

USSR/Farm Animals. Horses.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92546.

tion at the moment of parturition reached 61 mm. per hour. The blood sugar content increased toward the end of pregnancy from 83 to 107 mg% and dropped after foaling to 84 mg%; the calcium content increased from 15.0 to 16.7 mg% in the eleventh month of pregnancy; the content of inorganic phosphorus increased from 4.55 to 5.08 mg%; the content of glutathione dropped at the end of pregnancy from 73.3 to 39.9 mg%. It is suggested that the mares be fed with organic mineral mixtures in autumn and winter (starting with the fourth month of pregnancy) and that carbohydrate rich diets be given to pregnant mares. -- V.V. Polovtsova.

Card : 2/2

KRIVCHENKOVA, Lyusya; TYURINA, Lera; KOSTIKOVA, Lida; KOSAREVA, Lida;
RUMYANTSEV, Andryusha; CHIZHIKOVA, Lida; GOLEN'SHIN, Petya

Blooming gladioli in May. IUn. nat. no.5:11 My '58. (MIRA 11:5)

1.Shkola No.538, Moskva.

(Gladiolus)

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757730009-2

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757730009-2"

TYURINA, LERISA Gavrilovna, zhar.; KIFELUSH, S.I., red.

[At the foot of the Acropolis] U podnozhia Akropolis.
Moskva, Mysl', 1965. 79 p. (MIRA 18:10)

TYURINA, L.N.; AL'PEROVICH, M.A.; USHENKO, I.K.

Cyanine dyes with unsaturated substituents. Part 10: 6-styrylthiamerocyanines and rhodacyanines with substituents in the polymethine chain. Zhur. ob. khim. 32 no.1:70-76 Ja '62. (MIRA 15:2)

1. Filial nauchno-issledovatel'skogo kinofotoinstituta i Institut organicheskoy khimii AN Ukrainskoy SSR.
(Cyanines)

SHENDEREY, Ye.R.; IVANOVSKIY, F.P.; Prinimali uchastiye: TYURINA, L.S.;
SERGEYEVA, L.Ye.; DORFMAN, I.M.

Solubility of acetylene in acetone at low temperatures. Zhur.
prikl.khim. 37 no.7:1557-1562 J1 '64.

(MIRA 18:4)

KASHTANOVA, A.Z.; TYURINA, L.S.

Semicoking of Cherekhovo coals with the addition of pitch.
Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 4 no.2:93-96 '59.
(MIRA 16:8)

(Coal--Carbonization)

TYURINA, L.V.

Determination of the alcohol yield based on the brewing of grape
must. Trudy VNIIVIV "Magarach" 9:96-106 '60. (MIRA 13:11)
(Alcohol) (Fermentation)

POPOV, K.S.; kand. tekhn. nauk; GAYVORONSKAYA, Z.I.; UMANETS, V.P.;
NILOV, V.I.; VALUYKO, G.G.; OKHREMENKO, N.S.; ZHDANOVICH,
G.A.; DATUNASHVILI, Ye.N.; SERBINOVA, N.I.; MARCHENKO, G.S.;
KURAKSINA, N.K.; TYURIN, S.T.; TYURINA, L.V.; KRIMCHAR, M.S.;
RAZUVAYEV, N.I.; OGORODNIK, S.T.; MIKHAYLOV, S.M.;
ZHILYAKOVA, O., red.; GLIKMAN, N., red.; FISENKO, A., tekhn.
red.;

[Wine making; manual for the workers of wineries on state and
collective farms in the Crimea] Vinodelie; rukovodstvo dlia ra-
botnikov vinodel'cheskikh zavodov sovkhov i kolkhozov Kryma.
Simferopol', Krymizdat, 1960. 415 p. (MIRA 16:3)
(Crimea--Wine and wine making)

to the fermentation after 5-10 min. such as...
the data of the content of sugar and also in the must during
fermentation and occurs during of the process. M.C.

TYUMINA, M. K.

34005 O voroze stoychivosti rasteniy paniva bozhich. Tadzh. Miliata
akad. Nauk SSR, V. 11, 1949, S. 24-30. Abstr: 6 Nov.

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

AL'PEROVICH, M.A.; USHENKO, I.K.; TYURINA, L.N.

Synthesis of thiocarbocyanines with unsaturated radicals as constituents. Zhur.ob.khim. 28 no.9:2538-2547 S '58. (MIRA 11:11)

1. Filial nauchno-issledovatel'skogo kinofotoinstituta i Institut organicheskoy khimii AN USSR.
(Thiocarbocyanine)

TYURINA, L.V.

Method of determining the acid resistance of wine yeast. Mikrobiologiya
30 no.6:1066-1099 N-D '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vinodeliya i
vinogradarstva "Magarach".
(YEAST) (WINE AND WINE MAKING--MICROBIOLOGY)

TYURINA, Margarita Mikhaylovna; GRINENKO, V.V., red.; FROLOV, P.M.,
tekhnred.

[Study of the frost resistance of plants in the Pamir highland]
Issledovanie morezostoikosti rastenii v usloviakh vysokogorii
Pamira. Stalinabad, Izd-vo Akad. nauk Tadzhikskoi SSR, 1957.
123 p. (Akademiia nauk Tadzhikskoi SSR., Stalinabad. Trudy, vol. 57)
(Pamirs--Plants--Frost resistance) (MIRA 12:9)

USSR / Plant Physiology. Water Regimen.

I-3

Abs Jour : Ref Zhur. Biol., No 22, 1958, No 99948

Author : Tyurin, I. H.

Inst : Not given

Title : Determining the Water-Retaining Capacity of Plant Tissues.

Orig Pub : Fiziol. Rostoviy, 4, No 4, 378-384, 1957

Abstract : Various methods and various water extracting forces have been used to determine the content of free and combined water in the leaves of certain East Farir plants. The water-retaining forces of live leaves dried to a definite extent were found to be in all cases much greater than the water-retaining forces of these leaves when determined by the freezing (calorimetric) method. This is related to the appearance of a considerable negative turgorous pressure in the dried leaves and the absence of such pressure in the

Card 1/2

USSR / Plant Physiology. Water Regimen.

I-3

Abs Jour : Ref Zhur - Biol., No 22, 1958, No 99948

frozen leaves. In addition, the water-retaining forces of live leaves are in all cases greater than those of dead leaves. The author emphasizes the nominal nature of terms "free" and "combined" water and points to the necessity of noting the strength of the water-removing factor when determining the combined water. The most complete characteristic of the state of water in plants according to two parameters -- capacity and intensity -- is the curve expressing the relationship between the quantity of combined and free water and the strength of the water-removing factor. Individual points on that curve also characterize the breaking points of the water regime of cells -- the state of saturation with water, state of incomplete turgor, beginning of the loss of turgor, etc. Bibliography, 27 titles. -- Yu. L. Tsel'niker.

