

USSR/Cultivated Plants. Fodder Plants.

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68227

Author : ~~Proskura, I. P.~~

Inst : Ukr SSR Western Rayon Scientific Research
Institute of Agriculture and Animal Hus-
bandry.

Title : Initial Growing Strength as One of the
Indices of the Sowing Qualities of Lupine
Seed.

Orig Pub : Inform. byul. Nauk.-dosl. n-t zemlerobstva
i tvarinnitstva zakhidn. rayoniv URSR, 1957,
No 2, 45-46

Abstract : Experiments with blue low-alkaloid lupine have
shown that in seed collected from dense sowings
(sowing norm, 180 kilograms/hectare), the ini-

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Abs Jour : Ref Zhur-Biol., No 15, 1953, 68227

tial growing strength was 85-87.5 percent (of the total number of shoots on the soil surface) and the weight of 100 plants on the tenth day was 88.2-92.7 g; in seed taken from thinned sowings (sowing norm, 45-90 kilograms/hectare) the corresponding values were 75.5-84.5 percent and 82.6-84.5 g. In dense sowings, the yield is basically formed from the grain of the major stalks; in thinned sowings, the lupine branches out, as a result of which there is an increased percentage of undeveloped beans on the side branches. The ground germination of the seeds and the lupine yield are in direct relationship to the initial growing strength. When lupine was sown from seed

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68227

obtained from dense plantations, the ground germination was 77.3-80.0 percent, the yield, 10.4-11 centners/hectare, and when sown from seed obtained from thinned plantations, the corresponding figures were 70.0-75.4 percent and 9.3-9.5 centners/hectare. -- B. T. Konik

Card : 3/3

PROSKURA, I.P.

Effect of sowing methods and rates on the quality of blue lupine
seed. Pratsi Inst. agrobiol. AN URSR 7:78-83 '57. (MIRA 11:7)
(Lupine) (Sowing)

Cand
PROSKURA, I. P.: *Master Agric Sci (diss)* -- "The basic agrotechnical procedures for increasing the harvest and quality of the seeds of fodder lupine on weakly podzolic soils of L'vov Oblast". L'vov, 1958. 16 pp (Min Agric USSR, Belaya Tserkov' Agric Inst), 100 copies (KL, No 5, 1959, 15h)

PROSKURA, Il'ya Pavlovich; SICHEVSKIY, Y. [Sychevs'kyi, I.], red.;
HEDOVIZ, S., tekhnred.

[Forage lupine on collective farms; practices of forage lupine
growing in the Western Ukraine] Kormovyi liupyn u kolgospakh;
pro dovid vyroshchuvannia kormovoho liupynu v sakhidnykh
oblastiakh URSR. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1959.
39 p. (MIRA 14:1)
(Ukraine, Western--Lupine)

PHASE I BOOK EXPLOITATION SOV/3924

^{Kh.}
Proskura, H.F.

Hydrodynam'ka turbomashyn (Hydrodynamics of Turbomachinery) 3rd ed.,
rev. Kyiv, Vyd-vo AN URSR, 1959. 578 p. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrayins'koyi RSR.

Resp. Ed.: I.L. Rozovs'kyy, Candidate of Technical Sciences; Ed. of
Publishing House: L.O. Sokolovs'kyy; Tech. Ed.: N.P. Rakhlina.

PURPOSE: This is a textbook for students specializing in hydraulic
turbine construction at mechanical engineering schools and for
engineers engaged in turbine designing.

COVERAGE: The book contains general problems in hydrodynamics, hydro-
dynamical theory of the flow of nonviscous and viscous fluids through
lattices, and the general application of hydrodynamics to calcula-
ting axial-flow and Francis turbines and axial and centrifugal
pumps. Only the most fundamental information is given. No per-
sonalities are mentioned. There are 46 references: 20 Soviet
(4 of which are translations), 16 German, 4 English, 1 Ukrainian,
and 1 French.

~~Card 1/13~~

PROSKURA, M. S.

Cand Agr Sci - (diss) "Basic agro-reclamation measures in combating damping-off of oats on drained peat soils of the Ukrainian Forested Area." Kiev, 1961. 20 pp; (Ministry of Agriculture Ukrainian SSR, Ukr Academy of Agr Sci); number of copies not given; (KL, 10-61 sup, 222)

PROSKURA, O.V.

PROSKURA, O.V., dots. (Kiyev)

Development of urology in the Ukraine during the Soviet regime.
Nov.khir.arkh. no.5:42-45 S-O '57. (MIRA 10:12)
(UKRAINE--GENITOURINARY ORGANS--DISEASES)

PROSKURA, O.V., dots.

Surgical treatment of vesicovaginal fistulas caused by injuries. Ped.,
akush. i gin. 20 no.1:52-56 '58. (MIRA 13:1)

1. Urologicheskaya klinika (zav. - dots. O.V. Proskura) Kiyevskogo
instituta usovershenstvovaniya vrachey (direktor - zaslužennyy deya-
tel' nauki prof. I.I. Kal'chenko).
(FISTULA)

PROSKURA, O.V., dots.

Urological care of the population of the Ukrainian S.S.R.
Urologia, 23 no.1:79-80 Ja-F '58. (MIRA 11:3)

1. Glavnyy urolog Ministerstva zdravookhraneniya Ukrainskoy SSR.
(URINARY TRACT, dis.
prev. & control in Russia)

PROSKURA, O.V., dots. (Kiyev, ul. Krasnoarmeyskaya, d.43, kv.5)

Transplantation of the ureters to connect with the intestine
in cases of vesicovaginal fistula. Nov.khir.arkh. no.2:8-15
Mr-Ap '58 (MIRA 11:6)

1. Kafedra urologii (zav. - dots. O.V. Proskura) Kiyevskogo
instituta usovershenstvovaniya vrachey.
(URETERS--SURGERY)
(FISTULA)

PROSKURA, O.V., dots.

Surgical therapy of vesicovaginal fistulae. Urologia 24 no.5:8-13
S-0 '59. (MIRA 12:12)

1. Iz urologicheskoy kliniki (zav. - dots. O.V. Proskura) Kiyevskogo
instituta usovershenstvovaniya vrachey.
(VESICOVAGINAL FISTULA surg.)

FRYSHER, G.V., Doc Med Sci --(also)"Rationale of surgical
treatment of traumatic vesico-vaginal fistulae." Kiev, 1959.
17 pp (Kiev Order of Labor Red Banner Med Inst in honor A.A. Bog-
danovets), 250 copies (KI, 30-50, 121)

-44-

PROSKURA, O.V. dotsent (Kiyev, ul. Krasnoarmeyskaya, d.43, kv.5)

Some observations on A.I.Mikhelson's operation for ectopia
of the bladder. Nov.khir.arkh. no.1:81-84 Ja-F '59.
(MIRA 12:6)

1. Kafedra urologii (zav. - dotsent O.V.Proskura) Kiyevskogo
instituta usovershenstvovaniya vrachey.
(BLADDER--DISPLACEMENT)

PROSKURA, O.V., dots.

The urolithiasis. Nauka i zhyttia 10 no.8:46-47 Ag '60.
(MIRA 13:8)

(KIDNEY--DISEASES)

PROSKURA, O. V.

