
fabrika "Zaria svobody". Moskva, Gos.nauchno-tekhn.izd-vo M-va
legkoi promyshl. SSSR, 1957. 25 p. (MIRA 12:11)

1. Russia (1923- U.S.S.R.) Ministerstvo legkoy promyshlennosti.
Tekhnicheskoye upravleniye. Byuro tekhnicheskoy informatsii.
(Moscow--Shoe manufacture) (Synthetic fabrics)

VOROB'YEVA, A.A.; YEZERSKIY, G.Ye .; KARASIN, Z.B.; KEDROV, L.B.; LEYTES,
L.G.

New fabrics used for warm shoe uppers. Leg. prom. 18 no.3:9-10 Mr
'58. (MIRA 11:4)

(Shoe manufacture)

KARASINA, Ye. S.

"Heat Transfer in Banks of Tubes With Transverse Fins. Rational Construction of a Cast-Iron Finned-Tube Economizer." Sub 20 Jun 51, All-Union Order of the Labor Red Banner Heat Engineering Sci Res Inst imeni F. E. Dzerzhinskiy

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55

KARASINA, E. S.

KARASINA, E. S. -- "HEAT TRANSFER IN COUNTER-OF-STREAM FLOW HEAT EXCHANGERS. RATIONAL DESIGN OF A COUNTER-STREAM HEAT EXCHANGER." 30 JAN 62, ALL-UNION CONFERENCE ON HEAT ENGINEERING, 541-550, 1961, INST. INGEN. F. E. DZEPCHIN KRY (DIPLOMA FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

50: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1959

KARASINA, E. S.

231T40

USSR/Engineering - Thermodynamics,
Boilers

May 52

"Heat Exchange in the Groups of Finned Tubes of
a Cast Iron Economizer," V. N. Timofeyev, Cand
Tech Sci, E. S. Karasina, Engr, Boiler Lab, VTI

"Iz v-s Teplotekh Inst" No 5, pp 20-23

Describes expts to establish dependence of heat
loss and aerodynamic resistance in bunches of
tubes on various parameters, such as: arrange-
ment of tubes in bunch, diam, spacing, shape of
fins, their height, spacing and thickness. Dis-
cusses and presents results in graphical form.

231T40

KARASINA, Ye. S.

Boilers

Operation and testing of ribbed cast iron water economizer VTI. Za ekon. top. 9,
no. 6, June 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

KARASINA, E. S.

FA 248186

USSR/Engineering - Heat Transfer,
Economizers

Dec 52

"Heat Exchange in Banks of Finned Tubes", Cand
Tech Sci E. S. Karasina, Boiler Section

Iz V-S Teplotekh Inst, No 12, pp 12-16

Stating that existing analytical methods of calcg
heat exchange give no practical possibilities for
designing heat exchangers, discusses such method
when heat exchange by convection is isolated and
studied experimentally and heat exchange through
fins is determined by analytical method. This
method was developed at Boiler Lab during expts to
develop rational design of cast iron finned econo-
mizer.

248T86

KARASINA, E. S.

Subject : USSR/Electricity

AID P - 2077

Card 1/1 Pub. 26 - 19/29

Authors : Kuznetsov, N. V., and Karasina, E. S., Kands. of Tech.
Sci.

Title : Cast iron air-preheater with ribbed fins

Periodical: Elek. sta., 4, 49-50, Ap 1955

Abstract : The author discusses the wide use of cast iron air-heaters made of pipes ribbed inside and out and gives data and a detailed description of their design.

Institution: None

Submitted : No date

Karasina, E. S.

Subject : USSR/Power Engineering AID P - 4376

Card 1/1 Pub. 110 a - 2/17

Authors : Karasina, E. S., S. I. Mochan, Kand. Tech. Sci., and
O. G. Revzina, Eng. All-Union Heat Engineering Institute
and Central Boiler and Turbine Institute.

Title : On establishing the heat transfer ratio in boiler heating
surfaces.

Periodical : Teploenergetika, 5, 8-13, My 1956

Abstract : The difference in the heat transfer ratio in laboratory
experiments and that actually obtained in industrial
installations is discussed. Causes, such as ratios of
dirt, sediments, etc. are explained. The functions of
one- and two-stage steam preheaters and economizers are
described. Two diagrams, three tables.

