

MERKUR'YEVA, Ye., dotsent

Jersey cattle in Ryazan Province. Nauka ipered. op. v sel'khoz.  
8 no.4:51-54 Ap '58. (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.  
(Ryazan Province--Jersey cattle)

MERKUR'YEVA, Yevgeniya Konstantinovna; NECHAYEVA, Ye.G., red.; GEORGIYEVA, G.I., tekhn. red.

[Jersey cattle and their hybrids in the U.S.S.R.; biological principles of acclimatizing and crossbreeding cattle in connection with the problem of increasing the butterfat content of milk] Dzherskiy skot i ego porosi v SSSR; biologicheskie osnovy akklimatizatsii i skreshchivaniia krupnogo skota v sviazi s problemoi povysheniia zhirnomolochnosti. Moskva, Izd-vo Mosk. univ., 1961. 255 p.  
(MIRA 14:9)

(Jersey cattle)

MERKUR ' YEVA, YE. K.

Dissertation defended at the Institute of Genetics for the academic degree of Doctor of Biological Sciences:

"Biological Features of Jersey Cattle upon Acclimatization and Raising, and Prospects of Their Use for Increased Butterfat Content."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

MIKLE, S.; MERNIR'YEVA, Ye. K.

Fetal hemoglobin in cattle. Nauch. dokl. vys. shkoly; biol.  
nauki no. 4:178-181 '63 (MIRA 16:11)

1. Rekomendovana kafedroy genetiki i selektsii Moskovskogo  
gosudarstvennogo universiteta im. M.V. Lomonosova.

\*

MERKUR'YEVA, Yevgeniya Konstantinovna

[Biometry in stockbreeding] Biometriia v zhivotnovodstve.  
Moskva, Kolos, 1964. 310 p. (PIRA 12-5)

L 22738-66 EFF(n)-2/EWA(h)/EFT(l)/EFT(m)

ACC NR: AP6007959

SOURCE CODE: UR/0089/66/020/002/0164/0165

AUTHORS: Antonov, A. V.; Merkul'yev, Yu. A.; Granatkin, B. V.

45  
43  
B+1

ORG: none

TITLE: Temperature dependence of the diffusion parameters of neutrons in water and in ice

SOURCE: <sup>A</sup> Atomnaya energiya, v. 20, no. 2, 1966, 164-165

TOPIC TAGS: neutron diffusion, temperature dependence, water, neutron cross section, transport property

ABSTRACT: This is a continuation of earlier work by the authors (Atomnaya energiya v. 12, 22, 1962 and 13, 373, 1962), where they determined the temperature dependence of the diffusion coefficient  $D(t)$  and of the diffusion-cooling coefficient  $C(t)$  of thermal neutrons for water and ice. To reconcile the earlier results with those of W. W. Glendenin (Nucl. Sci. and Engng. v. 18, 351, 1964), the authors used the experimental values of  $D$  in water to calculate, by means of elementary formulas, the values of the transport cross

Card 1/2

UDC: 539.125.52

L 22738-66

ACC NR: AP6007959

2

section of thermal neutrons and their temperature dependence. They also calculated the temperature dependence of the mean square of the exchange energy for water and for ice, with allowance for the non-diffusion correction of the diffusion coefficient. The calculations show that when water is heated the mean square exchange energy per hydrogen atom increases, thereby increasing the diffusion motion of the molecules in the water and weakening the interaction between the liquid molecules. The reasons for this increase are the weakening of the molecular forces that prevent the exchange of energy between neutrons with increasing temperature, and the fact that the rotational motion of the water molecules approaches the motion of the free rotator. The earlier investigation was based on the assumption that the transport cross section is proportional to the reciprocal square root of the energy, and the present results confirm this assumption. The authors thank I. M. Frank and M. V. Kazarnovskiy for reviewing the article and remarks. Orig. art. has: 2 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 25Aug 65/ ORIG REF: 004/ OTH REF: 004

Card 90 2/2

MERKUR'YEVA, Yevgeniya Konstantinovna; SYSOYEVA, N.V., red.; MALAKHOV,  
F.N., red.; YERMAKOV, M.S., tekhn. red.

[Principles of biometry] Osnovy biometrii; uchebnoe posobie  
dlia biologicheskikh fakul'tetov gosudarstvennykh universi-  
tetov. Moskva, Izd-vo Mosk. univ. 1963. 236 p.  
(MIRA 16:10)

(Biometry)



PEUN, R.; MERKUSH, N.

Secretory activity of the stomach in chronic liver diseases.

Rev. sci. med. 7 no.1/2:111-114 '62.

(LIVER DISEASES)

(GASTRIC JUICE)

MERKUSHEV, A. V. (Cand. of Vet. Sci.)

"Some peculiarities of the shoeing of horses."

