

PROCESSING AND PROPERTIES INDEX

A-4

bc

Germination of pollen. I. Mutual stimulation in germination of pollen grains. I. N. Golubinski (*Compt. rend. Acad. Sci., U.R.S.S.*, 1948, 68, 32-33).—In the 16 species studied the amount of pollen contained in a drop of sugar solution was correlated with both the % germination and the length of the pollen tube. H. H. H.

ASM-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND LETTERS	AUTHOR INDEX	3RD AND 4TH LETTERS	5TH AND 6TH LETTERS
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	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	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	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

GOLUBINSKIY, I. N.

USSR/Medicine - Plants  
Medicine - Pollen

11 Jan 1948

"Our Knowledge of the Physiology of Pollen Germination -  
Particulars of the Germination of Pollen Beeds of  
Prunella officinalis Jacq. in Connection with Hetero-  
styles," I. N. Golubinskiy, Ukrainian SSR Sci Res Sta  
Hop Growing, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 2

PA 43/43T39

Experiments gave following results: Prunella officinal-  
is pollen present in nutritive solutions emits secre-  
tions having effect on percentage of sprouting, and  
length of pollen tubes. Self-pollination slows propa-  
gation of pollen. While pollen from other plants speeds  
USSR/Medicine - Plants (Contd) 11 Jan 1948

sprouting. Therefore, observed that secretions iso-  
lated by heterostylis pollen were specific, possessing  
various chemical affinities. Submitted by Academician  
N. A. Maksimov, 21 Oct 1947.

43T39

GOLUBINSKIY, I. N.

21879 GOLUBINSKIY, I. N. i ZHITKO, Ye. P.

Sorta khmolya otechestvennoy selektsii.  
Selektsiya: semenovodstvo, 1949, No. 7; s. 64-68.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

PA 47/49T54

GOLUBINSKIY, I. N.

USSR/Medicine - Cells, Physiology  
Medicine - Cells, Inclusions

Mar/Apr 49

"Various Types of Karyon and the Concept of  
Cytogenic Irregularities in Tissues," I. N.  
Golubinskiy, Dnbno, 19 pp

"Uspekhi Sovrem Biol" Vol XXVII, No 2

Many articles have been written on the variability of the karyon even within single species. These changes can be very radical, and even cause morphological changes in the chromosomes. Cytogenic heterogeneity and associated variations in the karyon are not necessarily related to formation of hybrids which cause changes in the organism. Spontaneous

USSR/Medicine - Cells, Physiology  
(Contd)

47/49T54  
Mar/Apr 49

appearance of a chimera is due to a cytogenic heterogeneity, while vegetative mutation of potatoes obtained by Asseyeva is due to simple vegetative division.

47/49T54

CA

Dynamics of accumulation of bitter substances in hops  
cones in the course of growth. I. N. Golubinski and I.  
G. Shcherbina. *Doklady Akad. Nauk S.S.S.R.* 65, 177 0  
(1949).---The accumulation occurs principally in late  
summer (August) and no appreciable decline takes place in  
later months. G. M. Kasolapoff

GOLUBINSKY, I., N.,

1 Oct 49

USSR/Biology - Botany  
Sap, Birch

"Birch Sap as a Germinating Medium for Pollen,"  
I. N. Golubinskiy, 2 $\frac{1}{2}$  pp

"Dok Akad Nauk SSSR" Vol LXVIII, No 4

Tabulated results obtained by using birch sap as a germinating medium for the pollen of *Salix alba*, *Prunus insititia*, *Cerasus padus*, *Primula obconica*, and *P. officinalis* considered better than best sugar media. Since sap deteriorates quickly, a boiled solution was tried and proved better than fresh sap for *Salix alba* and *Primula obconica* pollen. Submitted by Acad N. A. Maksimov 27 Jul 49.

150T5

ГОЛУБИНСКИЙ И. П.,

USSR/Biology - Botany  
Horse-Radish

11 Oct 49

"Action of the Phytoncides of Horse-Radish Upon  
the Germination of Pollen Grains," I. N.  
Golubinskiy, 2 1/2 pp

"Dok Ak Nauk SSSR" Vol LXVIII, No 5

Round phytoncide action of chopped horse-radish  
(Cochlearia armoracia) roots (in a Petri dish)  
on pollen of seven plants -- Galanthus nivalis,  
Sedum acre, etc. -- inhibited germination while  
chopped leaves stimulated it. Sedum acre pollen  
was destroyed in atmosphere saturated with  
151F3

USSR/Biology - Botany (Contd) 11 Oct 49

horse-radish phytoncides in 20 min, its germina-  
tion retarded in 5-20 min, but stimulated in very  
short periods. Lethal action was greater on germ-  
inating than on fresh pollen. Submitted by Acad  
N. A. Maksimov 27 Jul 49.

151F3

HOLUBYNS'KYY, I.N.

Study of the phytoncidal action of various plants on the germination of pollen grains of the sweet pea (*Lathyrus odoratus* L.). Bot.zhur.[Ukr.] 9 no.3:42-54 '52.  
(MLBA 6:11)

1. Sortodil'nytaya ovochevykh kul'tur, m. Kostopol', Rovens'koyi obl.  
(Sweet peas) (Phytonicides)



1. GOLUBINSKIY, I. N.
2. USSR (600)
4. Ferns
7. Male fern. Sad i og. No. 10, 1952.

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

GOLUBINSKIY, I.N.

New data on the phytoncidal action of different plants on the germination of pollen grains. Ukr.bot.zhur.13 no.4:13-19 '56.

(MIRA 10:1)

1. Sortodil'nitsya ovochevikh kul'tur, m.Kostopil', Rovens'koi obl.  
(Phytoncides) (Pollen)

GOLUBINSKIY, I.N.

Atmospheric precipitation water as a medium for germinating pollen grains. Dokl. AN SSSR 109 no.6:1203-1205 Ag '56. (MIRA 9:11)

1. Kostopol'skiy gosudarstvennyy ovoshnoy sortouchastok, Kostopol', Rovenskaya oblast'. Predstavleno akademikom, V.N. Galatshvili.  
(Pollen)

GOLUBINSKIY, I.N.

