

SINOVICH, V.A.

YERSHKOVICH, I.G., prof.; SINOVICH, V.A., aspirant

Use of armine in glaucoma. Oft.zhur. 13 no.2:94-98 '58. (MIRA 11:4)

1. Iz kliniki glaznykh bolezney (zav.-prof. I.G.Yershkovich)
Khabarovskogo meditsinskogo instituta.
(GLAUCOMA) (ARMINE)

YERSHKOVICH, I.G.; SINOVIKH, V.A.

Therapeutic effect of ginseng in glaucoma. Trudy Khab.med.inst.
no.20:187-192 '60. (MIRA 15:10)

1. Iz kliniki glaznykh bolezney (zav. prof. I.G.Yershkovich)
Khabarovskogo meditsinskogo instituta.
(GINSENG) (GLAUCOMA)

SINOVICH, V.A., aspirant

Therapeutic action of phosarbin in glaucoma. Opt. zhur. 16 no.1:
43-48 '61. (MIRA 14:3)

1. Iz glaznoy kliniki (zav. - prof. I.G.Yershkovich) Khabarovskogo
meditsinskogo instituta. (THIOPYROPHOSPHORIC ACID)
(GLAUCOMA)

SINOVICH, V.A., assistant

"Organisation of the nurse's work in an ephthalmic department" by
N.G.Gel'dfel'd. Reviewed by V.A.Sinevich. Med. sestra 20 no.7:
52-54 J1 '61. (MIRA 14:10)

1. Iz Arkhangel'skogo meditsinskogo instituta.
(OPHTHALMIC NURSING) (GEL'DFEL'D, N.G.)

SINOVICH, V.A.

Development of ophthalmology in the Far East. Vest. oft. 76
no.3:83-86 My-Je '63. (MIRA 17:2)

1. Kafedra glaznykh bolezney (zav. - dotsent T.K. Aniserova)
Khabarovskogo meditsinskogo instituta.

57 11/11/64
FILATOV, A. N., SINOVSKIY, P. V.

Results in application of a fibrin membrane and filaments in neurosurgery; dynamics of absorption of fibrin filaments in the nerve. Vopr. neirokhir. 14:6, Nov.-Dec. 50. p. 25-9

1. Of the Surgical Division (Head -- Prof. A. N. Filatov) and the Pathalogo-Anatomic Division (Scientific Director -- Prof. P. V. Sipovskiy), Leningrad Order of the Red Banner of Labor Scientific-Research Institute of Blood Transfusion (Scientific Director -- Prof. A. N. Filatov).

GLML 20, 3, March 1951

Accessed

SINOV'YEV, G.A. [deceased]; SAVCHENKO, Ye.N.

Crane flies (Diptera, Tipulidae) of the Amur-Zeya interfluve and their distribution in different landforms. Ent. obozr. 41 no.3:554-571 '62. (MIRA 15:10)

1. Zoologicheskii institut AN SSSR, Leningrad i Institut zoologii AN UkrSSR, Kiyev.
(Amur Valley—Crane flies) (Zeya Valley—Crane flies)

Л. П. ПЕВН, -

1

Л. П. П.
.R93016

О ПРАКТИЧЕСКИХ ВОПРОСАХ ПОСОБИЯ ПРИ ЧИТЕНИИ ЛЕКЦИЙ. МОСКВА, ИЗДА-
ВО ЗНАНИЕ, 1952. 15, (1) П. (ВСЕСОЮЗНОЕ ОБЩЕСТВО ПО РАСПРОСТРАНЕНИЮ
ПОЛИТИЧЕСКИХ И НАУЧНЫХ ЗНАНИЙ. 1952, СЕРИЯ 3, №. 12) "ЛИТЕРАТУРА":
П. (16)

SINSKAYA, E. K.

"The Ecotype-doctrine in Light of the Phylogeny of Higher Plants." (p.1) by Sinskaya
E. K.

SO: Advances in Contemporary Biology (Uspekki Sovremennoi Biologii) Vol. IX, No. 1
1938

SINSKAYA, E.N.

"The species problem in modern botanical literature." (p.326) by E.N. Sinskaya

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. IV, 1942, No. 3

SINCHAYA, T. N.

E. N. Sinskaya: "The problem of vegetative constitution and the characteristics manifesting same." (p. 131)

SO: Journal of General Biology Vol. 7, No. 2, 1944

SINSKAYA, E. N.

"On the Diploid Species of Yellow Alfalfa," Dok. AN, 48, No. 4, 1945. c1945-.

SINSKAYA, Evgenia Nikolaevna, 1889-

The dynamics of species. Moskva, Sel'khozgiz, 1948. 525 p.

SINSKAYA, YE., N.

25467 . SINSKAYA, YE., N.

Printsipy klassifikatsii kulbtrnykh rasteniy v svyazi s
zadachami vnutrividovy sistematiki. Botan. Zhurnal, 1948,
No. 1, S 148-50.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

SINSKAYA, E. W.

27666. SERGEEVA, V. N. i ODINTSOV, P. N.--k voprosu o lignine zhivnykh chastey racteniya. trudy in-ta lesokhoz. Problema (akad. nauk latv. SSR), vyp. 1, 1949, s. 181-86. rezyume na latv. yaz. - Bibliogr: 6 nazv. SINSKAYA, E. W. k peresmotru osnov filogeneticheskoy sistematike. - sm. 27808.

SO: Knizhnaya Letopis, Vol. 1, 1955.

SINSKAYA, YE. N.

27808. SINSKAYA, YE. N. — K peresmotru osnov filogeneticheskoy sistematiki.
Selektsiya i semenovodstvo, 1949, No. 9, S. 20-26

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949

SINSKAYA, E.N.

25826

Ustoychivost'lyuzerny k zabolevani yam v zavisimosti ot konstitutsii rasteniya, walogii sushchestvovaniya i protsessov starenniay i omolozheniya. Trudy po priick. Botanike, genetike i selektsii (Vsesoyuz, in-t rasteniievodstva), T. XXVII, vyn 2, 1949, s. 13-18.

SO: Letopis' No. 34

SINSKAYA, Ye.N.; TSITSIN, N.V., akademik.

Biological and physiological bases for the taxonomy of cultivated flax. Dokl.
AN SSSR 92 no.4:855-858 O '53. (MLRA 6:9)

1. Akademiya nauk SSSR (for Tsitsin). 2. Vsesoyuznyy nauchno-issledovatel'-
skiy institut maslichnykh kul'tur, Krasnodar (for Sinskaya). (Flax)

SINSKAYA, Ye.N.

