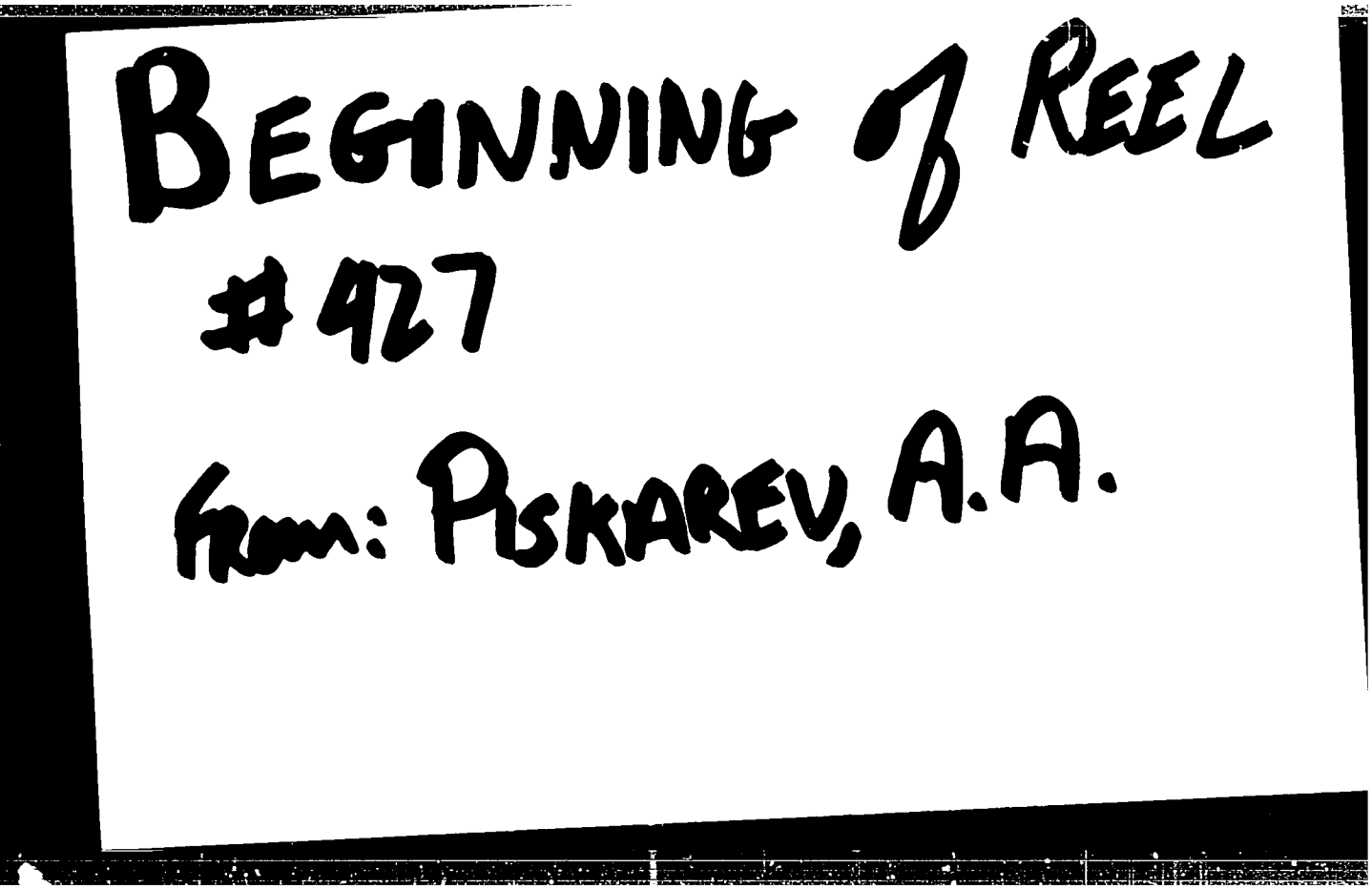


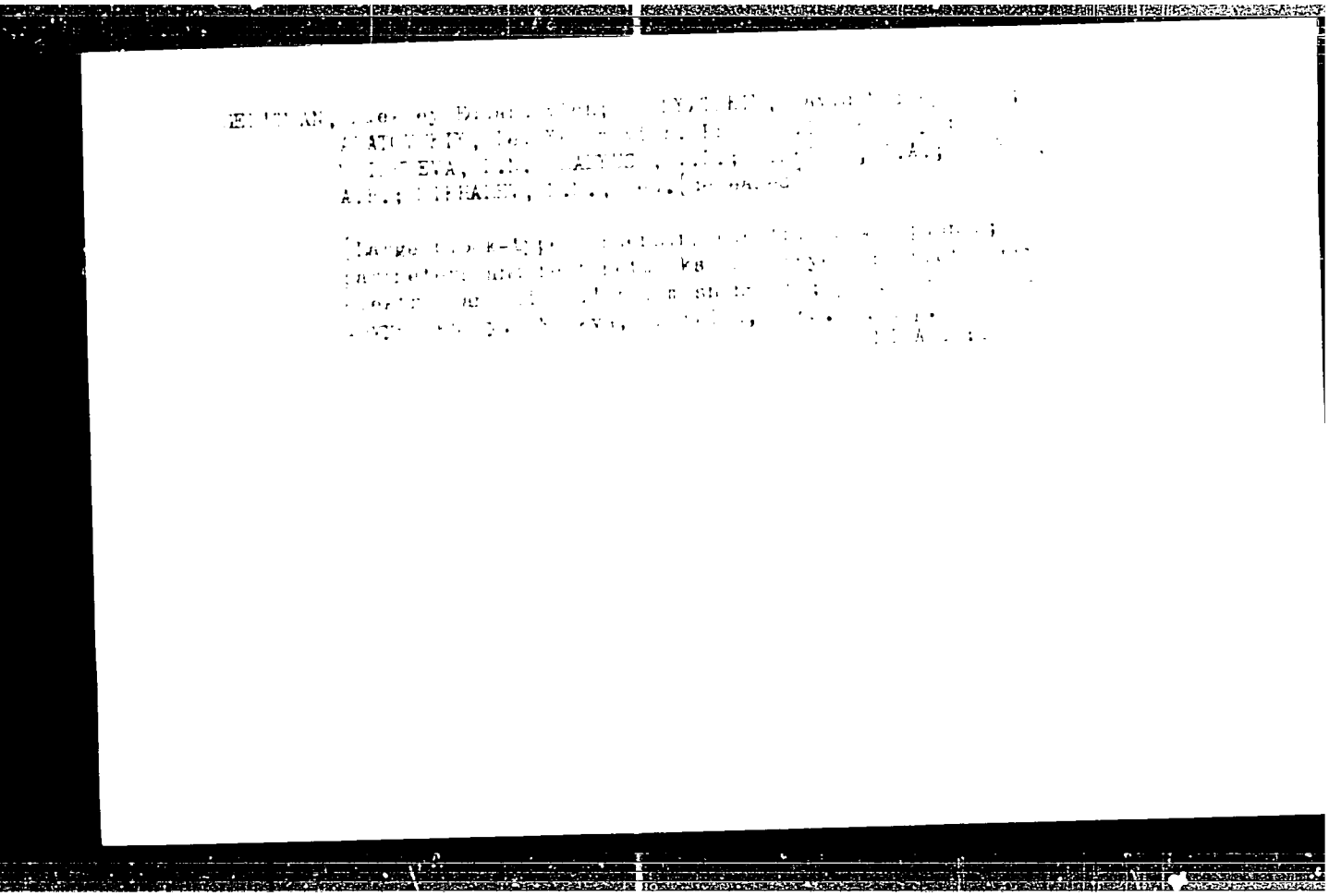
BULANOV, N.G.; KUPRIYANOVA, L.V.; TSUKERMAN, K.V.; BUDNYATSKIY, D.M.; GELTMAN, A.E.; KOSTYUVETSKIY, [illegible]; PISKAREV, A.A.; TARANIN, A.I.; ZAGNEYEV, M.I.; MOISEYEV, G.I.; KENDYS, P.N.; KIRPICHEV, Ye.F.; RUBIN, M.[illegible]; SOKOLOV, N.V.; SHCHERBAKOV, V.A.; KOVALEV, N.N.; BELOV, A.A.; SEREBRYAKOV, G.M.; SATANOVSKIY, A.Ye., red.; MIDDATIS, K.F., red.; KOGAN, KORKHOVA, V.I., red.; EREPENNIKOV, B.A., red.; KOGAN, F.L., tekhn. red.

[Manufacture of power machinery abroad] Energeticheskoe mashinostroenie za rubezhom. Moskva, 1961. 583 p. (MIRA 16:8)

(Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii mashinostroyeniya.
Electric power plants--Equipment and supplies)

GEL'TMAN, A.E., kand.tekhn.nauk; PISKAREV, I.A., inzh.

Concerning the utilization or reserve power of turbine and boiler units. Elek.sta. 33 no.2:2-6 F '62. (MIRA 15:3)
(Boilers)(Steam turbines)



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12

Control of the process of homogenizing fat emulsions A. Piskarev and L. Kremnev (Leningrad Inst. Refrig. & Dairy Ind.). *Molochnaya Prom.* 12, No. 10, 31-3(1951). The importance of complete dispersion analysis of fat globules in dairy products is stressed. The procedure for droplet counting and measurement is explained. C. M. K.

DOLGOBORODOV, I.V., zasluzhennyy zootekhnik RSFSR; ZIMINA, K.I.; PISKAREV, A.G.; YAKOVLEV, F.A.; BOLOGOV, G.N., red.; BARANOVA, L.G., tekhn.red.

[Brief manual on dairy cattle raising] Kratkii spravochnik po molochnomu zhivotnovodstvu. Leningrad, Gos.izd-vo sel'khoz. lit-ry, 1960. 295 p. (MIRA 14:2)
(Dairy cattle)

PISKAREV, A. I.

"Correlation between the histological structure of frozen fish muscular tissue and its post-mortem changes."

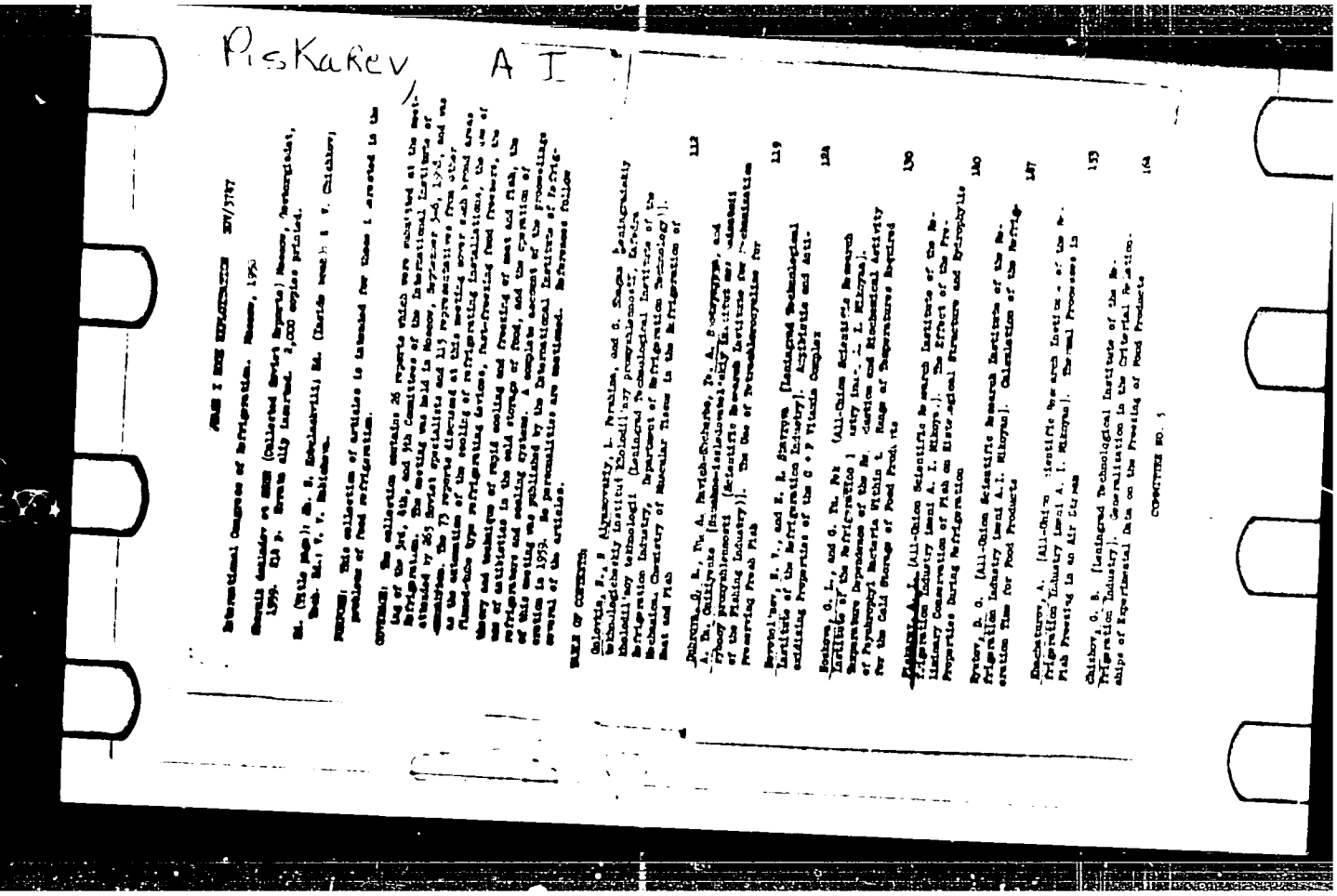
Report presented at the 11th International Congress of Refrigeration, (IIR), Munich, West Germany, 27 Aug-4 Sep 63.