SO: Veterinariia 25 (4), 1948, p. 35

MERKUSHEV, A. V.,  
Sverdlov Agric. Institute

"Use and neutralization of the blood at slaughter establishments."

SO: Vet. 26(9), 1949, p 51

MERRUSHEV, A.V.

Trichinosis in wolves and foxes. Med. parazit., Moskva no.1:99-100  
Jan-Feb 1953. (CML 24:4)

1. Of Voronezh Zooveterinary Institute.

PERMITSKY, I. V.

"Epidemiological Trichinosis and the Problem of Its Diagnosis." Dr Vet Sci,  
Leningrad Veterinary Inst, Leningrad, 1954. (RZhBiol, No 4, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (14)

MERKUSHEV, A.V.

Cycle of *Trichinella* invasion under natural conditions and in its natural foci. *Med. paraz. i paraz. bol.* 24 no. 2: 125-130 Ap-Je '55. (MLRA 8:10)

1. Iz Voronezhskogo zootekhnicheskogo-veterinarnogo instituta. (TRICHINOSIS, epidemiology, in Russia, natural foci)

MERKUSHEV, A.V., professor.

Localization of trichinosis in mice. Veterinariia 32 no.4:  
74-76 Ap '55. (MIRA 8:5)

1.Voronezhskiy zootekhnicheskoye-veterinarnyy institut.  
(MICE--DISEASES) (TRICHINA AND TRICHINOSIS)

MERKUSHOV, A.V.; SEMENOVA, V.P.

The "Bol'shevik" is a state poultry breeding farm. Ptitsvodstvo 8  
no.8:8-10 Ag '58. (MIRA 11:10)

1. Direktor sovkhoza "Bol'shevik," Voronezhskoy oblasti (for  
Merkushov). 2. Glavnyy zootekhnik sovkhoza "Bol'shevik," Voro-  
nezhskoy oblasti (for Semenova).

(Voronezh Province--Poultry breeding)



MERKUSHEV, A.V.

Birds as possible carriers of trichinosis. *Wiadomosci parazyt.* 6  
no.4:318-319 '60.

1. Voronezhskiy zootechnicheskoye-veterinarnyy institut, Voronezh,  
SSSR.

(TRICHINOSIS transm)  
(BIRDS dis)

MERKUSHEV, A. V. *Prog.*

"About trichinellascopy in pigs."

Veterinariya, Vbl. 37, No. 5, 1960, p. 69

*Voronezh Zoovet. Inst.*

DAO VAN CHUNG, veter.in.vrach; MERKUSHEV, A.V., prof.

Veterinary service in the Democratic Republic of Vietnam.

Veterinariia 37 no.7:82-83 JI '60.

(MIRA 16:2)

1. Nachal'nik otdeleniya veterinarii pri upravlenii zhivotnovodstva Ministerstva sel'skogo khozyaystva i lesovodstva Demokraticheskoy Respubliki V'yetnam (for Dao Van Chung). 2. Voronezhskiy zooveterinarnyy institut (for Merkushev).  
(Vietnam, North—Veterinary medicine)

MERKUSHEV, A.V.

Role of birds in the circulation of *Trichinella spiralis* in  
nature. Zool.zhur. 39 no.2:161-164 F '60.  
(MIRA 13:6)

1. Voronezh Veterinary Zootechnical Institute.  
(Arctic regions--Trichina and trichinosis)  
(Birds as carriers of disease)

MERKUSHEV, A. V.

Testing of piperazine in trichinellosis with the use of biopsy for early diagnostic purposes. Wiadomosci parazyt. 8 no.1:75-79 '62.

1. Voronezhkiy vetarinarno-zootekhnichaskiy institut.

(PIPERAZINES ther) (TRICHINOSIS ther) (BIOPSY)



MERKUSHEV, A. V.

"On the differential diagnosis of pork by means of trichinoscopy."

report to be submitted at the 17th World Veterinary Congress,  
Hanover, West Germany, 14-21 Aug 63.

MERKUSHEV, A.V.

100 years of the research on trichinosis in the USSR. Wlad.  
parazyt. 11 no.4:229-231 '65.

1. Veterinarnyy fakultet, Voronezh, SSSR.



FLEROV, B.N.; MERKUSHEV, I.M.

Cyclone with a high coefficient of air purification. Der.  
prom. 9 no.1:23-24 Ja '60. (MIRA 13:4)  
(Pneumatic-tube transportation)  
(Woodworking industry--Equipment and supplies)

~~...KUSHLEV, I.M., inzh.~~

Cyclone separator. Der. prot. 10 no. 1:20-21 Ja '61. (MIA 1:2)  
(Separators (Machines))

MERKUSHEV, O.V.

Exclusion operations in annular-space gas circulation in  
fields of Sakhalin. Nefteprom. delo no.5:28-30 '63.