Card 2/2

NOVOKHATKA, D.A.; MATYUSHENSKIY, B.V.; TYURINA, M.K.

Reaction of phenol with 2-chloroprene in the presence of Friedel-Crafts catalysts. Zhur. VKHO 10 no.2:240 '65. (MIRA 18:6)

1. Severodonetskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektinogo instituta azotnoy promyshlennosti i produktov organicheskogo sinteza.

USSR/Plant Physiology. Cell Physiology

I-1

Abstr Jour : Ref Zhur - Biol., No 21, 1958, No 91284

Author : Tyulina M.M.

Inst : -

Title : The Significance of a Negative Turgor in Relation to the Water Retaining Ability of the Leaves

Orig Pub : Botan. zh., 1957, 42, No 7, 1057-1045

Abstract : This study investigates the relationship between the suction force (determined by the striae method according to Sharda-kov) and the osmotic pressure in the leaves of 15 species of Pamirian plants having different water contents. Considerable water deficiency was found in the leaves of the xerophytes *Artemisia skorniakowi* and *Eruotic ceratoides* in their natural state while the suction force exceeded the osmotic pressure. This is explained by the presence of a large amount of rigid tissues in the leaves which prevent the contraction of cell membranes. With the drying of the leaves the volume of the protoplasts decreases but they continue to

Card : 1/3

USSR/Plant Physiology. Cell Physiology

I-1

Abstr Jour : Ref Zhur - Biol., No 20, 1956, No 91284

adhere to the cell membranes. Negative turgor arises, because of which a considerable amount of water may be retained. In this case the suction force exceeds the osmotic pressure by the intensity of the negative turgor. Elimination of the turgor takes place with plasmolysis which can be induced by infiltrating the leaves with saccharose solutions. The absorbing ability of the infiltrated leaves is lowered considerably but even in this case it exceeds the intensity of the osmotic pressure of the sap squeezed from dead leaves. Apparently, there are supplementary forces in living leaves which retain the water. In the plants of moist habitat - *Clitelymus nutans*, *Beegaya simplex* and *Carex orbicularis* the role of the negative turgor is diminished with respect to the retaining of the water by the leaves. Under normal conditions the turgor pressure in the leaves of these plants is positive. The experimental data obtained confirms the theory expressed by D.M. Sabinin and V.S. Shardakov (1949,

Card

: 2/3

USSR/Plant Physiology. Cell Physiology

I-1

abs Jour : Ref Zhur - Biol., No 20, 1958, No 91284

Timiriazev Readings, IX) concerning the limitations of the area in which the equation $S = P - T$ can be applied. --
Yu.L. Tsel'niker

Card : 3/3

COUNTRY : USSR
CATEGORY : PLANT PHYSIOLOGY. Heat Regins. I
ANS. FOUR. : PLANT PHYSIOLOGIYA, NO. 4, 1959, No. 15300
AUTHOR : Tyulina, M.M.
INST. : AS Tadzhik SSR
TITLE : Investigation of Frost-Resistant Plants in the Environment of the High Mountains of Pamir.
ORIG. PUB. : Tr. AN TadzhSSR, 1957, 57, 125 str., ill.
ABSTRACT : During 1949 - 1952 frost resistance was determined in 53 species of wild plants and 20 species of cultivated plants growing in various zones of Pamir. Determination of frost resistance was conducted by means of freezing the plants in a cold chamber (mixture of ice and salt) with several temperatures at intervals of 1 - 2 degrees for 14 - 16 hours. For the freezing temperature a criterion was established in which half of the

CARD: 1/6

28

COUNTRY
CATEGORY

PLANT PHYSIOLOGY.

I

RES. JOUR. : 5EF ZHUR - BIOLOGIYA, NO. 4, 1959.

IS. 15300

AUTHOR
TITLE

ORIG. NUM. :

ABSTRACT

Plants were injured after 1 - 2 days. Plant
vegetation on Pamir began during the period
of frequent night frosts, and plant resistance
at this time was very high. In the summer
period when frosts were rare, resistance fell
(freezing temperature from -5 to -10 degrees),
but it remained higher in species which
started vegetation earlier. With the onset
of fall frosts resistance again began to rise,
a number of plants, not capable of a strong

REF:

2/6

COUNTRY :
 AGENCY : PLANT PHYSIOLOGY
 ART. JOUR. : BIOLOGIYA, NO. 4, 1959, No. 1534
 AUTHOR :
 TITLE :
 DATE :

ORIG. PUB. :

ABSTRACT : increase in resistance, passed the entire cycle of development in the very warm period. Cultivated plants in the Pacific environment raised their resistance, but it yielded significantly to the resistance of local forms. Change in resistance of the plants followed changes in the temperature. Freezing led to an increase in resistance. However, in the morning hours immediately after a frost the resistance was minimum; maximum resistance

CARD: 3/6

COUNTRY :
CATEGORY :

PLANT PHYSIOLOGY.

I.

ABS. JOUR. : REF ZHUR - BIOLOGIYA, NO. 4, 1959.

NO. 15300

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT

occurred in the daytime and evening hours; shading of the plants decreased the daytime maximum. In order to establish the cause of frost resistance of Pamir plants a correlation was made of the relative humidity, amount of ice, bound water by the calorimetric method, proteins and carbohydrates. A simple relation between frost resistance and the indices enumerated above was not successfully established. Resistance of young

CARD:

4/6

COUNTRY :
 CATEGORY : PLANT PHYSIOLOGY. I
 PAGES. HOUR. : REF ZHUK - BIOLOGIYA, NO. 4, 1959, No. 15300
 AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : Leaves was determined primarily by their in-
 creased resistance to dehydration and ice
 penetration. In old leaves it was chiefly due
 to increased water-retention ability (*Xylo-
 stylium obliquum*) or to the general lowering
 of humidity (*Artemisia parviflora*). High
 temperatures bringing about the death of
 plants there occurred a sharp decrease in
 the amount of bound water (in dry weight
 percents). Injury to the leaves by other

CARD: 5/6

COUNTRY
CATEGORY

PLANT PHYSIOLOGY.

I

AES. JOUR.

REF ZHUR - BIOLOGIYA, NO. 4, 1959,

AUTHOR

No. 11300

RES.
TYPE

ORIG. PUB. :

ABSTRACT

agents (high temperature, chloroform, also led to a reduction in the amount of bound water. The difference in the content of bound water between live and dead leaves was greater in young leaves than in old ones. The authors concluded that the divergence in the amount of bound water between live and dead leaves was determined by changes in the structure of proteins in the root system, which led to liberation of part of the bound water. -- G.L. Niyachko-Gurvich

WORD:

6/6

TYURINA, M.M.