PISKAREV, A.I., kand.tekhn.nauk; KAMINARSKAYA, A.K., kand.tekhn.nauk

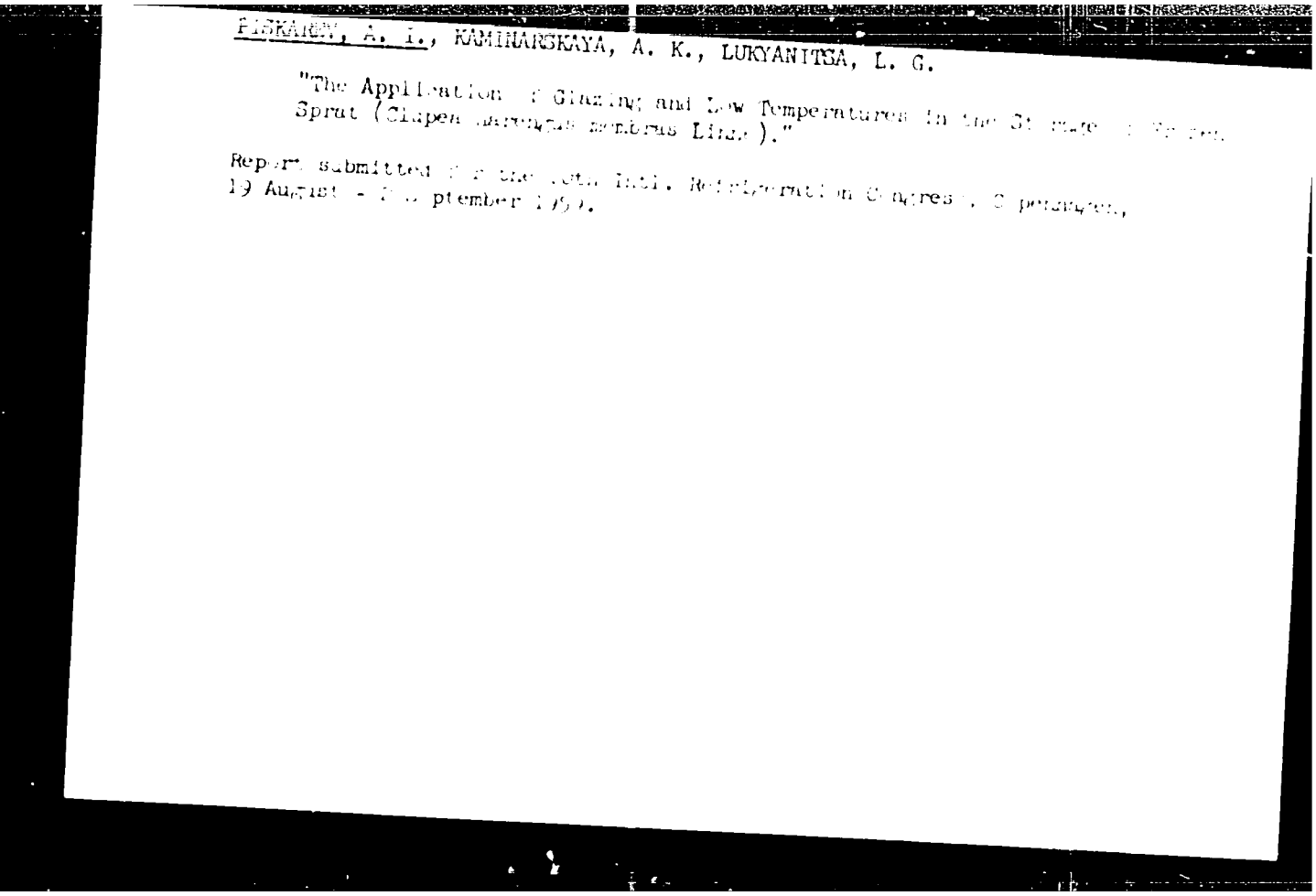
Modification of the histological texture and additional freezing out of water in fish tissues in connection with cold storage. Khol.tekh. 36 no.2:34-38 Mr-Ap '63 (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti.

(Fish, Frozen)



Piskarev, A. I.



RASKAZOV, A. I., KAMINARSKAYA, A. K., LUKYANITSA, L. G.

"The Application of Glazing and Low Temperatures in the Storage of Fish. Sprat (Clupea harengus membras Linn.)."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen, 19 August - 2 September 1959.

ACC NR: AP6...

AUTHOR: Piskarev, A. I. (Candidate of ...); ...; Ushakova, ... V.; Dadarev, G. V.; ...

ORG: (Piskarev, ...; Ushakova, ...; Dadarev, All-Union Scientific-Research Institute of the Refrigeration Industry (Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti); (..., ...) Klaypeda Branch, Central Design and Technological Bureau (Klaypedskiy filial Tsentral'nogo proyektno-konstruktorskogo i tekhnologicheskogo byuro)

TITLE: Investigations on the storage of North Sea herring in refrigerated sea water. I. Technological investigations

SOURCE: Kholodil'naya tekhnika, no. 2, 1966, 52-56

TOPIC TAGS: food, refrigeration, food preservation, fishing ship, sea water

ABSTRACT: The purpose of these investigations was to elicit the technological advantages of storing fish in refrigerated sea water in comparison with storage in ice and the effect of additions to the water of high-polymer compounds on the physicochemical indexes and quality of the fish. During the cruise of an experimental fishing boat two experiments were set up:

Card 1/2

UDC: 637.56.004.4:551.463/.464

ACC NR: AP6020034

the first was on the storage of herring in refrigerated sea water and in ice [illegible] the storage of herring in refrigerated sea water with the addition of carboxymethyl cellulose (CMC), which counters swelling and extraction of nitrogenous substances, in a quantity of 0.6% wt. Large herring measuring 23–25 cm were used in the first experiment and average-sized (18–20 cm) for the second experiment. Two hours after the start of cooling the sea water the temperature of the herring dropped to -1C and was later held during the entire experiment at the level from -1.2 to -1.5C, the temperature of the water during the entire experiment being maintained at 0.1–0.2C above the cryoscopic point of the herring. The investigation revealed that the main defect of herring when stored in refrigerated sea water was oxidation of the fat. As a result of this the large herring of the fall catch can be stored in a good condition for no more than 3 days. If the herring are stored for a longer time it is necessary to introduce additatives inhibiting the oxidative rancidity of the fat. To prevent e formation of cracks the herring should be stored at a temperature close to the cryoscopic point but not below it since freezing impairs the structure of the muscle tissue. The addition to sea water of CMC in a small concentration (1.6%) does not promote a decrease of swelling. Further investigations of the use of larger concentrations of CMC are needed. It is also pointed out that when herring is stored in sea water for 3 days it is not necessary to change the water, which appreciably simplifies storage. Orig. art. has: 1 table and 3 figures.

SUB CODE: 06/ SUBM DATE: 00/ ORIG REF: 003 / OTH REF: 004

Card 2/2

PISKAREV, A.I., kand.tekhn.nauk

Effect of refreezing on the quality of the product.
Khol.tekh. 39 no.6:56-57 N-D '62. (MIRA 15:12)
(Food, Frozen)

PISKAREV, A.I.; KHOLOPOVA, A.A.; SHELAPUTIN, V.I.; NOSKOVA, G.L.; ALEKSEYEV, P.A.; DRACHEVA, T.A.; OLENEV, Yu.A.; PAVLOVA, I.A.; SELIVANOV, V.A.; VINOGRADOV, S.V.; MIROLYUBOV, P.A.; ROVENSKIY, A.I.; SKOROKHODOV, A.A.; RYUTOV, D.G., kand. tekhn. nauk, red.; CHICHKOV, N.V., red.; MEDRISH, D.M., tekhn. red.

[Manual on the operation of cold storage warehouses] Spravochnik po ekspluatatsii kholodil'nykh skladov. Moskva, Gostorgizdat, 1963. 175 p. (MIRA 16:7)

1. Sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta kholodil'noy promyshlennosti (for Piskarev, Kholopova, Shelaputin, Noskova, Alekseyev, Dracheva, Olenev, Pavlova). 2. Rosmyasorybtorg Ministerstva torgovli RSFSR (for Selivanov, Vinogradov, Mirolyubov, Rovenskiy). 3. Gosudarstvennyy planovoy komitet Soveta Ministrov SSSR (for Skorokhodov). (Cold storage warehouses)

PISKAREV, V. I.

(Scientific Research Institute of the Refrigerating Industry of the USSR, Moscow): "The influence of Preliminary Storage on the Histological Structure and Hydrophilic Properties of Fish at Freezing" [English - 9 pages]

report presented at the International Inst. of Refrigeration (IIR), Annual Meetings of Commissions 3,4, and 5, Moscow, 3-6 Sep 1957.

ZAYTSEV, Vikentiy Petrovich; MIKHAYLOV, G.V., retsenzent; PAKHOMOV, A.I. retsenzent; PISKAREV, A.I., spetsredaktor; MOROZOVA, I.I., redaktor; CHERBYSHEVA, Ye.A., tekhnicheskiy redaktor

[Refrigeration of fishery products] Kholodil'noe konservirovanie rybnykh prbduktov. Moskva, Pishchepromizdat, 1956. 339 p. (MLRA 10:4)
(Fishery products--Preservation)
(Refrigeration and refrigerating machinery)

PISKAREV, A.I., kand.tekhn.nauk; BORNOVALOVA, A.P., inzh.; LUK'YANITSA, L.G., inzh.

Cold storage of codfish and bass. Khol. tekh. 38 no.3:39-43 My-Je '61. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti im. A.I. Mikoyana.
(Codfish)
(Bass)

PISKAREV, Aleksey Ivanovich; KAMINARSKAYA, Aleksandra Ksenofontovna; LUK'YANITSA, Lyudmila Grigor'yevna; KAPLUN, M.S., red.; DVORKIN, L.M., tekhn. red.