(MIRA 17:6)

1. Ob'yedineniye "Sakhalinneft'".

MERKUSHEV, R.N., dotsent, kandidat tekhnicheskikh nauk; BABANOV, I.V.,  
inzhener; KOSTIN, I.I., dotsent, kandidat tekhnicheskikh nauk, re-  
daktor; GEL'MAN, A.S., inzhener, nauchnyy redaktor; BEGAK, B.A.,  
redaktor; PERSON, M.H., tekhnicheskiiy redaktor.

[Track and trackless transportation on the building site] Rel'so-  
vyi i bezrel'sovyi transport na stroitel'noi ploschadke. Pod ob-  
shchei red. I.I.Kostina. Moskva, Gos. izd-vo lit-ry po stroitel'stvu  
i arkhitekture, 1954. 343 p. (MLBA 7:11)

(Railroads, Industrial) (Transportation, Automotive)  
(Building)

MERKUSHEV, R. N.

DUBINSKIY, P.F.; KOSTIN, I.I.; MERKUSHEV, R.N.; KOSTENETSKIY, K.P.  
kandidat tekhnicheskikh nauk, redaktor; BEGAK, B.A., redaktor;  
MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Transportation in industrial enterprises] Transport promyshlennyykh predpriyatii. Moskva, Gos.izd-vo lit-ry po stroit. i arkhitekt. 1955. 282 p.  
(MLRA 8:10)  
(Transportation)

GRACHEV, Viktor Anatol'yevich; STOYLIK, Mikhail Alekseyevich. Prinimal  
uchastiye FADEYEV, V.G.; FEDOROV, V.V., kand. tekhn. nauk, retsen-  
zent; MERKUSHEV, B.H., kand. tekhn. nauk, dotsent, red.; BORUNOV,  
N.I., tekhn. red.

[Railroad transportation in the peat industry] Zheleznodorozhnyi  
transport torfianoi promyshlennosti. Moskva, Gos. energ. izd-vo,  
1960. 291 p. (MIRA 14:10)  
(Railroads, Industrial) (Peat industry)

1. MERKUSHEV, S. V.
2. USSR (600)
4. Linoleum
7. Using linoleum in furniture production. Der. i lesokhim. prom. 1 no. 8 1952

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

MEHINKIN, S. V.

Furniture Industry

For reorganization of technical personnel, Des. i izobrazhen. pr. . . . , No. 1, 1953.

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



MONKUSHEV, G. V.

Plastics

Combined trim from plastic. Ser. 1 (Leningrad). prom. 2, 11. 1, 1971.

Monthly List of Russian Accessions, Library of Congress, June 1958. Uncl.

MERKUSHEV, S. V.

Furniture

Economizing on hard deciduous woods in decorative details of furniture. Ser. 1  
lesokhin. prom. 2, No. 4, 1953.

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

MERKUSHEV, S.V.

Preventing deformations in doors on wooden furniture. Der.1 lesokhim.prom.  
2 no.6:25-26 Je '53. (MLBA 6:5)

1. Leningradskaya mebel'naya fabrika imeni Khalturina. (Doors) (Furniture)

MERKUSHEV, V.A.

Protective cap for the AT-1 telescope mirror. Biul.sta.opt.  
nabl.isk.sput.Zem. no.1:8-9 '60. (MIRA 13:5)

1. Novosibirskaya stantsiya nablyudeniya iskusstvennykh sputnikov  
Zemli.

(Telescope, Reflecting)

44249

S/035/62/000/012/006/064  
A001/A101

3.2100

AUTHOR: Merkushev, V. A.

TITLE: On improving the accuracy of determining coordinates of Earth's artificial satellites in visual observations

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 13, abstract 12A145 ("Tr. Novosib. in-ta inzh. geod. aerofotos'yemki i kartogr.", 1961, v. 15, 117 - 126)

TEXT: The author analyzes causes of errors in determining coordinates of Earth's artificial satellites. In observations of satellites with AT-1 telescopes the error is composed of the inaccuracy of determining observation time and the error in position. The latter is determined by the accuracy of drawing the field of stars, satellite and the map scale. The total error may attain  $\pm 1^\circ$  in  $\alpha$  and  $\delta$ . In using a 10" universal instrument adapted for observations of satellites, the accuracy of their coordinates is affected more over by instrumental errors and errors in measuring angles. The use of an annular micrometer makes it possible to reduce the value of the total error to  $\pm 3'5$ .

[Abstracter's note: Complete translation]

M. I.

Card 1/1

MERKUSHEV, V.