Studying frost-resisting properties of alpine Pamirs plants in connection with the contents of nonfreezing water. Izv.Otd.est.nauk AN Tadzh.SSR (MLRA 9:10)
no.1:33-40 '52.

1.Institut botaniki Akademii nauk Tadzhikskey SSR. Pamirskaya biestantsiya.
(Pamirs--Plants, Effect of temperature on)

TYURINA, M.M.

Determining water retaining ability of plant tissues [with summary in English]. Fiziol. rast. 4 no.4:378-384 Jl-Ag '57. (MLBA 10:9)

1. Pamirskaya biologicheskaya stantsiya Akademii nauk Tadzhikskoy SSR, Murgab.

(Plant cells and tissues)

TYURINA, M. H.

"Investigation of the Frost Resistance of Plants in the Pamir Highlands." Cand Biol Sci, Inst of Botany, Acad Sci USSR, Leningrad, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

TYURINA, M.P.

To thee, our beloved country. Prom.koop.no.11:21 N '56. (MLRA 9:12)

1. Zaveduyushchiy skladom arteli "1-ya mebel'naya fabrika."
(Old age pensions)

USSR / Human and Animal Physiology. Blood.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41178.

Author : ~~Tyurina, N. A.~~

Inst : Saratov Zootechnical Veterinary Institute.

Title : Oxyhemoglobin, in Peroxidase Aminoacids. Oxidation in Vitro.

Orig Pub: Sb. nauchn. stud. rabot. Saratovsk. zootekhn. vet. in-ta, 1956, 1, 151-155.

Abstract: Investigations were carried out on the reactions of a fresh or secondarily recrystallized preparation of crystalline HbO_2 , obtained from ox blood. Crystalline HbO_2 in phosphate solutions (pH7.3) assists in the peroxidase deamination of glycocoll, dl-glutaminic acid, l-tristophane, histidine, l-tyrosine, dl-alanine, and lysine. Oxidase deamination in the presence of a phosphate solution of

Card 1/2

45

USSR / Human and Animal Physiology. Blood.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41178.

Abstract: crystalline HbO₂ was observed, under conditions of aeration, with glycocoll, d-glutaminic acid l-thyrosine, dl-alanine and histidine. -- A. D. Beloborodova.

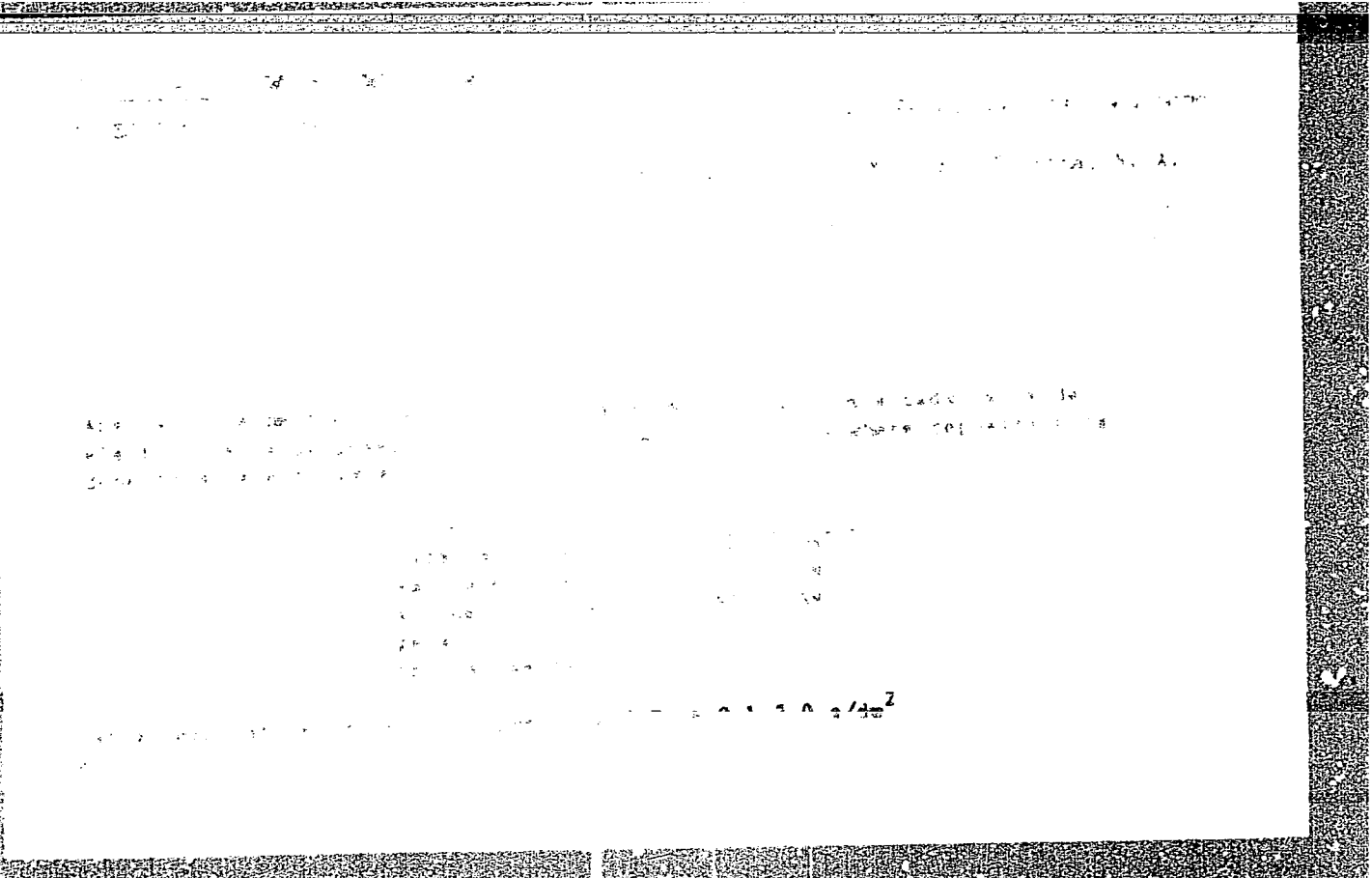
Card 2/2

TYURINA, N.A.