[Qualitative changes in frozen fish] Kachestvennye izmeneniia ryby pri zamorazhivanii; nauchnoe soobshchenie. Moskva, Gos. izd-vo torg. lit-ry, 1960. 39 p. (MIRA 14:9)
(Fish, Frozen)

13Cr

PISKAREV, A N

Fertilizing the oak in nest sowings of tree belts. A. N. Piskarev. Lesn. Khoz. 1951, No. 5, 24–32; Soils & Fert. 1951, 14, 435. Mineral fertilizers, particularly P, are necessary for growth of oak in the early stages both with and without a cover crop. Industrial granular superphosphate is suitable. On the chernozems of the Ukraine, K fertilizers applied at sowing are very effective.

C. B. North

L 11198-63 EDS
ACCESSION NR: AP3001625 S/0105/63/000/005/0023/0029

AUTHOR: Glazenko, T. A.; Piskarev, A. M.; Prokof'yev, Yu. I. 50 49

TITLE: A noareversible speed-regulating system with a pulse-type semiconductor amplifier for d-c motors 10

SOURCE: Elektrichestvo, no. 5, 1963, 23-29

TOPIC TAGS: automatic motor speed control, transistorized adjustable-speed drive, adjustable-speed d-c motor, grinding-machine drive

ABSTRACT: A transistorized speed-adjusting system is described as applied to a grinding-machine drive motor (110v dc, 0.76 kw, 8.2 amp, 2,600 rpm). Its speed range is 1 : 20 and speed regulation 10 per cent at the lower speed limit. The 60-volt collector voltage limitation is overcome by an original rectifying bridge circuit fed from a number of secondaries of the supply transformer. The power transistors are controlled by a duration modulator with a variable pulse-repetition rate. A comparison scheme, the modulator, and the pulse-controlled rectifier constitute the speed-adjusting system; it is supplied at 220/380 v, 50 cps. Fundamental equations describing the system are presented, as well as the results of tests, that include oscillograms of operating conditions, acceleration, and throwing on the load.

Card 1/2

Leningrad Inst. of Precision Mechanics and Optics

GLAZENKO, T.A.; PISKAREV, A.N.; PROKOF'YEV, Yu.I.

Nonreversive syster for regulating the angular velocity of a d.c. motor with a transistorized pulse-type amplifier. Elektrichestvo no.5:27-29 My '63. (MIRA 16:7)

1. Leningradskiy institut tochnoy mekhaniki i optiki.
(Electric motors, Direct current)

USSR/Cultivated Plants. Cereals. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77629.

Author : Piskarev, A.N.
Inst :
Title : Use of Corn Superphosphate Applied in a Nest.

Orig Pub: Pochvovedeniye, 1957, No 8, 54-59.

Abstract: In the Soil Institute of the Moldavian Branch AS USSR, in an experiment with nest application of P_c, tagged P^{32} under corn, it was found that from 1 g of P_2O_5 applied in a hole, in 56 days the plants used only 22.4 mg of P_2O_5. If P_c was poured into a mixture with 100 % of humus, then the assimilation of P_2O_5 reached 44.5 mg. In the case of seasoning the humus

Card : 1/2

USSR / Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., 1958, No 15, 67241.

Author : Piskarev, A. N.
Inst : Moldavian Affiliate AS USSR.
Title : Characteristics of Fertilizing Corn in Connection with Different Depths of Soil Cultivation. (Preliminary Report).

Orig Pub: Izv. Mold. fil. AN SSSR, 1957, No 9 (46), 13-18.

Abstract: The effect was studied of organic and mineral fertilizers on a base of different methods of basic soil cultivation (experiments of the Soil Institute, 1954-1956) on the corn yield, the content of protein in the grain, development of leaf surface, level of photosynthesis and content of chlorophyll, as well as on the content of active forms of phos-

Card 1/2

PISKAREV, A.N.

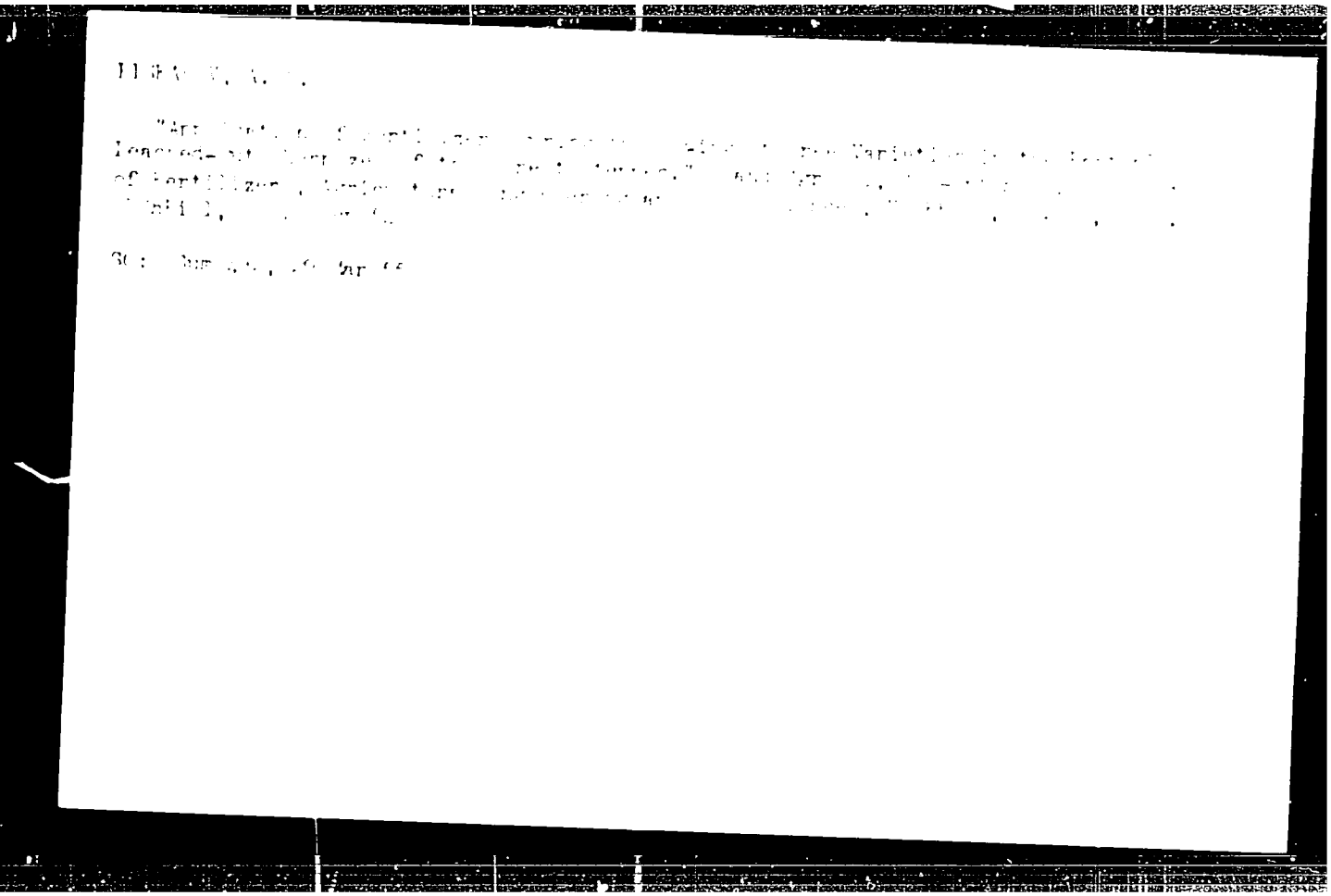
Utilization of hill-dropped superphosphate by corn [with summary in English]. Pochvovedenie no.8:54-59 Ag '57. (MIRA 10:11)

1. Pochvennyy institut Moldavskogo filiala Akademii nauk SSSR.
(Corn (Maize)) (Phosphates)

SHUSTOV, V.A.; KOVCHIN, S.A.; PISKAREV, A.N.

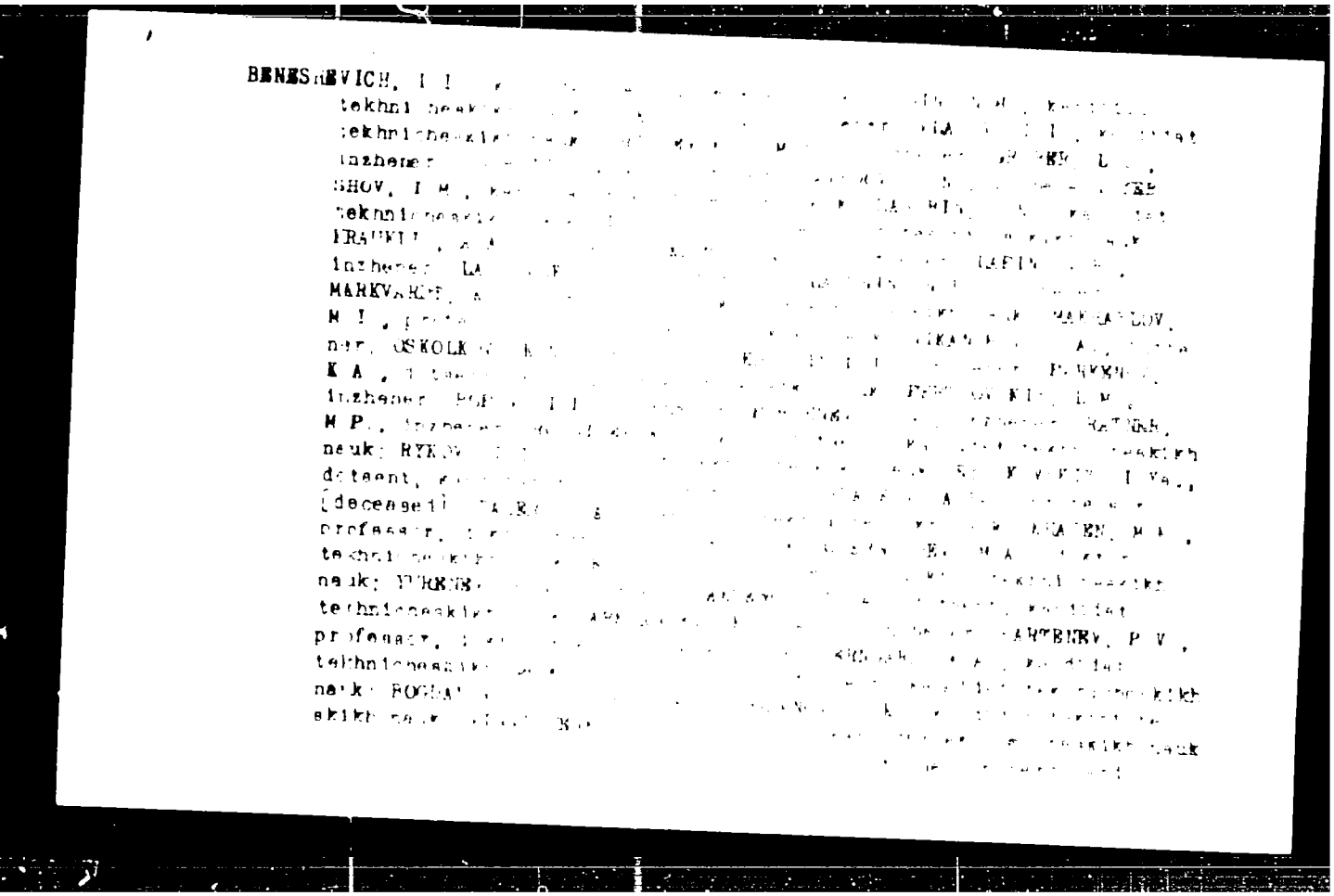
"Reference book on the use of electric power in agriculture" by N.A. Sazonov and others. Reviewed by V.A. Shustov, S.A. Kovchin, A.N. Piskarev. Mekh. i elek. sots. sel'khoz. 16 no.6:61-62 '58. (MIRA 12:1)