Honored Scientist Professor A. A. Chaika; on his 80th birthday.
Urologiia no.6:83-84 '61. (MIRA 15:4)

(CHAIKA, ANDRONIK ARKHIPOVICH, 1881)

ALAPIN, G.Ya., prof., red., (Khar'kov); GEL'FER, P.I., prof.,
red.; PINEVICH, M.V., dots., red.; POLONSKIY, B.L., prof.,
red.; PROSKURA, O.V., dots., red.; TSYBUL'SKIY, L.Ye.,
red.; NARINSKAYA, A.L., tekhn. red.

[Transactions of the Republic Conference of Urologists
(dedicated to the 150th anniversary of N.I.Pirogov's birth)]
Trudy Respublikanskoi konferentsii urologov (posviashchena
150-letiiu so dnia rozhdenia N.I.Pirogova) 27-29 iunia 1960.
Gosmedizdat, USSR, 1962. 386 p. (MIRA 16:12)

1. Respublikanskaya konferentsiya urologov Ukrainskoy SSR,
1960.

(UROLOGY)

POLONSKIY, B.L., prof., red.; PROSKURA, O.V., dots., red.; ALAPIN, G.Ya., prof., red.; GEL'FER, P.I. (Kiev), red.; PINEVICH, M.V., dots., doktor med. nauk (Vinnitsa); TSYBUL'SKIY, L.Ye., red.; NARINSKAYA, A.L., tekhn. red.

[Transactions of the Ukrainian Conference of Urologists devoted to the 150th anniversary of N.I.Pirogov's birth, held June 27-29, 1960] Trudy Ukrainskoi respublikanskoi konferentsii urologov, posviashchena 150-letiu so dnia rozhdenia N.I. Pirogova, 1960. Kiev, Gosmedizdat USSR, 1962. 386 p. (MIRA 16:3)

1. Ukrainskaya respublikanskaya konferentsiya urologov, posvyashchena 150-letiyu so dnya rozhdeniya N.I.Pirogova, 1960.
2. Glavnyy urolog Ministerstva zdravookhraneniya Ukr.SSR (for Proskura).

(UROLOGY--CONGRESSES)

PROSKURA, O.V., prof. (Kiyev)

Enlarged Plenum of the Board of the Ukrainian Society of
Urologists. Urologia 28 no.3:74-76 '63 (MIRA 17:2)

73

PROCESSES AND PROPERTIES INDEX

73

The effect of copper fertilizers on sugar-beet yield on drained peat soils of the Ukraine S. S. R. S. S. P. *Izv. Vsesoyuzn. Nauch. Tsentr. Ser. Khim. i Biol. Nauki* 1968, 10, 252 (1968). Spring application of chalcocyanide at 300 kg. per hectare on drained peat soil (pH 8.2-8.3) in the Supoi Marsh, Soviet Ukraine, increased the yield of sugar beets 3270 and 5845 kg. per hectare in 1937 and 1938, resp., the increase in the sugar being 718.5 kg. per hectare in 1937. The use of 450 kg. per hectare in 1938 gave an increase of 6920 kg. in 1938 and is the recommended amt. for spring treatment, but 300 kg. per hectare is probably enough if added during the autumn plowing. Oden E. Shennod

METALLURGICAL LITERATURE CLASSIFICATION

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NM NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

PROSKURA, S. S.; TROYTSKIY, A. V.

Supoy Swamp - Agriculture

Reclamation of the Supoy Swamp. Korm.baza 3 No. 9, 1952

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

PROSKURA, S. S.

"The Effect of Cuprous Fertilizers on the Yield of Agricultural Plants on the Reclaimed Peat Soils of the Ukrainian SSR." Cand Agr Sci, Inst of Hydraulic Engineering and Soil Improvement, Kiev, 1953. (RZhBiol, No 7, Dec 54)

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

PROSKURA, Z.V.

Agrochemical characteristics of main peat bogs in the western regions of the Ukrainian S.S.R. and efficient ways to use peat as fertilizer. Geog. zbir. no.7:53-66 '63. (MIRA 17:12)

USSR / Cultivated Plants. Plants for Technical Use. M-5
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 15, 73088.

Author : Khomenko, O. D.; Proskura, Z. V.

Inst : Not given.

Title : Use of Precarpathian Kainite for Non-Root Feeding
of Sugar Beets.

Orig Pub: Inform. byul. Nauk.-dosl. in-t zemlerobstva i tvar-
innitstva zakhidn. rayoniv URSR, 1956, vyp. 1, 28-
31.

Abstract: in addition to K, kainite also contains Mg, S and
other elements and is soluble in water. Spraying
sugar beets on 15 August with a 3% solution of kain-
ite, especially with a 10% solution P_0 , increases
the root harvest by 5-5% and saccharinity by 0.3-
0.5%. -- G. N. Miroshnichenko.

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LAZARENKO, A.S.; KHOMENKO, A.D. [Khomenko, O.D.]; PROSKURA, Z.V.; DUDNIK,
V.N. [Dudnyk, V.M.]; NECHIPORUK, M.Ye. [Nechyporuk, M.Yu.]

Effect of menilite shales on growth and certain physiological
processes in farm crops during their initial stages of development
according to the data obtained in plant culture experiments in 1951.
Pratsi Inst. agrobiol. AN URSR 2 [pt. 2]:33-53 '53. (MIRA 11:7)
(Shale)
(Field crops)

PERRO, V.V.; PROSKURENKO, S.I.; CHUPRINA, G.T.; VOZIYANOV, V.I.

Using the USB-2 at the No.2 "Kontarnaia" Mine. Ugol' Ukr. 7
no.10:25 0 '63. (MIRA 17:4)

1. Normativno-issledovatel'skaya stantsiya kombinata Artemugol'.

PROSKURENKO, V., inzh.

Heat-insulating panels for roofs of apartment houses.
Zhil. stroi. no.10:2-3 '65. (MIRA 18:11)

PROSKURENKO, V.G.

Some problems in improving the organizational forms of the
construction industry. Sbor. nauch. rab. DVNIIS no.3:191-
195 '62. (MIRA 17:5)

PROCESSES AND PROPERTIES INDEX

a-4

BC

Activity of phosphatases from mycelium of *Aspergillus oryzae* at different time intervals of growth. N. PROKORIANOV (Microbiol. U.S.S.R., 1955, 8, 22-26).—The activity of the enzyme varies with the stage of growth of the mould, 4-day cultures being 2-5 times as active as 24-day cultures. Ch. Abs. (p)