Institution : ~~None~~ *A-U Heat Eng. Inst & Cent Steam Turbine Inst*

Submitted : No date

KARASINA, E.S., kand.tekhn.nauk

Investigating heat exchange in a combustion chamber with wall radiation superheaters when burning antrathite culm. Teplo-energetika 7 no.3:30-37 Mr '60. (MIRA 13:5)

1. Vsesoyuznyy teploekhnicheskii institut.
(Boilers) (Heat--Transmission)

KARASINA, E.S., kand.tekhn.nauk

Letter to the editor. Teploenergetika 7 no.10:79-80 0 '60.
(MIRA 14:9)

1. Vsesoyuznyy teplotekhnicheskii institut.
(Boilers) (Heat--Transmission)

KARASINA, E.S., kand.tekhn.nauk; KROPF, L.I., inzh.

Study of heat exchange in a combustion chamber with a screen-type superheater during the burning of anthracite culm.
Teploenergetika 8 no.8:61-67 Ag '61. (MIRA 14:10)

1. Vsesoyuznyy teplotekhnicheskiy institut.
(Superheaters)

KARASINA, E.S.; KROPP, L.I.; MINTS, M.S.; KNYAZ'KOV, B.N.; LITVINOV, D.D.;
GRINBLAT, Ye.I.; KAZAKOV, V.Ya.; VOLKOV, B.V.; BARDIN, V.V.

Exchange of experience. Zav.lab. 28 no.5:633-635 '62.

(MIRA 15:6)

1. Vsesoyuznyy teploekhnicheskii institut imeni F.E.Dzerzhinskogo
(for Karasina, Kropp, Mints). 2. Institut radiofiziki i
elektroniki AN USSR (for Knyaz'kov, Litvinov). 3. Ural'skii
politekhicheskii institut imeni S.M.Kirova (for Grinblat,
Kazakov). 4. Opytnokonstruktorskoye byuro sinteticheskikh pro-
duktov (for Volkov). 5. Leningradskiy tekhnologicheskii
institut imeni Lensovetu (for Bardin).

(Chemical apparatus)

1-39491-65 SWT(1)/EPR(c)/EPR(n)-2/ENG(m)/EPR-Pr-4/PS-4/Ps-4 WW
ACCESSION NR: AP5011719 UR/0056/64/006/011/0039/0044

AUTHOR: Karasina, E. S. (Candidate of technical sciences); Karpov, V. V. (Engineer); Partynov, A. V. (Engineer); Mints, M. S. (Engineer) 46 45 B

TITLE: Investigation of heat exchange in the burner and superheaters during consumption of mazut 21

SOURCE: Teploenergetika, no. 11, 1964, 39-44

TOPIC TAGS: thermoelectric power, thermoelectric power plant, steam boiler, steam superheater, heat transfer, combustion chamber, combustion

ABSTRACT: The results are presented of an investigation of heat exchange in the combustion chamber of TP-170-1 and BKZ-210-1407 boilers during combustion of sulfurous Bashkir mazut [petroleum residue]. The test data on the total heat exchange with $\alpha > 1.1$ are described well by computed recommendations (Gurvich, A. M., Karasina, E. S., Karpov, V. V., Informatsionnoye pis'mo VTI and TekTI, 1961). Use of sprayers of various constructions, and also the conversion of three stages of burners into two and into one with a simultaneous increase of the productivity of the sprayers does not exert an influence on the total heat exchange. During

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1. 39491-65

ACCESSION NR: AP5011719

a reduction of the surplus air to below 1.1 and to 1.04, the temperature of gases at the output of the combustion chamber of the BKZ-210-140F boiler exceeded that computed at approximately 100° C, which was caused by persistence of the combustion. The variation factor of the upper third of the burner of the BKZ-210-140F boiler amounted to $\gamma = 0.7$. The maximum incident heat flow in the burner of the BKZ-210-140F boiler is distributed in the region of the sprayers on the side walls and at just the same level in the center of the front wall, and amounts to 470 kilowatt/m². The average values of the coefficients of clogging for the superheaters are as follows: screen superheater -- $\xi = 0.013 \text{ m}^2 \cdot \text{degree/watt}$; second (hot) stage of the convective superheater $\xi = 0.011 \text{ m}^2 \cdot \text{degree/watt}$; first (cold) stage of the convective superheater $\xi = 0.017 \text{ m}^2 \cdot \text{degree/watt}$. Such high values of the coefficients of clogging indicate the necessity for cleaning the superheaters during consumption of maxit. Orig.art.has:3 tables, 6 graphs