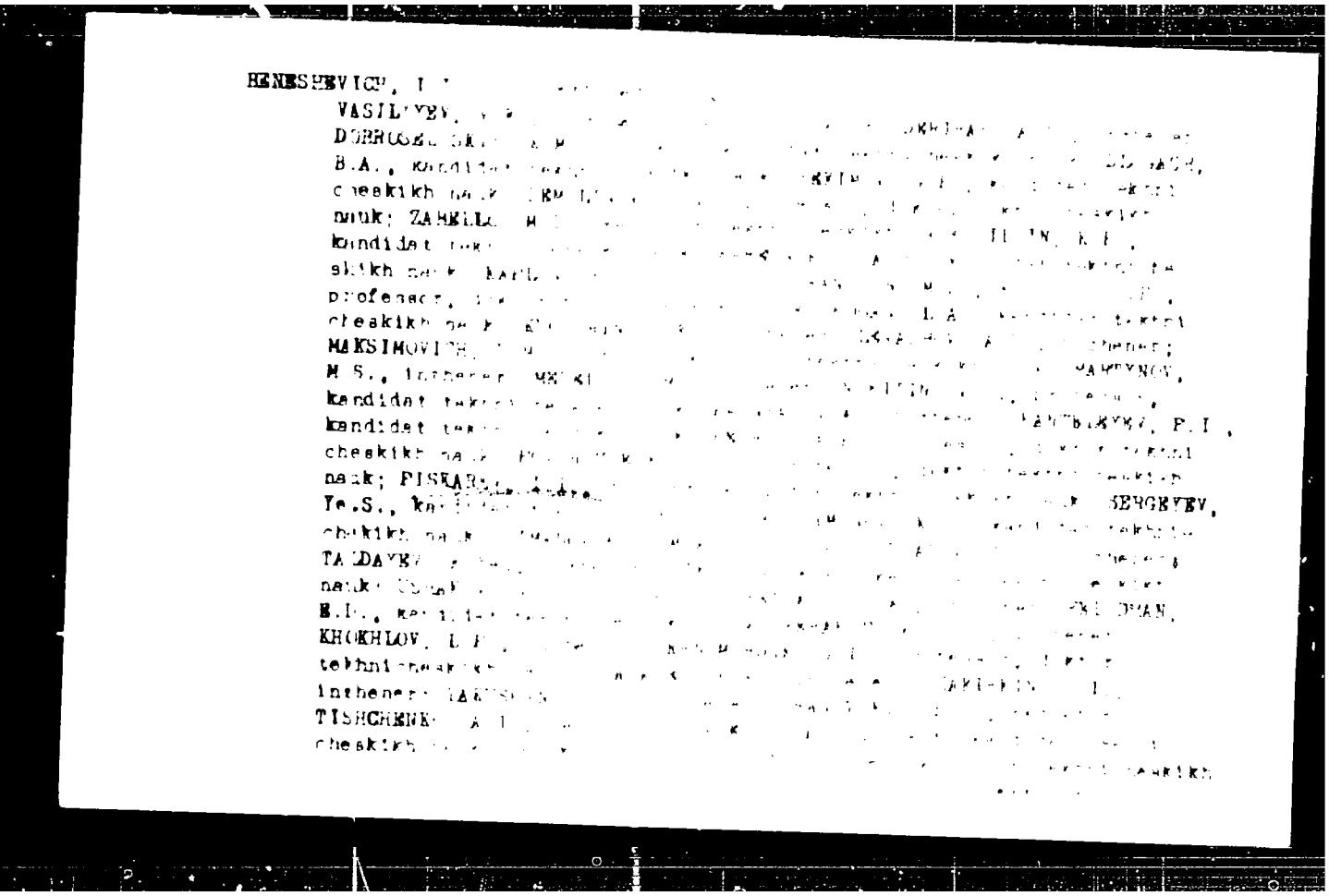
1.Kafedra "Primeneniye elektricheskoy energii v sel'skom khozyaystve" Leningradskogo sel'skokhozyaystvennogo instituta.
(Electricity in agriculture--Handbooks, manuals, etc.)
(Sazonov, N.A.)

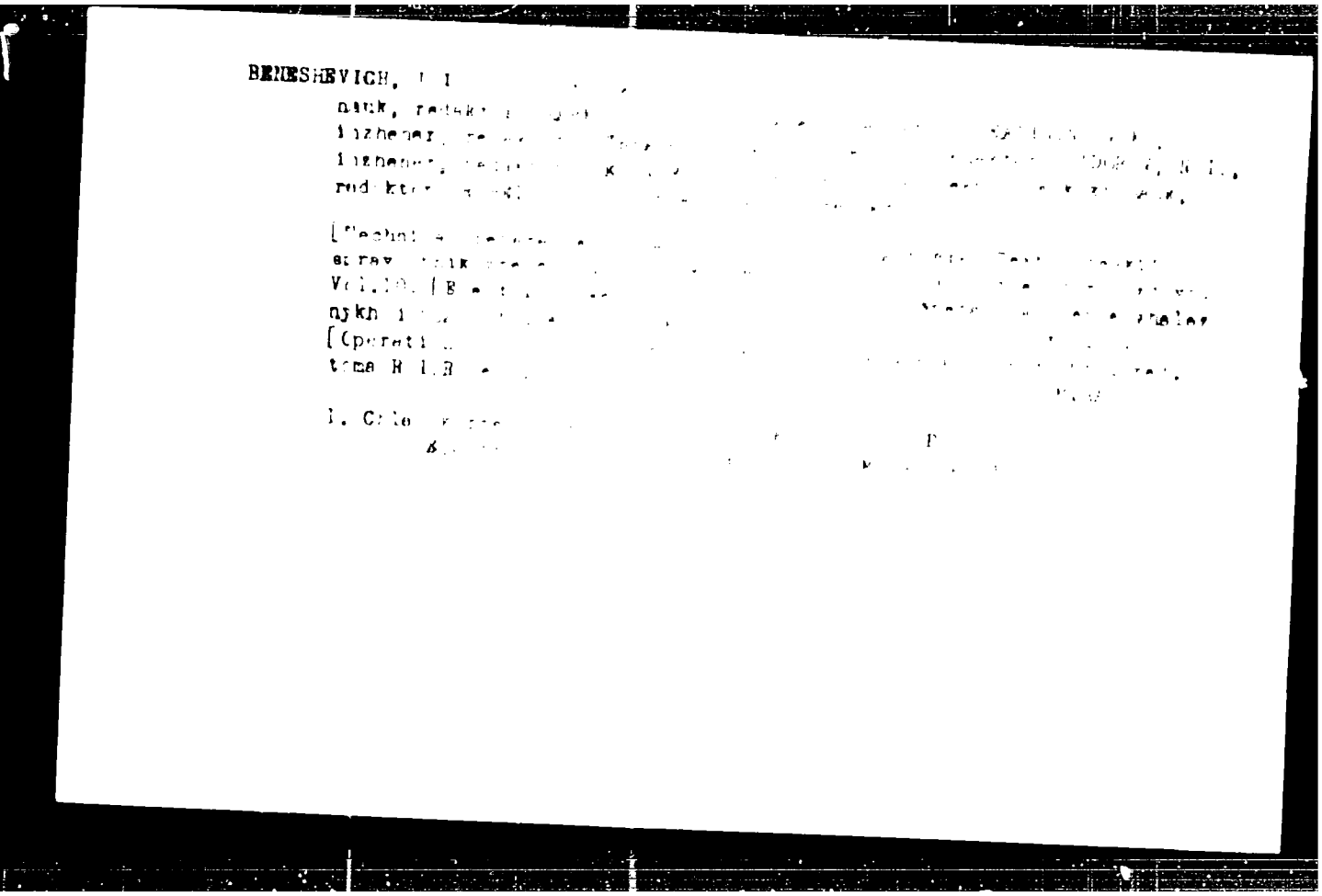


PISKAREV, I.I., kand.tekhn.nauk; KORMILITSYN, A.Ya., kand.tekhn.nauk.

Some results of experience sorting cars by rapid methods. Mekh.dor. transp. 39 n.9:46-48 S '52. (MIRA 10:10)
(Railroads--Hump yards)







BRUSHEVICH,

PISKAREV, I.V.

Produce more technical fabrics from synthetic fibers. Tekst. prom. [illegible] no.[illegible] [illegible]

[illegible]

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013411

BELOV, [illegible], kand. khim. nauk, dotsent, [illegible], starshiy nauchnyy sotrudnik, [illegible], [illegible] M.Ya.

Reviews and bibliography. Tekst. prom. [illegible]

1. Kafedra organicheskoy khimii Moskovskogo [illegible] khozyaystva imeni [illegible] (for Belov). [illegible] nauchno-issledovatel'skiy institut [illegible] promyshlennosti, Moskva [illegible] Gosudarstvennogo komiteta po legkoy promyshlennosti [illegible] SSSR (for Piskarev, Zaytman).

PISKAREV, I.V.

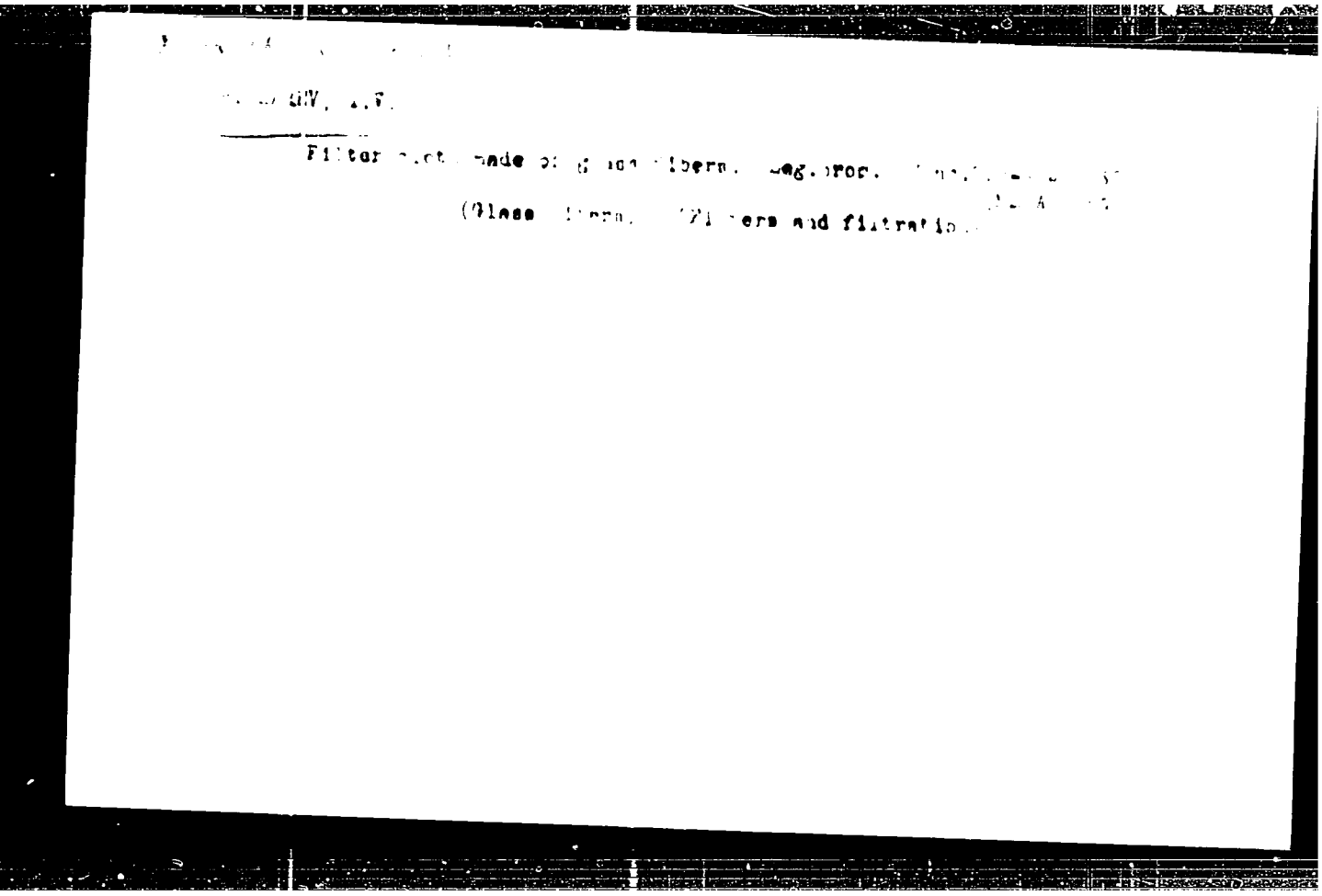
[illegible]alculation and design of filter fabrics for water permea[illegible]. Tekst. prom. [illegible] no.[illegible]:8-3. [illegible]

[illegible]. Starshiy inzh. Gosudarstvennogo komiteta po [illegible] promyshlennosti pri [illegible] SSSR.