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM DOMESTIC

LA	MA	TA	CA	PA	SA	DA	GA	HA	JA	KA	LA	MA	NA	OA	PA	QA	RA	SA	TA	UA	VA	WA	XA	YA	ZA

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

B-III-4

BC

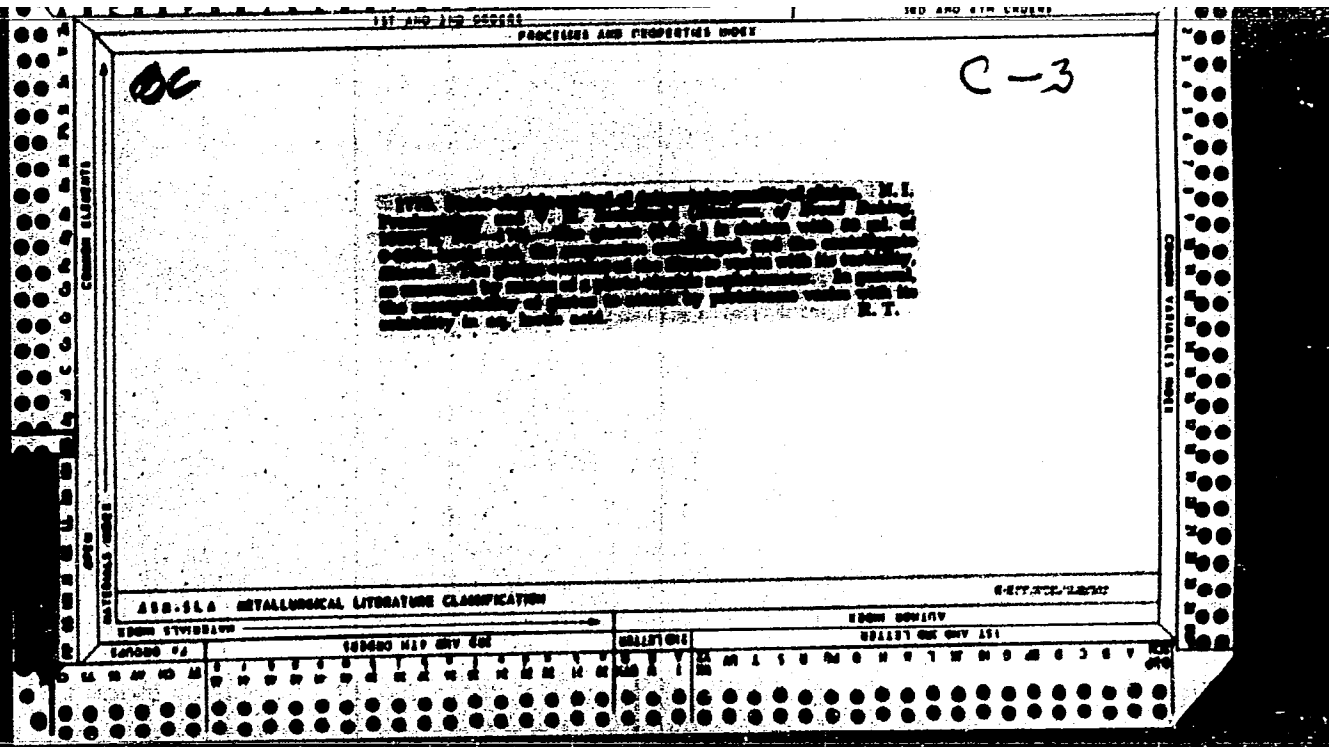
Summary treatment of paper in a series of papers by G. G. ...
 ... A. E. Oyster, H. J. ... and L. A. ... (Comp. ...)
 ... of the ... increases the digestibility of the ...
 ... giving ... of a better quality in higher yield ...
 ... results were obtained by treatment with ...
 ... of ... together with the ...
 ... in ... using the natural enzymes of ...
 ... in the ... A considerable increase in the ...
 ... due to the action of the enzymes of the ...
 ... and ... of the cell walls followed by proteolytic ...
 ... The ... is ... with ...
 ... resulting in a small increment in H_2O -sol. N. H. G. R.

METALLURGICAL LITERATURE CLASSIFICATION

1969 000127

1969 000127

1969 000127



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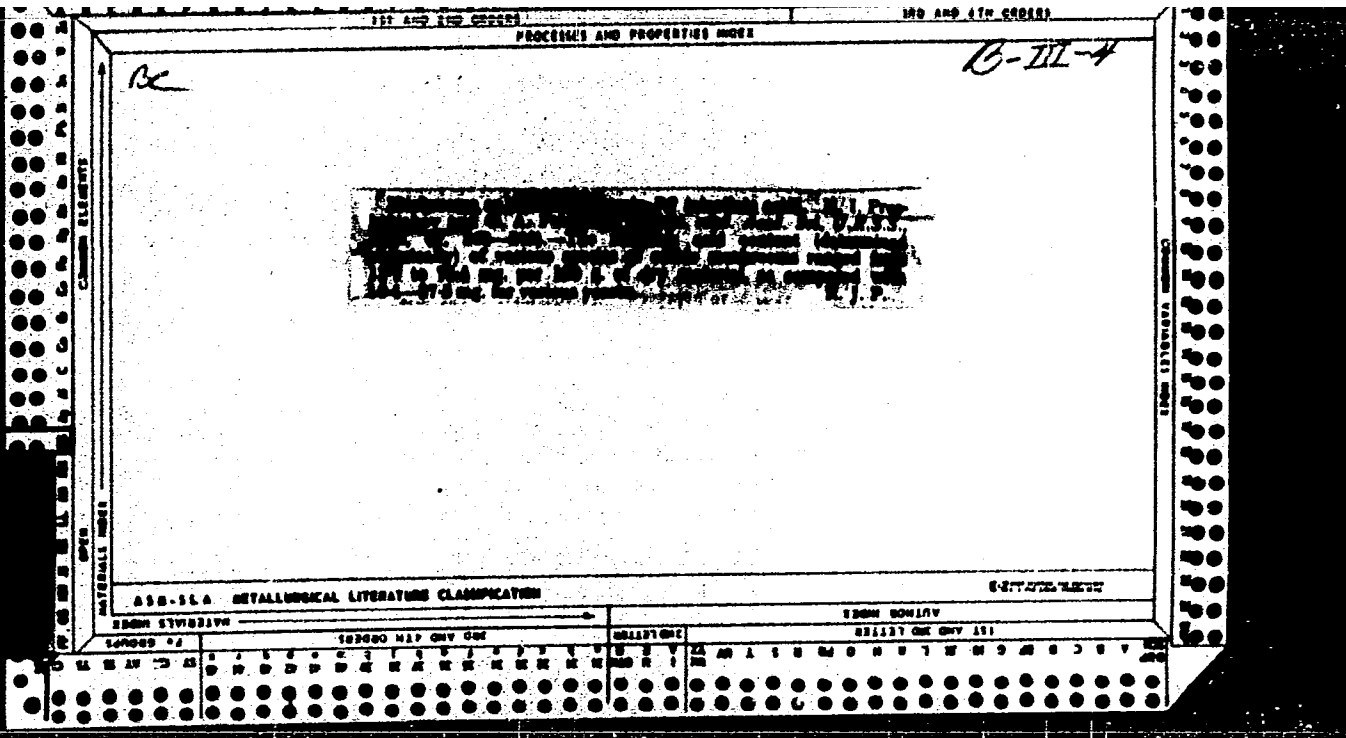
BC

Ascorbic acid and proteolysis in flour. K. J. Froelicher and O. A. Farkasova (Doklady, 1948, 4, 443-445)
 Ascorbic acid (I) is reversibly oxidized by an oxidase system of wheat flour which increases during germination of the grain. (I) activates proteolysis of flour and gluten by papain but does not affect autolysis, while dehydroascorbic acid (II) is an inhibitor. Both (I) and (II) act as flour improvers. R. M. W.