Origin of wheat. Probl.bot. no.2:5-73 '55. (MIRA 8:11)
(Wheat)

SINSKAYA, Ye.N.

USSR/Cultivated Plants - Technical, Oil, and Sugar Plants. M-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10912

Author : Ed. Sinskaya, Ye.N.

Inst : All-Union Academy of Agricultural Sciences imeni Lenin

Title : Oil Crops in the Eastern Regions of the USSR (Collection of Articles).

Orig Pub : Krasnodar, "Sov. Kuban'", 1956, 182 pp. illus., free

Abstract : No abstract.

Card 1/1

22

~~SINSKAYA, Yevgeniya Nikolayevna, doktor biologicheskikh i sel'skokhozyaystven-~~
naykh nauk; PROFASVICH, D.S., redaktor; CHUNAYEVA, Z.V., tekhnicheskij
redaktor; MOLODTSOVA, N.G., tekhnicheskij redaktor.

[Annual forage crops in the southern U.S.S.R.] Odnoletnie kormovye
kul'tury iuga SSSR. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 284 p.
(MLRA 10:4)

(Forage plants)

USSR/Plant Physiology - Growth and Development.

I.

Abs Jour : Ref Zhur - Biol., No 23, 1958, 104399

Author : Sinskaya, Ye.N., Vorob'yeva, F.M., Pogorletsckaya, B.K.

Inst :

Title : Exploring the Interrelationship of Growth and Development in Higher Plants.

Orig Pub : Tr. po Pr. Botan. Genet. i Selektzii, 30, No 3, 75-124, 1957.

Abstract : Plants of various species were grown for various periods of time under individually suitable photoperiodic conditions (long-day plants on natural day in the summer in various regions of the European part of the USSR, and short-day ones, on 8-hour day), whereupon the long-day plants were exposed to short days (from 9 to 12 hours for different species), and the short-day plants, to natural day on their natural planting sites (towns of Pushkin and Khibiny for horehound, and Krasnodar for sesame). For the

Card 1/3

SINSKAYA, Ye.N.

The population problem in higher plants [with summary in English].
Vest. LGU 13 no.9:5-13 '58. (MIRA 11:6)
(Botany--Ecology)

SINSKAYA, Ye.N., prof., doktor biolog. i sel'skokhoz.nauk, red.

[Materials of a conference of postgraduate students and young researchers dedicated to the 21st Congress of the Communist Party of the Soviet Union] Materialy nauchnoi konferentsii aspirantov i molodykh nauchnykh sotrudnikov, posviashchennoi XXI s"ezdu Kommunisticheskoj partii Sovetskogo Sojusa. Pod red. E.N.Sinskoi. Leningrad, 1959. 140 p. (MIRA 13:5)

1. Leningrad. Vsesoyuznyy institut rasteniyevodstva.
(Agricultural research)

SINSKAYA, Ye.N.; MALHYEVA, Z.P.

Polyploidy in perennial alfalfa species. Bot.shur. 44
no.8:1103-1113 Ag '59. (MIRA 13:2)

1. Vsesoyuznyy institut rasteniyevodstva, Leningrad.
(Alfalfa) (Polyploidy)

17(4), 30(1)

SOV/20-128-4-59/65

AUTHOR: Sinskaya, Ye. N.

TITLE: The Phenological Spectra of Winter Lallemantia and Camelina

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 847-849
(USSR)

ABSTRACT: In 1956 the author sowed seeds (nucelli) of the wild-growing *Lallemantia rupestris* Sinsk. et Voskr. of Armenia on the one hand, and of winter *Camelina sativa*, called "Zarya sotsializma" from Oblast' Orenburg on the other, in several places of the experimental base of her institute in Krasnodar. The seeds of *Lallemantia* which flowered at the same time, were mixed, and in autumn 1956 they were separately sowed. In 1958 the time of flowering was recorded separately for each plant. Table 1 shows that the composition of the population is very similar in two neighboring parcels. On the whole the groups proved to be rather homogeneous as to their time of flowering. One part of the population of a remote parcel ripened relatively late. In this case the plants were more strongly heterozygotic. The three population fragments, however, hardly differ from one another. But they differ a lot from the *Camelina* population. The experiments with this plant were made in

Card 1/3

SOV/20-128-4-59/65

The Phenological Spectra of Winter Lallemantia and Camelina

analogy with those mentioned above. The population of winter Camelina proved much more complicated as to its biotypical composition. The phenological spectra of the whole Camelina population and of every individual group differ widely from those of Lallemantia (see above). With Camelina the shortest flowering period was 12 days for the descendants of one group, but for most groups it was 20 days. The longest period with this species was 24 days. Thus Camelina plants are more strongly heterocytotic than Lallemantia. This explains the long flowering period of 1958 of those Camelina plants which in 1957 flowered at the same time. The phenological spectra of the original populations and of the descendants of one individual plant, united after their flowering period, are very characteristic of populations of various plant species. The comparison of phenological spectra of different fragments of one individual population represents a method for the determination of their minimum areal. Such a method has not been worked out. The author's investigations are the first steps in this direction. There are 3 tables.

Card 2/3

SOV/20-128-4-59/65

The Phenological Spectra of Winter Lallemantia and Camelina

ASSOCIATION: Vsesoyuznyy institut rasteniyevodstva
(All-Union Institute of Plant Breeding)

PRESENTED: February 25, 1959, by V. N. Sukachev, Academician

SUBMITTED: February 22, 1959

Card 3/3

SHISHKIN, B.K., glavnyy red.; BARANOV, P.A., zamestitel' glavnogo red.;
BAKHTZEYEV, F.Kh., red.; SIMSLAYA, Ye.M., red.; LIPSHITS, S.Yu.,
red.; LEBKDEV, D.V., red.; YAKOVLEVA, V.M., red.izd-va; SMIRNOVA,
A.V., tekhn.red.

[Problems in evolution, biogeography, genetics, and breeding;
collection of articles dedicated to the 70th anniversary of
Academician N.I.Vavilov's birth] Voprosy evoliutsii, biogeo-
grafii, genetiki i selektsii; sbornik, posviashchennyi 70-letiu
so dnia rozhdeniia akademika N.I.Vavilova. Moskva, 1960. 335 p.
(MIRA 13:7)

1. Vsesoyuznoye botanicheskoye obshchestvo. 2. Chleny-korrespon-
denty AN SSSR (for Shishkin, Baranov).
(PLANTS, CULTIVATED) (GENETICS)

SINSKAYA, Ye.N.

Physiological analysis of varietal populations of the sunflower.
Fiziol. rast. 7 no.2:225-231 '60. (MIRA 14:5)

1. Scientific Research Institute of Oil and Essential Oil Plants,
Krasnodar. (Sunflowers) (Photoperiodism)

SINSKAYA, Ye.N.