"Oxyhemoglobin in Peroxidase Oxidation of Amino Acids," by N. A. Tyurina, Sbornik Nauchnykh Studencheskikh Rabot Saratovskogo Zootekhnicheskogo Veterinarnogo Instituta (Collection of Scientific Student Works of the Saratov Zootechnical Veterinary Institute), Vol 1, 1956, pp 150-156 (from Referativnyy Zhurnal -- Khimiya, Biologicheskaya Khimiya, No 6, 25 Mar 57, Abstract No 5941)

The capacity of crystalline oxyhemoglobin (I) obtained from bull's blood for the peroxidase oxidation of a series of amino acids was studied. The results of the investigation showed that (I) was capable of peroxidase deamination of glycine, DL-glutamic acid, L-tryptophane, and histidine (dihydrate). (U)

54M-1374



FYURINA, N.I., assistant

Results of the histological study of the uterine wall in the cicatrical area after repeated cesarean sections. Akush. i gin. 39 no.5:97-102 S-0 '63. (MIRA 17:8)

1. Iz kafedry akusherstva i ginekologii (zav. -- prof. S.L. Keylin) Novosibirskogo meditsinskogo instituta.

VOLKOVA, Z.D.; TYURINA, N.M.

Neurinoma of the oral cavity. Stomatologiya no.1:49-50 Ja-F '55.
(MLRA 8:5)

1. Iz kafedry patologicheskoy anatomii (zav. prof. B.I.Migunov) i
iz kafedry khirurgicheskoy stomatologii (zav. prof. A.I.Yevdokimov)
Moskovskogo meditsinskogo i stomatologicheskogo instituta (dir.
dotsent G.N.Beletskiy).

(MOUTH, neoplasma,
neuroma)

(NEUROMA,
mouth)

BESSONOVA-TYURINA, N.S., assistant; OBRAZTSOV, G.D., professor, direktor.

Penicillin therapy of infectious hepatitis in children. Vop.pediat. 21 no.4:
45-48 J1-Ag '53. (MLBA 6:10)

1. Kafedra detskikh bolezney Chelyabinskogo gosudarstvennogo meditsinskogo
instituta. (Hepatitis, Infectious) (Penicillin)

EXCERPTA MEDICA Sec.7 Vol.12/3 Pediatrics March 58

TYURINA, N.S.
714. CARDIOVASCULAR CHANGES IN CHILDREN WITH EPIDEMIC HEPATITIS (Russian text) - Tyurina N. S. - PEDIATRIIA 1957, 5 (9-12)
Tables 2

220 cases were observed. In the first preicteric period the pulse was frequently accelerated. In the period of jaundice in 51.2% systolic murmur, and arrhythmia were found. Fourteen of 25 ECGs showed sinus arrhythmia and deviation of the electrical axis. In children older than 3 yr. the pulse rate was normal or decreased and in 63.7% hypotension was stated. In younger children most frequently there was tachycardia. These changes usually disappeared in convalescence but systolic murmur persisted sometimes for a long period. Strączkowski - Białystok (L, 7)

RUDOL'F, Vladimir Vasil'yevich; TYURINA, N.S., retsenzent;
KOVALEVSKAYA, A.I., red.

[Production and use of citrus extracts for the soft
drinks industry] Proizvodstvo i ispol'zovanie tsitru-
sovykh nastoev dlia bezalkogol'noi promyshlennosti.
Moskva, Izd-vo "Pishchevaia promyshlennost'", 1964. 116 p.
(MIRA 17:b)

TYURINA, N.S., Cand Med Sci--(Sov) "Certain peculiarities in the clinical course of epidemic hepatitis (Fotkin's disease) in children and the function^s of the liver in this ~~process~~ ^{disease}." Stavropol, 1955. 20 pp (Stavropol State Med Inst), 200 copies (II, 31-55, 103)

-130-

GRANAT, Ye.Ye.; TYURINA, N.S.

Influenza in Chelyabinsk children in 1957. *Pediatria* 37
no.6:87 Je '59. (MIRA 12:9)

1. Iz kafedry detskikh bolezney Chelyabinskogo meditsinskogo
instituta.

(CHELYABINSK--INFLUENZA)

GRANAT, Ye.Ye. ; TYURINA, N.S.

Cancer in children. Vop. onk. 5 no.1:94-98 '59. (MIRA 12:3)

1. Iz kliniki detskikh bolezney (zav. - prof. Ye.Ye. Granat)
Chelyabinskogo meditsinskogo instituta (dir. - prof. G.D. Obrastsov)
Adres avtorov: g. Chelyabinsk, Meditsinskiy institut,
(NEOPLASMS, in inf. & child,
(Rus))

SHVARTS, A.G.; FROLIKOVA, V.G.; ARENZON, N.M.; TYURINA, V.S.

Basic requirements for rubber for the membranes of forming
and vulcanizing units. Kauch. i rez. 23 no.1:24-27 Ja '64.
(MIRA 17:2)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlen-
nosti.

BELYAYEV, Yu.D.; TYURINA, V.S.

Diphenylamine reaction in bronchial asthma in children. Vop. okh.
mat. i det. 6 no.7:31-33 J1 '61. (MIRA 14:8)

1. Iz kafedry propedevtiki detskikh bolezney (zav. - prof. N.I.Kozin)
Gor'kovskogo meditsinskogo instituta i Gor'kovskogo nauchno-issledovatel'-
skogo pediatricheskogo instituta (dir. N.P.Zhukova) Ministerstva
zdravookhraneniya RSFSR.
(ASTHMA)

MORGUNOV, I.N.; DRESLER, Ye.G.; TYURINA, Ye.S.

Summary of antigenic stimulation and ways of its utilization in the
production of antitoxic sera. Nauch. osn. proizv. bakt. prep. 10:
151-158 '61. (MIRA 18:7)

1. Kiyevskiy institut epidemiologii, mikrobiologii i gigiyeny.

4
SHVARTZ, A.G., FROLIKOVA, V.G., TYURINA, V.S., ALEKSANDROV, V.V.,
BOGUSLAVSKIY, D.B.

Perfecting the rubber mixture composition, based on butyl rubber,
for diaphragms in the formator-vulcanizers.

Report submitted for the 4th Scientific Research conference on the Chemistry
and technology of synthetic and natural rubber. Yaroslavl, 1962

USSR / Microbiology. Anaerobic Bacilli.

F-6

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72202.

Author : Tyurina, Ye. S.

Inst : Not given.

Title : Study of the Quantity of Antigen and Length of
Intervale for the Preparation of Tetanus Anti-
toxin.

Orig Pub: V. sb.; Anaerobnyye infektsii, Kiyev, Gosmedizdat
USSR, 1957, 44-48.

Abstract: No abstract.

Card 1/1

76

TYURINA, Ye.V.