ASH. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH AND DEVELOPMENT

RESEARCH AND DEVELOPMENT



PROCESSING AND PROPERTIES INDEX

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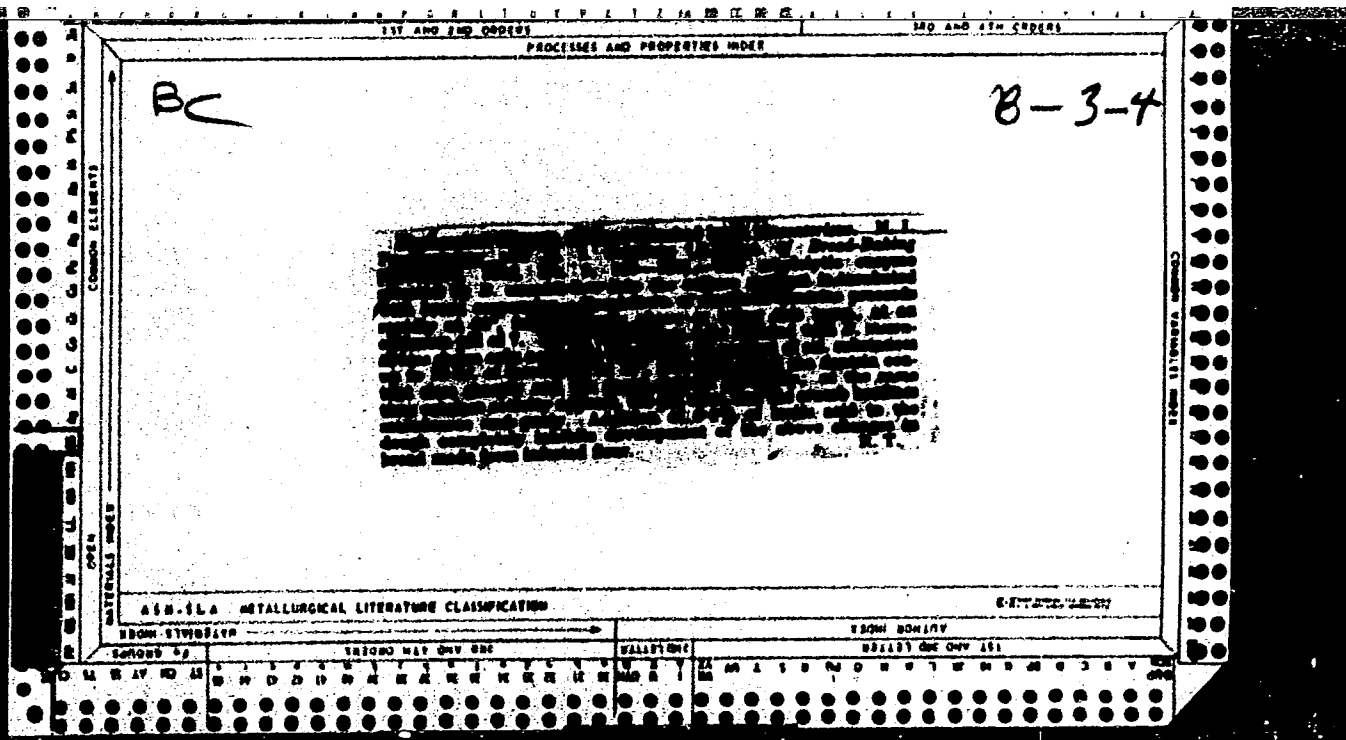
BC

B-2-4

Preparation and transformation of gluten. N. I. Pustoboyev, A. A. Buzdal, and V. M. Zaslavskii (*Doklady Akad. Nauk SSSR*, 1968, 8, 887-888).—Dispersions of gluten in dil. lactic acid are used to determine the degree of purity of the protein, to detect contamination with grain damaged by the wheat bug, to follow the changes which are undergone during proteolysis, and to examine the effects of heat, papain, cysteine, and H₂O₂. Examination of gluten from various sorts of wheat shows that quality always improves with storage, the proteolytic activity of the flour and the properties of the protein changing at the same time. W. McC.

ABB-51A METALLURGICAL LITERATURE CLASSIFICATION

SECTION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	SUBSECTION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	DIVISION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	SECTION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
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1ST AND 2ND DEGREE PROCESSES AND PROPERTIES INDEX 3RD AND 4TH DEGREE

BC

B-3-4

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND DEGREE	3RD AND 4TH DEGREE
1ST AND 2ND DEGREE	3RD AND 4TH DEGREE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS

IND AND 1TH ORDERS

PROCESSES AND PROPERTIES INDEX

A-4

Changes in protein-protein complex in germinating and sprouting wheat seeds. - N. J. Froelichov, A. A. Bundel, and E. V. Bucharina (*Biochimie*, 1941, 8, 247-254).—During maturing of wheat there is a gradual decrease in proteolytic activity from early milk- to full ripeness, which is due to simultaneous decrease in proteinase activity and increase in resistance of the proteins to enzymic hydrolysis. During germination of wheat the opposite series of changes is observed.

J. N. A.

COMMON ELEMENTS

MATERIALS INDEX

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

11 AND LETTER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

100 AND 1000 INDEX

100 AND 1000 INDEX

PROCESSES AND PROPERTIES INDEX

BC

Determination of stress in steel materials. N. I. Pruzhnikov and A. N. Koshovskaya (Moscow, USSR), *Metals*, 1960, 6, 628-630. — Chisov's method in a modified form is better than Fellberg's: it is more rapid and sufficiently accurate. R. L. E.

COMMON ELEMENTS

OPEN

MATERIALS INDEX

METALLURGICAL LITERATURE CLASSIFICATION

RIGHT BOW/UP

RIGHT BOW/DOWN

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROSKURIN, A., arkhitektor

Reconstruction of existing residential areas in cities. Zhil.
stroil. no.12:26-28 '60. (MIRA 13:11)
(City planning)

PROSKURIN, A.

Some conclusions drawn from practices of Gorkiy builders. Zhil.
stroil. no.7:4-5 '58. (MIRA 12:6)

1. Predsedatel' Ispolkoma Gor'kovskogo Soveta deputatov trudyashchikh.

(Gorkiy--Building)

PETROV, V.P., starshiy inzh.; LANKIN, G.M., inzh.; TITOV, V., inzh.;
SUSLOV, L., zhurnal'ist; PROSKURIN, A.M., zhurnal'ist; ITUNINA,
R.G., red.; SKRADZSKAYA, P.G., tekhn.red.

[Nikolai Manukovskii's new initiative] Novyi pochin Nikolaisia
Manukovskogo. Voronezh, Voronezhskoe knizhnoe izd-vo, 1960.
201 p. (MIRA 14:1)

(Farm mechanization)

POLYAKOV, V.Ye., kand.tekhn.nauk, dotsent; PROSKURIN, G.M., inzh.;
SKUTEL'NIKOV, V.I., inzh.

Application of the theory of switching circuits to problems of
power system control in courses of instruction. Izv. vys. ucheb.
zav.; energ. 7 no.3:19-25 Mr '64. (MIRA 17:4)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
Predstavlena kafedroy elektricheskikh stantsiy, setey i sistem.