Teratological variations observed in pollen tubes affected by  
phytoncides. Dokl. AN SSSR 110 no.6:1115-1116 O '56. (MLRA 10:2)

1. Predstavleno akademikom A.L. Kursanovym.  
(Phytoncides) (Botany--Morphology)

GOLUBINSKIY, I.N.

"Problems and exercises on botany" by D.I. Traitak. Reviewed  
by I.N. Golubinskii. Biol. v shkole no.5:92-93 S-0 '61.  
(MIRA 14:9)

1. Ukrainskiy institut rasteniyevodstva, genetiki i  
selektzii.

(Botany--Study and teaching)  
(Traitak, D.I.)

GOLUBINSKIY, I.N. [Holubyns'kyi, I.M.]

Effect of boron on the germination of pollen grains. Ukr. bot.  
zhur. 20 no.4:3-6 '63. (MIRA 17:4)

1. Rovens'kiy zagal'nonaukoviy fakul'tet Kiivs'kogo derzhavnogo  
universitetu im. T.G.Shevchenka.

COUNTRY : USSR M  
CATEGORY : Cultivated Plants. Grains.  
ABS. JOUR. : RZBiol., No.21, 1958, No. 95901  
AUTHOR : Golubinskiy, S.K.  
INST. : Kirghiz Univ.  
TITLE : The Effect of Seed Size on the Grain Crop  
Yield  
ORIG. PUB. : Uch. zap. Biol. fak. Kirg. un-t, 1957, vyp.8,  
57-63  
ABSTRACT : No abstract

CARD: 1/1

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920002-7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515920002-7"



USSR/Meteorology - Winds, Dry

Sep 50

"Dry Winds and Forest Melioration," S.S. Golubinskiy

"Priroda" No 9, pp 37-41

Calms made by the author showed that the main restriction upon the size of the harvest in Kulunda steppe (Altay Krai) was dry winds. Found that field-protective forest belts were the only reliable measure to combat there dry winds. Tables show the correlation of pptn, dry winds (days when the relative humidity dropped below 30% were considered days with dry winds), and harvests of various

212798

Grain crops for a 10-year period on the Kulunda steppe and the influence of field-protective forest belts upon the harvest of grain crops.

GOLUBINSKIY, S. S.

212798

Forest Nurseries

Growing the poplar from seed, Les 1 step' No.3, 1952

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

GOLUBINSKIY, S. S.

Tree Planting

Setting out spot-seeded strips of white acacia and honey locust. Les i step' 14 No. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952.

Subject : USSR/Meteorology AID P - 3868  
Card 1/1 Pub. 71-a - 31/35  
Author : Golubinskiy, S. S.  
Title : ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~  
          : Nikifor Petrovich Nizen'kov  
Periodical : Met. 1. gidr., 6, 63, N/D 1955  
Abstract : An obituary of a well-known agrometeorologist, who did  
          research in the field of hydrology, frost resistance  
          of plants and winter crops, and died in June 1955.  
Institution : None  
Submitted : No date

GOLUBINSKIY, S.S.

Problem of using box elder in shelterbelt afforestation, greenbelts,  
and parks. Trudy TSSBS no.4:23-30 '60. (MIRA 15:4)  
(Box elder) (Windbreaks, shelterbelts, etc.)

GOLUBINSKIY, S.S., kand.sel'skokhozyaystvennykh nauk. (Novosibirsk)

Pine stands planted in clusters. Agrobiologiya no.1:119-121  
Ja-F '63. (MIRA 16:5)

(Novosibirsk Province—Pine)

GOLUBINSKIY, S.S., kand. sel'skokhoz. nauk

Oak stands planted in clusters in Western Siberia. Agrobiologiya  
no.6:938-939 N-D '64. (MIRA 18:2)

GOLUBINSKIY, V.I., (Gor'kiy, ul. M.Gor'kogo, d. 226-a, kv.2.).

Phosphorus burn. Vest.khir. 89 no.8:74-75 Ag '62. (MIRA 15:10)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.I.Kozhevnikov)  
Gor'kovskogo meditsinskogo instituta na baze oblastnoy klinicheskoy  
bol'nitsy im. N.A.Semashko (gl. vrach - zasluzh. vrach RSFSR  
K.I.Kuznetsov).

(PHOSPHORUS—TOXICOLOGY)  
(BURNS AND SCALDS)



GOLUBINSKIY, V.I. (Gor'kiy, ul. M. Gor'kogo, d. 226-a, kv.2)

Strangulation of the liver in epigastric hernia. Vest. khir.  
91 no.8:119-120 Ag'63 (MIRA 17:3)

1. Iz kliniki obshchey khirurgii ( zav. - prof. A.I. Kozhevnikov)  
Gor'kovskogo meditsinskogo instituta imeni S.M. Kirova na baze  
Gor'kovskoy oblastnoy bol'nitsy imeni Semashko (glavnyy vrach -  
zasluzhennyy vrach RSFSR K.I. Kuznetsov).

SECHNYAK, Inaida Fedotovna, st. nauchn. sotr.; GOLUBINSKIY, Ye.,  
obshchestvennyy red.

[Use high standard cultivation practices for sugar beets;  
from practices on collective and state farms in the  
Crimea] Sakharnoi svekly - vysokuiu agrotekhniku; iz opyta  
kolkhozov i sovkhov Kryma. Simferopol', Izd-vo "Krym,"  
1964. 49 p. (MIRA 18:1)

1. Krymskaya gosudarstvennaya sel'skokhozyaystvennaya  
opyt'naya stantsiya (for Sechnyak).

ISSUE : 1956  
CULTIVATED PLANTS: Fodder Grasses and Roots.  
ABST. JOURN : Ref Zhurn. Biologiya, No. 5, 1956, No. 20351  
AUTHOR : Golubinskiy, Ya. D.; Reynshkevich, R. Yu.  
INST. : Krymskaya Oblast State Agric. Experiment Station  
TITLE : The Problem of Choosing Grass Mixtures for the  
Vegetable-Fodder Crop Rotations under Irriga-  
tion in the Steppe Part of the Crimea.  
ORIG. PUB.: Tr. Krymsk. obl. gos. s.-kh. opyt. st., 1956,  
2, 27-42