Observations of satellites with a transit instrument. Biul.-  
sta.opt.nabl.isk.sput.Zem. no.23:8-11 '61. (MIRA 15:3)

1. Novosibirskaya stantsiya nablyudeniya iskusstvennykh sputnikov  
Zemli. (Artificial satellites--Tracking)

41268

S/035/62/000/010/009/128  
A001/A101

3 2 1 0 0  
AUTHOR: Merkushev, V.

TITLE: Multiple time instant recording at satellite observations with AT-1 telescopes

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 15, abstract 10A143 ("Byul. st. optich. nablyudeniya isskustv. sputnikov Zemli", 1961, no. 23, 11 - 13)

TEXT: When a satellite transit occurs not accross the center of the AT-1 visual field, time instant of increased accuracy can be determined as an average value from four pairs of readings on symmetric annular wires for a point whose position is fixed by intersection of the perpendicular from the reticule center to the projection of the satellite track. This perpendicular will be the bisectrix of an angle formed by two tangents to one of the concentric circles of the reticule. It is necessary to have two measuring grids in order to find quickly this point: one- reticule in the visual field of AT-1, and the second - above-mentioned angle.

M. Illenko

[Abstracter's note: Complete translation]  
Card 1/1

L 32094-65 EEC-2/ENT(d)/FBD/FSF(h)/FS5-2/ENT(1)/FS(v)-3/EEC(k)-2/EWA(d)/T-2/  
EEC(c)-2/EEB-2 Pn-4/Po-4/Pq-4/Pac-4/Pg-4/Pk-4/Pl-4/Pac-2 GW/WR

ACCESSION NR: AR5005697

S/0313/64/000/009/0009/0009

SOURCE: Ref. zh. Issledovaniye kosmicheskogo prostranstva. Otd. 7/6  
vyp., Abs. 9.62.55 B

AUTHOR: Merkushev, V.

TITLE: Personal difference in the observation of satellites 7

CITED SOURCE: Byul. st. optich. nablyudeniya iskusstv. sputnikov  
Zemli, no. 35, 1962(1963), 8-10

TOPIC TAGS: satellite observation, artificial earth satellite,  
visual acuity, response measuring device

TRANSLATION: At the Novosibirsk station of optical artificial  
satellite observations, the satellites are observed with the aid of  
a modernized 10" universal instrument. The instants of observation  
are recorded with the aid of a keyboard. A point source of light

Card 1/2



L 32094-65

ACCESSION NR: AR5005697

that moves on a bar provided with mechanical contacts is used to determine the personal error of the observer. The positions of the hairlines of the grid in the field of view of the telescope are aligned with the positions of the contacts on the bar, as a result of which the instant of passage of the point source of light through the hairline of the grid should be equal to the instant of the appearance of the corresponding contact, and the difference between these instants is equal to the personal error of the observer. Values are given for personal differences of four observers, the magnitude of which fluctuates within  $\pm 0.045$  second for the same observer and reaches 0.1 second for different observers. The author indicates that allowance for the personal difference between observers greatly increases the accuracy with which the coordinates of the satellites are determined with the AT-1 telescope. A. Kuznetsov.

SUB CODE: SV, PH

ENCL: 00

Card 2/2

1 32092-65 FSE(h)/FSS-2/EWI(1)/FS(v)-3/BEG(k)-2/ENG(v)/EWA(d)/I/EEB(b)-3/EWA(c)  
Pri-4/Pa-5/Pi-4/Pae-2 IJP(c) GH

ACCESSION NR: AR5005699

S/0313/64/000/009/0009/0009

SOURCE: Ref. zh. Issledovaniye kosmicheskogo prostranstva. Otd. 61  
vyp., Abs. 9.62.57 60  
B

AUTHOR: Merkushev, V. A.

TITLE: Experience in satellite photography<sup>20</sup> by means of the NAFA-21  
camera,

CITED SOURCE: Byul. st. optich. nablyudeniya iskusstv. sputnikov  
Zemli, no. 35, 1962(1963), 12-13

TOPIC TAGS: artificial earth satellite, satellite observation,  
satellite photography/NAFA-21

TRANSLATION: The article describes the experience gained in photo-  
graphing artificial satellites at the Novosibirsk station using the  
NAFA-21 camera (F = 21 cm, relative aperture 1:4.5; picture size

Card 1/2

L 32092-65

ACCESSION NR: AR5005699

13 x 18 cm). A control panel permits two modes of shutter operation: instantaneous exposure with duration  $< 0.08$  second, or exposure of arbitrary length with markers for the shutter opening and closing times.

The camera is mounted on the alidade of a universal Kern instrument. The dial of the instrument is used to orient the camera in azimuth, and a rigid plumb bob and dial with divisions on the side wall of the camera make it possible to set the camera accurate to  $2^\circ$  in height. The spotting telescope used is a TZK commander's glass. Several dozen of photographs of the echo satellite were obtained. Tracks of stars up to  $9^m$  were observed on the individual negatives. A. Kuznetsov.