Introducing some meadow saxifrage species in Western Siberia.
Trudy Bot.inst.Ser.6 no.7:99-101 '59. (MIRA 13:4)

1. Botanicheskiy sad Zapadno-Sibirskogo filiala AN SSSR,
Novosibirsk.
(Siberia, Western--Meadow saxifrage)

(circled)
TYURINA, Ye. V., Cand Biol Sci -- (diss) "Biological ~~bas~~ of cultivation of coriander and Moldavian dragonhead (*Dracocephalum*) under conditions of Novosibirskaya oblast." Novosibirsk, 1958. 18 pp (Tomsk State Univ im V. V. Kuybyshev), 120 copies (KL, 17-58, 107)

-21-

TYURINA, Ye.V.

Effect of planting time and methods on the essential oil
yield of the Moldavian dragonhead. Trudy Bot. sada Zap.-Sib.
fil. AN SSSR no.1:55-59 '56. (MIRA 14:7)
(Dragonhead) (Essences and essential oils) ;

KOROTAYEVA, M.M.; TYURINA, Ye.V.

Effect of the stage of vegetation and the time and methods of seeding on the quality of the aromatic oil in corianders and Moldavian dragonhead. Trudy TSSBS no.4:47-53 '60. (MIRA 15:4)
(Coriander) (Dragonhead) (Oilseeds)

TYURINA, Ye.V.

Comparative study on the wild Libanotis species in the Altai
Territory as a source for obtaining aromatic oil. Trudy TSSRS
no.4:61-68 '60. (MIRA 15:4)
(Altai Territory--Libanotis)

TYURINA, Ye.V.

Formation of fruiting organs in corianders. Trudy TSSBS no.5:
49-53 '61. (MIRA 15:3)
(Coriander)

SOLOV'YEV, P.Ye.; TYURINA-ZEYNALASHVILI, R.N.

Comparative characteristics of the organic matter in chestnut
and Solonets soils of the trans-Volga region. Vest. Mosk. un.
Ser. 6: Biol., pochv. 19 no.4:57-63 J1-Ag '64. (MIRA 17:12)

1. Kafedra pochvovedeniya Moskovskogo universiteta.

TYURINA-ZEYNALASHVILI, R.N.

Change in the composition of the humus in Chestnut and Solonets soils in the trans-Volga region under the influence of farming practices. Nauch. dokl. vys. shkoly; biol. nauki no.3: 202-207 '64 (MIRA 17:8)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo universiteta.

TYURINA-ZEYNALASHVILI, R.N.

Biological cycle of ash and nitrogen elements in the zone of
dry steppes and semideserts. Vest. Mosk. un. Ser. 6: Biol.,
pochv. 20 no.6:76-81 N-D '65. (MIRA 19:1)

1. Kafedra pochvovedeniya Moskovskogo gosudarstvennogo univer-
siteta. Submitted March 30, 1964.

FRAYFEL'D, Aleksandr Vladimirovich, kand. tekhn. nauk; MARKOV, Aleksandr
Sergeyevich, inzh.; TYURNIN, Georgiy Aleksandrovich, inzh.;
MARGOLIS, S.M., inzh., retsensent; BOEROVA, Ye.N., tekhn. red.

[Design, installation, and operation of a contact network]
Ustroistvo, montazh i ekspluatatsiia kontaktnoi seti. Pod ob-
shchei red. A.V.Fraifel'da. Moskva, Transzheldorizdat, 1962.
411 p. (MIRA 15:7)

(Electric networks) (Electric railroads)

KOSENKO, B.F.; TYURKIN, B.P.; RASTEGAYEV, L.G., red.; BORSHCHEVSKAYA,
S.I., red.

[Handbook on motorcycles, motor scooters and motorbikes;
design, maintenance and repair] Spravochnaia kniga po mo-
totsiklam, motorolleram i mopedam; ustroistvo, obsluzhiva-
nie i remont. Leningrad, Lenizdat, 1965. 450 p.
(MIRA 18:7)

TYURKIN, M.N.

Method for designing screw feeders. Nanch. soob. IGD 12:
232-242 '61. (MIRA 15:9)

(Hydraulic conveying)

FROLOV, A.G., doktor tekhn.nauk; BORISENKO, L.D., kand.tekhn.nauk;
FYURKIN, M.N., inzh.; ZHILIN, A.M., inzh.; RABINOVICH, Yu.M.,
inzh.; POLOSUEHIN, A.Ya., inzh.

Loading machines for high-pressure hydraulic conveying of
coal and rocks. Ugol' Ukr. 3 no.10:13-16 0 '59.
(MIRA 13:2)

(Hydraulic mining) (Mine haulage)

USSR
KOSENKO, B.F.; TYURKIN, V.P.; SHEPILANKO, V.G.; KOCHUROV, N.I.,
kand. tekhn. nauk, dots., reitsenent; PROLOV, A.A., kand.
tekhn. nauk, reitsenent; SAFRONOV, S.P., inzh., red.;
YURKEVICH, M.P., inzh., red. izd-va; PETERSON, M.M., tekhn.
red.

[Soviet-made tractors]Otechestvennye traktory; spravochnik.
Moskva, Mashgiz, 535 p. (MIRA 16:2)
(Tractors--Design and construction)

KAMINSKIY, I.N., kand. ekon. . nauk; LABKOVSKIY, B.Ye., kand. ekonom. nauk; FETEROVICH, I.I., kand. tekhn. nauk; PINSKIY, S.Ye., inzh.; TYURKINA, N.I., inzh.; KHODOS, G.I., inzh.; KHELEMENDIK, V.G., inzh.; LERNER, Yu.I., inzh.

Problem of a standard structure of management, standard staffs, and norms on the number of engineers, technicians and employees in coal mines. Ugol' 40 no.8:60-65 Ag '65.

(MIRA 18:8)

1. Institut gornogo dela im. A.A. Skochinskogo (for all except Khodos, Khelemendik, Lerner). 2. Donetskii nauchno-issledovatel'skiy ugol'nyy institut (for Khodos, Khelemendik). 3. Gosudarstvennyy institut po proyektirovaniyu shakht v yuzhnykh rayonakh SSSR (for Lerner).

E 14432-65 EWT(1)/T/EEC(t)-2 IJP(e)/ASN(e)-5/APWL/AS(mp)-2/RSD(gs)/
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vibrations is analyzed in detail. It is concluded that the results

ASSOCIATION: INSTITUT FIZIKI I ASTRONOMII AN Est SSR, TARTU (Insti-
tute of Physics and Astronomy, AN Est SSR)

SUBMITTED: 10Mar64

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L 23526-66 EWT(l)/EWT(m)/T/EWP(t) IJP(c) CG/JD

ACC NR: AT6008335

SOURCE CODE: UR/2613/64/000/027/0099/0107

AUTHOR: Kristofel', N. N.; Tyurkson, E. E.