ABSTRACT : Experiments were set up in spring 1953 under  
irrigation with sowing different grain-legume  
grass mixtures. As the leguminous components,  
a trial was made of alfalfa, esparcet and  
clover; as the grain grasses there were: slen-  
der wheatgrass, smoothbrome, Italian ryegrass,  
and meadow fescue.. The grasses were planted  
with the fall plowing under a cover of barley  
and without a cover. The grass mixtures of  
clover + wheatgrass and clover + fescue were

CARD: 1/2

COMMENT :  
SUBJECT : Cultivated Plants. M  
JOURN.: Ref Zhur-Biologiya, No. 5, 1959, No. 26351

Author :  
INST. :  
TITLE :

ORIG. PUB.:

ABSTRACT : the most productive. The hay yield in 1954 from the uncovered sowing of these mixtures was, respectively, 179.6 and 187.1 centners per ha, and from those under cover 124.7 and 146.2 cwt/ha. --G.N. Chernov

CARD : 2/2

GOLUBINSKIY, Ye. D., Cand Agr Sci -- (diss) "Problems of agrotechnics of corn in the steppe portion of the Crimea." Khar'kov, 1960. 18 pp; (Ministry of Agriculture Ukrainian SSR, Khar'kov Order of Labor Red Banner Agricultural Inst im V. V. Dokuchayev); 150 copies; free; (KL, 26-60, 140)

GOLUBINSKIY, Ye.F.

Metabolism of purine and pyrimidine derivatives in the plague  
microbe. Dokl. Irk. gos. nauch.-issl. protivochum. inst. no. 52  
9i.95 '63 (MIRA 1881)

NECHETSKAYA, R.M.; ZAYTSEVA, L.D.; GOLUBINSKIY, Ye.P.; KOLESINSKAYA, N.I.

Viability of aerated bouillon cultures. Dokl. Irk. gos. nauch.-  
issl. protivochum. inst. no.5:43-44 '63 (MIRA 18:1)

NECHETSKAYA, R.M.; KOLESINSKAYA, N.I.; KALMYKOVA, A.P.; GOLUBINSKIY, Ye.P.  
ZAYTSEVA, L.D.

Dynamics of the multiplication of strain EE of the plague microbe  
in an aerated fluid medium. Dokl. Irk. gos. nauch.-issl. protivoshum.  
inst. no.5:45-47 '63 (MIRA 18:1)



GOLUBINTSEV, O. N.

Golubintsev, O. N. "Investigation of the Kirunavarskiy method of measuring the deformation of drill (test) pits," Trudy Novocherkas, politekhn. in-ta im. Ordzhonikidze, Vol. XVII, 1948, p. 69-93 - Bibliog: 6 items

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, no. 3, 1949)

GOLUBINTSEV, O.N., dotsent, kandidat *tekhnicheskikh nauk*.

Determining the coordinates of measurement points for boreholes.  
Nauch. trudy NPI 26:206-233 '55. (MLRA 9:12)  
(Boring) (Prospecting)

GOLUBINTSEV, O.N.

~~Principles of the kinematics of a core bit.~~ Razved.i okh.  
nedr 22 no.8:22-30 Ag '56. (MLRA 9:11)

1. Novocherkasskiy politekhnicheskiy institut.  
(Boring)

GOLUBINTSEV, O.N., dotsent, kand.tekhn.nauk

Kinematics of a cutter bit. Trudy NPI 49:71-108 '59. (MIRA 14:3)

1. Kafedra razvedochnogo dela Novocherkasskogo politekhnicheskogo instituta.

(Boring machinery)

GOLUBINTSEVA, A.P.

Clubroot of cabbage in Western Siberia. Zashch. rast. ot vred.  
1 bol. 3 no.5:56 8-0 '58. (MIRA 11:10)

1. Direktor Novosibirskoy stantsii zashchity rasteniy.  
(Siberia, Western--Clubroot) (Cabbage--Diseases and pests)

BULANKINA, M. M.; YAKOVLEV, B. V.; GOLUBINTSEVA, A. P.  
DZHIYEMBAYEV, Zh. T.; ZNAMENSKIY, V. S.

Coordination conferences. Zashch. rast. ot vred. i bol. 5  
no.5:57-61 My '60. (MIRA 16:1)

(Plants, Protection of--Congresses)

LEBEDEVA, L.N., assistant; ZAGOVORA, A.V., kand.biolog.nauk; RYAZANTSEVA, N.N.;  
POGOREL'SKIY, L.G.; GOLUBINTSEVA, A.P., kand.sel'skokhoz.nauk  
(Novosibirsk); GADZHIYEV, G.E.

Brief reports. Zashch. rast. ot vred. i bol. 6 no.7:56-57 J1  
'61. (MIRA 16:5)

1. Kafedra plodovodstva i zashchity rasteniy Novosibirskogo sel'skokho-  
zyaystvennogo instituta (for Lebedeva). 2. Ukrainskiy institut rasteni-  
yevodstva, selektsii i genetiki, Khar'kov (for Zagovora, Ryazantseva).  
3. Nachal'nik karantinnoy inspektsii Dagestanskoy ASSR (for Pogorel'-  
skiy). 4. Zaveduyushchiy mezhrayonnoy biolaboratoriyey, Kubinskiy  
rayon (for Gadzhiyev).

(Plants, Protection of)

USSR/Meadow Cultivation.

L

Abs Jour : Ref Zhur Biol., No 14, 1958, 63260

Author : Golubintseva, V.P.

Inst : Ural University.

Title : Bottom Meadows of Collective Farms of the Central Cisuralic Region and Ways to Improve Them.

Orig Pub : Uch. zap. Ural'skogo un-ta, 1957, vyp. 15, 94-118

Abstract : The vegetative cover of the bottom meadows in the Ufa River valley represents a motley mosaic of different groupings, set in connection with meso- and microreliefs, soils and humidity. The brushwood undergrowth, the contamination of the grasses by weeds, their incorrect utilization and lack of maintenance appear to be general for all meadows -- hence, the generalized low yield (10-12 c/ha). Experiments for the improvement of meadows showed

Card 1/2

- 8 -



GOLUBINTSEVA, V.P.

Development of the classification of meadows of the central cis-Ural region. Trudy Inst. biol. UF AN SSSR no.27:123-125 '61. (MIRA 17:2)

GOLUBINTSEVA, V.P.