ASSOCIATION: VTI; BASHENERGO

SUBMITTED: 00

ENCL: 00

SUB CODE: TD, EE

NO REF SOV: 005

OTHER: 000

JPRS

Card 2/2 *ks*

KARASINA, E.S., kand. tekhn. nauk; KROPP, L.I., kand. tekhn. nauk;
ABRYUTIN, A.A., inzh.; MINTS, M.S., inzh.

Use of a heat probe in the study of the heat exchange of furnaces
and steam boilers. Tepolenergetika 12 no.2:69-72 F '65.

(MIRA 18:3)

1. Vsesoyuznyy teplotekhnicheskii institut.

KARASINA, I.A.

Experimental investigation of the power system of the "102" vibrator
used in pile driving in sandy soils. Trudy NII osn. i fund. no.22:
42-46 '53. (MLRA 7:11)
(Pile driving)

PYATAKOV, A.; PLETENEV, P.; Chos, S.; SEDOV, B.; SAAKOV, M.; ORLOVSKIY, Yu.; KARASINA, N.; MAMIOFA, I., inzh.

Discussing the draft of the "Basic Principles of the Labor Law of the U.S.S.R. and the Union Republics". Sots.trud 4 no.11:12-32 N '59. (MIRA 13:4)

1. Direktor Krasnopresnenskogo sakharorafinadnogo zavoda (for Chos). 2. Predsedatel' zavkoma profsoyuza Krasnopresnenskogo sakharorafinadnogo zavoda (for Sedov). 3. Zamestitel' zaveduyushchego otделom truda i zarabotnoy platy TSentral'nogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (for Saakov). 4. Institut prava AN SSSR (for Orlovskiy). 5. Institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Karasina). 6. Leningradskiy oblastnoy sovet Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Mamiofa).

(Labor laws and legislation)

KARASINSKA, Jozefa, KWIATKOWSKI, Antoni

The IM-18 magnetic layer for drum storage. Prace inst
masz mat 2 no. B -3 1-25 '63.

KWIATKOWSKI, Antoni; KARASINSKA, Jozefa

Ink conducting electric current. Przegl elektroniki 3 no.6:
302-304 Je 62.

1. Zaklad Aparatow Matematycznych, Polska Akademia Nauk, Warszawa.

KARASINSKA, S

At the beginning of a season for poultry breeders, p. 5. (PRZEGLAD JAJCZARSKO DROBIARSKI
Warszawa, Vol. 1, no. 8, Aug. 1953.)

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

KARASINSKI, T.

The precipitation in the Tatra Mountains, p. 223.

Panstwowy Instytut Hydrologiczno-Meterologiczny. WIADOMOSCI SLUZBY HYDROLOG-
ICZNEJ I METEOROLOGICZNEJ.
Warszawa, Poland. Vol. 6, no. 5, 1959

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Uncl.

NARAS (WSK) TADEUSZ



351.377.213 (438)
 Precipitation in the Tatra Mts. [Atmospheric
 Prof. Dłg. Results of a study based on results of observations at 11 meteorological stations
 in the Tatras between 1901-1951. An analysis of the monthly and annual precipitation
 amounts enables the author to present a characteristic of the seasonal features of precipitation
 distribution which differs depending on the altitude and exposure of the area to approaching
 rain clouds. Subject headings: 1. Precipitation distribution 2. Precipitation amount 3. Long
 period records 4. Tatra Mountains, Poland. — J. M. P.

2

WJ
 11/2/61

KARASINSKI, Z.

DECEASED
6' 1958

1962/5

SEE ILC

ELECTRIC ENGINEER

VABEL', V.D., inzh.; KARASINSKIY, L.K., inzh.