SUB CODE: ES, SV

ENCL: 00

Card 2/2

L 43048-66 EWT(1)/EEC(k)-2 GW

ACC NR: AR6014275

SOURCE CODE: UR/C313/65/000/011/0010/0010

AUTHOR: Merkushev, V. A.

TITLE: Device for determining the personal difference in observing rapidly moving celestial bodies

SOURCE: Ref. zh. Issledovaniye kosmicheskogo prostranstva, Abs. 11.62.100

REF SOURCE: Tr. Novosib. in-ta inzh. geod., aerofotos"yemki i kartogr., v. 18, no. 1, 1964, 93-101

TOPIC TAGS: ~~artificial earth satellite~~, artificial satellite observation, *point source*, *light*

ABSTRACT: A device for determining the personal difference in visual observations of artificial earth satellites (produced at the Novosibirsk Engineering Institute of Geodesy, Aerial Photography, and Cartography (Novosibirskiy institut inzhenerov godezii, aerofotos"yemki i kartografii) ) is a point light source which can be moved in the forward or backward directions. The actual moments of observing the point light source, which are compared with the observed moments, are determined with the help of a contact device. The difference of these

Card 1/2

2 1/2" x 3 1/2"

ACC NR: AR6014275

moments determines the personal difference of the observer. The results of determining the personal difference of five observers are presented. The random error in determining the personal difference is  $\pm(0^S.004--0^S.005)$ . A. K.  $\sqrt{\quad}$  Translation of abstract/

SUB CODE: 22,17

Card 2/2

MERKISHOVA I. V.

USSR / Zooparasitology - Helminths.

G-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 81725

Author : Morkishova, I. V.

Inst : Not given

Title : A New Nematode -- Citollina Skrjabini Sp. Nov. from the Intestine of the Spotted Suslik (Citollus suslica Guld.) of the Belorussian SSR

Orig Pub : Izv. AN BSSR, 1955, No 4, 103-106

Abstract : No abstract given

Card 1/1

MERKUSHEVA, I.V.

Study of the helminths of rodents in the southern part of White  
Russia. Biul. Inst. biol. AN BSSR no.2:259-263 '57. (MIRA 1.:?)  
(White Russia--Worms, Intestinal and parasitic)  
(Parasites--Rodentia)

MERKUSHEVA, I.V.

Study of helminth parasites of water rats (*Arvicola terrestris* L.)  
in White Russia. Dokl. AN BSSR 3 no.6:279-283 Je '59.  
(MIRA 12:10)

1. Predstavleno akademikom AN BSSR V.A. Leonovym.  
(WHITE RUSSIA--WORMS, INTESTINAL AND PARASITIC)  
(PARASITES--WATER VOLES)



MERKUSHEV, I.V., nauchnyy sotrudnik

Helminthic fauna of the European hare (*Lepus europaeus* L.) and  
the blue hare (*Lepus timidus* L.) in White Russia. Trudy NIVI  
1:211-216 '60. (MIRA 15:10)  
(White Russia--Parasites--Hares)  
(Veterinary helminthology)

DYL'KO, N.I.; MERKUSHEVA, I.V.

Parasites of the coypu (*Myopotamus coypus* Molina) in white Russia.  
Dokl. AN BSSR 4 no.10:441-443 '60. (MIRA 13:9)

1. Otdel zoologii i parazitologii AN BSSR. Predstavleno akademikom  
AN BSSR V.A. Leonovym.

(White Russia--Parasites--Coypu)

MERKUSHEVA, I.V.; KRAYEVSKAYA, L.I.

Parasites in the wood grouse, black grouse, and hazel grouse in  
White Russia. Dokl. AN BSSR 7 no.3:212-215 Mr '63. (MIRA 16:6)

1. Otdel zoologii i parazitologii AN BSSR. Predstavleno akademikom  
AN BSSR R.S.Chebotarevym.

(White Russia--Parasites--Birds)

MERKUSHEVA, I.V. [Merkushava, I.V.]

Role of rodents in spreading helminths among people, domestic  
and game animals in White Russia. Vestsi. AN BSSR. Ser. bial.  
nav. no.3:94-98 '65. (MIRA 18:11)

МЕРКУШЕВА, И.В. [Merkushova, I.V.]

Helminths of the genus *Synadia* Surat, 1916, found in rodents of  
white Russia. Vestnik AN BSSR, Ser. biolog. nauk, no. 4 (1964), p. 164.  
(1966-18:12)

MERKUSHEVA, I.V.