PROSKURIN, G.M. (Sverdlovsk)

Analytical method for describing the operation of logical elements
with consideration of time. Avtom. i telem. 24 no. 6:844-849
Je '63. (MIRA 16:7)

(Switching theory)
(Electronic computers)
(Electric relays)

PROSKURIN, I.

PROSKURIN, I., kand.ekonom.nauk.

State grain milling in the Moldavian S.S.R. on the 40th anniversary
of the Great October Revolution. Muk.-evel.prom.23 no.8:24-25
Ag '57. (MIRA 10:11)

1. Kishinevskiy gosudarstvennyy universitet.
(Moldavia--Grain milling)

PROSKURIN, I.

Business accounting within the plant; from the practice of the
Kishinev Confectionery Plant. Den. i kred. 16 no.9:53-57 S '58.
(MIRA 11:10)

(Kishinev--Confectionery--Finance)

PROSKURIN, I.

PROSKURIN, I.

Improve the utilization of wage funds. Sots.trud no.8:68 Ag '57.
(MIRA 10:9)

(Wages)

KULYA, A., inzh.; PROSKURIN, I., dotsent

Modernizing flour mills and increasing the output of state grain
mills in the Moldavian S.S.R. Mik.-elev.prom. 25 no.12:19-20
D '59. (MIRA 13:4)

1. Tekhnicheskiy otdel Moldavskogo sovnarkhoza (for Kulya).
2. Kishinevskiy gosudarstvennyy universitet (for Proskurin).
(Moldavia--Grain milling)

PROSKURIN, I.F.

Large-sized brick well blocks in Siberian construction work. Bul.
stroit.tekh. 13 no.5:16-17 My '56. (MLRA 9:8)

1. Sibirskiy filial instituta Orgstroy.
(Krasnoyarsk--Building blocks)

PROSKURIN, I.G., kand.ekon.nauk; KULYA, A.I.

Oil industry of the Moldavian S.S.R. in the seven-year
plan. Masl.-zhir.prom. 26 no.2:1-3 F '60.
(MIRA 13:5)

1. Kishinevskiy gosudarstvennyy universitet.
(Moldavia--Oil industries)

PROSKURIN, I.G.

The Fourth All-Union Public Inspection of the fulfillment of Research
Plans and of the Introduction of Scientific and Technical achievements
in the National Economy. Mashinostroitel' no.4s46-47 Ap '65.
(MIRA 18s5)

PROSKURIN, I.G.,dots.

Put your capital investment in animal husbandry to good use.
Zhivotnovodstvo 21 no.1:85-86 Ja '59. (MIRA 12:2)

1. Moldavskiy gosudarstvennyy universitet.
(Moldavia--Stock and stockbreeding)

PROSKURIN, I.G.

PROSKURIN, I.G., kand. ekon. nauk.

Oil and fats industry of the Moldavian S.S.R. on the fortieth anniversary of the Great October. Masl.-zhir. prom. 23 no.11: 30-32 '57. (MIRA 11:1)

(Moldavia—Oil industries--History)

PROSKURIN, I.P.

Communication workers of the Crimea are improving the service for vacationers. Vest. svyazi 21 no.8:20-22 Ag '61. (MIRA 14:9)

1. Nachal'nik Krymskogo oblastnogo upravleniya svyazi.
(Crimea--Telecommunication--Employees)

L 33475-66 EWP(m)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/WH
ACC NR: AP6012318 SOURCE CODE: UR/0304/65/000/006/0022/0029

AUTHORS: Okun', A. M. (Engineer); Shchetinin, D. D. (Engineer); Proskurin, L. F.
(Engineer) //

ORG: none B

TITLE: Diamond wheel machining of cutting tools

SOURCE: Mashinostroyeniye, no. 6, 1965, 22-29

TOPIC TAGS: synthetic diamond, cutting tool, metal cutting, grinding, grinding machine

ABSTRACT: A committee for introducing synthetic diamonds into industrial use at the Kharkov Factory imen. Malyshev has been studying extensively the use of diamond wheels for grinding and finishing of hard alloy cutting tools. After a brief description of the types of grinders available at the factory (types 3A64M, 3B642, 3V642, 3B71M, 3V71MV, 3G71, 3B722, 3225, 3225B, 3A226, 3A227, 31228, 3P95 and 395M) and of a new grinder recently developed, the results of their experimental program with diamond wheels for cutting tool machining are presented. Curves are presented of the cutting ability (gm/min) and surface finish of AS25 to AS5 (grain size designations) diamond wheels cutting T5K10, T15K6, VK8, and VK6 alloy specimens. Wear curves for diamond wheel finished and unfinished drills (of alloy R18) are also presented which show reduced wear of finished drills. A composite table is presented of the cutting

Card 1/2

UDC: 621.9.038

L 33475-66

ACC NR: AP6012318

operations performed on various alloys, the cutting parameters (speed, depth of cut, and feed rate), tools and machines used and the corresponding increased life of diamond wheel finished cutters. In each case tool life was increased by a factor of 1.3--2. A lengthy discussion of the optimum grinding parameters for machining of various cutting tools (drills, cutters, etc) is also presented. Orig. art. has: 6 figures and 1 table.

SUB CODE: 13/

SUBM DATE: none

Card 2/2 *mg S*

OKUN', A.M., inzh.; SCHETININ, D.D., inzh.; PROSKURIN, L.F., inzh.

Diamond machining of metal-cutting tools. Mashinostroenie
no.6:22-29 N-D '65. (MIR- 18:12)

MOISEYKOV, S.F.; TOLSTENEV, V.S.; PROSFURIN, L.P.

Investigating Aligul of (Chelska Peninsula). Trudy Turk. fil.
VNII Part C no.6:113-123 *63 (NORA 17:7)

L 8102-66 EWT(m)/EWP(j)/EWA(h)/EWA(l)

ACC NR. AP5026459

SOURCE CODE: UR/0204/65/005/005/0715/0720

AUTHOR: Komarov, P. N.; Barelko, Ye. V.; Proskurin, M. A. (deceased)

ORG: Scientific Research Physico-chemical Institute im. L. Ya. Karpova
(Nauchno-issledovatel'skiy fiziko-khimicheskiy Institut)

TITLE: Radiochemical oxidation of butanol in aqueous solution at elevated temperature

SOURCE: Neftekhimiya, v. 5, no. 5, 1965, 715-720

TOPIC TAGS: aliphatic alcohol, gamma radiation, oxidation, oxidation kinetics

ABSTRACT: Effects of temperature, solution concentration and gamma⁶⁰Co radiation dosage on the kinetics of the radiochemical/oxidation of aqueous solutions of butanol were investigated. Changing the alcohol concentration from 0.053 to 0.76 mol/l changed the oxidation product yield only 15%. Increasing the reaction temperature led to the development of chain oxidation reactions. At temperatures above 100 C the chain reaction rate was only about an order less than in the oxidation of pure alcohol. The induction period was somewhat longer and the reaction rate during the induction period was 2-3 times less in the oxidation of aqueous solutions than in the oxidation of pure alcohol. During the initial period the reaction rate was