Prevention of nonsynchronized starts in case of manual
synchronization. Energetik 10 no.10:19-21 0 '62. (MIRA 15:12)
(Electric power distribution)

KARASK, FRANTISEK

"Fysiologie; ucebnice pro zdravotnicke skoly. 6 vyd. Praha, Statni zdravotnicke nakl., 1957 215 p. (Physiology; a textbook for schools of health. 6t ed. illus.)"
DNLM Not in DLC

P 215 (Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

~~KARASKEVICH, Y.~~ KARASKIEWIEZ, E.

POLAND/Acoustics - Sound Waves and Oscillations

J-2

Abs Jour : Ref Zhur - Fizika, No 11, 1958, No 26029

Author : Karaskevich Ye.

Inst : Not Given

Title : Vibrations of Strings with Finite Mass.

Orig Pub . Zesz. nauk. Uniw. Poznaniu, 1957, No 12, 15-37

Abstract : A variable linear density is assumed specified in the form of a product of two functions, one of which depends only on the position and the other only on the time. The motion of the string is described in this case by an integral equation, which is solved by the eigenvalue method. As a result it turns out that the position of the nodes depends only on the spatial factor of the density, and the frequency depends both on the spatial and on the temporal factors. When the spatial density factor is replaced by another function, all the frequencies of the component vibrations change. The results obtained pertain to vibrations of an ideal string with zero stiffness and ideally stiff support, i.e., they are the first

Card : 1/1 approximation in the problem of the actual vibrations.

KARASKIEWICZ, E.

POLAND/Acoustics - Musical Instruments Acoustics

J-10

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 23758

Author : Kwick M., Flatau K., Karaskiewicz E.

Inst : Not Given

Title : Acoustic Spectra of the Clavecin and of the Piano

Orig Pub : Zesz. nauk. Uniw. Poznaniu, 1957, No 12, 49-60

Abstract : Spectra are given of the peak values for two pianos and one clavecin. The spectra is served as the basis for the investigation of the influence of a hammer tone on the timbre and for the dependence of the timbre on the applied force in the case of an elastic hammer.

Card : 1/1

POLAND/Acoustics - Sound Waves and Oscillations

J-2

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1732

Author : Karaskiewicz E.

Inst : Adam Mickiewicz University, Poznan, Poland

Title : Radiation Pressure of an Acoustic Plane Wave.

Orig Pub : Bull. Soc. sci. et lettres Poznan, 1956, 1957 (1958),
B14, 73-86

Abstract : Survey article. When there is no reflection from an obstacle, the radiation pressure is expressed, after Brillouin, in the form of a tensor $\{T_{ik}\}$ with components $T_{ik} = \overline{p_i u_k} + \overline{p u_i u_k}$, where the bar denotes averaging over the time, $p = p_0 + p$, p_0 is the hydrostatic pressure in the unperturbed medium, and u_i are the velocity components. In the case of oblique incidence of sound, the pressure on the obstacle is expressed by the formula $p = \{T_{ik}\} \cdot n$, where n is the unit vector in a direction normal to the surface of the obstacle. The given value of $\{T_{ik}\}$ pertains to an unlimited sound field: the interaction between the sound beam and the

Cord : 1/3

POLAND/Acoustics - Sound Waves and Oscillations

J-2

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1732

unperturbed medium is disregarded. The equations of an ideal liquid in the Euler coordinates for the case of adiabatic propagation of sound are reduced to the expression for the radiation pressure on a moving reflector

$$\bar{p} - p_0 = 2\bar{\bar{E}}_{kin} + (\gamma - 1)\bar{\bar{p}} + p_0(\bar{\rho} - \rho_0)/\rho_0$$

where E is the internal energy, and $\gamma = c_p/c_v$; the double bar indicates averaging over both time and space. This relation yields the Rayleigh radiation pressure for a wave propagating in an absolutely rigid tube ($\bar{\xi} - \xi_0 = 0$, $\bar{\bar{E}} = E_{pot}$); for a limited sound beam in an unlimited region, the Langevin radiation pressure $\bar{p} - p_0 = 2\bar{E}_{kin}$, is obtained only upon linearization of the equation of the adiabatic process. If the interaction with the unperturbed medium is not taken into account, the radiation pressure in a liquid with a constant compressibility $\bar{p} + \xi u^2$ vanishes in Lagrangian coordinates. Certain difficulties are noted in taking this interaction into account for an unsmoothed boundary of the sound beam.