Park forests of the western slopes of the Central Urals  
as forage lands. Zap. Sverd. otd. VBG no.2:101-106 '62.  
(MIRA 16:8)

GOLUBINTSEVA, V.F.

Changes in the vegetation of dry meadows in the Krasnoufimsk  
forest steppe. Zap. Sverd. otd. VBO no.3:51-57, '64  
(MIRA 18:2)

SEMIOKHINA, A.F.; IVANOV, D.D.; GOLUBITSA, A.M.

Study of the psychotropic preparation VL-2 on a model of audio-genic epilepsy. Nauch.dokl.vys.shkoly; biol.nauki no.4:71-73  
165.

(MIRA 18:10)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

• USSR/General Problems of Pathology - Tumors. Comparative  
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 5, 1959, 22857

Author : ~~Golubitskaya, B.M.~~

Inst : -

Title : Teratoid Tumor of the Ovary with Unusual Clinical Course.

Orig Pub : Vopr. onkologii, 1958, 4, No 2, 211-214

Abstract : In a 62-year-old woman who suffered from the duration of one year from strong 'congestions', pains and a feeling of pressure in the lower abdomen, a tumor was discovered in the abdominal cavity of densely elastic consistency, movable in all directions with respect to the uterus. The 'congestions' were conditioned by disturbance of hormonal balance. After amputation of uterus and ovaries, in one of which a tumor with dimensions of 9 x 10 x 8 cm was discovered, the 'congestions' and headaches

Card 1/2

- 28 -

• USSR/General Problems of Pathology - Tumors. Comparative  
Oncology. Tumors of Man

U

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515920002-7

Abs Jour : Ref Zhur Biol., No 5, 1959, 22857

stopped, and hormonal balance returned to normal.  
Histological diagnosis - teratoma.

Card 2/2

GOLUBITSKAYA, F.N., assistant; KULIYEV, K.A., assistant

Observations on the course of pregnancy and some gynecologic diseases in pappataci fever. Zdrav.Turk. 2 no.1:33-35  
Ja-F '58. (MIRA 12:6)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.B. Freysman) Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V.Stalina.

(PAPPATACI FEVER) (PREGNANCY, COMPLICATIONS OF)  
(GENERATIVE ORGANS, FEMALE--DISEASES)

GOLUBITSKAYA, F.N.

Treatment of hypogalactia with the salts of trace elements. Vop.  
okh. mat. i det. 5 no. 5:46-51 S-0 '60. (MIRA 13:10)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.B. Pereysman)  
Turkenskogo gosudarstvennogo meditsinskogo instituta imeni  
I.V. Stalina.  
(IODINE--THERAPEUTIC USE) (LACTATION)

GOLUBITSKAYA, F.N.

Two rare cases of chorioepithelioma. Zdrav.Turk. 6 no.2:36-38  
Mr-Apr '62. (MIRA 15:11)

1. Iz kafedry akusherstva i ginekologii (zav. - M.S.Seyradov)  
Turkmenskogo gosudarstvennogo meditsinskogo instituta i Respubli-  
kanskoy klinicheskoy bol'nitsy imeni N.I.Pirogova Turkmenskoy  
SSR (glavnyy vrach - M.B.Shapiro).  
(CHORION—CANCER)



GOLUBITSKAYA, M. B.

Golubitskaya, M. B. "Errors in diagnosis and role of biopsy in cancer of the uterus",  
Trudy Akad. med. nauk SSSR, Vol. I, 1949, p. 108-12, --Bibliog: p.112.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

GOLUBITSKAYA, M. B.

"Concerning the Influence of Small Doses of Ionizing Radiation on the Blood Picture From the Standpoint of Occupational Damage," by M. B. Golubitskaya, Gynecological Department, Institute of Oncology, Academy of Medical Sciences USSR (head of the department and director of the institute, Prof A. I. Serebrov, Corresponding Member, Academy of Medical Sciences USSR), Meditzinskaya Radiologiya, Vol 1, No 6, Nov/Dec 56, pp 6-13 ✓

Analyses run on technicians, clinical physicians, and various other classifications of physicians two or three or more times per year proved that ionizing radiation in small amounts over protracted periods causes definite changes in the peripheral blood of clinical workers of the Institute of Oncology of the Academy of Medical Sciences USSR. These changes are expressed in gradual increase of the number of eosinophils and monocytes against a background of leukopenia of various degrees. In the majority of cases the blood changes are functional in nature, and under favorable conditions compensation may be considerable.

Evidently, the question concerning the maximum permissible dose of ionizing radiation cannot be considered solved. The prevention of injuries to the hemopoietic system requires strict observance of regulations for people working with radioactive substances, regular dosimetric inspection of protective devices, and regular measurement of irradiation dose received by workers. (U)

Sum. 1322

GOLUBITSKAYA, M.B.

~~Minutes of session No.12 of the Society of Oncologists of Leningrad  
and Leningrad Province held on June 14, 1956. Vop. onk., 2 no.6:773-775  
'56 (TUMORS) (MIRA 10:4)~~

*Golubitskaya, M.B.*

GOLUBITSKAYA, M.B., kand.med.nauk (Leningrad)

Observation of women following radical treatment of malignant tumors  
of the generative organs in preventive and therapeutic clinics.

Fel'd. 1 akush. 22 no.12:23-26 D '57.

(MIRA 11:2)

(GENERATIVE ORGANS, FEMALE--CANCER)

GOLUBITSKAYA, M.B. (Leningrad, Pr. Mayorova, d.20, kv.15)

Teratoid ovarian tumor with an unusual clinical course. Vop.  
onk. 4 no.2:211-214 '58. (MIRA 12:8)

1. Iz ginekologicheskogo otdeleniya Instituta onkologii AMN  
SSSR (zav.otd. i dir. - deystvitel'nyy chlen AMN prof.A.I.  
Serebrov).

(OVARIES, neopl.

teratoma in aged with unusual vasc. skin  
reaction, case report (Rus))

(TERATOMA, in aged

ovarian with unusual vasc. skin reaction,  
case report (Rus))

14(10)

SOV/112-59-2-2698

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2,  
pp 59-60 (USSR)

AUTHOR: Golubitskaya, M. G.