"Variation in the apomictic microspecies of *Alchemilla vulgaris* L.," "Progeny tests in agamotypes with regard to morphological characters," "Geographical distribution and chromosome number," and "Observations on some clones and clone progenies in *Alchemilla alpina*". [in English] by G. Turesson. Reviewed by E.N. Sinskaya. Bot. zhur. 45 no.5:771-772 My '60. (MIRA 13:7)
(Ladysmantle) (Plants--Reproduction)

SINSKAYA, Ye.N.; BORKOVSKAYA, V.A.

Method of analyzing plant populations. Biul. MOIP. Otd. biol. 65
no.1:77-89 Ja-F '60. (MIRA 13:7)
(BOTANICAL RESEARCH)

SHCHENKOVA, M.S.; SINSKAYA, Ye.N., doktor biolog. i sel'skokhoz.nauk, otv.
red.; VAKHTIN, Yu.B., red.izd-va; KRUGLIKOVA, N.A., tekhn.red.

[Wild perennial forage plants of the Komi A.S.S.R. under natural
conditions and under cultivation] Dikorastushchie mnogoletnie
kormovye travy Komi ASSR v estestvennykh usloviiskh i v kul'ture.
Moskva, Izd-vo Akad.nauk SSSR, 1961. 177 p.

(MIRA 14:1)

(Komi A.S.S.R.--Forage plants)

ZAVADSKIY, Kirill Mikhaylovich; SINSKAYA, Ya.N., doktor biol.nauk, doktor
sel'khoz. nauk, otv. red; PETROVICHEVA, O.L., red.; VODOLAGINA, S.D.,
tekh. red.

[Studies on species] Uchenie o vide. Leningrad, Izd-vo Leningr. univ.,
1961. 253 p. (MIRA 14:12)

(SPECIES)

SINSKAYA, Ye.N.

Cultivated flora of ancient Mesopotamia. Izv.Vses.geog. ^{b-va 93}
no.5:395-40 S-0 '61. (MIRA 14:10)
(Mesopotamia--Plants, Cultivated)

VAVILOV, Nikolay Ivanovich, akademik; SUKACHEV, V.N., akademik, glav. red.; BARANOV, P.A., zam. glav. red. [deceased]; ZHUKOVSKIY, P.M., zam. glav. red.; BARULINA-VAVILOVA, Ye.I., red. [deceased]; BAKHTEYEV, F.Kh., otv. red. toma; SINSKAYA, Ye.N., otv. red. toma; IPAT'YEV, A.N., red.; RODIN, L.Ye., red.; YAKOVLEVA, V.M., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[Selected works in five volumes] Izbrannye trudy v piati tomakh. Moskva, Izd-vo Akad. nauk SSSR. Vol.3. [Problems of the geography, phylogeny, and breeding of wheat and rye. Plant resources and problems of the classification of cultivated plants] Problemy geografii, filogenii i selektsii pshenitsy i rzhi. Rastitel'nye resursy i voprosy sistematiki kul'turnykh rastenii. 1962. 531 p. (MIRA 15:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Baranov).
2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'sko-khozyaystvennykh nauk imeni V.I.Lenina (for Zhukovskiy).
(Wheat) (Rye)

SINSKAYA, Ye.N.

N.I.Vavilov as a geographer. Izv.Vses.geog.ob-va 95 no.1:23-31
Ja-F '63. (MIRA 16:4)

(Vavilov, Nikolai Ivanovich, 1887-1942)

SINSKAYA, E. N.

"Vavilov's law of homologous series in hereditary variation in the light of the latest botanical data."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

Inst of Plant Industry, Leningrad.

1964, No. 2.

Formation of species and new forms in the genus *Lactylis* L.
Bot. zhur. 49 no.2:177-184. F. '64. (MIR: 17:6)

L. Vassilyansky institut rasteniyevodstva, Leningrad.

SINSKAYA, Ye.N.; AZBEL', M.I., red.

[Problem of populations of higher plants] Problema populiatsii u vysshikh rastenii. Leningrad, Sel'khozizdat. No.2. [Categories and regularities of the variability in higher plant populations] O kategoriiakh i zakonomernostiakh izmenchivosti v populiatsiakh vysshikh rastenii. 1963. 122 p. (MIRA 17:11)

VAVILOV, Nikolay Ivanovich (1887-1943); KALESNIK, S.V., red.; DAVITAYA, F.F., red.; SINSKAYA, Ye.N., doktor biol. nauk, red.; STANKOV, S.S., doktor biol. nauk [deceased]; IVANOV, I.R., doktor sel'-k'oz. nauk, red.; PERVAKOV, I.L., red.; ZHURAVLEVA, G.P., mlad. red.; MATVEYEVA, G.Ye., mlad. red.; ARDANOVA, N.P., tekhn. red.

[Five continents] Piat' kontinentov. Moskva, Geografiz, 1962. 253 p.

1. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik). 2. Dey-
stvitel'nyy chlen Akademii nauk Gruzinskoy SSR (for Davitaya).
(Voyages and travels) (Phytogeography)

VOLCHOK, I.Z.; LEVICHEVA, M.M.; MIKAYLA, M.I.; SINUSHAS, A.I.

Practices in the use of milled sandy portland cement in the
manufacture of asbestos cement products. Trudy NIIAsbesttse-
menta no.17:85-89 '63. (MIRA 17:10)

HECKO, I., zapovedny vyakinyy pracovník; SINTAJ, M.; HLAVATY, J.; KUKURA, J.;
LIPKOVA, V.; SEVCIKOVA, A.; GRUNT, J.; GAZO, M.; MULLER, M.;
VALASEK, V.

Prevention of infections in nurseries. Bratisl. lek. listy 34 no.9:
1021-1045 Sept 54.

1. Z Krajskeho detskeho ustavu narodneho zdravia v Bratislave,
riaditel dr. A.Novak (for Hecko, Sintaj, Hlavaty) 2. Z Hygienickeho
ustavu LFPU v Bratislave, prednosta akademik V.Mach, a z Ustavu
hygieny, oblastneho ustavu pre Slovenko v Bratislave, riaditel doc.
dr. P.Macuch (for Kukura, Lipkova, Sevcikova, Grunt) 3. Z Ustavu
pre vyskum vyzivy ludu v Bratislave, prednosta dr. A.Bucko. (for
Gazo, Muller) 4. Z Vyskumneho ustavu epidemiologie a mikrobiologie
v Bratislave, riaditel dr. J.Karolcak, z oddelenia pre parazitologiu,
prednosta dr. M.Dziuban.