PETUKHOV, S.M.; PISKAREV, I.V.

Small-size installation for demonstrating the spinning of polymers. Khim. v shkole 18 no.1:75-78 Ja-F '63. (MIRA 16:4)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.
(Polymers) (Chemistry--Experiments)



KOZ[illegible]EVA, Zoya [illegible]; NAGLASEVA, Inna Pavlovna; PISKAREV, Ivan Vasil'yevich; CHAPLYKHIN, Ivan Gavrilovich; TAMINSKAYA, Yelizaveta Yakovlevna; KUKIN, G.N., doktor tekhn. nauk, prof., retsenzent; AGADZHANOVA, I.A., red.

[Industria. Patents and their use] Tekhnicheskie tkani i ikh primenenie. Moskva, Legkaia industriia, 1965. 251 p. (MIRA 18:9)

FISKAREV, Ivan Vasil'yevich; [illegible], N.G., red.; VOLKOV, V.V., tekhn. red.

[Filtration fibers; manufacture and uses] Fil'troval'nye tkani; izgotovlenie i primenenie. Moskva, Izd-vo AN SSSR, 1963. 188 p. (MIRA 16:12)
(Filters and filtration)

PISKAREV, Ivan Vasil'yevich; PANASYUK, V.I., retsenzent; GOLUBEV, N.M., red.; GOLUBKOV, V.A., tekhred.

[Filtering clothes from glass fiber] Fil'troval'nye tkani iz stekliannogo volokna. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 59 p. (MIRA 14:4)
(Glass fibers) (Filters and filtration)

25'5

AUTHORS Piskarev, I.V. and L'vov, B.S., Members of the Scientific Research Institute of Glass Fibers

TITLE Utilization of Glass Fiber as Filtering Material (Primeneniye steklyannykh tkaney v kachestve fil'troval'nogo materiala)

PERIODICAL Neftyanik, 1958, Nr 9 pp 24 25 (USSR)

ABSTRACT The possibilities of using glass fiber in the oil industry as filtering material are now being studied by the Scientific Research Institute of Glass Fibers. In this connection the authors state that there are two types of glass fiber differentiated mostly by the length of fiber. The method of continuous pulling of melted glass at a speed of 2 km per minute is recognized in the Soviet glass manufacturing as the best one. Certain additives are admixed to the glass of usual composition in order to make the fiber more resistant mechanically and chemically. The most durable fiber is obtained from quartz glass. In a table

Card 1/2

Utilization of Glass Fiber (Cont.) SOV/92-58-9-24/36

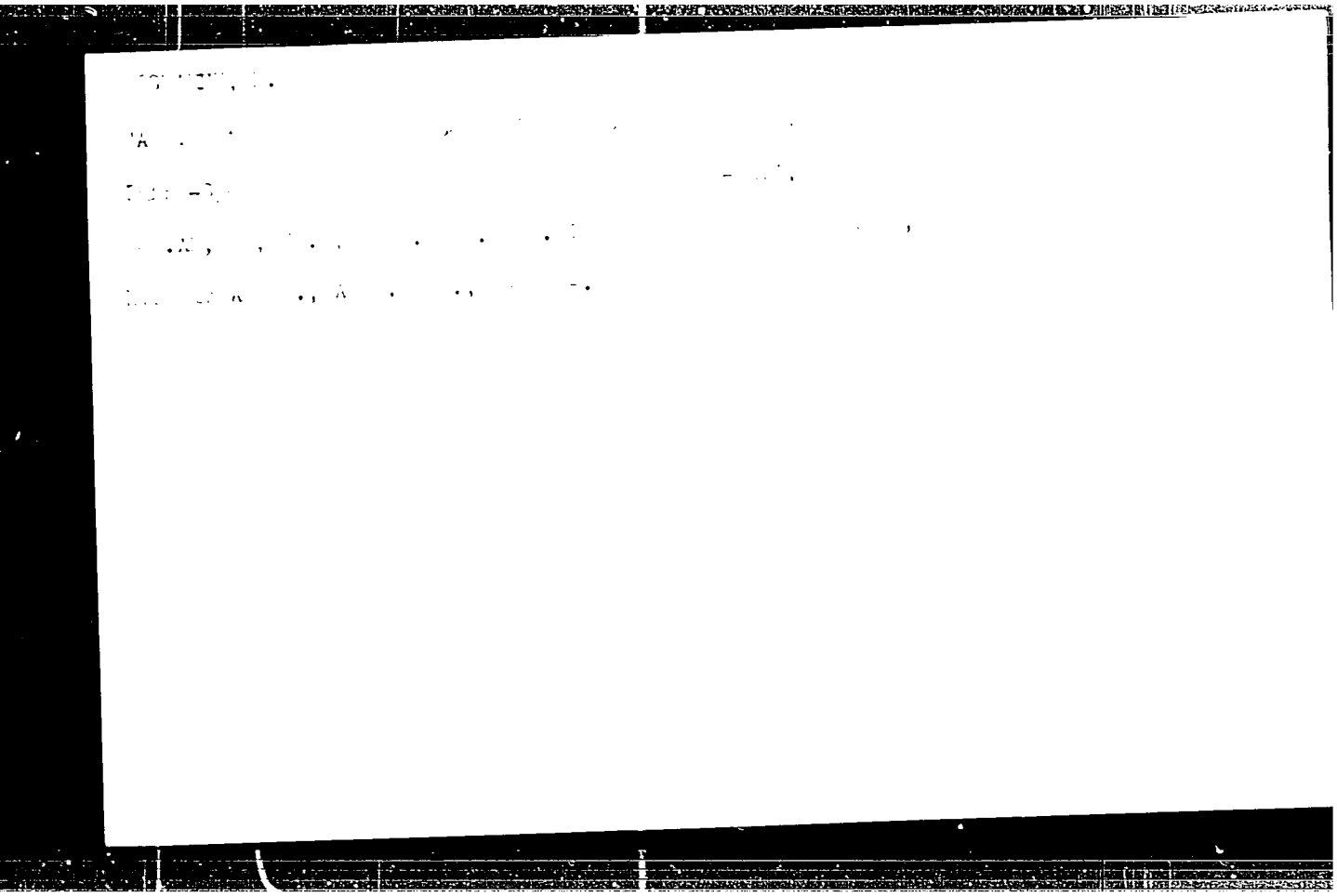
the authors list various filter materials and indicate their tensile strength. The hygroscopicity of glass fiber and of some other fibrous material is low. The high temperature resistance (260° - 500° C) of glass fiber makes its use advantageous. Fiber of quartz glass or melted kaolin is able to withstand 1,500° - 1,800° C. A number of refineries now recognize the high quality of fiber glass as filtering material. The use of glass fiber for filters in contact treatment of oil proved to be expedient and economically much more profitable than the use of belting cotton fiber. The throughput of glass fiber is much higher than that of cotton fiber. The filtration speed increases when glass fiber is used in a filter. It follows therefore that a wide use of glass fiber filters in the oil industry is highly advisable.

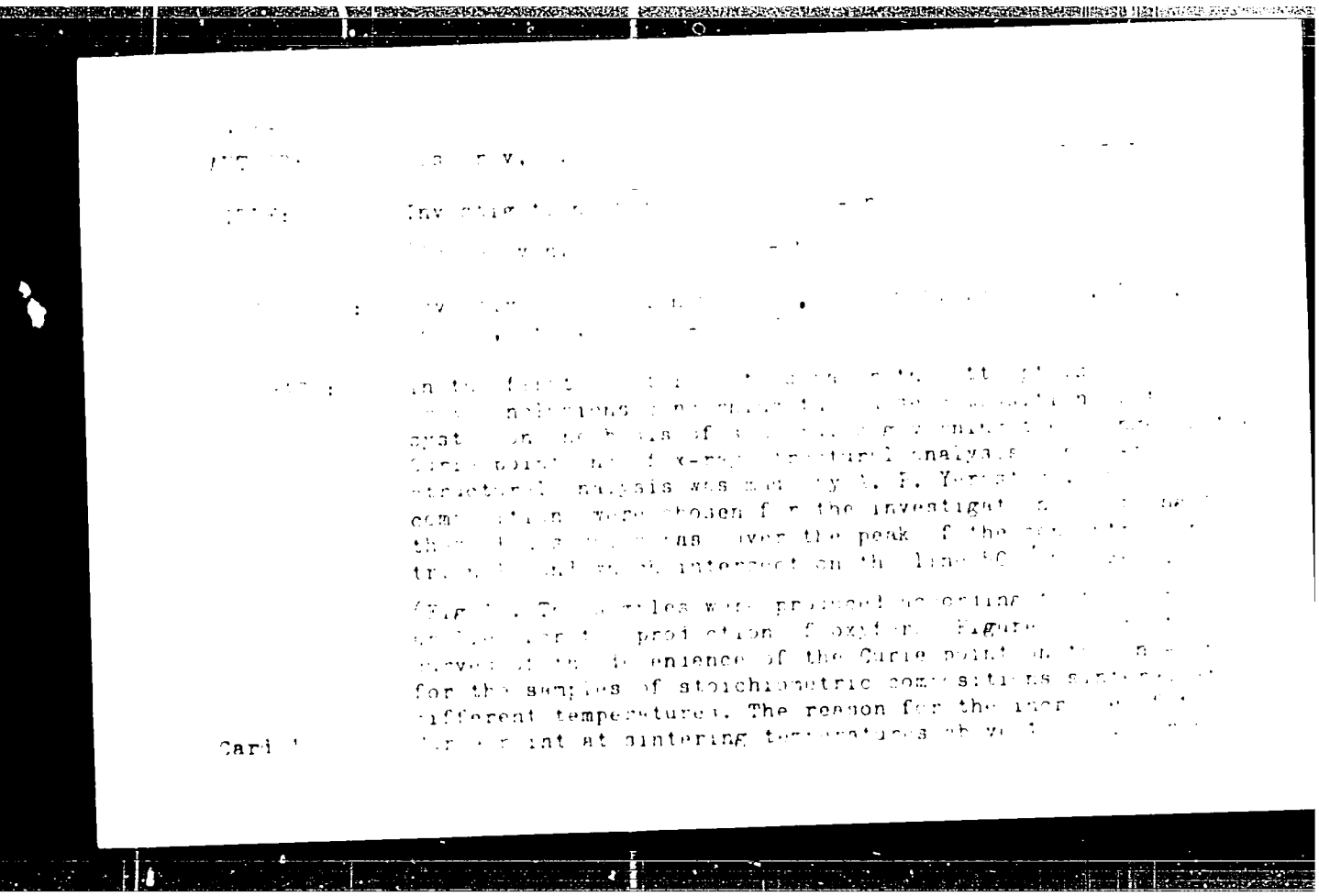
ASSOCIATION: Nauchno-issledovatel'skiy institut steklyanogo volokna (Scientific Research Institute of Glass Fibers)

Card 2/2

PISKAREV, K.