ORG: none

TITLE: Calculation of vibration frequency and lattice distortions near a vacancy pair in potassium chloride ²⁷

SOURCE: AN EstSSR. Institut fiziki i astronomii, Trudy, no. 27, 1964. Issledovaniya po teorii tverdogo tela (Research on the theory of solids), 99-107

TOPIC TAGS: crystal lattice vibration, crystal lattice distortion, crystal lattice vacancy, potassium chloride, vibration frequency, approximation method

ABSTRACT: The authors use the quasimolecular ^{21, 44, 55} approximation method, developed originally for impurity centers, to calculate lattice distortions and vibration frequency for ions near a vacancy pair in a sodium chloride type crystal. Only displacements of the closest neighbors around the vacancy pair are considered (there are 10 nearest ions) and the remaining ions are assumed to be fastened in equilibrium positions corresponding to an ideal crystal. The calculations are based on a cation-anion vacancy pair in KCl. It is found that the distortion of the lattice near the defect gives a symmetry of C_{4v} . The frequency of the actual vibrations near the defect is $2.03 \cdot 10^{13} \text{ sec}^{-1}$. The coupling energy of the vacancy pair is found to be 8.73 ev. The

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ACC NR: AT6008335

authors are grateful to A. I. Stekhanov who prompted the undertaking of this calculation. Orig. art. has: 2 figures, 11 formulas.

SUB CODE: 20/ SUBM DATE: 14Nov63/ ORIG REF: 007/ OTH REF: 010

Card 2/2

ACCESSION NR: AP4028466

S/0181/64/006/004/1246/1248

AUTHORS: Kristofel', N. N.; Tyurkson, E. E.

TITLE: Computation of the properties of the pair vacancy in alkali halide crystal

SOURCE: Fizika tverdogo tela, v. 6, no. 4, 1964, 1246-1248

TOPIC TAGS: alkali halide crystal, crystal defect, pair vacancy, equilibrium point shift, ionic vibrational frequency, KCl crystal, induced dipole, ion dipole interaction

ABSTRACT: The properties of the pair vacancy, a structural defect of adjacent anion and cation commonly occurring in alkali-halide crystals, are investigated. The pair vacancy and its nearest neighbors are shown in Fig. 1. of the Enclosure. At sufficiently close neighboring ions, the electric field due to each of the two vacancies is non-zero. Thus, an ion-dipole interaction occurs between the charges of the defect and the induced dipoles. The interaction energy is given by

$$W_{ii} = -\frac{e^2}{2} \sum_i \beta_i \left(\frac{R_i}{R_i'} - \frac{R_i'}{R_i} \right)^2$$

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where β_s is the polarizability of the s-th ion, and R_s and R'_s are the distances from the centers of the vacancies to the s-th ion. Sufficient accuracy is obtained by considering only the 10 nearest neighbors and their remaining 34 nearest neighbors. The shift of the equilibrium position from that of the ideal crystal is shown in the figure for each of the 4 non-equivalent groups: 1; 2, 3, 4, 5; 6, 7, 8, 9; 10. An expression for this shift is given assuming the shift is directed along the coordinate axes as indicated in the figure, i. e., the attraction between ions of groups 2 and 6 is ignored. An equation for the vibrational frequency of the ions is also given. The form of the energy for pair vacancy formation is indicated, and numerical calculations are made for the KCl crystal. The authors are grateful to A. I. Stekhanov for discussions leading to the formulation of the computations. Orig. art. has: 25 equations and 1 diagram.

ASSOCIATION: Institut fiziki i astronomii AN ESSR, Tartu (Institute of Physics and Astronomy AN ESSR)

SUBMITTED: 28Nov63

DATE ACQ: 27Apr64

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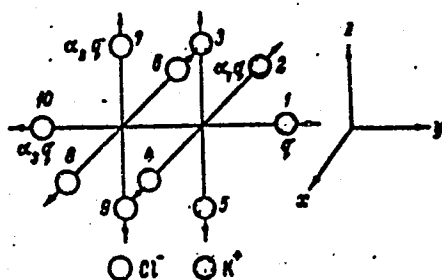


Fig. 1 : The pair vacancy and its closest neighbors in the KCl crystal.

Card 3/3

KRISTOFEL', N.N.; TYURKSON, E.E. [Turkson, E.]

Determining the properties of vacancy pairs in alkali metal
halide crystals. Fiz. tver. tela 6 no. 4:1246-1248 Ap '64.
(MIRA 17:6)

1. Institut fiziki i astroncmii AN Estonskoy SSR, Tartu.

METSIK, R.; TYURKSON, Kh. [Turkson, H.]

Study of corrosion in tar waters by means of the polarization
curve method. Khim. i tekhn. gor. slan. i prod. ikh perer
no.13:179-189 '64. (MIRA 18:9)

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TO : DIRECTOR, CIA

FROM : SAC, [illegible]

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TYURKYAN, R.A.

Treatment of acute dysentery in children by combined drug and immunotherapy. *Pediatrics* 36 no.11:41-46 N '58. (MIRA 12:8)

1. Iz kafedry pediatrii (zav. - prof. G.N. Speranskiy, nauchnyy rukovoditel' - prof. A.S. Rozental') Tsentral'nogo instituta usovershenstvovaniya vrachey.

(DYSENTERY) (ANTIBIOTICS)
(ANTIGENS AND ANTIBODIES)

BAKLANOVA, V.F.; ZVYAGINTSEVA, S.G.; ZUBKOVA, V.L.; TYURKYAN, R.A.

Staphylococcal pneumonias in infants. *Pediatrics* 38 no. 3:13-19
Apr '60. (MIRA 14:1)

(PNEUMONIA) (STAPHYLOCOCCAL INFECTIONS)
(INFANTS--DISEASES)

TYURKYAN, R.A., Laureat Leninskoy premii.