Spolupracovníci: a) z detskej kliniky: M.Krupska a skupina medikov
(v ramci studentskej tvorivosti), V.Bohmerova, M.Cernacek, V.Kovac,
D.Krivosova, M.Lickova, t.c. uz doktori mediciny. Pred zaciatkom
vyskumnej prace riaditel KUNZ dr. A.Novak vykonal instruktaz medikov:
b) z Hygieniko-epidemiologickej stanice UNV Bratislava M.Zatkova
c) z jasiel 1. na Blahovej ulici c.4.: M.Hlebakova (veduca sestra),
J.Benedekova, G.Skotnarova, A.Nozkova, M.Lukovicova, H.Oriskova,
V.Feherova; 2. na Feriencikovej ulici c. 6: H.Nemckova (veduca
sestra), M.Slobodova, N.Dobrotkova, A.Macenauerova, B.Stabelova.
(Continued on next card)

HECKO, I., zapovedny vyskimny pracovník; SINTAJ, M.; HLAVATY, J.; KUKURA, J.;
LIPKOVA, V.; SEVCIKOVA, A.; GRUNT, J.; GAZO, M.; MULLER, M.;
VALASEK, V.

Prevention of infections in nurseries. Bratisl. lek. listy 34 no.9:
1021-1045 Sept 54 (Card 2)

d)z Hygienickeho ustavu LF SU a z Ustavu hygieny: O.Cikova,
X.Rozholdova, L.Faragova, M.Jurcova, T.Orthova; e)z Ustavu pre
vyskum vyzivy ludu: M.Popik, A.Kohutova, L.Sintajova, M.Krcnava;
P.Ambrova, J.Kollarik, M.Asstalosova.

(COMMUNICABLE DISEASES, in infant and child,
prev. in nurseries)

(INFANTS,
nurseries, prev. of communicable dis.)

SINTAJ, M. MUDr.: KOSTOLNY, I. MUDr.

Congenital pulmonary arteriovenous aneurysms.
Cesk. pediat. 11 no.1:51-55 Feb. 56.

1. Z I. detskej kliniky UK v Bratislave, prednosta doc. MUDr I.
Jakubcova, ZII. chirurg. kliniky UK v Bratislave, prednosta prof.
MUDr. K. Siska.

(FISTULA, ARTERIOVENOUS,
congen. of lungs, diag. & surg.)
(LUNGS, fistula
arteriovenous congen, diag. & surg.)

TREGER, Prof. MUDr.; MOYS, A., MUDr.; MUZIKOVA, M., RND.; CIGVAREK, Z.,
MUDr.; IVASKO, L.; SINTAJ, M., MUDr.

Further experiences in the treatment of Leiner-Mossous disease with
potassium sulphate. Cesk.pediat. 11 no.2-3:145-148 Mar 1956.

1. Z dermatovenerlogicej kliniky UK v Bratislave, prednosta
prof. Dr. J.Treger z I. detskej kliniky UK v Bratislave,
prednosta doc. Dr I.Jakubcova.

(ERYTHRODERMA DESQUAMATIVUM, ther.
potassium sulphate)

(SULFATES, ther. use
potassium sulfate in erythroderma desquamativum)

(POTASSIUM
potassium sulfates, ther. of erythroderma desquamativum)

JAKUBCOVA, I.; SINTAJ, M.

Quantitative changes in serum albumin & globulin in acute rheumatism in children. Cesk. pediat. 12 no.12:1055-1061 5 Dec 57.

1. Katedra starostlivosti o dieta pri I. Detskej klinike, veduca doc. MUDr I. Jakubcova. Adres Autora: I. J. Detska Klinika Bratislava.

(RHEUMATIC FEVER, blood in albumin & globulin changes during course of dis. (Cs))

(SERUM ALBUMIN, in various dis. rheum. fever, changes during course of dis. (Cs))

(SERUM GLOBULIN, in various dis. same)

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

SINTAJ M.

623. ANATOMICAL AND FUNCTIONAL CHANGES AFTER LIGATURE OF PATENT DUCTUS BOTALLI - Vyhodnotenie anatomických a funkčných zmien po ligatúre ductus Botalli apertus - Šintaj M. and Jakubcová I. Kat. Starostlivosti o Dieťa pri I Detskej Klin. Lek. Fak. Univ. Komenského, Bratislava - BRATISLAVSKÉ LEKÁRSKE LISTY 1957, 37/11 (641-647) Graphs 1 Tables 1

The reduced maximal effort on the bicycle ergometer in children with patent ductus is mentioned. It is reduced also in children who do not present subjective complaints; it is most evidently reduced in the pubertal period, and represents on an average 30% of the maximal efficiency of healthy children. Even half a year after ligature of the patent ductus the maximal effort of children significantly increases, although it reaches the values of healthy children only in the 2nd year after ligature. (XVIII, 7, 9)

SINTAK, S.

PHASE I BOOK EXPLOITATION

Z/6284

Jerie, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines [collection of articles]). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končický.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

burning of fuel in combustion chambers, axial compressors, and characteristics of turbines manufactured in Czechoslovakia.

Basic Problems in the Construction (Cont.)

2/6284

9/10

V. Svoboda, J. Šinták, J. Feirfeil, and J. Měšťan (Prague Electrical Engineering Plant, Prague). Axial Compressors Manufactured by the Ceskomoravska Kolben Danek Electrical Equipment Plant

457

V. Polta and M. Vlasák (State Research Institute for Heat Engineering, Prague). Theoretical and Experimental Results of Studies on the Properties of Axial Compressors

485

M. Vlasák. Axial Compressors for High Pressure Ratios

499

R. Dvořák (Institute for Machine Research, Czechoslovak Academy of Sciences, Prague) and K. Celikovsky (Aviation Research and Testing Institute, Letňany). Flow in the Transonic and Supersonic Stage of an Axial Compressor

513

O. Buřata ("Jan Šverma" Plant, Jinonice). Inlet Air in a Radial Compressor at Transonic Flow Velocities

529

Card 7/8

2/2

L 18110-66 EWT(l)/EWT(m)/EWP(w)/EWP(f)/EWP(v)/T-2/EWP(k)/ETC(m)-6 WW/EM

ACC NR: AP6010355

SOURCE CODE: CZ/0032/65/015/003/0172/0179

AUTHOR: Sintak, J. (Engineer; Prague)