Card : 2/3

KARASKIEWICZ, E.

AKUSTYKA. (Uniwersytet im. Adama Mickiewicza w Poznaniu) Poznan. (Papers on acoustics issued by Adam Mickiewicz University in Poznan; with English summaries.)

Acoustic spectra of the harpsichord and the piano. p. 49.

No. 1, 1957

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 3, March 1959
Unclass

KARASKIEWICZ, Edmund; KWIEK, Marek

Studies on music halls by means of the method of impulses on models.
Prace matem przyrod Poznan 9 no.3:3-10 '62.

KARASKIEWICZ, Edmund

Nonlinear theory of the Helmholtz resonator for low frequencies.
Prace matem przyrod Poznan 9 no.3:11-17 '62.

KARASKIEWICZ, J., MARKIEL, E.

Biological treatment of waters containing phenol and cersol. p. 136
Accidents in the petroleum industry. p.142.

NAFTA. (Instytut Naftowy) Kradow, Poland. Vol. 15, no. 5, May 1959

Monthly list of European Accessions (EEAI) LC. Vol. 8, No.8 August 1959

Uncl.

KARASKIEWICZ, J.

KARASKIEWICZ, J. A virus disease of dandelions. p. 6.

Vol. 29, no. 10, Oct. 1955

LAS POLSKI

AGRICULTURE

Poland

So: East European Accession, Vol. 6, No. 5, May 1957

KARASKIEWICZ, Jerzy, mgr inż.

Experiments in releasing petroleum from oil deposits by
microbiological methods. Nafta Pol 20 no.3:61-66 Mr '64.

1. Instytut Naftowy, Krakow.

KARASKIEWICZ, J., mgr inż.

Changes of certain properties of petroleum producing boreholes
by applying the microbiological method. Nafta 21 no.4:111-113
Ap '65.

KARASKIEWICZ, Janusz K. (Slupsk, ul. Orboncow Wybrzeza 4)

~~Primary~~ Primary neoplasms of the spine (Hemangioma corporis vertebrae) causing symptoms of renal colic. Polski tygod. lek. 13 no.35:1369-1372 1 Sept 58.

1. Z Oddzialu Urologicznego Szpitala Miejskiego nr 3 w Chorzowie; ordynator: dr Lucjan Iach.

(SPINE, neoplasms

hemangioma, primary, simulating renal colic (Pol))

(URETERS, calculi

renal colic simulation by primary hemangioma of vertebral body (Pol))

KARASKIEWICZ, Jerzy, mgr inż.

Studies on anomalies of hydrocarbon oxidizing bacteria as applied to prospecting hydrocarbon deposits. Nafta Pol 19 Special issue:16-25 19-26 Je '63.

1. Instytut Naftowy, Krakow.

KARASKIEWICZ, Jerzy, mgr inz.

Biological method of increasing petroleum winning. Nafta:Biul
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PARASKI-WIAC, I.

"Devices for Automatic Unloading Speed the Transportation of Materials",
A. 20, (BUDOWIENICZESTWO, Vol. 6, No. 6, Nov./Dec. 1954, Warsaw, Poland)

SO: Monthly List of East European Accessions (FBI), 10, Vol. 1, No. 1,
March 1955, Incl.

KARASKIEWICZ, K.

KARASKIEWICZ, K. Floors in farm buildings. p. 25. Vol. 8, no. 12, Dec. 1956.
BUDOWNICTWO WIEJSKIE. Warszawa, Poland.

SOURCE: East European Accessions List (EFAL) Vol. 6, No. 4--April 1957

KARASKIEWICZ, K.

We eliminate lumber from building construction. p.22.

(BUDOWNICTWO WIEJSKIE. Vol. 9, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

ANASHEWICZ, K.

Sender: prevent damage, 6.11.

(UNCLASSIFIED) ENCL. Vol. 9, no. 4, Aug. 1947, 2 pages, 1st ed.

50: Monthly List of the European countries (1941) in. Vol. 9, no. 4, Aug. 1947.
Encl.

KARASLEWICZ, K. KARASKIEWICZ, K. ?

Karasiewicz, K.