Rapid ventilation shaft sinking at the "Butovskaya - Glubokaya"
mine. Ugol' 32 no.8:17-23 Ag '57. (MLBA 10:9)

1. Glavnyy inzhener tresta Stalinshakhtoprokhodka.
(Donets Basin--Shaft sinking)

TYURKYAN, R.A., laureat Leninskoy premii

Classification and evaluation of modern shaft sinking process
flow sheets. Shakht.stroi. no.3:10-13 Mr '59. (MIRA 12:4)

1. Glavnyy inzhener tresta Stalinshakhtoprokhodka.
(Shaft sinking)

TYMUKYAN, R.A., laureat Leninskoy premii

World record set by the "Novo-Butovka" mine in sinking vertical shafts. Ugol' Ukr. 3 no.8:35-39 Ag '59. (MIRA 12:12)

1. Trest Stalinshakhtoprokhodka.
(Donets Basin--Shaft sinking)

< TYURKYAN, Raffi Armenakovich; GORLOV, Petr Ivanovich; ZORI, Anatoliy Stefanovich; AFONCHENKO, Vladimir Vasil'yevich; KLITSUNOV, V.I., otv. red.; CHECHKOV, L.V., red. izd-va; LOMILINA, L.N., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

[Information for worker on vertical shafts, shaft bottoms, and chambers] Pamiatka prokhodchika vertikal'nykh stvolov, okolostvol'nykh dvorov i kamer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. 71 p. (MIRA 14:7)
(Shaft sinking)

TYURKYAN, Raffi Armenokovich; ZORI, Anatoliy Stapanovich; D'YACHENKO, I.M.,
red.; SYCHUGOV, V.G., tekhn. red.

[Rapid shaft sinking with the KS-1M machine unit] Skorostnaia pro-
khočka stvola s kompleksom KS-1M. Kiev, Gos. izd-vo tekhn. lit-ry,
USSR, 1961. 53 p. (MIRA 14:10)
(Donets Basin—Shaft sinking—Equipment and supplies)

VOLOBUYEV, S.Kh., inzh.; TYURKYAN, R.A., inzh.

Working 290, 5M of a vertical shaft in one month. Shakht.
stroi. 7 no.12:1-6 D'63. (MTRA 17:5)

1. Trest Donetskshakhtoprokhodka.

TYURKYAN, R.A., inzh., laureat Leninskoy premii

Analyzing the basic parameters of boring and blasting
operations in vertical shaft sinking. Shakht.stroi. 9
no.11:8-12 N #65. (MIRA 19:1)

1. Gosudarstvennyy ordena Lenina trest Donetskshakhto-
prokhodka.

VOLOBUYEV, S.Kh., inzh.; TYURKYAN, R.A., inzh.; MARGULIS, Ye.M., inzh.

World record for sinking 3,901 meters of vertical shaft in one month. Shakht.stroi. 8 no.11:1-2 N '64.

(MIRA 18:1)

1. Trest Donetskshakhtoprokhodka.

~~TYURKYAN, R.A.~~; TIKHOMIROVA, A.V.; TAKAYSHVILI, Z.G.; BITKIN, L.N.

Use of colibacterin on children during their convalescence.
Vop.okh.mat.i det. 8 no.3:26-28 Mr '63. (MIRA 16:5)

1. Iz kafedry pediatrii (zav. - deystivitel'nyy chlen AMN SSSR
prof. G.N. Speranskiy) i klinicheskoy detskoy bol'nitsy No.9
imeni Dzerzhinskogo (glavnyy vrach A.N. Kudryashova).
(ESCHERICHIA COLI); (DYSENTERY)

GORODNICHEV, V.M., kand.tekhn.nauk; TYURKYAN, R.A., inzh.

"Supporting vertical shafts with solid concrete" by IU.Z.Zaslavskii.
Reviewed by V.M.Gorodnichev, R.A.Tiurkian. Shakht. stroi. 7 no.2:
31-32 F '63. (MIRA 16:3)
(Mine timbering) (Concrete construction) (Zaslavskii, IU.Z.)

TYURLAKOVA, L. P.

"Effect of the Temperature Factor of the Surroundings on the Restorative
Regeneration of Skeletal Muscle Tissue in Mammals." Cand Biol Sci, First Leningrad
Medical Inst, Leningrad Inst, Leningrad, 1954. (RZhBiol, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

TYURLIKOVA, L.P.

Reparative regeneration of skeletal muscle tissues in mice kept
under various environmental temperatures. Dokl. AN SSSR 105 no.1:
166-169 N '55. (MLRA 9:3)

1. Pervyy Leningradskiy meditsinskiy institut imeni I.P. Pavlova.
Predstavlene akademikom Ye.N. Pavlovskim.
(MUSCLE)

TYURLIKOVA, L.P. (Leningrad, Mokhovaya ul., 30 kv. 22); ZAKHAROVA, A.V.

Some features of posttraumatic muscle tissue under the administration of adenosine-triphosphoric acid. Arkh.anat.gist.i embr. 39 no.9:53-58 S '60. (MIRA14:1)

1. Kafedra biologii (zav. - prof. G.M. Litver) i kafedra biokhimii (zav. - prof. Yu.M.Gefer) I Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova. (MUSCLES) (REGENERATION (BIOLOGY))

ZAKHAROVA, A.V.; TYURLIKOVA, I.P.

Reparative regeneration of the skeletal muscle tissue during the administration of ascorbic acid and vitamin P preparations. Arkh. anat., gist. i embr. 46 no. 4:69-74 Ap '64.

(MIRA 18:5)

1. Kafedra biokhimi (zav. -- prof. Yu.M. Gafter) i kafedra obshchey biologii (zav. -- prof. G.M. Litver) 1-go Leningradskogo meditsinskogo instituta imeni akademika Pavlova. Adres avtorov: Leningrad, ul. L'va Tolstogo, 6/8; kafedra obshchey biologii i kafedra biokhimi I Leningradskogo meditsinskogo instituta imeni akademika Pavlova.

ZAKHAROVA, A.V.; TYURLIKOVA, L.P.; TKACHENKO, A.V.

Content of nucleic acids, ascorbic acid and some phosphorus compounds in guinea pigs during the reparative regeneration of skeletal muscles. Vop. med. khim. 7 no.6:608-614 N-D '61.
(MIRA 15:3)

1. Chairs of Biology and Biochemistry, "Academician I.P. Pavlov" First Medical Institute, Leningrad.

(MUSCLE)
(ASCORBIC ACID)

(NUCLEIC ACIDS)
(PHOSPHORUS COMPOUNDS)

MADANOV, P.V.; TYURMENKO, A.N.

Effect of plowing on the change in physical and chemical characteristics of Chernozem soils in Aktyubinsk Province. Nauch.dokl.vys.shkoly; biol.nauki no.4:185-191 '62. (MIRA 15:10)

1. Rekomendovana kafedroy pochvovedeniya Kazanskogo gosudarstvennogo universiteta im. Ul'yanova-Lenina.
(AKTYUBINSK PROVINCE--CHERNOZEM SOILS) (PLOWING)

TYURMENKO, G.O. [Tiurmenko, H.O.], kand.sel'skokhoz.nauk

Lupine, intertilled and sown in mixtures helps to increase the production of grain and protein feeds in Polesye. Visnyk sil'hozp. nauky 4 no.8:25-28 Ag '61. (MIRA 14:7)

1. Chernigovskaya gosudarstvennaya sel'skokhozyaystvennaya opyt'naya stantsiya.

(Polesye--Lupine)

L 2992-66 FSS-2/EWT(1)/FS(v)-3/FCC/EWA(d) TT/GS/GW

ACCESSION NR: AT5023643

UR/0000/65/000/000/0606/0614

AUTHOR: Dolginov, Sh. Sh.; Nalivayko, V. I.; Tyurmin, A. V.; Chincevoy, M. N. ⁷⁶₇₂

TITLE: Experiments in the world magnetic survey program

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 606-614.