Bird cestodes parasitizing or rodents. Dokl. AN BSSR 9  
no. 5:349-351 My '65 (MIRA 19:1)

1. Otdel zoologii i parazitologii AN BSSR. Submitted June 4,  
1964.

ACC NR: AP7001154 (A,N) SOURCE CODE: UR/0439/66/045/006/0830/0835

AUTHOR: Arzamasov, I. T.; Merkusheva, I. V.; Petrovskiy, Yu. T.; Dyl'ko, N. I.

ORG: Division of Zoology and Parasitology, Academy of Sciences, Belorussian SSR, Minsk (Otdel zoologii i parazitologii Akademii nauk Belorusskoy SSR)

TITLE: Parasites of squirrels in Belorussia

SOURCE: Zoologicheskiy zhurnal, v. 45, no. 6, 1966, 830-835

TOPIC TAGS: ~~zoology~~, parasitology, <sup>ANIMAL</sup> parasite, arthropod, helminth, protozoa, rickettsia

ABSTRACT: Data on parasites of the grey squirrel were collected in the Belorussian SSR between 1963 and 1964. The specificity, distribution, and dependence of 46 parasite species on the living conditions of the host were analyzed. In all, 39 arthropod, 3 helminth, 3 protozoan, and 1 rickettsial species were found in arboreal squirrels, while in ground squirrels and burrowing squirrels 14 arthropod, 6 helminth, 1 rickettsial, and 1 microbial parasite species were found. [LP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 016/ [WA-50; CBE No. 14] OTH REF: 002

Card 1/1

UDC: 591.69-932.22(476)

CHERNYSHEVA, A.F.; MERKUSHEVA, L.A.; ZLOKAZOVA, V.M.; KOSTINA, G.M.

Economic and geographical study of small rivers in the Votkinsk  
Reservoir region for the purpose of developing transportation.  
Uch. zap. Perm. gos. un. 101:57-69'63 (MIRA 18:2)



MERKUSHEVA, Yu.S. (Moskva, D-252, Novopeshchanaya ul., d23/7, kv. 374)

Error in the diagnosis of bronchocutaneous fistula. Vest.  
Khir. 91. no.10:134 0 '63. (MIRA 17:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.S. Zhorov) sanitarno-gigiyenicheskogo fakul'teta 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sedhenova i rentgenologicheskogo otdeleniya (zav. - I.A. Sanpiter) 61-y gordskoy klinicheskoy bol'nitsy (glavnyy vrach - kand. med. nauk L.N. Vasilevskaya).

AKULINICHEV, I.T.; ANDREYEV, L.F.; BAYEVSKIY, R.M.; BAYKOV, A.Ye.; BUYLOV, G.G.  
GAZENKO, O.G.; GRYUNTAL', R.G.; ZAZYKIN, K.P.; KLIMENTOV, Yu.F.;  
MAKSIMOV, D.G.; MERKUSHKIN, Yu.G.; MONAKHOV, A.V.; PETROV, A.P.;  
RYABCHENKOV, A.D.; SAZCNOV, N.P.; UTYAMYSHEV, R.I.; FREYDEL', V.R.;  
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EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1122. CONSIDERATIONS ON DERMATOSES AND OCCUPATIONAL STIGMATA  
IN ENGINE DRIVERS AND STOKERS - Considerații asupra dermatozelor și  
stigmatelor profesionale la fochiștii și mecanicii de locomotivă -  
Merlescu G. - DERM. VENER. (București) 1958, 3/2 (145-157) Graphs 4  
After examining 206 engine drivers and stokers the author established the following  
incidence of dermatoses and professional stigmata among them: oil acne - 11.16%,  
facial teleangiectases - 30.58%, traumatic pigmentation of right forearm - 21.36%,  
palmar keratoderma - 45.14%, depilation on the hands and forearms, owing to  
burns - 49.90%. The above injuries may sometimes lead to a temporary disability  
to work and should be considered as an alarming symptom of deeper disorders. The  
sanitary and hygienic measures the author prescribed have noticeably reduced the  
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L'viv, 1957. 19 pp (Min of Higher Education Ukr SSR, L'viv  
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Characteristics of the formation of mercury deposits in the Vyshkovo region (Transcarpathia). Geol. sbor. [Lvov] no.4:89-106 '57.  
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1.L'vovskiy gosuniversitet imeni Ivana Franko.  
(Vyshkovo region (Transcarpathia)--Mercury ores))

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Paleogene phase of volcanism in the eastern Carpathians.  
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MERLICH, B.V.

Mineralogical associations of Neogene ore deposits in Transcarpathia. Min.sbor. no.11:122-127 '57. (MIRA 13:2)

1. Gosuniversitet imeni Ivana Franko, L'vov.  
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Metacinnabarite from Transcarpathia. Min.sbor. no.11:342-346  
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1. Geologicheskaya ekspeditsiya Ural'skogo gosuniversiteta,  
Beregovo Gosuniversitet im. Ivana Franko, L'vov.  
(Transcarpathia--Metacinnabarite)

M/ERLICH, B. V.