Card 1/2

UDC: 542.943+541.15:547.264

L 8102-66

ACC NR: AP5026459

3

proportional to the irradiation dosage, indicating the radiochemical yield is practically independent of dosage rate. "We thank V. L. Tal'roz for assistance in discussing the results." Orig. art. has: 4 figures, 1 table and 7 equations

SUB CODE: OC, TD/ SUBM DATE: 25Apr64/ ORIG REF: 012/ OTH REF: 005

Card 2/2 *sw*

NABIYEV, M.N.; PALETSKIY, G.V.; ANISIMKIN, I.G.; REBENKO, M.; KALININ, Ye.P.;
TROFIMOV, S.M.; VURGAFT, G.V.; POPOV, V.S.; KOROL', P.Z.;
KULIK, A.A.; KAL'MAN, L.A.; FARBER, S.I.; MATVEYEVA, M. Ye.;
GAVRILOV, V.S.; KADYROV, V.M.; IL'YASOV, A.I.; YAKUBOV, S.G.;
PROSKURIN, M.P.; NESTERENKO, A.P.; DEZHIN, N.D.; KOCHEROV, V.,
red.; POPOV, V., red.; SALAKHUTDINOVA, A., tekhn. red.

[Chirchik, a city of major industrial chemical complexes]
Chirchik - gorod bol'shoi khimii. Tashkent, Gosizdat UzSSR,
1962. 82 p. (MIRA 16:6)

1. Chlen-korrespondent Akademii nauk UzSSR (for Nabiyev).
2. Rabotniki Chirchikskogo elektrokhimkombinata (for all except Nabiyev, Kocherov, Popov, V., Salakhutdinova).
(Chirchik—Chemical plants)

S/194/61/000/006/007/077
D201/D302

AUTHOR: Proskurin, Ye.A.

TITLE: Construction and diagrams of separate units of electric analogue ЭМСС-7 (EMSS-7)

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1961, 7-8, abstract 6 B58 (Tr. 1-y Mezhevuz. nauchno-tekhn. Konferentsii po elektr. modelirovaniyu zadach stroit. mekhan., soprotivleniya materialov i teorii uprugosti. B.M., Novocherk. politekhn. in-t, 1960, 116-119)

TEXT: The electric analogue EMSS-7 is used for evaluating bending moments, angles of rotation, angles of bending and other dimensions in the junctions of beams and frames, whose bars, under the action of external loads, undergo bending of torsional deformations. The machine utilizes the principle of the analogue balanced electric mesh grid. The technical specification of the analogue is given: ✓

Card 1/2

Construction and diagrams...

S/194/61/000/006/007/077
D201/D302

50 basic analogue-circuits of rods subject to bending, 20 analogue-circuits of rods subject to torsion, 15 circuits of bends, 55 current sources simulating loads with errors up to $\pm 5\%$, dimensions 1120 x 700 x 750 mm. A short description of circuit diagrams of the following elements of the analogue are given: 1) Rigidity characteristics; 2) Introduction of bending angles and of moments of difference of shear forces; 3) Loads; 4) Measuring; 5) Supplies. The sequence of operations on the analogue is described. 7 figures. 1 reference. [Abstracter's note: Complete translation]

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Card 2/2

PROSKURIN, N. V., CAND TECH SCI, "INVESTIGATION AND
DEVELOPMENT OF OPTIMAL ^{moder} PRACTICES OF ^{core} ~~BIT~~ DRILLING IN
KAZAKHSTAN. PART 1. BIT DRILLING." MOSCOW, 1961.
(MIN OF HIGHER AND SEC SPEC ED USSR, MOSCOW GEOL-PROS-
PECTING INST IM S. ORDZHONIKIDZE, CHAIR OF EXPLORATORY
DRILLING). (KL, 3-61, 219).

253

PROSKURIN, N.V.

SHAYLIKOV, P.S.; KAZANTSEV, G.V.; PROSKURIN, N.V.; RUSANOV, A.K., redaktor;
STEPANOVA, L.S., redaktor; POPOV, N.D., tekhnicheskij redaktor.

[Work practices in the spectrum analysis laboratory of the Geological Administration] Opyt raboty spektral'noi laboratorii geologicheskogo upravlenii. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane neдр, 1954. 1954. 26 p. (Trudy laboratorii geologicheskikh upravlenii, trestov, ekspeditsii i partii, no.5) (MLRA 10:4)
(Spectrum analysis)
(Chemical laboratories)

KOSTENKO, N.N.; ~~EROSKIRIN~~, N.V.; CHEBDAROV, N.M.

Using helicopters for geological surveying and prospecting.
Razved.i okh.nedr 22 no.7:32-38 JI '56. (MLRA 9:11)

1. Kazgeolupravleniye.
(Aeronautics in geology)

PROSKURIN, N.V.

Concerning A.K. Vetrov's book "Accidents in core drilling and methods for their prevention." Razved. i okh. nedr. 30 no.6:63-64 Je '64.
(MIRA 17:10)

1. Kazakhskiy nauchno-issledovatel'skiy institut mineral'nogo syr'ya Ministerstva geologii i okhrany nedr KazSSR.

PROSKURIN, N.V.; KUZ'MINA, N.K.; NIKITIN, O.M.

Effective drilling footage. Izv. vys. ucheb. zav.; geol. i razv.
7 no.4:137-140 Ap '64. (MIRA 18:3)

1. Kazakhskiy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya.

PROSKURIN, N.V.; KUZ'MINA, N.K.; NIKITIN, O.M.

Using the principle of labor consumption in the analysis of the technical and economic indices of exploratory drilling. Izved. i okh. nedr 30 no.12:34-35 D '64.

(MIRA 18:4)

1. Kazakhskiy nauchno-issledovatel'skiy institut mineral'nogo syr'ya Ministerstva geologii i okhrany nedr Kazakhskoy SSR.

PROSKURIN, Petr Vasil'yevich; ASSONOV, Georgiy Fedorovich [Assonov, H.];
MAL'TSEV, L.G. [Mal'tsev, L.H.], glavnyy red.

[Economic condition of workers in the U.S.A.] Ekonomichne
stanovyshche trudiashchyykh v SShA. Kyiv, 1960. 39 p. (Tova-
rystvo dlia poshyrennia politychnyykh i naukovykh znan' Ukrain's'koi
RSR. Ser.1, no.3). (MIRA 13:3)

(United States--Labor and laboring classes)
(United States--Cost and standard of living)

ACCESSION NR: AR4036341

8/0169/64/000/003/G016/G016

SOURCE: Referativnyy zhurnal. Geofizika, Abs. 3G119

AUTHOR: Proskuryakova, T. A.; Rykunov, L. N.

TITLE: Estimate of the intensity of regular microseisms in the USSR

CITED SOURCE: Sb. Seysmol. issledovaniya. No. 5. M., AN SSSR, 1963, 70-80

TOPIC TAGS: seismology, microseism, microseismic activity, microseismic storm, geophysical prediction

TRANSLATION: Using the bulletins of microseisms compiled at a number of seismic stations during the International Geophysical Year period the authors make an estimate of the intensity of regular microseisms for the territory of the USSR. The characteristics of intensity are the daily maximum amplitude A and the mean daily period T. Amplitudes were averaged for three seasons of the year, corresponding to different levels of world microseismic activity. There is a discussion of the most active sources of microseisms: Pacific Ocean, Atlantic Ocean, Black Sea, Caspian Sea, Mediterranean Sea, Lake Baykal and Lake Issyk-Kul.