60
B

ORG: none

TITLE: Efficient blading of axial compressors

SOURCE: Strojirenstvi, v. 15, no. 3, 1965, 172-179

TOPIC TAGS: axial compressor, compressor blade, flow velocity, dynamic stress

2311.3

ABSTRACT: To obtain the highest possible efficiency in blading axial compressors, without exciting undue dynamic forces and stresses, it is necessary to keep the flow velocity within the subsonic range. Conventional methods of analyzing flow conditions and the conclusions drawn from them fail to produce the optimal solution. If new types of axial compressors are to have better properties and to operate more economically, it is necessary to apply new methods of calculating the blading as well as the whole unit. New formulas are presented which give smaller compressor dimensions, a longer service life for the blading, and outstanding efficiency. This paper was presented by M. Vlasak, Engineer, Candidate of Sciences. Orig. art. has: 9 figures and 25 formulas. [JPRS]

SUB CODE: 13, 20 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 004
SOV REF: 001

Card 1/1

UDC: 621.515: 621.81-253.5/.6

PALKO, Stefan, inz.; JEDLICKA, Josef, inz.; CHLUM, Antonin, inz.; VAVRA, Josef, inz.; SEKYRA, Jaroslav, inz.; SINTAK, Josef, inz.

Comments of people's committee agencies on important problems of the water resources management. Vodni hosp 12 no.11:443-455 N '62.

1. Okresni vodohospodarska sprava, Kromeriz (for Sekyra).

SINTAK, J., inz.; MULLER, B., inz.

Experience of the county water resources management agency
with investors. Vodni hosp 12 no.11:469-471 N '62.

1. Okresni vodohospodarska sprava, Chomutov.

SINTAK, J., inz.; ZITTA, F., inz.; MULLER, M., inz.

Activity of the Chomutov District Water Conservation Agency in
the 1962-63 winter. Vodni hosp 13 no.7:258-261 '63.

1. Okresni vodohospodarska sprava, Chomutov.

BOBOKHOVSKIY, L.A.; SINTSEROY, A.D., inzhener, redaktor; GEL'MAN, D.Ya.,
redaktor; GOLUBKOVA, L.A., tekhnicheskiy redaktor

[Preparation and assembling of self-flowing pipes and air ducts for
flour and grist mills equipment and supplies] Isgotovlenie i montazh
samotekhnicheskikh turb i vosdukhovodov na mel'nitsakh i kruposavodakh.
Pod red. A.D.Sintserova. Moskva, Izd-vo tekhn. i ekon. lit-ry po
voprosam sagotovok. 1955. 75 p. (MLRA 9:7)
(Flour mills)

SINTSEROV, A., inzhener

Textbook for higher schools of the food industry ("Ventilation equipment for grain elevators, mills and groats and feed plants." A.V.Panchenko. Reviewed by A.Sintserov).
Muk.-elev.prom. 21 no.4:30 Ap '55. (MIRA 8:7)

1. Ministerstvo zagotovok SSSR
(Grain--Storage) (Panchenko, A.V.)

Arkadiy Dmitriyevich
DORFMAN, Emmanuil Yefimovich, inzh.; ~~SINTSEROV, Arkadiy Dmitriyevich, inzh.;~~
OTSEP, S.A., kand. tekhn.nauk, red.; KRIVYAKIN, B.I., red.;

GOLUBKOVA, L.A., tekhn.red.

[Heating and ventilating flour and great mills] Otoplenie i
ventiliatsiia mel'nits i krupianykh zavodov. Pod red. S.A.Otsepa.
Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam mukomol'no-
krupianoi, kombikormovoi promyshl. i elevatorno-skladskogo khoziai-
stva, 1957. 261 p. (MIRA 11:2)

(Heating) (Ventilation) (Flour mills)

SINTSEUROV, A., inzh.

Decisive role of specialists. Muk.-elev. prom. 23 no.11:27-28 N '57.
(MIRA 11:1)

1. Otdel kadrov i uchebnykh zavedeniy Ministerstva khleboproduktov
SSSR.

(Grain milling--Study and teaching)

SINTSEROV, A., inzh.

Vacuum cleaner for flour mills. Muk.-elev.prom. 24 no.3:20-22
Mr '58. (MIRA 12:9)

1. Otdel kadrov i uchebnykh zavedeniy Ministerstva khleboproduk-
tov SSSR. (Vacuum cleaners)

GUSEV, V.; SINTSEROV, A.

Correspondence courses for preparing specialists. Muk. elev. prom.
24 no.11:24-25 N '58. (MIRA 11:12)

1.Otdelkadrov i uchebnykh zavedeniy Ministerstva khleboproduktov SSSR.
(Grain milling) (Grain--Storage)

YEVREMOV, Ivan Ivanovich; BIL'DE, Anatoliy Eduardovich; BAUM, A.Ye.,
kand.tekhn.nauk, red.; SINTSEROV, A.D., inzh., red.; D'YACHENKO,
V.M., red.; SAVEL'YEVA, Z.A., tekhred.

[Milling machinery industry and flour-milling enterprises of the
Hungarian People's Republic] Mel'nichnoe mashinostroenie i pred-
priiatia mukomol'noi promyshlennosti Vengerskoi Narodnoi Respubli-
ki. Pod red. A.E.Bauma, i A.D.Sintserova. Moskva, Izd-vo tekhn. i
ekon.lit-ry, 1960. 59 p. (MIRA 13:8)

(Hungary--Grain-milling machinery)
(Hungary--Flour mills)

SINTSEROVA, L. B.

Sov/89-59-10-1/84

Aronov, S.G., Bragilovskaya, O.N., Verzhnina, S.V.,
Sintserova, L.G., and Teepurik, V.Ya.

AUTHORS: Resources of Raw Materials and Coking Technology of the
Dorvts Gas Coals on the Coking Gas Works

TITLE: Resources of Raw Materials and Coking Technology of the
Dorvts Gas Coals on the Coking Gas Works

PERIODICAL: Izv. Vuzov, No. 10, pp 3-8 (USSR)

ABSTRACT: The distribution of the total output of coal from the
Donets basin indicates that gas and long flames, ie low
rank coals constitute the largest proportion (35.7%
about 23 million tons) of the coal mined. The
structure of the consumption of the mined coal (table 1)
indicated that gas coals are used mainly for power
generation. However, a majority of consumers
require lump coal, there is a technical and economic
possibility of gas coals. The possibilities of
carbonization of gas coals, ie the possibilities of
aspects of the above possibility were investigated and
are discussed in the paper. In 1989 the amount of
fine gas coals amounted to 5 million tons (mainly
burned in industrial and domestic stoves) and will
increase in 1985 to 9 million tons. The available

Card 4

ASSOCIATION: UKRAIN

Card 4/4

VOLKOV, Yu.M.; SINTSEROVA, L.G.