DMS ceilings.

p. 23 (Budownictwo Wiejskie) Vol. 9, No. 9, Sept. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

KARASIEWICZ, S.

Insets for walls built of clay. p. 12. (Budownictwo Miejskie, Vol. 8, No. 7, July 1956, Warsaw, Poland)

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

KARASKIEWICZ, S.

Buildings which should not be constructed in rural areas. p. 21

BUDOWNICTWO WIEJSKIE. (Ministerstwo Rolnictwa i Ministerstwo Panstwowych
Gospodarstw Rolnych) Warszawa, Poland. Vol. 11, no. 10, Oct. 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

KARASKIEWICZ, J.

Microbiological studies in the Petroleum Institute. p. 312

NAFTA (Instytut Naftowy) Krakow, Poland, Vol. 15, no. 11, Nov. 1959

Monthly list of East European Accession (EEAI) LC., Vol. 9, No. 1, Jan 1960

Uncl.

DENISOV, K.N., kand.tekhn.nauk; KARAS'KOV, G.A.

Automatic computation of isograms by means of an electronic device.
Trudy TSNIIMF no.39:80-92 '61. (MIRA 15:5)
(Hydrometeorology) (Electronic digital computers)

L 02262-67 EWT(d)/EWP(1) IJP(c) GG/BB/JXT(CZ)

ACC NR: AT6014777

SOURCE CODE: UR/2752/63/000/051/0082/0086

AUTHOR: Karas'kov, G. A.; Denisov, K. N. (Candidate of technical sciences)

52
E+1

ORG: none

TITLE: Information input from a teletype circuit to an electronic digital computer

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 51, 1963. Vychislitel'naya tekhnika i avtomatizatsiya na morskoy flote (Computer technology and automation in the merchant marine), 82-86

TOPIC TAGS: teletype, electronic digital computer, alphanumeric code, signal coding, analog digital converter

ABSTRACT: The authors consider merchant marine fleet operations control system consisting of two independent, but interconnected, units: a digital computer and an information transmitter (teletype). Of all available computers, the "Ural" and "Minsk" are the most suitable for this function. The conversion of the information incoming from the communication line (open-wire and/or radio) in teletype code and its subsequent representation in a form suitable for read-in into the program-assigning computer is discussed. Computer design considerations are analyzed in the light of this requirement, and the conversion of the 5-position teletype code to a

Card 1/2

L 02262-67

ACC NR: AT6014777

6- or 7-position binary computer code is studied. The use of conversion equipment in conjunction with a 6-position binary code is shown to be the most suitable approach, with the alpha-numeric code unit of the "Ural-2" preferred in a slightly modified form. The possibilities of using specific codes when there is no logical relation between the codes at the input and output of the converter are analyzed in detail, and a pertinent table is given. A structural diagram is proposed for a device designed to feed data from the paper tape of the teletype through the converter to the computer. For information read-cut from the tape, the read-out unit and tape-advance mechanism of the "Minsk" input unit are recommended. At a read-out rate of 800 symbols/sec the device described permits the automatic introduction of 8192 and 5120 alpha-numeric characters to the ferrite storage units of "Ural-2" type equipment and the operational memories of "Minsk-1" equipment, respectively. Orig. art. has: 1 table and 2 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 004

Card 2/2 pb

L 13917-65 EEC-1/EEB-2/EEG(k)-2/EWI(d)/EEG(t)/EEG(3)/EWP(1)/FSS-2 Pg-1/Fj-1/Pk-1/
 P1-1/P2-1/Pn-1/Pp-1/Pq-1/Pac-1/Pae-2 IJP(c) GG/BB

ACCESSION NR: AR4046578

5/0271/64/000/008/B043/B043

SOURCE: Ref. zh. Avtomat., telemekh. i vychisl. tekhn. Svochnyy tom, Abs. 88287

AUTHOR: Karas'kov, G. A.; Danisov, K. N.