"Comparison of magnetic properties of ferrite and some standard magnetic materials." By N. Sholts and Piskarev. Izv. Akad Nauk U.S.S.R., Physical Series, Vol. 16, pp. 739-747, 1952





Investigation of [illegible]

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Card [illegible]

Investigation of [illegible]

[illegible] xcess. [illegible] ferrites on [illegible]

[illegible] shown in [illegible] sections of the triangular diagram. [illegible]

[illegible] xcess causes the decomposition of the solid [illegible] initial Ni-Zn-ferrite and α-Fe_2O_3. In the [illegible] the phases of the Ni-Zn-Fe_2O_3-system which [illegible] equilibrium are connected by continuous lines [illegible] which the composition and the number of the [illegible] easily be obtained. In the second chapter of the [illegible] dependence of the initial permeability μ_α and [illegible] magnetization σ of the ferromagnetics of the system [illegible] Fe_2O_3 are contained. They confirm the regularities [illegible] change of the composition of the ferromagnetic phase [illegible]

Card [illegible]

which [illegible] the basis of the [illegible] changes [illegible] the [illegible] ant in the x-ray str[illegible]
The initial μ_α after the sintering of the [illegible]

represented in Figure [illegible]. The lines of the spe[illegible] magnetization σ [illegible] same value are entered [illegible] triangular [illegible]. The [illegible]-ferri[illegible] [illegible]

[illegible] σ [illegible] which [illegible] values of σ wh[illegible] [illegible] triangular diagram are ent[illegible] Figure [illegible] with continuous lines. [illegible] magnetization [illegible] experiment [illegible] sintering [illegible] dotted line. [illegible]
μ_α [illegible] σ [illegible]
[illegible] laws [illegible]

[illegible]

PISKAREV, K.

PHASE I BOOK EXPLOITATION SOV/5058

Bogoroditskiy, N. P., and V. V. Pasynkov, eds.

Spravochnik po elektrotekhnicheskim materialam. V dvukh tomakh. t. 2: Magnitnyye, provodnikovyye, poluprovodnikovyye i drugiye materialy (Handbook on Electrical Engineering Materials. In two volumes. Vol. 2: Magnetic, Conducting, Semiconducting, and Other Materials) Moscow, Gosenergoizdat, 1960. 511 p. Errata slip inserted. 30,000 copies printed.

Eds. of Handbook: K. A. Andrianov, N. P. Bogoroditskiy, Yu. V. Koritskiy, V. V. Pasynkov, and B. M. Tareyev; Eds. (This vol.): N. P. Bogoroditskiy and V. V. Pasynkov; Tech. Ed.: Ye. M. Soboleva.

PURPOSE: This handbook is intended for technical personnel of electrical and radio engineering establishments, power stations and substations, electric repair shops, laboratories, and scientific research institutes.

COVERAGE: This volume of the handbook contains basic information on magnetic materials, metallic conductors, electrical carbon, and important electrolytes used in modern engineering. It describes characteristics of semiconductor, ferroelectric, and piezoelectric materials. It does not include insulating materials, which were covered in Volume I. The authors thank the scientists associated with the Department of Dielectrics and Semiconductors of the Leningradskiy elektrotekhnicheskiy institute imeni V. I. Ul'yanova (Lenina) (Leningrad Electrotechnical Institute imeni V. I. Ul'yanov (Lenin)), especially Ya. I. Panov, Candidate of Technical Sciences, R. K. Manakov and N. P. Voylochnikov, assistants, and D. I. Panteleyev and O. N. Kornev for their assistance. References accompany each part.

5. Iron-silicon-aluminum alloys (al'sifery) 55

Ch. V. Iron-Nickel-Aluminum Alloys With High Permeability (K. A. Piskarev)
1. Classification, grading, properties, and application 55
2. Electromagnetic properties of industrial iron-nickel alloys operating in variable fields 58
3. General information on the effect of composition and technological processing on magnetic properties of the alloys 61

Ch. VI. Nonretentive Magnetic Metals and Alloys with Special Magnetic Properties (L. P. Strelets)
1. Alloys with high saturation induction 63
2. Alloys with improved stability of permeability in weak fields 66
3. Thermomagnetic alloys 69
4. Metals and alloys with high magnetostriction 71

Ch. VII. Pressed Ferromagnetic-Powder Cores (N. N Shol'ts)
1. General information and special characteristics of ferromagnetic powders 74
2. Classification and structure of industrial ferromagnetic-powder products 75
3. Ferromagnetic powders based on "Al'sifer" 77
4. Ferromagnetic powders based on carbonyl-iron 81
5. Electromagnetic properties of industrial ferromagnetic powders 82

Ch. VIII. Oxide Low-Coercive Magnetic Materials (Ferrites) (K. A. Piskarev and N. N. Shol'ts)
1. General information. Raw materials used and manufacturing process 8[illegible]
2. Structures of the parts made from oxide magnetic materials 8[illegible]
3. Electromagnetic properties and field of application of oxide magnetic materials 87

PISKAREV, K. A.

PHASE I BOOK EXPLOITATION SOV/4893

Vsesoyuznoye soveshchaniye po fizike, fiziko-khimicheskim svoystvam ferritov i fizicheskim osnovam ikh primeneniya. 3d, Minsk, 1959

Ferrity; fizicheskiye i fiziko-khimicheskiye svoystva. Doklady (Ferrites; Physical and Physicochemical Properties. Reports) Minsk, Izd-vo AN BSSR, 1960. 655 p. Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Nauchnyy sovet po magnetizmu AN SSSR. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

Editorial Board: Resp. Ed.: N. N. Sirota, Academician of the Academy of Sciences BSSR; K. P. Belov, Professor; Ye. I. Kondorskiy, Professor; K. M. Polivanov, Professor; R. V. Telesnin, Professor; G. A. Smolenskiy, Professor; M. N. Shol'ts, Candidate of Physical and Mathematical Sciences; E. M. Smolyarenko; and L. A. Bashkirov; Ed. of Publishing House: S. Kholyavskiy; Tech. Ed.: I. Volokhanovich.

PURPOSE: This book is intended for physicists, physical chemists, radio electronics engineers, and technical personnel engaged in the production and use of ferromagnetic materials. It may also be used by students in advanced courses in radio electronics, physics, and physical chemistry.

COVERAGE: The book contains reports presented at the Third All-Union Conference on Ferrites held in Minsk, Belorussian SSR. The reports deal with magnetic transformations, electrical and galvanomagnetic properties of ferrites, studies of the growth of ferrite single crystals, problems in the chemical and physicochemical analysis of ferrites, studies of ferrites having rectangular hysteresis loops and multicomponent ferrite systems exhibiting spontaneous rectangularity, problems in magnetic attraction, highly coercive ferrites, magnetic spectroscopy, ferromagnetic resonance, magneto optics, physical principles of using ferrite components in electrical circuits, anisotropy of electrical and magnetic properties, etc. The Committee on Magnetism, AS USSR (S. V. Vonsovskiy, Chairman) organized the conference. References accompany individual articles.

Ferrites (Cont.) SOV/4893

Latsh, V. V., Yu. M. Seknovich, and B. Kh. Sponin. Decomposition of Manganese-Zinc Ferrite During Heat Treatment in an Oxidizing Atmosphere 170

Piskarev, K. A. Effect of Cooling Rate on the Magnetic Properties and Phase Composition of the System NiO-ZnO-Fe_2O_3 174

Bashkirov, L. A., A. P. Paukin, and N. N. Sirota. Investigation of the Magnetic Properties of the Ternary System $NiFe_2O_4$-$MgFe_2O_4$-$ZnFe_2O_4$ 181

Konturovich, L. I. Some Properties and Microstructure of Magnesium-Chromium Ferrites 196

Mirzaiev, M. Z. Investigation of the Constant of the Magnetic Anisotropy of Polycrystalline Nickel and Magnesium Ferrites by a Method of Approaching Magnetic Saturation 190

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9. **Monthly List of Russian Accessions**, Library of Congress, June 1953. Unclassified.

PISKAREV, K. A.

USSR/Physics - Ferromagnetics Nov/Dec 52

"Comparative Electromagnetic Characteristics of Ferromagnetic Oxides and of Some Typical Magnetic Materials," N. M. Sholin, K. A. Piskarev

Iz Al Nauk SSSR, Ser Fiz, Vol 16, No 6, pp 739-747

Authors studied experimentally various oxifers of Ni-Zn, Mn-Zn, and Mg-Zn alloys. The oxifers characteristics are shown in graphs and tables. High permeability coupled with high specific electric resistance has been achieved in oxifers.

251T23

PISKAREV, K.A.

Investigation of the NiO - ZnO - Fe_2O_3 system. Izv. AN SSSR. Ser. fiz. 23 no.3:289-303 Mr '59. (MIRA 12:5)
(Systems (Chemistry))

SHOL'TS, M.M.; PISHAREV, K.A.

Comparative electromagnetic characteristics of oxide ferromagnetics and some other typical magnetic materials. Izvest. Akad. Nauk S.S.S.R., Ser. Fiz. 16, 739-47 '52. (MLRA 6:3)
(CA 47 no.20:10296 '53)

PISK... TRUDAKOV, F.A.; PISKAREV, K.V.

Materials on the systematics and biology of the Chu River rudd.
Veterinariia 34 no.5:79-81 My '57. (MLRA 10:6)
(Chu River--Rudd)

TURDAKOV F.A.; PI[illegible]KAREV, K.V.

Materials on the systematics and biology of the Chu River roach.
Veterinariia 34 no.5:93-98 My '57. (MLRA 10:6)
(Chu River--Roach (Fish))

TURDAKOV, F.A.; PISKAREV, K.V.

Materials on the systematics and biology of Capoetobrama kuschakewitschi orientalis G. Nikolsky and Alburnoides taeniatus drjagini Trudakov et Piskarjov from the Chu River. Veterinariia 34 no.5:65-71 My '57.
(Chu River--Carp) (MLRA 10:6)

TURDAKOV, F.A.; PISKAREV, K.V.

The Chu River gudgeon. Veterinariia 34 no.5:83-91 My '57.
(Chu River--Gudgeon (Fish)) (MLRA 10:6)

TRUDAKOV, F.A.; PISKAREV, K.V.

Systematic position of the Chu River pike. Trudy Inst. zool. i parazit. KirFAN SSSR. no.1:131-136 '54. (MLRA 10:6)
(Chu River--Pike)

TUEDAKOV, F.A.; PISKAREV, K.V.

Systematic position of Phoxinus dementjevi sp.n. and Phoxinus issykkulensis relictus ssp.n. from the Chu River. Trudy Inst. zool. i paras. KirFAN SSSR no.2:73-77 '54. (MLRA 10:6)
(Chu River--Carp)

PISAREV, N. N., [illegible], A. N. and [illegible], V. G.

"Nitriling as a Method of Protecting Steel from Corrosion," ITEI, Moscow, [illegible].

SHOL'TS, N. N.; PYSKHREV, K. A.

Oxides

Comparative electromagnetic characteristics of oxide ferromagnetic and some typical magnetic materials. Izv. AN SSSR Ser. fiz. 16, No. 6, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

PISKAREV, Konstantin Nikolayevich; POPOV, A.S., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor

[Day of rest; experience in organizing the Sunday rest of workers] Den' otdykha; iz opyta organizatsii voskresnogo otdykha trudiashchikhsia. [Moskva] Izd-vo VTsSPS Profizdat, 1956. 45 p. (MLRA 9:10)

1. Predsedatel' zavkoma leningradskogo zavoda "Krasnyy vyborzhets" (for Piskarev)
(Labor and laboring classes--Recreation)

ISKAREV, P.A., brigadir.