AUTHOR

MERLICH, B. V.

20-2-49/62

TITLE

Volcanic Breccia Dikes of Transcarpathia

(ruspolskoye brekchiyevyye danyi Zakarpatt'ya - Russian)

LITERATURE

Doklady Akademiya SSSR, 1961, Vol 11, Nr 2, pp 372-375 (U.S.S.R.)

ABSTRACT

In the Vysochy district steeply declining breccian dikes occur which traverse sedimentary tuffaceous rocks. A number of peculiar features characterize these dikes with the very original formations whose genesis can neither be explained by tectonic nor by hydrothermal, nor by magmatic phenomena. The author came to the conclusion that these dikes are of a volcano-explosive origin since no other similar types were established in this country, in other areas described here. The region of distribution is composed of magmatic sediments, namely argillites, sandstones and tuffs with intermediate layers of hypabyssal intrusives. These latter are represented by basaltic diorites, andiorite-porphyrans and albitic-porphyrans. After stabilization of the intrusives a volcanic activity began. Thereafter remained andesite coverings and explosion funnels consisting of volcanic breccia. This latter consists of bits of rocks occurring in the above-mentioned region. They are cemented together by tuffaceous and sedimentary material. No dependence of the breccian composition on that of containing rocks could be established. The chemical analysis of the cement disclosed a similarity with the andesites of that region and suggested a genetic connection. Cataclase is completely absent. This prevents a classification of breccia among formations developed under the influence

Card 1/3

Volcanic Breccian Dikes of Transcarpathia.

20-2-49/62

of tectonic tectonics. Especially improbable for tectonic zones are the smooth contact surfaces without fissures, elevations and impressions, and especially without sliding surfaces. A higher age of the tectonic zones, as compared to the breccian dikes, is indicated by the step-like contours and by their position sometimes in the milonitization zones of intrusive rocks, at the absence of sliding surfaces on the contacts with milonite, as well as by traces of cataclas in the breccia. Sluden swellings exist in the intrusive rocks. On cleaving they form a system of fine (0,5-3 cm) breccian veins which cut the intrusive rocks into blocks and lumps in which no shift is noticed. All this gives the impression that the breccian mass was injected tectonic fissures along which no shifts of rocks took place. A great difference in the character of transformation of notorious tectonic zones and of breccia dikes from intrusive rocks to sedimentary ones is observed. It follows that the breccian dikes can't be a result of hydrothermal or magmatic activity. It is also impossible that they were pulled from above as the nephelinite volcanic dikes, since blind dikes do not occur in the region analysed here. Their origin can't be explained by erosion from lower horizons either, for there do not exist any sediments with bits of hypabyssal rocks here. All this excludes a classification of the dikes among formations developed under the influence of tectonic movements, which latter would have led to a crushing of rocks and injection of sedimentary splinters to the regions of intrusive masses and inversely of eruptive

100 2/3



Volcanic Breccian Likes of Transcarpathia.

20-2-49/62

rocks into the regions of sedimentary masses. It can only be stated that already existing tectonic changes controlled the distribution of breccia. The material discussed here leads to the conclusion that the breccian dikes have an explosion genesis which is close to the genesis of volcanic funnels. In a considerable depth explosions of volcanic gases occurred which accumulated in the upper part of the column of basic magma. These gases together with overheated vapor penetrated under high pressure into the open channels which were formed by the explosion. On a drop of pressure the gases broke forth from the walls of the channels and caused a second explosion during which many bits of rocks were torn away.  
(2 illustrations, 4 Slavic references).

ASSOCIATION L'vovskiy gosudarstvennyy universitet im. Iv. Franko  
PRESENTED BY KORZHINSKIY D.S., member of the Academy, Feb. 12, 1957  
SUBMITTED Dec. 24, 1956  
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Characteristics of mercury mineralization in Transcarpathia.  
Sov. geol. 1 no.2:73-89 '58. (MIRA 11:4)

1. L'vovskiy gosudarstvennyy universitet.  
(Transcarpathia--Mercury ores)

MERLICH, B.V.

AUTHOR: Merlich, B.V.,

11-58-3-4/14

TITLE: Explosive Brecciated Dikes in Trans-Carpathia (Eksplodzivnyye brekchiyevyye dayki v Zakarpat'ye)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, # 3, pp 46-57 (USSR)

ABSTRACT: The author of this article describes the brecciated dikes in the Vyshkov rayon of Trans-Carpathia and propounds the theory that they are not of tectonic origin, as it was stated previously by other geologists, but of explosive, volcanic origin. He substantiates his theory by way of special geologic surveys and also by microscopic and chemical research.