Structure of the organic substances of coal. Koks i khim. no.7:
18-20 JI '61. (MIRA 14:9)

1. Ukrainskiy uglekhimicheskiy institut.
(Coal--Analysis)

ARONOV, S.G.; SKLYAR, M.G.; BRAGILOVSKAYA, O.N.; SINTSEROVA, L.G.;
SOFRONOVA, M.A.; SHUSTIKOV, V.I.

Thermal plasticization of sapropelic and cannel coals as a method
for their processing. Khim. i tekh. topl. i masel 7 no.1:34-40
Ja '62. (MIRA 15:1)

1. Ukrainskiy uglekhimicheskiy institut.
(Coal) (Plasticization)

SINTSEROVA, O. P.

Ozocerite in treatment of dysentery in children. *Pediatrics*,
Moskva no.5:56-58 Sept-Oct 1950. (CJML 20:1)

1. Of the Physiotherapeutic Division of the Children's Clinical
Hospital (Head Physician -- Honored Physicial RSFSR Ye. V.
Prokhorovich).

ГРИГОРЬЕВ, А. А.

Список синоптических станций зарубежных стран (List of weather Stations of Foreign Countries). Edited by A. A. Grigor'ev. Gidrometsizdat, Moscow-Leningrad, 1968, 172 pages (GUCNS USSR)

PARCHEVSKIY, V. [Parczewski, W.]; SINTSOV, A.A., translator

Study of vertical thermal currents. Meteor. i gidrol. no.5:26-29
My '58. (MIRA 12:4)
(Meteorology in aeronautics) (Clouds)

SINTSOV, D.D., inzh.

Buildings and structures at the surface of mines in Great Britain.

Shakht. stroi. 6 no.6:26-30 Je '62. (MIRA 15:6)

(Great Britain—Mine buildings)

SINTSOV, D.D., inzh.; KEREVICH, A.A., inzh.

Lightweight foundations under fans and hoisting machinery.
Shakht. stroit. 7 no.11:8-13 N°63 (MIRA 17:7)

1. Gosudarstvennyy institut po proyektirovaniyu shakht v
Yuzhnykh rayonakh SSSR.

AMEL'YANOVICH, K.K., inzh.; ANTIPOV, V.A., inzh.; LAFIN, Ye.l., inzh.;
SINTSOV, G.M., inzh.

Characteristics of calculating the strength of ship structures
made of prestressed reinforced concrete and mesh-reinforced
concrete. Sudostroenie 30 no.12:1-5 D '64. (MIRA 18:6)

SENOSOV, S.M., 1974.

Strength of reinforced concrete ships subjected to variable
loads. Sudostroyaniye 90 no.12:7-10 D '64. (MIRA 18:6)

BIRYUKOVICH, Konstantin L'vovich; BIRYUKOVICH, Yuriy L'vovich;
BIRYUKOVICH, Dmitriy L'vovich; SINTSOV, G.M., inzh.,
retsenzent; ZELICHENKO, A.Ya., nauchn. red.; KAZAROV,
Yu.S., red.

[Small glass reinforced concrete and mesh reinforced
concrete vessels] Melkie suda iz steklotsementa i armo-
tsementa. Leningrad, Sudostroenie, 1965. 163 p.
(MIRA 18:7)

Slaters, W.I

Chem 2

The vanadyl tartrate complexes. V. L. Zolotarev and N. I. Simfayev. *Zhur. Obshch. Khim.* 26, 31-34 (1956). The optical d., cond., and pH of the systems $\text{VO}_2(\text{I})\text{-KNaC}_2\text{H}_3\text{O}_6(\text{II})\text{-H}_2\text{O}$ [system A], $\text{I-NaHC}_2\text{H}_3\text{O}_6(\text{II})\text{-H}_2\text{O}$ [system B], and $\text{I-H}_2\text{C}_2\text{H}_3\text{O}_6(\text{IV})\text{-H}_2\text{O}$ [system C] were studied by the method of continuous variations. System A gave a max. optical d. at the mol. ratio $\text{II/I} = 1$, thus indicating the formation of a 1:1 complex (V). However, system A gave a max. cond. at the mol. ratio $\text{II/I} = 2$, thus indicating the formation of a second complex (VI); pH detns. accompanying the cond. study showed an abrupt change at the mol. ratio $\text{II/I} = 2$. System B gave a max. optical d. at the mol. ratio $\text{III/I} = 1$, but gave no max. cond. unless the pH was increased to 4.3 by addn. of alkali, whereupon there was observed the same max. as in system A. System C gave no max. optical d., but gave a max. cond. at the mol. ratio $\text{IV/I} = 1$. Simultaneous pH detns. showed that there was a marked lowering of pH in the same region. To det. the pH limits in which V and VI can exist, a soln. of mol. ratio $\text{III/I} = 4$ was titrated with NaOH. Optical-d. measurements made during the titration gave a max. at pH 2.6 and a second max. at pH 6. Calcns. based on ionization consts. showed that the tartrate anion present in soln. at pH 2.5-3 is $\text{HC}_2\text{H}_3\text{O}_6^-$, while the anion present at pH 6 is $\text{C}_2\text{H}_3\text{O}_6^{--}$. Hence the formula for V, which exists at low pH, is $[\text{VO}(\text{HC}_2\text{H}_3\text{O}_6)]^+$ and the formula for VI, which exists at higher pH is $[\text{VO}(\text{C}_2\text{H}_3\text{O}_6)]^{++}$. These conclusions were supported by an electrolytic study in which a current of about 10 ma. was passed through a soln. contg. I and excess ligand. A red-violet color, attributed to V formed around the cathode, while at the anode, a vanadyl-like color ascribed to VI appeared.

DM *SM*
Donald B. Miller

1. SINTSOV, V.
2. USSR (600)

New scientific center (Temperature, moisture and karst phenomena studies at Kungur Cave in Urals), by V. Sintsov.

9. Soviet Source: Izv 9/2-150

9a. Current Digest of the Soviet Press ([REDACTED] Library), Vol, IV, No. 32, 1952, p. 45.

SINTSOV, V.

The Ufa River will flow toward Sverdlovsk. Rech. transp. 22
no.10:59 0 '63. (MIRA 16:12)

SINTSOV, V.