Collective farm construction workers in the Moscow area. Sel'. stroi. 10 no.3:3-4 Mr '55. (MLRA 8:6)

1. Stroitel'naya brigada kolkhoza "Borets" Bonnitskogo rayona Moskovskoy oblasti.
(Moscow Province--Farm buildings)

Ca

9

Production of copper steel at the Frunze plant [illegible] Mashkov. Stal 4, No. 11-12, 26-30 (1944). Pyrite cinders from a nearby H_2SO_4 plant contg. 50-55% Fe and [illegible] 1.0% Cu are smelted in a blast furnace and the pig iron refined in an open hearth. The steel contains 0.4-1.8% Cu, has good mechanical and anticorrosive properties, and is not "hot short." Microanalysis shows that all Cu is in solid soln. H. W. Rathmann

METALLURGICAL LITERATURE CLASSIFICATION

LOMAKIN, I.M., inzh.; PISKAREV, S.S., inzh.; RYBNIKOV, V.A., kand.tekhn. nauk

Efficient method of designing regenerator checkerwork on open-hearth furnaces. Stal' 20 no.8:710-711 Ag '60. (MIRA 13:7)

1. Beloretskiy kombinat i Vsesoyuznyy nauchno-issledovatel'skiy institut ogneuporov.
(Open-hearth furnaces--Design and construction)

KUBAYEV, A.M.; [illegible]

[illegible] in the emission [illegible] generation. Zhur. eksp. [illegible] no. [illegible]

M[illegible] 8

1. Radiofizicheskiy Institut Gor'kovskogo gosudarstvennogo universiteta.

L 53819-65 EWA(k)/FBD/EWG(r)/EWT(l)/EWP(e)/EWT(m)/EEC(k)-2/EWP(i)/EEC(t)/T/EEC(b)-2/EWP(k)/EWA(m)-2/EWA(h) Pn-4/Pu-4/Po-4/Pf-4/Peb/Pi-4/Pl-4 SCTB/
ACCESSION NR: AP5013880 IJP(c) WG/WH UR/0056/65/048/005/1233/1236

AUTHOR: Kubarev, A. M.; Piskarev, V. I.

TITLE: Changes in the emission spectrum of the ruby laser during generation

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 5, 1965, 1233-1236

TOPIC TAGS: ruby laser, laser action, frequency variation, laser cavity, laser

ABSTRACT: The authors determine experimentally the coefficients relating the change in frequency of stimulated emission from a laser ruby with the change in temperature. The investigation was undertaken because the value obtained for this coefficient γ by V. K. Konyukhov et al. (ZhETF v. 45, 857, 1963), namely 17 deg/cm^{-1}, does not agree with the result calculated by means of the formulas of D. E. McCumber and M. D. Sturge (J. Appl. Phys. v. 34, 1682, 1963), whereas these formulas have been verified by measurement of the dependence of the frequency of fluorescence of ruby on the temperature. The test procedure was similar to that described by the authors earlier (ZhETF v. 46, 508, 1964). The results obtained agreed satisfactorily with the calculations with the aid of the formulas of McCumber and Sturge, and

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show further that the change in the radiation frequency during lasing is not due to the crystal temperature rise alone. Whereas the increase in temperature should lead only to a decrease in the radiation frequency, an increase in this frequency during the lasing action (a violet shift) was observed in the experiments, too. In particular, the character of variation of the spectrum during the process of lasing depends on the Q of the cavity in which the ruby is placed (on the transparency of the mirrors). A theoretical explanation of the dependence of the lasing frequency on the Q has been published by G. I. Freydman (Izv. vyssh. uch. zav. Radiofizika v. 8, 272, 1965). "The authors are deeply grateful to V. I. Bespalov and A. V. Gaponov for interest in the work and for a discussion of the results." Orig. art. has: 3 figures and 1 formula. [02]

ASSOCIATION: Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta (Radiophysics Institute of Gor'kiy State University)

SUBMITTED: 14Dec64 ENCL: 00 SUB CODE: EC

NO REF SOV: 005 OTHER: 000 ATD PRESS: 4022

PISKAREV, V. A., Cand Tech Sci -- (diss) Effect of the moisture in wood pulp on the technology of pressing and on the physicomechanica. properties of pressed birch wood pulp." Voronezh, 1960. 22 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Voronezh Forestry Engineering Inst); 150 copies; price not given; (KL, 40-60, 138)

KUBAREV, A.M.; PISKAREV, V.I.

Some results of an experimental study of the effect of a magnetic field on the emission spectrum from a ruby laser. Zhur. eksp. i teor. fiz. 46 no.2:508-510 F '64. (MIRA 17:6)

1. Radiofizicheskiy institut Gor'kovskogo gosudarstvennogo universiteta.

FISHLICH, V.D.

Third conference on welding held in the Baltic region. Avtom. svar. 17 no.7:95-96 Jl '64. (MIRA 17:8)

PISKAREV, V.S.

Automatic device for turning on electric lights in chicken houses. Ptitsevodstvo 8 no.11:29-32 N '58. (MIRA 11:11)

1. Saratovskiy institut mekhanizatsii sel'skogo khozyaystva.
(Poultry houses and equipment)

BELETSKIY, F.A., dots., kand. fiz.-matem.nauk; BIRAL', N.Ye., inzh.; KAZANOV, V.A., inzh.; [illegible], S.M., dots.; KRUCHININ, V.L., inzh.; MARCHENKOV, Ya.P., dots.; PISKAREV, V.S., inzh.; RUTSKIY, A.I., inzh.; SOKOLOV, N.M., dots., kand. tekhn. nauk; SOLLYANOV, L.N., inzh.; SHKARBANOV, Petr Fedorovich, dots., kand. tekhn. nauk; [illegible], V., red.; LUKASHEVICH, V., tekhn.red.

[Handbook for electricians] Spravochnik elektrika. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 458 p. (MIRA 17:1)

YEFIMOV, V.I.; KHUDYAKOV, N.V.; SBITNEV, L.P.; ROMANOVSKIY, V.K.; KHOLIN, I.R.; POPOV, V.I.; OSIPOV, G.P.; PISKAREV, V.S.; AGAFONOV, Ye.F.; DORODNOV, P.G.; STRUKACHEV, V.I.; ZAYTSEV, Yu.A.

A.A.Klimov's book "Electricity in animal husbandry." Reviewed by V.I.Efimov and others. Elektrichestvo no.9:87-88 S '56. (MLRA 9:11)

1. Kafedra primeneniya elektricheskoy energii v sel'skom khozyaystve Stalingradskogo sel'skokhozyaystvennog instituta (for Yefimov, Khudyakov, Sbitnev, Romanovskiy, Kholin). 2. Kafedra primeneniya elektroenergii v sel'skom khozyaystve Saratovskogo instituta nekhanizatsii sel'skogo khozyaystva imeni Kalinina (for Popov, Osipov, Piskarev, Agafonov, Dorodnov, Strukachev, Zaytsev). (Electricity in agriculture) (Stock and stockbreeding)

Piskarev, Ye. V.

USSR/ Physics - Nuclear physics

Card 1/1 Pub. 22 - 19/63

Authors : Meshcheryakov, M.G., member correspondent of the Acad. of Scs. of the USSR; Bogachev, N.P.; Neganov, B.S.; and Piskarev, E.V.

Title : Elastic dispersion of protons by protons of 400 Mev energy

Periodical : Dok. AN SSSR 99/6, 955-958, Dec 21, 1954

Abstract : Experiments, intended to throw light on the nature of the dispersion of protons by protons of high energies, are described. The experiments were conducted with beams of protons of 10^6 protons per cm^2 intensity obtained from the synchrocyclotron at the Institute of Nuclear Problems of the Acad. of Scs. of the USSR. The cross section of the proton dispersion was determined by means of deflected and recoiled protons of the elastic dispersion observed through two "conjugated" counters (telescopes). Diagrams show the results of experiments. Twelve references; 3-USSR (1950-1954). Graphs; diagrams.

Institution: The Institute of Nuclear Physics of the Acad. of Scs. of the USSR

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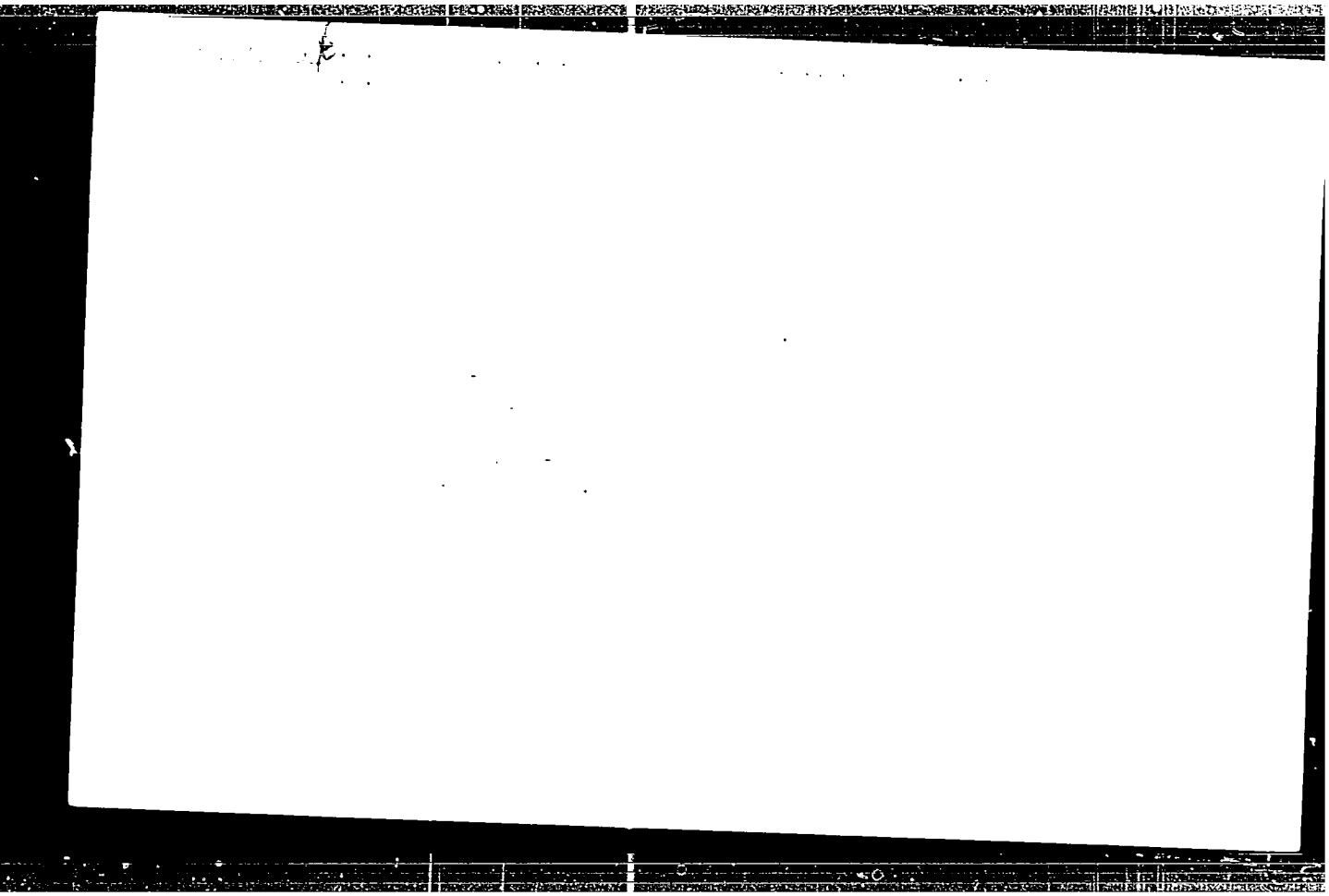


PISKAREV, E.V., MESHCHERYAKOV, M.G., BOGACHEV, N.P., IFKSTN, G.A., NEGANOV, B.S.

"Scattering of Protons with Energies of 460 and 660 MeV by Protons and Deutrons," paper presented at CERN Symposium, 1956, appearing in Nuclear Instruments, No. 1, pp. 21-30, 1957

PISKAREV, Yu.V. [translator]; PANCHENKO, S.D. [translator]

Production of high temperatures and nuclear reactions in gas discharges [from "Nature" 181, 4604, 212, 1958] P.C. Thonemann and others. Vop. fiz. nauk 65 no.2:175-181 Je '58. (MIRA 11:9)

(Nuclear reactors) (Ion beams) (Thonemann, P.C.)

KALININ, V.F., kand. tekhn. nauk, red.; KRABLEV, L.V., red.; PISKAREV, Ye.V., red.; ANDREYENKO, Z.D., red.; MAZEL', Ye.I., tekhn. red.