The dimensions of these intrusions range from 200 m to 2 km. They are usually of an irregular oval shape, often elongated. Their composition - pieces of granodiorite-porphry, diorite-porphyrates, gabbro-diabases, sedimentary rocks and tuff - is cemented together by sedimentary and tuffogenous material. The fragments represent 70-80%, while the cementing mass is only 20 to 30% of the breccia. The cementing mass is usually of a grey or greyish-green color, which, when put under a microscope, shows that it contains clastic materials formed by fragments of quartz and plagioclase, as well as fragments

Card 1/3

Explosive Brecciated Dikes in Trans-Carpathia

11-58-3-4/14

of eruptive and sedimentary rocks. In some of these cements, a large admixture of clay material formed by pulverised argillite is observed, especially in dikes located in the sedimentary stratum. Very significant also is a total absence of fragments in the breccia materials of these dikes, which supports the author's theory of their volcanic nature. Moreover, intensive studies disclosed uniformity of the composition of the fragmentary parts and the independence of the brecciated dikes from the surrounding rocks, which leads to the assumption that there is a common source of breccia material for all dikes, and that this source is located at considerable depths.

As to the mechanism of formation of these brecciated dikes, the author presumes that explosions occurred in the rising magma as deep as 500 m. At that moment, the exploding gases and the overheated vapor were forced under high pressure into open canals or even into closed cavities, which were formed by previous explosions. After the explosion, these gases escaped from the walls and cavities, causing secondary explosions, which crushed and broke away pieces of rocks. These fragments, together with pulverised magma, were pushed into higher sections of fis-

Card 2/ 3

Explosive Brecciated Dikes in Trans-Carpathia

11-58-3-4/14

tures, sometimes even reaching the surface. When cooling occurred, the vapors became liquified and the whole mass moved along the fissures. Thus were formed brecciated dikes consisting of fragments of rocks of lower strata and cement (crushed parts of volcanic materials and possibly, of pulverised lava).

The hypothesis of the eruptive origin of brecciated dikes is in concordance with the geologic development of the Vyshkov rayon and explains the otherwise strange peculiarities of these dikes. The tuffogenous character of cement, by its similarity to the andesites in composition, tends to prove once more the volcanic origin of these dikes.

There are 6 figures, 1 table, 7 Soviet and 2 American references.

ASSOCIATION: L'vovskiy Gosudarstvennyy Universitet imeni Iv. Franko (L'vov State University imeni Iv. Franco)

SUBMITTED: December 21, 1956

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Tectonic factors governing the formation of Neogene ore deposits in  
Transcarpathia. Geol. sbor. [Lvov] no.5/6:95-104 '58.  
(MIRA 12:10)

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(Transcarpathia--Geology, Structural)  
(Transcarpathia--Ore deposits)

MERLICH, V.V. [Merlich, V.V.]; SPITKOVSKAYA, S.M. [Spitkova'ska, S.M.]

Development of the Tertiary volcanism in the Soviet Car-  
pathians. Pyt.geol. no.9:30-49 '58. (MIRA 13:4)  
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Age of hypabyssal intrusions in the Vyshkovo region in Transcarpathia.  
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Regularity of the formation of mercury mineralization in the Transcarpathian region. p. 55.

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Uncl.

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Vol. 12, no. 2, Apr./ June 1959.

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Uncl.

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Uncl.

GILLER, Ya.L.; MERLICH, B.V.; SPITKOVSKAYA, S.M.

Hydroromeite from Transcarpathia. Min.sbor. no.14:285-296  
'60. (MIRA 15:2)

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MERLICH, B.V.; ZAYTSEVA, V.N.; SMITROVSKAYA, S.M.; SASIN, G.G.

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1. Gosudarstvennyy universitet imeni Iv.Franko, L'vov,  
Zakarpatskaya ekspeditsiya.  
(Transcarpathia--Volcanic ash, tuff, etc.)

MERLICH, B.V.; SPITKOVSKAYA, S.M.; DATSENKO, N.M.

Classification of aggregate varieties of sulfur in the Rozdol  
depcsit. Min. sbor. no.16:210-226 '62. (MIRA 16:10)

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(Rozdol region--Sulfur)



MERLICH, B.V.

Genesis of metacinnabarite from Transcarpathia. Geol. rud.  
mestorozh. 5 no.5:95-99 S-0 '63. (MIRA 16:11)

1. L'vovskiy universitet imeni Ivana Franko.

MERLICH, B.V.; SPITKOVSKAYA, S.M.

New data on the association of the Neogene mineralization  
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no.6:1407-1410 D '63. (MIRA 17:1)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Franko.  
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~~Time of the oxidizing disintegration of sulfur ores in the Rozdol~~  
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1. Gosudarstvennyy universitet imeni Franko, L'vov.

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1. L'vovskiy gosudarstvennyy universitet im. Iv.Franko.