TITLE: Determining the Most Severe Conditions for Energy Dissipation in the  
Tailwater of Hydraulic Structures (Opredeleniye naiboleye tyazhelykh usloviy  
gasheniya energii v nizhnem b'yefe gidrotekhnicheskikh sooruzheniy)

PERIODICAL: Tr. Khar'kovsk. in-ta inzh. zh.-d. transp., 1957, Nr 30,  
pp 123-137

ABSTRACT: The most severe conditions for energy dissipation in the lower pool  
of hydraulic structures are investigated, particularly the problem of apron  
length. Horizontal bed strengthening is considered for the cases in which water  
levels are conjugated by a perfect jump or a submerged bottom jump without  
energy dissipators or with dissipators of water-cushion or apron-wall type.  
Articles devoted to the above problem are analyzed; a criterion is suggested

Card 1/2

SOV/112-59-2-2698

Determining the Most Severe Conditions for Energy Dissipation in the Tailwater . . . .

for establishing a design discharge in determining the height of the apron wall;  
the criterion is suitable for various structures: (1) an overfall dam; (2) an  
outflow from under a gate; (3) a combination scheme, etc.

Bibliography: 18 items.

Yu. M.S.

Card 2/2

GOLUBITSKAYA, M.G., Cand Tech Sci-- (diss) "Study of the most  
difficult conditions of ~~energy~~ <sup>of energy</sup> extinguishing <sup>under</sup> in the ~~lower~~ waters  
~~levels~~ of <sup>hydraulic</sup> ~~hydro~~-engineering constructions." Khar'kov, 1959, 12 pp  
(Min of Higher Education UkSSR. Khar'kov Construction Engineering  
Institute). 150 copies (K1,38-59, 116)



SECRET (S) (U) (A) (A)

PLESHCHITSER, A. Ya.; GOLUBITSKAYA, N. N.

Modification of blood viscosity in vitamin C deficiency and  
in certain other states. Klin. med., Moskva 29 no.8:82 Aug 1951.  
(CML 20:11)

1. Prof. Pleshchitser.

GOLUBITSKAYA, N.V.

Subluxation of the crystalline lens in chalcosis of the eye. Vest.  
oft. 69 no.5:65-68 S-O '56. (MIRA 9:12)

1. Iz glaznogo otdeleniya Kurskoy oblastnoy klinicheskoy bol'nitsy.  
(EYE, wounds and injuries  
chalcosis, causing subluxation of crystalline lens)  
(CRYSTALLINE LENS, dislocation  
subluxation caused by chalcosis after eye inj.)

GOLUBITSKAYA, N.V.

Case of gumma of the eyelid. Oft. zhur. 17 no.1:60-61 '62.  
(MIRA 15:3)

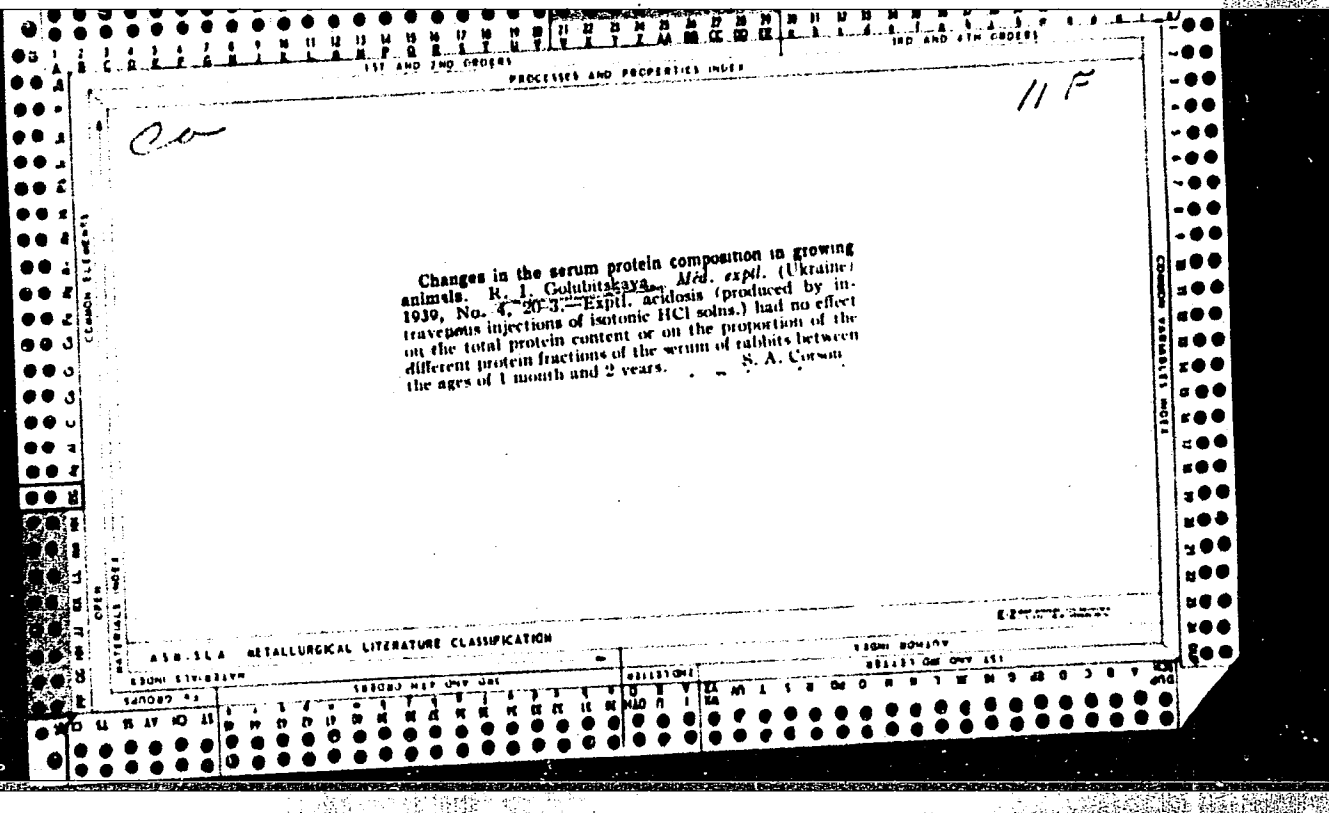
1. Iz kliniki glaznykh bolezney (zav. - prof. A.G. Krol')  
Kurskogo meditsinskogo instituta.