Card 1/3

ACCESSION NR: AR4036341

For each station situated near a particular source the authors have determined the values of the functions $A = F(T)$, determining the mean seasonal level of microseisms for the particular period. The position of lines of equal mean intensity of microseisms, together with the mean seasonal amplitudes and frequency characteristics and graphs of the frequency of periods of microseisms form the basis for a statistical estimate of the microseismic activity of the source. On the basis of the well-known law of decrease of amplitude of microseisms with distance $A = A_0 e^{-\alpha(T)\Delta} \Delta^{-\frac{1}{2}}$, where Δ is distance from the source and $\alpha(T)$ is the absorption coefficient, the authors have studied the conditions for propagation and attenuation of microseisms; the example of one microseismic storm of 1-10 February 1958 is cited. The authors have established a dependence of the absorption coefficient $\alpha(T)$ on period for this storm. Overlays were constructed for determination of the mean intensity of microseisms of a particular period for each season and each individual source. By use of these overlays it is possible to determine the "contribution" of a particular source to the interference curve for any region. The maximum estimate of intensity of interference

Card 2/3

ACCESSION NR: AR4036341

of a particular period is obtained by summing these "contributions" from all the detected sources. At the same time it also is necessary to take local sources of interference into account. A necessary parameter for the developed method for prediction of the field of microseismic activity is an allowance for the relationship between the Rayleigh and Love components on the microseismic records. O. Korchagina.

DATE ACQ: 17Apr64

SUB CODE: AS

ENCL: 00

Card 3/3

~~PROSIBIL~~

On collective farms in Daghestan. Sel'.stroj. 12 no.5:3-4 My '57.
(MIRA 10:7)

1. Glavnyy inzhener Upravleniya po stroitel'stvu v kolxosakh pri
Sovete Ministrov Dagestanskoy ASSR.
(Daghestan--Farm buildings) (Reed (Botany))

PROSKURIN, V., starshiy leytenant

High morale for every soldier. Komm. Vooruzh. S11 46 no.16:65-69
Ag '65. (MIRA 18:8)

L 45673-66 EWT(l)/EWT(m)/EWP(w)/T/ENP(t)/ETI IJP(c) JD/HH/JJ
ACC NR: AP6021214 SOURCE CODE: UR/0294/66/004/003/0364/0368

AUTHOR: Trelin, Yu. S. (Moscow); Vasil'yev, I. N. (Moscow); Proskurin, V. B. (Moscow);
Tsyganova, T. A. (Moscow) 64
61
B

ORG: none

TITLE: Experimental data on the ²speed of sound in alkaline metals at temperatures up to 800°C 27

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 3, 1966, 364-368

TOPIC TAGS: acoustic waveguide, sound transmission, ~~alkali metal~~, sodium, potass-
ium

ABSTRACT: The present work discusses the method and results of measuring the speed of sound in sodium and potassium and three mixtures of these metals (69.4%, 53.1%, 28.5% of sodium in each mixture) at temperatures up to 800°C. The speed of sound was determined by an acoustic interferometer adapted to high temperature work and in chemically active substances by using steel acoustic waveguides. In all cases under investigation, the speed of sound was found to be a linear function of the temperature. The greatest speed was observed in pure sodium. The authors also computed the following quantities on the basis of the acoustic data and density: adiabatic and isothermal compressibilities, ratio of heat capacities at constant pressure to that at constant volume. These quantities were derived from the thermodynamic relations given in a seri-

UDC: 534.2.22:532.12 ¹⁶

Card 1/2

L 45673-66

ACC NR: AP6021214

es of equations. For the three alloys of Na and K, density relationship in terms of relative concentrations was derived from the empirical data. The measurement errors of these quantities are also given. This work was stimulated by the need of thermodynamic data for liquid metals needed in the design of the atomic energy power generators. Orig. art. has: 3 figures, 1 table, 5 formulas.

SUB CODE: 20/ SUBM DATE: 25Apr65/ ORIG REF: 005/ OTH REF: 003

Card 2/2 fv

PROSKURIN, V.F.

Proskurin, V.F. "On the possibility of representing the movement of the (str) satellite of Jupiter in accordance with Braun's analytical theory", *Bulleten' In-teoret. astronomii* (Akad. nauk SSSr), Vol. IV, No. 4, 1949, p. 169-205, -Bibliog: 12 items.

SO: U-3042, 11 March 53, (letopis 'nykh Statey, No. 10, 1949).

PROSKURIN, V.F.

Satellites—Jupiter

Problem concerning the stability of the motion of Jupiter's eighth satellite.
Biol.Inst.teor.astron. 4, no. 7(60), 1950.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, AUGUST 1952. UNCLASSIFIED.

PROSKURIN, V. F., MASHINSKAYA, T. I.

Jupiter (planet)-tables

Jupiter's heliocentric, orbital coordinates. *Biul. Inst. teor. astron.* 5 No. 1(64). 1951.

9. Monthly List of Russian Accessions, Library of Congress, August 1952. ~~1953~~, Uncl.

PROSKURIN, V. F.

are determined and a transition is made from the secular perturbations of the elements to those of the coordinates of Ceres. The method used for the determination of the secular perturbations is that of Gauss, modified by Hill, Halphen and Goryačev. In the final 8th Chapter the determination of constants of integration is carried out as outlined in Chap. 1 and the results on Ceres perturbations caused by the major planets are given in the form of certain tables.

4

PROSKURIN, V. F.

PROSKURIN, V.F.; MASHINSKAYA, T.I.

Representation of observations of Ceres taking into account perturbations
of the first order. Biul.Inst.teor.astron. 5 no.5:315-321 '53. (MLRA 7:6)
(Ceres (Planet))

PROSKURIN, V.F.

Problem of collision in O.IU.Smidt's example. *Biul.Inst.teor.*
astron. 5 no.7:429-434 '53. (MIRA 7:5)
(Problem of three bodies)

69850

SOV/35-59-9-6932

3.1420

Translation from: Referativnyy zhurnal, *Astronomiya i Geodeziya*, 1959, Nr 9, p 9 (USSR)

AUTHORS: Proskurin, V.F., Rumyantseva, L.I.