Diamonds from the Urals. TSvet.met. 36 no.2:92 F '63.
(MIRA 16:2)

(Ural Mountains--Diamonds)

MUKHANOV, F.; SINTSOV, V.; MEUKH, M.; TOLSTONOG, Ya., inzhener-ekonomist

Readers' letters. Sel'. stroi. 17 no.4:28 Ap '63. (MIRA 16:7)

1. Starshiy inzhener tresta Orgsovkhozstroy (for Mukhanov).
 2. Instruktor sel'skokhozyaystvennogo otdela Sverdlovskogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Sintsov).
 3. Predsedatel' Talitskoy mezhkol'hoznoy stroitel'noy organizatsii Sverdlovskoy oblasti (for Meukh).
- (Building--Technological innovations)

S/184/60/000/006/011/012
A104/A130

AUTHOR: Sintsov, V. A., Engineer

TITLE: Oxygen cutting of chromium or nickel chromium cast

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 6, 1960, 42-43

TEXT: A cutting method of casts suggested by the Innovator V. F. Grinyuk of Uralkhimmash (Ural Chemical Machinery Plant) is described. The new method is based on the principle of blowing out the molten metal by powerful oxygen jet and enables the cutting of 300 mm casts. Figure 2 shows a cast trimmed according to the new method. There are 2 figures. ✓

Card 1/2

Oxygen cutting of chromium...

S/184/60/000/006/011/012
A104/A130

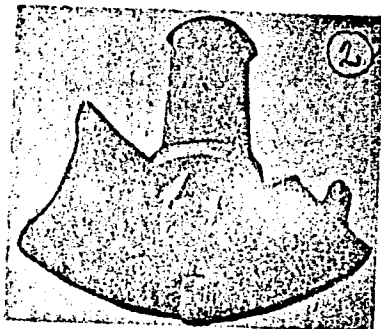


Figure 2:

Casting worked according to new method by
V. F. Grinyuk

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ACCESSION NR: AR4027684

S/0276/64/000/001/G027/G027

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 1G197

AUTHOR: Sintsov, V. A.

TITLE: Peculiarities of stainless steel parts casting

CITED SOURCE: Sb. Novoye v liteyn. proiz-ve. Gor'kiy, 1963, 115-123

TOPIC TAGS: stainless steel, stainless steel casting, steel casting

TRANSLATION: In order to avoid scabs, junctions, and turns, the authors recommend the rapid casting of stainless steels with high-temperature metal (not lower than 1570°). The mold is coated with blacking or anhydrous coal tar; the mold is ventilated with nitrogen before and during casting. The best results are afforded by a pouring gate system connected from below, with the metal rising in the mold. In this case it is possible to employ a branched pouring gate system. For precision castings, the Uralkhimmash plant uses air cooling of the thermal junctions. The article includes the compositions of the casting mixtures and varnishes employed. It is recommended that castings with

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ACCESSION NR: AR4027684

complex surfaces be poured vertically. 7 illustrations. Table 1.

DATE ACQ: 03Mar64

SUB CODE: ML

ENCL: 00

Card 2/2

ACCESSION NR: AP4033681

S/0128/64/000/004/0003/0005

AUTHOR: Sintsov, V. A.

TITLE: The effect of the rate of pouring and the temperature on the surface quality of steel 1Kh18N12M3T casts

SOURCE: Liteynoye proizvodstvo, no. 4, 1964, 3-5

TOPIC TAGS: steel, steel 1Kh18N12M3T, pour temperature, pour rate, cast surface, steel 1Kh18N9T, steel Kh12YuS, stainless steel, ingot mold, sand K016A

ABSTRACT: The effect of temperature and pouring rate on the cast surface of steel 1Kh18N12M3T slabs was studied to determine optimal casting conditions. The variable cross sections of four vertical slab molds filled simultaneously were calculated from the formulas derived by S. V. Russiyan (Proyektirovaniye tekhnologicheskikh protsessov liteynogo proizvodstva. Mashgiz, 1951). The dimensions of the slabs were: 250 x 130 x 6; 250 x 130 x 12; and 250 x 130 x 25 mm. The composition of the ingot mold material was (%): sand K016A -- 94; clay -- 6; water -- 1; liquid glass -- 6.5-7.05, and mazut -- 0.5. Fluidity of

Card 1/2

ACCESSION NR: AP4033681

the stainless steel 1Kh18N12M3T proved to be higher than that of carbon steels, and surface imperfections were present regardless of the pouring temperatures. Varying the pouring rate (at constant temperatures) altered the amounts of surface defects which were distributed in zones parallel to the rising level of metal. A substantial increase in temperature and pouring rate produced good results. Thus, at 1615-1620C the slabs (12 mm thick) were free of surface defects. With a rise in temperature the variation in the pouring rate showed an ever-decreasing effect. The amount of scabs was decreased when the metal movement in the molds was quiet, when metal temperature was high, and when the vertical progress of its level was fast. It is concluded that the calculations of the pouring rates for stainless steels should be based on the linear velocity of the metal-level vertical progress and that bottom pouring should be used to reduce the metal movement in the molds. Orig. art. has: 3 tables and 5 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 07May64

ENCL: 00

SUB CODE: MM

NO REF SOV: 009

OTHER: 000

Card 2/2

СИТИО, А. А.

determining the rate of pouring stainless steels. Lit. proizv.
no.11:2-4 N '64. (MIRA 18:8)

L 56057-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c) MJW/JD

ACCESSION NR: AP5010559

UR/0129/65/000/004/0059/0059
669.14.018.84:620.17

20
19
B

AUTHOR: Sintsov, V. A.

TITLE: Effect of pouring temperature on the structure and mechanical properties of 1Kh18N12M3T steel

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 4, 1965, 59

TOPIC TAGS: steel pouring temperature, steel structure, steel mechanical property / 1Kh18N12M3T steel

ABSTRACT: The steel used in this study was made in a high-frequency 50-kg furnace with a basic lining, and poured with a shank ladle preheated to 450-500C. The metal temperature was measured in the furnace before tapping and during pouring. Six samples were poured at various temperatures from one ladle. Each sample was quenched in water from 1150C, and then subjected to mechanical tests. As was shown by the experiments, a coarse-grained metal structure is obtained at high temperature and high pouring rate. Even samples 40 mm thick had a columnar structure. The data obtained from measurements of mechanical properties show that different grain sizes and pouring temperatures do not affect the properties of steel at room temperature if the risering is complete and the solidification

Card 1/2

L 56057-65

ACCESSION NR: AP5010559

of the castings is directional. In this case, the zones of columnar crystals grow together despite the coarse-grained structure of the metal. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Uralkhimmashzavod

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card

DR
2/2

GINSON, V.A.

Effect of the temperature during casting on the structure and the mechanical properties of 12Kh18N12M2T steel. Metalloved. i term. obr. met. no.4:59 Apr '65. (MIRA 18:6)

1. Ural'skiy zavod khimicheskogo mashinostroyeniya.

SINTSOV, V.A.; SHECHULEN, V.A.