TITLE: Introducing information from teletype line into digital computer

CITED SOURCE: Tr. Tsentr. n.-i. in-ta morsk. flota, vyp.51, 1963, 82-86

TOPIC TAGS: code conversion, teletype code conversion

TRANSLATION: Conversion of the teletype-code information arriving from a line into a form suitable for digital computer is considered. Such a conversion is used in developing a system of automatic operational control of marine transportation. It is noted that the teletype code is best converted into a 6- or 7-digit binary code. In the latter case, one code digit is used for checks. The code may be converted by a machine program with a preliminary introduction of teletype-code information into a storage unit; this, however, would overload the computer. Hence, a special conversion device is preferable. A system of conversion of the teletype code into an alphanumerical "Ural-2" computer code is presented. As the teletype code has five digits, the converter receives information over five parallel channels; the

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ACCESSION NR: AR4046578

converter comprises a decoding 5-input device and an encoding 6-output device. A structural diagram of the converter is shown, and breaking up the conversion cycle into five stages is indicated. It is noted that with "Minsk" computer, the data introduction may be subdivided into three steps. At a reading rate of 800 signs per second, the converter permits introduction into the storage unit of "Ural-2" and "Minsk-1" computers 8192 and 5120 signs of alphanumerical information, respectively. Two illustrations. Bibliography: 4 titles.

SUB CODE: DP

EXCL: 00

Card

2/2 p. 8

KARAS/KOV, G.A.

Using a ship's radar for the automatic measurement of the
coordinates of objects. Trudy TSNIIMF no.55:112-119 '64.

(MIRA 18:2)

L 27810-66 EWT(d)/EWT(1)/FBD BC/WR

ACC NR: AT6005737 (N)

SOURCE CODE: UR/2752/64/000/055/0112/0119

AUTHOR: Karas'kov, G. A.

4/
B+1

ORG: none

TITLE: Using a shipborne radar for automatic measurement of coordinates of objects

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy, no. 55, 1964. Sudovozhdeniye i svyaz' (Navigation and communication), 112-119

TOPIC TAGS: radar, shipborne radar, navigation radar, radar range computer

ABSTRACT: General considerations and a tentative block diagram of a circular-scanning navigation radar and an adjunct digital computer are given. Two schemes are possible: (1) The computer constructs trajectories of the objects being scanned and rejects undesirable targets; this system requires high-capacity high-speed storages; (2) Physical "strobing" of echo signals is performed by the computer; this system places less rigorous requirements on the equipment. In the second system, the signal is isolated by a simple statistical digital detector. The echo signals in the range "strobe" are analyzed by shift registers. Target lock-in is realized when the radar-scope mark coincides with the movable range circle and the directional pattern. A double-reading (coarse and fine) system is used for range measurements. Advantages of automatic radar measurements -- higher accuracy and speed, several objects tracked -- are noted. Orig. art. has: 3 figures and 5 formulas.

SUB CODE: 17, 09 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 001

Card 1/1 CC

UDC: 621.396.969

KARASKOVA, M.

Experience with attempted control of nutrition in miners exposed to heat. Sborn.pathofysiol. trav. vyz. 7 no.1-4:68-75 June 1953. (CIML 25:1)

1. Of the Research Institute of Nutrition (Director--Docent J. Masek, M.D.), Prague.

KARASNICKI, W.

KARASNICKI, W.; WIELGOSZ, A.

Saving steel in steel constructions.

p. 19 (Budownictwo Przemyslowe) Vol. 4, no. 2, Feb. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

ALEKSANDROV, I.N., inzhener; ~~KAR~~ SNOWSKIY, A.Z., inzhener.

Increasing the effectiveness of automatic reclosing on single
transmission lines with two-way feed. Elek.sta. 27 no.5:44-50
My '56. (MLRA 9:8)

(Electric circuit breakers)

KARASONYI, S.; KURSCHNER, K.

Recent research in quantitative determination of lignin. p. 3.

DREVARSKY VYSKUM, Bratislava, Czechoslovakia, Vol. 4, No. 1, June, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959
Uncl.

KARASOV, A.V. (Moskva)

Medical aid of the Soviet Red Cross to people of foreign countries.

Sov.zdrav. 17 no.12:11-15 D '58.

(MIRA 12:2)

(SOCIAL SERVICE

Red Cross in Russia (Rug))

Bul -

x
KARASOV, N.F.

Peregrine falcon. Priroda 46 no.4:117 Ap '57.

(MIRA 10:5)

1. Severnaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo
instituta okhotnich'yego promysla.
(Dvina Valley--Falcons)