(EYELID--SYPHILIS)

(PENICILLIN)







111

ca

PROCESSES AND PROPERTIES INDEX  
(1ST AND 2ND QUANT)

Nitrogen content of the skin of white rats as modified with age. R. J. Golubickaya. *Mrd. expl.* (Ukraine) 1940, No. 2, 34-8.—Expts. were performed on 41 rats aged 1 day to 1.5 years. The concn. of total and insol. protein of the skin was increased with age, while the quantity of residual and of sol. protein was decreased. The total protein content of the skin exceeded that of liver and muscle.  
N. A. Corson

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

FROM DOMINY

LIST AND LETTERS

MATERIALS INDEX

COMMON ELEMENTS

COMMON VARIANTS INDEX

GOLUBITSKAYA, R.I.: NAGORNYI, A.V.

Age

Effect of age on changes in the calorie content in animal organisms. Ukr. biokhim. zhur., 22, No. 3, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195~~8~~, Uncl.



GOLUBITSKAYA, P. L.

The biochemical nature of the disappearance of the processes of protein synthesis in the animal organism. Ontogenetic changes in the utilization of adenosine triphosphate (ATP) energy. Synthesis of the peptide bond formation of glutamine from glutamic acid and ammonia salts. P. N. Nikitin and P. L. Golubitskaya. *Zhurnal Zooloicheskoi Khimii*, 1955, 33, 201-204. *Key words:* ATP energy, synthesis of glutamine, synthesis of I in the presence of  $NH_4Cl$  and ATP, protein synthesis, and the increase in its synthesis upon the addition of  $NH_4Cl$  occurs in tissues from rats 3 months old, and with the addition of ATP at a rapid rate in tissues from 1-3-month-old rats; the rate is reduced in tissues from 1-2.5-year-old rats. In liver tissue from rats 3 months old and 2.5-year-old rats, there is no decrease in the synthesis of I upon the addition of ATP. The addition of 0.01M  $NH_4F$  shows the synthesis of I in the presence of ATP more in tissues from rats age 3 months, and less from rats age 1 day and 1 year. The reduction in the synthesis of I is taken as an indication of a gradual reduction with progressing age in the utilization of the energy of high-energy compounds in the synthesis of peptide bonds and especially in the synthesis of proteins from amino acids and primary complexes. (B. S. Levine)

GOLUBITSKAYA, R. I.

GOLUBITSKAYA, R.I.

USSR/Human and Animal Physiology. Neuromuscular Physiology. T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36814.

Author : Nikitin, V.N., Golubitskaya, R.I., Silin, O.P.  
Likhushina, L.G., Blok, L.N.

Inst : Kharkov University.

Title : Changes in Biochemistry of Denervated Organs Occuring  
During Growth Periods. I. Changes of Some Biochemical  
Indices of Striated Muscles Following Denervation and  
Tenotomy During Growth.

Orig Pub: Uch. Zap. Kharkovsk un-t. 1956, 68, 79-99.

Abstract: Experiments were carried out on rats aged 1.4 months  
to 1.4 years. On the 21st day following removal of  
the Achilles tendon a decrease was noted in the  
muscles of the foot of the ATP, creatinephosphate,  
glycogen, acid soluble P, Lipoid P.P. PNC and DNC

Card : 1/2

U.S.S.R. / Human and Animal Physiology. Liver. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22290.

Author : Nikitin, V. N., Golubitskaya, R. I., Silinop,  
Stovitskaya, L. P.

Inst : Univ. of Kharkov.

Title : Quantitative Biochemical Changes in Denervated  
Organs. (II). Quantitative Changes of Some  
Biochemical Liver Factors Following Denervation.

Orig Pub: Uch. zap. Kharkovska. Un-t, 1956, 68, 101-116.

Abstract: The liver of rats 1-3 months and 1-2 yrs. old  
was denervated by section of both vagus nerves  
and excision of the solar plexus. Animals,  
which only underwent laparotomy, served as con-  
trols. Twenty days post-operatively, it was  
noted that the weight of all the rats decreased  
more markedly in the animals one month, one and

Card 1/2

U.S.S.R. / Human and Animal Physiology. Liver.

T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22290.

Abstract: two years old. In comparison with the 3 month old animals, the weight of the liver decreased more markedly in animals one month and 2 yrs. old. Biochemical liver changes following denervation (decrease of residual N, lipoidal and acid soluble phosphorus and glycogen) were more pronounced in the old animals. The P-desoxyribonucleic acid content and the ribonuclease activity in the liver following its denervation, increased in all animals.

Card 2/2

85

NIKITIN, V.N.; GOLUBITSKAYA, R.I.

Stimulation of protein synthesis in liver homogenates by adenosine triphosphate in ontogenesis. *Biokhimiia* 24 no.6:1023-1025 N-D '59.  
(MIRA 13:5)

1. Research Institute of Biology, the State University, Kharkov.  
(PROTEINS metab.)  
(LIVER metab.)  
(ADENYLPHOSPHATE pharmacol.)

NIKITIN, V.N.; GOLUBITSKAYA, R.I.

Biochemical nature of age-connected attenuation of protein synthesis in the animal organism. Report No.2: Stimulation of protein synthesis in liver homogenates by adenosine triphosphate and its ontogenetic variations. Uch, zap KHGU 108:95-102 '60.

(MIRA 14:3)

1. Otdel vozrastnoy fiziologii Nauchno-issledovatel'skogo instituta biologii Khar'kovskogo gosudarstvennogo universiteta.

(PROTEIN METABOLISM)

(ADENOSINE TRIPHOSPHATE)

(AGE)

NIKITIN, V.N.; GOLUBITSKAYA, R.I.

Age peculiarities of the effect of adenosine triphosphate injections  
on nucleic acids of the liver of white rats. Uch. zap KHGU 108:  
103-108 '60. (MIRA 14:3)

1. Otdel fiziologii zhivotnykh Khar'kovskogo gosudarstvennogo  
universtiteta.

(ADENOSINE TRIPHOSPHATE)  
(AGE)

(NUCLEIC ACIDS)



NIKITIN, V.N.; GOLUBITSKAYA, R.I.