[Transactions. Selected reports by foreign scientists] Trudy. [Izbrannye doklady inostrannykh uchenykh] Moskva, Izd-vo Glav.uprav. po ispol'zovaniiu atomnoi energ. pri Sovete Ministrov SSSR. Vol.1. [Physics of a hot plasma and thermonuclear reactions] Fizika goriachei plazmy i termoiadernye reaktsii. Pod obshchei red. V.F.Kalinina. 1959. 715 p. (MIRA 14:7)

1. Vtoraya mezhdunarodnaya konferentsiya po mirnomu ispol'sovaniyu atomnoy energii, Zheneva, 1958.
(Plasma (Ionized gases)) (Thermonuclear reactions)

AKHMATOV, A.F.; BLINOV, P.I.; BOLOTIN, V.F.; BORODIN, A.V.; GAVRIN, P.P.; ZAVOYSKIY, Ye.K.; KOVAN, I.A.; OGANOV, M.N.; PATRUSHEV, B.I.; PISKAREV, Ye.V.; RUSANOV, V.D.; SOLKIN, G.Ye.; STRIGANOV, A.R.; FRANK-KAMENETSKIY, D.A.; CHERENNYKH, P.A.; CHIKIN, B.V.

[Magnetoacoustic resonance in a plasma] Magnito-zvukovoi rezonans v plazme. Moskva, In-t atomnoi energii, 1960. 23 p. (MIRA 17:2)

PISKAJEV, Yu., starshiy leytenant

We needed a methodology for evaluating drill. Voen. vest. 40
no. 1:57-58 Ja '61. (MIRA 13:12)
(Military education)

PISKAREVA, A.V., inzh.; GRACHEVA, L.M., inzh.

Flooring materials based on cement dust. Stroi.mat. 7 no.6:29 Je '61. (MIRA 14:7)
(Cement industries—By-products) (Stalingrad—Floors, Concrete)

KARYAKINA, M.I.; YAKUBOVICH, S.V.; BLAGONRAVOVA, A.A.; Prinimali uchastiye: LARINA, A.N.; PISKAREVA, K.A.; PERTSOVA, Ye.N.

New type of coatings based on phenol-alkyd resins. Lakokras. mat.i ikh prim. no.5:25-27 '62. (MIRA 16:1)
(Phenol condensation products) (Protective coatings)

DUBROVA, B.M.; ZAKS, L.S.; PISKAREVA, K.A.

Improvement of the quality of enamels for agricultural machines by introducing talcum as filler. Lakokras.mat. i ikh prim. no.1: 42-45 '60. (MIRA 14:4)

(Enamel and enameling)

1. FISKAREVA L.T.

2. USSR (600)

4. Soils-bacteriology

7. Effectiveness of phosphorus bacteria on weakly alkaline chernozem soils, Dost.sel'khoz. no.1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, unclass.

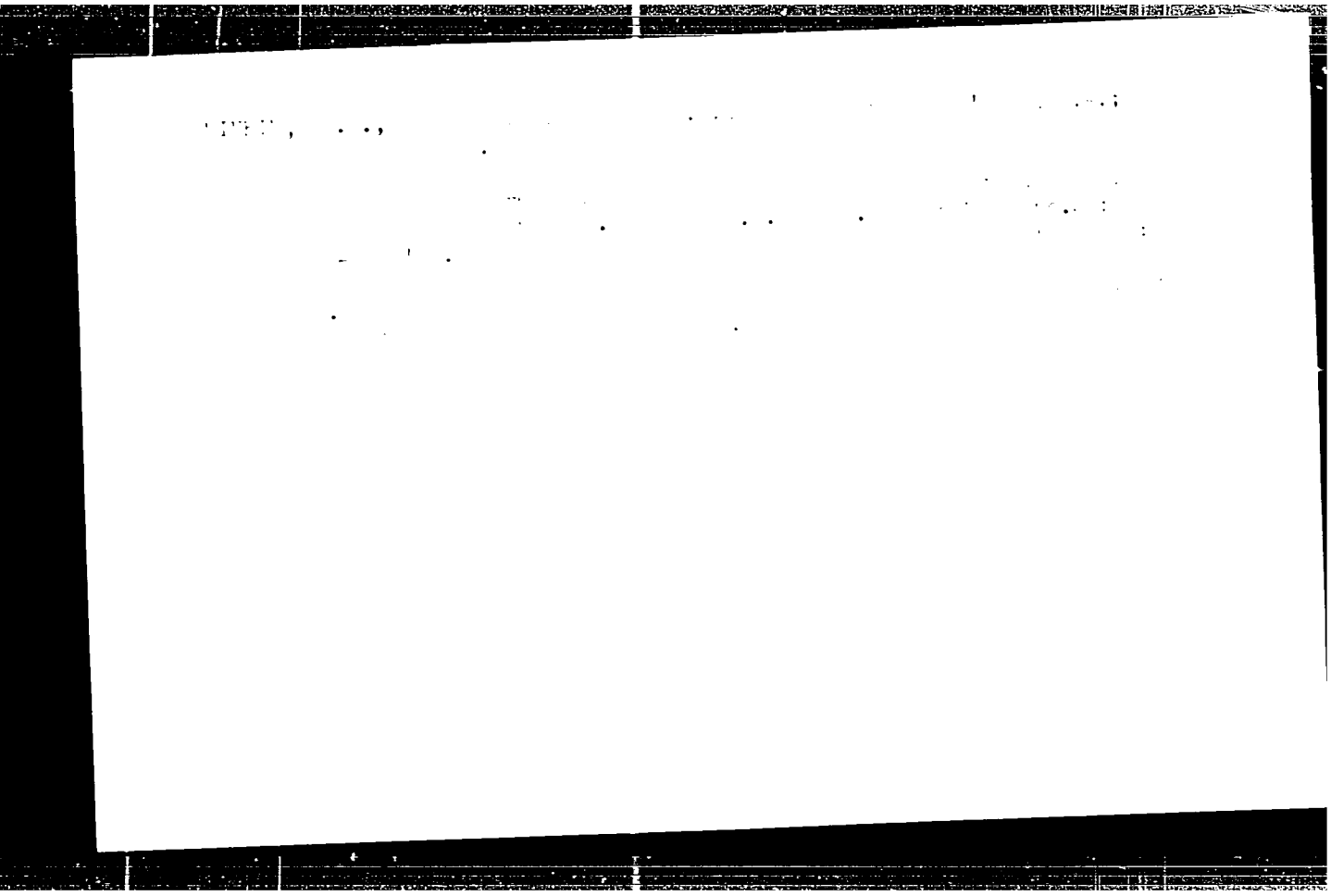
1. PISKAR'VA, L. T.

2. USSR 600

4. Phosphates

7. Effectiveness of phosphorus bacteria on weakly alkaline chernozem soils, Dost. sel'khoz, No. 1, 1953.

9. Monthly List of Russian Accessions, Library [illegible] April



PISKAREVA, N. A.

"The Etiology of Acute Encephalomyelitis After Antirabies Vaccination," by N. A. Piskareva, Antirabies Laboratory of the Institute of Epidemiology, Microbiology, and Hygiene imeni Pasteur, Voprosy Virusologii, Vol 1, No 6, Nov/Dec 56, pp 47-50.

This work presents data collected from examination of two cases of an acute disease of the meningoencephalitic type which followed antirabies inoculation and which terminated fatally. Virus isolated from cerebral tissue of the patients after death was found to be indistinguishable with regard to biological and serological characteristics from the vaccine strain of fixed rabies virus. The concentration of the virus, determined by the method of intracerebral titration in white mice, amounted to $10^{-4.32}$ (LD_{50}) in the first case and $10^{-7.0}$ in the second case. These concentrations explained both the clinical picture observed and the pathomorphological changes evidenced in the central nervous system. In the first case, the disease followed trauma (dogbite). In the second case, intense nervous shock which might have occasioned a decrease in the normal resistance of the human organism to the fixed rabies virus preceded the development of symptoms.

PISKAREVA, N.A

USSR/Virology. Human and Animal Viruses. E-3

Abs Jour: Ref. Zhur.-Biol., No 7, 1957, 28733.

Author : Piskareva, N.A.
Inst : Not given.
Title : Method for Testing Immunogenicity of Antirabies Vaccine.

Orig Pub: K metodike ispytalniy immunogennosti antirabicheskikh vaktsin.
Vopr. virusologii, 1957, No 3, 172-175.

Abstract: White mice were immunized intraperitoneally by Philips antirabies vaccine containing various quantities of live virus. When the vaccine, fully retaining the active virus, was injected, death from rabies was observed in a considerable number of mice (37.5%); the animals surviving the process of immunization de-

Card : 1/2

PISKAREVA, N.A.

Antigenic differences between fixed & street strains, of rabies virus. Acta virol. Engl. Ed., Praha 2 no.1:41-51 Jan-Mar 58.

1. Department of virology, Leningrad Pasteur Institute of Epidemiology, Microbiology and Hygiene.
(RABIES, virus
antigenic differences between fixed & street viruses.)

PISKAREVA, N.A.; PISAREVA, N.A.; IVANOV, N.P.

Development of a method for the inactivation of anti rabies vaccine with ultraviolet rays. Report No.1: Effect of various condtions of action of ultraviolet rays on the infectious and immunogenic properties of fixed rabies virus. Vop.virus. 4 no.4:420-424 Jl-Ag '59.
(MIRA 12:12)

1. Antirabicheskaya i virusologicheskaya laboratoriya Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni L.Pastera.
(RABIES, immunology)
(ULTRAVIOLET RAYS, effects)

PISKAREVA, N.A.; IVANOV, N.P.; PISAREVA, N.A.

Development of a method for inactivating antirabies vaccine by ultraviolet rays. Report No.2: Immunogenic and antigenic properties of antirabies vaccine, inactivated by ultraviolet rays. Vop.virus. 4 no.5:615-619 S-O '59. (MIRA 13:2)

1. Antirabicheskaya i virusologicheskaya laboratorii Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni L. Pastersa.
(RABIES, immunol.)
(ULTRAVIOLET RAYS, eff.)

PISKAREVA, N.A.; PISAREVA, N.A.; ALEKSEYENKO, L.D.; FEFELOVA, K.I.

Clinical testing of the dry antirabies UF-vaccine on a limited contingent of people. Trudy Len.inst.epid.i mikrobiol. 22:203-206 '61. (MIRA 16:2)

1. Iz antirabicheskoy laboratorii Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i pasterovskogo otdeleniya Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(RABIES—PREVENTIVE INOCULATION)

PISKAREVA, N.A.

Dry antirabies UF-vaccine prepared from the brain of sheep. Trudy Len.inst.epid.i mikrobiol. 22:198-202 '61. (MIRA 16:2)

1. Iz antirabicheskoy (rukovoditel' - N.A. Piskareva) i virusologicheskoy (rukovoditel' - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) laboratory Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.
(RABIES—PREVENTIVE INOCULATION)

PISKAREVA, N.A.

Comparative study of the biological and antigenic properties of derivative strains of fixed rabies virus. Trudy Len.inst.epid. i mikrobiol. 17:188-1[illegible] '58. (MIRA [illegible])

1. Iz antirabicheskoy (zav. N.A. Piskareva) i virusologicheskoy (zav. - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) laboratory Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera.
(RABIES—MICROBIOLOGY) (ANTIGENS AND ANTIBODIES)

PISKAREVA, N.A.

Biological properties and the antigenic interrelationships of strains of the rabies street virus isolated in 1952-1955. Trudy Len.inst.epid. i mikrobiol. 17:197-207 '58. (MIRA 16:2)

1. Iz antirabicheskoy (zav. N.A. Piskareva) i virusologicheskoy (zav. - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) laboratory Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera.

(RABIES--MICROBIOLOGY) (ANTIGENS AND ANTIBODIES)

PISKAREVA, N.A.

Industrial method of preparing a dry antirabic vaccine inactivated by ultraviolet rays. Trudy Len.inst.epid.i mikrobiol. 19:163-172 '59. (MIRA 16:2)

1. Iz laboratorii antirabicheskoy (rukovoditel' N.A. Piskareva) i virulogicheskoy (rukovoditel - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) kliniki Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera.
(VACCINES) (ULTRAVIOLET RAYS) (RABIES)