TOPIC TAGS: geomagnetic field, geomagnetism, secular magnetic field, secular magnetic variation, artificial earth satellite, aeromagnetometer, proton magnetometer, PM 4 magnetometer, PM 5 magnetometer

ABSTRACT: A brief review is given of the various attempts to obtain a world-wide magnetic-field map. The use of artificial earth satellites to map the earth's magnetic field is shown to be the most efficient of the various methods used. For optimum efficiency in a single experiment, a satellite must have an orbit inclined to the equatorial plane by 85°, as had several of the Cosmos series. The low-number Cosmos series (such as Cosmos-26) carried proton magnetometers aboard, which essentially measure the frequency of proton-free precession in the earth's magnetic field. The disadvantages of this type of magnetometer were

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alleviated in the later Cosmos series (Cosmos-49) by using self-tuning magnetometers with logic circuits. One such device, designated PM-4, automatically selects and analyzes the optimum signal during a part of the free nuclear precession period of the proton. Two such devices on Cosmos-49, set 90° apart, had a measurement accuracy of 2-3 gauss. Magnetic field measurements were taken by both the Cosmos-26 and -49 vehicles at altitudes of 270-403 km and 270-490 km respectively, during March and October of 1964. Typical magnetograms from these measurements are shown separately. Recommendations are made for further scientific investigations with magnetic-field charts to better determine the earth's geomagnetic field and to correct the coefficients of the Gaussian series. (Orig. art. has: 4 figures. [04])

ASSOCIATION: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva, Moscow (All-Union Conference on Space Physics)

SUBMITTED: 02Sep65

44,55
ENCL: 00

SUB CODE: EE,SV

NO REF SCV: 005

OTHER: 004

ATD PRESS: 4110

Card 2/2 *md*

NALIVAYKO, V.I.; TYURMIN, A.V.; FASTOVSKIY, U.V.

FM-5 proton magnetometer for use in the field. Geomag. i aer.
2 no.2:343-347 Mr-Ap '62. (MIRA 15:6)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln AN SSSR.

(Magnetometer)

42137

S/203/62/002/002/013/017
I046/1236

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AUTHORS: Malivayko, V.I., Tyurmin, A.V. and Fastovskiy, U.V.

TITLE: Field proton magnetometer π M-5 (PM-5)

PERIODICAL: Geomagnetizm i aeronomiya, v.2, no. 2, 1962, 343-347

TITLE: The signal/noise ratio on the output of the new two-cycle paraphase amplifying circuit (see diagram) is 25:1 for a noise level that is approximately equal to the signal at the input; the total amplification factor $K=40,000$; the transmission band $\Delta F_{0.7} = 150$ cycles; wider range can be obtained by simple replacement of capacitors. The total error in measurements for 60,000 γ fields (γ the gyromagnetic ratio of the proton) is $\Delta T/T = 4.08 \cdot 10^{-3}\%$, or $\pm 2.5 \gamma$. General principles of the proton magnetometer operation are cited after Packard and Varian (Ref.1: M. Packard, R. Varian. Phys. Rev., 1954, 93, 941). There are 4 figures.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR (Institute of the Terrestrial Magnetism, the Ionosphere and Propagation of Radiowaves AS USSR)

SUBMITTED: January 16, 1962
Card 1/1

DOLGINOV, S.Sh.; YEROSHENKO, Ye.G.; PUSHKOV, N.V.; TYURMINA, L.O.

"Measuring of the Magnetic Fields of the Earth and Moon by Means
of Sputnik III and Space Rockets I and II."

report presented at the First International Space Science Symposium, Nice, France, Jan 1960.

National Academy of Sciences of the USSR,, Moscow.

TYURMINA, L. O., DOLOZHOV, S. S., KROKHIN, I. G., LITVIN, I. I., PAVLOV, I. I.

"Studies of the Magnetic Field of the Earth and the Moon."

report presented at the XI International Astronautical Congress, Stockholm, Sweden,
15-20 August 1960.

TURMINA, L.O.

Absoluta max 5581

PLANE 1 BOOK REPRODUCTION

501/1282

Zakusymov's Sputnik mail, 77p. 5 (Artificial Earth Satellites, No. 5) Moscow, Izdat. AN SSSR, 19 p. Extra slip inserted. 7,000 copies printed.

Step. M.I. L. V. Kuznetsov, M. of Publishing House M. I. Pechkin; Tech. M.I. O. N. Ostrov.

Abstract: The book is intended for scientists and engineers and scientific personnel working in the field of space travel and satellite flight.

Abstract: The collection of 10 articles deals with problems of satellite orbits, maps the measurements, relations, the visibility of space vehicles, the orbit elements, and orbital stations. No preconditions are mentioned. References accompany some of the articles.

Polidov, S. M., Ye. G. Prokhorov, L. N. Zingov, S. I. Pechkin, and L. O. Turmina. Inertial Measurements on the second (Soviet) Space Probe. 15

Vasov, S. I., A. Ye. Gorkunov, P. V. Vakhlov, M. I. Kozlov, and E. G. Pechkin. Radiation Measurement in the Flight of the second Space Probe. 24

Kuznetsov, L. V., V. I. Kozlov, L. A. Burdakov, and M. I. Pechkin. Investigation of Cosmic Radiation in the Flight of the second Space Probe to the Moon. 30

Shanov, G. S. Results of the Investigation of Neutronic Substances With the Help of Instruments Mounted in Space Probes. 38

Subbotin, A. V., and Dr. S. I. Pechkin. Some Problems of Control in Interplanetary Space. 41

Gorbunov, G. I. Dynamics of the Visibility Conditions of Space Probes. 49

Polidov, S. M. Concerning the Problem of the Formation of HO⁺ in the Upper Atmosphere. 60

Kuznetsov, L. V. Corrections of Signals from the Third Soviet Artificial Earth Satellite from Cape Canaveral. 66

Rozhnov, M. N., and G. V. Orlov. Change of the Altitude of the First Artificial Earth Satellite Resulting from the Action of External Forces. 71

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