Ontogenesis of functional reactivity of a denervated liver. Uch.  
zap KHGU 108)181-189 '60. (MIRA 14:3)

1. Otdel fiziologii zhivotnykh Nauchno-issledovatel'skogo instituta  
biologii Khar'kovskogo gosudarstvennogo universiteta.  
(LIVER—INNERVATION) (AGE)

GETTA, G.I., kand. veterin. nauk; KOZLOV, N.A., veterin. vrach; BAYKOV, M.L., veterin. fol'dsher; SLEPNEV, N.K., veterin. vrach; GOLUBITSKAYA, S.B., student; BOREYCHENKO, V.A., student; SINKEVICH, E.F., student; SHMUREY, P.K., student

Results of testing phenothiazine against warble fly infestation of cattle. Veterinariia 38 no.2:28-32 F '61.

(MIRA 18:1)

1. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institut (for Getta). 2. Omskiy sel'skokhozyaystvennyy tekhnikum (for Zotov). 3. Tukhomichskiy veterinarnyy uchastok, Kholmnskogo rayona, Novgorodskoy oblasti (for Kozlov, Baykov). 4. Volkovyskiy veterinarnyy tekhnikum (for Slepnev, Golubitskaya, Boreychenko, Sinkevich, Shmurey).

22(1)

SOV/3-59-3-46/48

AUTHOR: Golubitskiy, A.F., Candidate of Technical Sciences,  
Docent

TITLE: Bibliography (Bibliografiya). A Textbook on Steel  
Construction (Uchebnik po stal'nyy konstruktsiyam)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 93 - 94  
(USSR)

ABSTRACT: In the article, N.D. Zhudin's book "Steel Construc-  
tions" is reviewed. The USSR Ministry of Higher  
Education has recommended it as a textbook for en-  
gineering and construction vuzes. It was published  
in 1957 by the Izdatel'stvo literatury po stroitel'-  
stvu i arkhitekture (Publishing Office for Literature  
on Building and Architecture). There is 1 Soviet  
reference.

ASSOCIATION: Azerbaydzhanskiy politekhnicheskiy institut (Azer-  
baydzhan Polytechnical Institute)

Card 1/1

L 5427-66 EWT(1) GW

ACCESSION NR: AP5019772

UR/0051/65/019/002/0306/0307  
535.23 : 525.7

AUTHOR: Colubitskiy, B. M. <sup>44,55</sup>

TITLE: On the calculation of the thermal radiation of the atmosphere

SOURCE: Optika i spektroskopiya, v. 19, no. 2, 1965, 306-307

12,44,55

49  
E

TOPIC TAGS: atmosphere radiation, thermal radiation, atmospheric optics, absorption spectrum, radiation intensity

ABSTRACT: The author suggests a possible way of using distorted "unresolved" spectra for the calculation of atmospheric radiation. The purpose of the investigation is to determine corrections due to atmospheric thermal radiation incident on recording instruments used in atmospheric research. The use of the method will help eliminate the difficulties resulting from the lack of knowledge of the true absorption spectra of the principal radiating molecules of the atmosphere (CO<sub>2</sub> and H<sub>2</sub>O), since these are distorted by the apparatus function of the spectral instrument. The author calculates the integral intensity of the radiation from a layer of the atmosphere, incident on a receiver of a given spectral sensitivity, and modifies the result to include the unresolved spectra obtained from spectral instruments of low resolving power. This yields a working formula which can also be

Card 1/2

L 5427-66

ACCESSION NR: AP5019772

APPROVED FOR RELEASE: 06/13/2000  
used to calculate the angular distribution of the outgoing radiation in the case of clear or totally clouded sky, assuming black body radiation from the earth, and to calculate the counter-radiation of the atmosphere. Orig. art. has: 8 pages

CIA-RDP86-00513R000515920002-7

ASSOCIATION: none

SUBMITTED: 18 Feb 65

NR REF SOV: 004

ENCL: 00

OTHER: 000

SUB CODE: ES, TD, JP

leh  
Card 2/2

39697

S/051/62/013/001/019/019  
E039/E420

24,3400

AUTHOR: Golubitskiy, B.M.  
TITLE: On the possibility of enhancing the sensitivity of the  
Fourier-spectrometry method

PERIODICAL: Optika i spektroskopiya, v.13, no.1, 1962, 149-150

TEXT: Expressions are given for the flux yield from a Michelson interferometer used as a Fourier-spectrometer both for the ideal case with an infinitely small solid angle, the parallel beam case and for the real case with a finite solid angle. By simplifying and transcribing these expressions and making use of integral Fourier transforms a connection between the real  $f(t)$  and ideal  $f(t)$  interferograms is obtained in the form of an integral equation. If the known function  $f(t)$  can be reduced the permissible value of the solid angle  $\Omega$  is significantly increased. The integral equation is solved and from a consideration of the errors involved an expression is derived giving the value of any point in the range of the interferogram. By the use of this method the solid angle  $\Omega$  can be increased  
Card 1/2

On the possibility of enhancing ...

S/051/62/013/001/019/019  
E039/E420

by an order or more at resolving powers  $R = 2000$  to  $5000$ .  
The solid angle is limited by the input diaphragm (diameter  $2i$ ).  
When this is equal to  $0.2$  the solid angle  $\Omega = \pi i^2 = 0.01\pi$ .  
Hence from the relation  $\Omega R = 2\pi$  a value for the gain  $G$  is  
found:  $G = 0.005 R$ . At  $R = 3000$ ,  $G = 15$ .

SUBMITTED: March 9, 1962.

[Abstracter's note: Abridged translation.]

Card 2/2

ACC NR: AP7002452

SOURCE CODE: UR/0362/66/002/011/1200/1201

AUTHOR: Golubitskiy, B. M.; Zakirova, A. R.; Tantashev, M. V.