TITLE: Temporary Captures in the Three-Body Problem ¹²

PERIODICAL: Byul. In-ta Teor. Astron. AS USSR, 1959, Vol 7, Nr 4, pp 287 - 292
(Engl. résumé)

ABSTRACT: According to the studies of Shazi, a capture in the three-body problem is impossible in the case when one body moves around another along the ellipse, and the third one approaches it at a hyperbolic speed. However, the impossibility of capture in an infinite time interval does not exclude the possibility of capture in a limited but sufficiently large time interval. The possibility of such a temporary capture is proved by the example cited by the authors. The motion of the body of the zero mass was studied in the gravitational field of the Sun and Jupiter and the plane of the orbit of Jupiter. At the initial moment, the body is found in a close rapprochement to Jupiter ($\rho = 0.15$) and has a parabolic speed in relation to the Sun. In progressing motion the osculating orbit was found to be a hyperbola. Nineteen days after it

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X

Temporary Captures in the Three-Body Problem

69850
SOV/35-59-9-6932

started moving, its eccentricity amounted to 1.152 and its semi-axis to 13.1 A.U. In backward motion the orbit becomes elliptical. The integration for 97 years has been completed. At the end of this time interval, the big semi-axis and the eccentricity do not essentially vary, the motion remains elliptical with the eccentricity being 0.96 and the semi-axis 72.4 A.U. The ellipticity of the motion is maintained until the next close rapprochement, which will take place in 26,000 years. The problem being examined is related to the theory of the evolution of the orbits of comets.

S.G. Makover

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Card 2/2

PROSKURIN, V.F., dotsent.

Transitory captures in the three-body problem. Nauch. biul. Len.
un. no.33:5-6 '55. (MLRA 10:4)

1. Kafedra obshchey astonomii.
(Problem of three bodies)

PROSKURIN, V.F.

Temporary captures in the problem of three ~~bodies~~. *Bul. Inst. teor. astron.* 8 no. 4: 264-268 '62. (MIRA 16:6)
(~~Problem~~ of three bodies)

PROSKURIN, V.F.

Theory of the motion of Ceres. Part 2. Absolute second order
perturbations of Ceres relative to the perturbing masses. Trudy ITA
no.9:3-64 '62. (MIRA 15:12)
(Ceres (Plante)) (Perturbation)

S/035/62/000/011/011/079
A001/A101

244100

AUTHORS: Proskurin, V. F., Isakovich, L. A.

TITLE: Normal positions of the sixth satellite of Jupiter

PERIODICAL: Referativnyy zhurnal, *Astronomiya i Geodeziya*, no. 11, 1962, 14, abstract 11A104 ("Byul. In-ta teor. astron. AN SSSR", 1962, v. 8, no. 6, 421 - 428, French summary)

TEXT: The sixth satellite of Jupiter belongs to the group of satellites (sixth, seventh, tenth) whose orbits are very close. The theory of the seventh satellite was elaborated by S. S. Tokmaleva. however she did not compare it with observations and did not derive corrections to elements. The theory of the tenth satellite was construed by Ye. N. Lemekhova in analogy to the Delone theory of the Moon: it was compared with observations and improved elements were obtained, i.e., this theory has been completed. The new theory of the Jovian sixth satellite is calculated by V. F. Proskurin; expressions for perturbations of the satellite by the Sun are given, and the results of processing 212 observations of this satellite, reduced to 41 normal positions, are presented in this article. There are 5 references.

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

N. Yakhontova

PROSKURIN, V.F.

Solar inequalities in the motion of the VI satellite of Jupiter.
Bul. Inst. teor. astron. 6 no.1:25-45 '55. (MIRA 13:3)
(Satellites--Jupiter)

PROSKURIN, V.F.; BATAKOV, Yu.V.

First order perturbances in the motion of artificial satellites
caused by flattening of the earth. Isk. sput. zem. no.3:32-38
'59. (MIRA 12:12)
(Artificial satellites) (Mechanics, Celestial)

3.1420

69850
SOV/35-59-9-6932

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, p 9 (USSR)

AUTHORS: Proskurin, V.F., Rumyantseva, L.I.

TITLE: Temporary Captures in the Three-Body Problem 12

PERIODICAL: Byul. In-ta Teor. Astron. AS USSR, 1959, Vol 7, Nr 4, pp 287 - 292
(Engl. résumé)

ABSTRACT: According to the studies of Shazi, a capture in the three-body problem is impossible in the case when one body moves around another along the ellipse, and the third one approaches it at a hyperbolic speed. However, the impossibility of capture in an infinite time interval does not exclude the possibility of capture in a limited but sufficiently large time interval. The possibility of such a temporary capture is proved by the example cited by the authors. The motion of the body of the zero mass was studied in the gravitational field of the Sun and Jupiter and the plane of the orbit of Jupiter. At the initial moment, the body is found in a close rapprochement to Jupiter ($\rho = 0.15$) and has a parabolic speed in relation to the Sun. In progressing motion the osculating orbit was found to be a hyperbola. Nineteen days after it

Card 1/2

X

Temporary Captures in the Three-Body Problem

69850

SOV/35-59-9-6932

started moving, its eccentricity amounted to 1.152 and its semi-axis to 13.1 A.U. In backward motion the orbit becomes elliptical. The integration for 97 years has been completed. At the end of this time interval, the big semi-axis and the eccentricity do not essentially vary, the motion remains elliptical with the eccentricity being 0.96 and the semi-axis 72.4 A.U. The ellipticity of the motion is maintained until the next close rapprochement, which will take place in 26,000 years. The problem being examined is related to the theory of the evolution of the orbits of comets.

S.G. Makover

✓

Card 2/2

S/035/60/000/011/003/010
AC01/AC01

13.2000

Translation from: Referativnyy zhurnal, *Astronomiya i Geodeziya*, 1960, No. 11,
p. 18, # 11029

AUTHORS: ~~Proskurin, V.F.~~ Batrakov, Yu.V.

TITLE: Perturbations in the Motion of Artificial Satellites due to Earth's
Oblateness

PERIODICAL: Byul. In-ta teor. astron. AN SSSR, 1960, Vol. 7, No. 7, pp. 537-
548 (Engl. summary)

TEXT: Expressions, in letters, are derived for first-order perturbations
in the elements of artificial satellite orbits with a precision of up to first
degree of Earth's oblateness and fifth degree of eccentricity, including. Coef-
ficients of these expressions depend on inclination by means of finite trigono-
metric polynomials. Moreover more precise expressions are given for the secular
perturbations of first order in the node longitude, perigee argument and mean
anomaly. Secular nodal motion is determined with allowance for second-order

Card 1/2

S/035/60/000/011/003/010
A001/A001

Perturbations in the Motion of Artificial Satellites due to Earth's Oblateness

perturbations due to Earth's oblateness. A numerical example is cited which illustrates the comparative magnitudes of perturbations.

Author's summary

√B

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

PROSKURIN, V. I.

PHASE I BOOK EXPLOITATION

SOV/4424
SOV/60-S-7(90)

Akademiya nauk SSSR. Institut teoreticheskoy astronomii

Byulleten', tom 7, no. 7(90) (Bulletin of the Institute of Theoretical Astronomy, Academy of Sciences USSR, Vol. 7, No. 7(90)). Moscow, 1960. 501-579 p.
Errata slip inserted. 1,000 copies printed.

Resp. Ed.: G.A. Chebotarev, Professor; Tech. Ed.: V.T. Bochever.

PURPOSE: This publication is intended for astronomers and those interested in astronomy.

COVERAGE: The publication contains 8 articles dealing with artificial celestial bodies and related theoretical problems. Observations of earth satellites and their orbits, motion, and perturbations are discussed, and calculations relating to the earth's oblateness are given. The articles are accompanied by summaries in English, French, or German. References follow most of the articles.

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Bulletin of the Institute of Theoretical Astronomy (Cont.)	SOV/4424	
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