Characteristics of the formation of laps on stainless steel
castings. Izv. vys. ucheb. zav.; Chern. met. 8 no.10:133-139 '65.
(MIRA 18:9)

1. Ural'skiy politekhnicheskiy institut.

VEPRIK, Ya.M.; SINTSOV, V.N.; FAYERMAN, G.P.

Investigating the kinetics of silver nitrate reduction by
p-hydroxyphenylglycine. Zhur. nauch. i prikl. fot. i kin.
8 no.6:434-437 N-D '63. (MIRA 17:1)

1. Leningradskiy institut kinoinzhenerov (LIKI).

SINTSOV, V.N.

Some physical methods of infrared photography. Zhur. nauch.
i prikl. fot. i kin. 8 no.6:471-474 N-D '63. (MIRA 17:1)

VEPRIK, Ya.M.; SINTSOV, V.N.; FAYERMAN, G.P.

Investigating the speed rate of the physical development with
P-hydroxyphenylglycine developers. Zhur. nauch. i prikl. fot.
i kin. 9 no.1:27-31 Ja-F'64. (MIRA 17:2)

1. Leningradskiy institut kinoinzhenerov (LIKI).

SINTSOV, V.N.

Use of thiourea in photographic processes. Zhur. nauch. i
prikl. fot. i kin. 9 no.3:231-236 My-Je '64. (MIRA 18:11)

LEVITIN, I.B., kand.tekhn.nauk; MYASNIKOVA, N.G., inzh.; POPOVA, K.B.,
nauchnyy sotrudnik; SINTSOV, V.N., nachnyy sotrudnik

Study of the temperature fields of electrical apparatus using an
evaporograph. Vest. elektroprom. 34 no.1:18-23 Ja '63. (MIRA 16:1)

(Electric apparatus and appliances)
(Temperature--Measurement)

SINTSOV, V.N.; PLYERMAN, G.P.

Sensitivity of the physical methods of infrared photography. Zhur.nauch.
i prikl.fot. i kin. 9 no.4:297-298 J1-Ag '64.

(MIRA 17:10)

1. Gosudarstvennyy opticheskyy institut imeni Vavilova, Leningrad.

ACCESSION NR: AP4017621

S/0033/64/041/001/0110/0111

AUTHOR: Popova, K. B.; Sintsov, V. N.; Fayerman, G. P.

TITLE: Experimental application of the evaporograph for obtaining an infrared image of the moon

SOURCE: Astronomicheskiy zhurnal, v. 41, no. 1, 1964, 110-111

TOPIC TAGS: evaporograph, moon, lunar image, radiation, infrared radiation, thermal radiation

ABSTRACT: The availability of a working model of an evaporograph (G. P. Fayerman, V. N. Sintsov, K. B. Popova, Optiko-mekhanicheskaya promyshlennost', no. 11, 27, 1962) permitted the authors to test the applicability of this instrument for obtaining lunar images in the infrared region of the spectrum. These tests were conducted from 24 to 28 July, 1961 at the Krymskaya Astrofizicheskaya Observatoriya Akademii Nauk SSSR (Crimean Astrophysical Observatory of the Academy of Sciences of the SSSR). The first series of tests consisted in photographing the moon using a working model of an evaporograph with a mirror-lens optical system ($f = 200\text{mm}$; $Z_{\text{geom.}} = 1, 1.6$; $Z_{\text{eff.}} = 1:2$) with a lens manufactured of crystal NaF. The spectral region passed by the optical system of the instrument lay within an interval of 0.8-8.5 microns. At the moment of photography,

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ACCESSION NO: AP4017621

the moon was at a position between its first quarter and its full stage, with 3/4 of its surface illuminated by the sun. An image of the moon was obtained on the membrane of the evaporograph within 3-5 seconds after the beginning of the exposure. Details of the development procedure are given in the article. The image obtained was clear and distinct, but was too small (1.8 mm) to permit the revelation of any surface detail. Since the passband of the instrument was limited to 8.5 microns in the direction of the long waves, obviously it was primarily the reflected infrared radiation of the moon that was recorded. In a later series of tests, an MTM-500 telescope was used in place of the evaporograph objective, in order to secure a larger lunar image. The arrangement used in this series resulted in an image of the moon having a diameter of 58 mm; that is, almost twice the diameter of the evaporograph membrane. Hence, only a part of the lunar disc was visible. It was found that the sensitivity of the receiver was scarcely sufficient to obtain the infrared image given by the optical system of the telescope. The test results showed, in conclusion, that by means of an evaporographic receiver it is possible to obtain moon images in the reflected infrared radiation of the sun, and, provided the instrument has sufficient light-admittance and spectral passband, in its own thermal radiation as well — at least, in all likelihood. This follows, in particular, from data in the technical literature demonstrating

Card 2/3

ACCESSION NR: AP4017621

that the energy of the Moon's own thermal radiation exceeds by several times the energy of the reflected solar radiation. It was also found that with a relative telescope aperture of 1:4 (as in the case of the \varnothing 2.6m telescope of the Crimean Astrophysical Observatory) there is sufficient strength to obtain such an image. "The authors express their gratitude to A. B. Severny'y, the director of the Observatory, as well as to V. K. Prokov'yev and N. Ye. Orlova, workers at the Observatory." Orig. art. has: 1 table and 2 figures.

ASSOCIATION: Gos. opticheskiy in-t im. S. I. Vavilova (State Institute for Optics)

SUBMITTED: 22Jan63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: AA

NO REF SOV: 001

OTHER: 003

Card 3/3

SINTSOV, V.H.

Subalpine meadows of the Urals. Zhivotnovodstvo 20 no.5:51 My '58.
(MIRA 11:5)

1. Instruktor Sverdlovskogo obkoma Kommunisticheskoy partii
Sovetskogo Soyusa.
(Ural Mountains—Pastures and meadows)

SINTSOV, V.N.

Winter wheat in the Central Urals. Zemledelie 26 no.1:71
Ja'64. (MIRA 17:5)

1. Instruktor Sverdlovskogo sel'skogo oblastnogo komiteta
Kommunisticheskoy partii Sovetskogo Soyuza.

LIZORKIN, V.; MAKAROVA, Ye.; KHRUMCHENKO, L.; SINTSOVA, A.; VINOKUROVA, V.

Rapid method for curing meat for sausage manufacture. Mias.
ind.SSSR 30 no.1:13 '59. (MIRA 12:4)

1. Nauchno-issledovatel'skoye byuro Stalingradskogo myasotresta.
(Sausages)