ORG: none

TITLE: Monte Carlo calculation of radiation transport in a homogeneous scattering sphere with a central point source

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 11, 1966, 1200-1201

TOPIC TAGS: transport phenomenon, radiation source, electromagnetic wave scattering, Monte Carlo method, angular distribution

ABSTRACT: The article deals with the angular distribution of radiation on the boundary of a homogeneous scattering sphere, in the center of which is situated an isotropic point source, using the only assumption that the scattering medium consists of a set of individually non-absorbing spherical particles, such as were discussed by D. Deiermenjian (Appl. Opt. v. 2, 187, 1964). The calculations were made with the 'Ural'-2 computer by the Monte Carlo method, making use of a known relation between any random number and its arbitrary distribution density, in this case the distribution density of the mean free paths and the scattering angles. The results were found to be in good agreement with trial calculations by means of numerical integration. It is indicated that the method can be used for calculations with arbitrary

Card 1/2

UDC: 535.36

ACC NR: AP7002452

scattering indicatrices with allowance for polarization and absorption, and also to solve more complicated problems of radiation transport. Orig. art. has: 2 figures and 4 formulas.

SUB CODE: 20/ SUBM DATE: 14Apr66/ ORIG REF: 004/ OTH REF: 001

Card 2/2



GOLUBINSKIY, I.N.

Effect of the pollen of the Compositae family on the germination of pollen in plants of other families. Biul. Glav. bot. sada, no.49:90-92 '63. (MIRA 16:8)

1. Ukrainskiy ordena Lenina nauchno-issledovatel'skiy institut rasteniyevodstva, seleksii i genetiki imeni V.Ya. Yur'yeva, Khar'kov.

(Compositae) (Pollen)

GOLUBITSKIY, S.I.

Two-line network for switching-on a caution signal. Avtom. telem.  
i sviaz' 8 no.1:35-36 Ja '64. (MIRA 17:3)

1. Starshiy inzh. Dorproyekta Belorusskoy dorogi.

S/551/61/010/000/001/001  
D051/D113

AUTHORS: Matveyev, P. S. and Golubitskiy, V. G.

TITLE: The effect of lunar and solar tidal forces on the frequency of Transcaucasian earthquakes

SOURCE: Poltava. Gravimetricheskaya observatoriya. Trudy, v. 10, Kiyev, 1961, 67-74

TEXT: The authors tried to reveal the effect of lunar and solar tidal forces on the frequency of 1813 earthquakes (intensity 3 and more) recorded in Transcaucasia from 1900 to 1950. The moments of origin of the earthquakes were distributed according to their mean (Greenwich) lunar and solar hour angles ( $\bar{t}$  and  $t$ , respectively) in eight variants according to two-hour intervals. Four of these variants reflect the particular circumstances (syzygies and quadratures for  $\bar{t}$ ; summer and winter for  $t$ ) of possible maximum lunar and solar tidal effects on earthquake frequency. The remainder express the general distribution of earthquakes for  $\bar{t}$  and  $t$  and earthquake distributions from 1900 to 1924 and from 1925 to 1950 for  $t$  (table 1). For these eight variants, twelve ordinates characterizing the

Card 1/6

The effect of lunar and solar tidal forces ... S/551/61/010/000/001/001  
D051/D113

frequency of the earthquakes during lunar and solar days were obtained. By harmonic analysis, the authors selected from the series of ordinates diurnal and semidiurnal waves which permit the frequency rate (expressed in %) to be represented as follows:

$$y = 100 + R_1 \cos(15^\circ T - f_1) + R_2 \cos(30^\circ T - f_2),$$

where  $R_1$  and  $f_1$  and  $R_2$  and  $f_2$  are the amplitudes and initial phases of the diurnal and semidiurnal waves respectively,  $T$  representing lunar or solar Greenwich time. The results of the analysis are given in table 2. Both tables show increased earthquake frequency during syzygies and the winter season. This confirms the predictions of G. Tamrazyan and others, concerning a relationship between earthquake frequency and lunar phases and seasonal changes. The authors state that the increased number of earthquakes during the syzygies (lunar and solar tidal forces are combined) can be caused by increased tidal forces, but they mainly attribute the relatively high number of earthquakes and the increase in the amplitude of the diurnal solar wave during the winter season to shortcomings in macroseismic observation (many data based on these observations were supplied by Ye. I. Byus). They

Card 2/6

The effect of lunar and solar tidal forces ...

S/551/61/010/000/001/001  
D051/D113

further consider that the diurnal solar and lunar waves are not caused by tidal effects. On the other hand, the authors believe that the greatest lunar semidiurnal wave  $M_2$  of the terrestrial tide is responsible for the frequency increase during the syzygies. A comparison between the rate of earthquake frequency and the movement of the vector of the tidal force for a point in central Transcaucasia, showed that at the time of maximum frequency the vertical component of the tidal force (wave  $M_2$ ) is directed downward, i.e. increases gravity, whereas the horizontal component is oriented in the azimuths  $214^\circ$  (general distribution) and  $190^\circ$  (syzygies). According to R. J. Brazee's studies, it can be assumed that for some regions the trigger effect of tidal forces on earthquake frequency will be preferably determined by the horizontal component of the tidal forces. This may be of importance for Transcaucasia, where, at the time of frequency maximum, the horizontal component is oriented approximately along the meridian. Seismic maps of the area, compiled by Ye. I. Byus and Ye. F. Savarenskiy distinctly show the progress of an epicentral zone in this direction. The effect of the semidiurnal solar wave could not be evaluated due to considerable fluctuations of amplitudes and phases of the found values. In their introductory historical account of research on tidal effects, the authors mention the

Card 3/6

The effect of lunar and solar tidal forces ...

S/551/61/010/000/001/001  
D051/D113

Russian scientists A. P. Orlov, A. Ye. Lagoric, and F. A. Brediknin. There are 4 figures, 2 tables and 7 references: 5 Soviet-bloc and 2 Non-Soviet references. The two English-language publications read as follows: L. Rodes, The influence of the Moon on the frequency of earthquakes, Gerl. Beitr. v. Geophys., Bd. 41, H. 2, Leipzig, 1934, S. 209-212; R. J. Brazee, Earth tides and earthquakes, Earthquake Notes Seismol. Soc. America, v. 28, No. 1, 1957.

Card 4/6

MATVEYEV, P.S.; GOLUBITSKIY, V.G.; YEVTUSHENKO, Ye.I.

Relationship between the free period of oscillation of horizontal pendulums with Zollner-type suspensions and the oscillation amplitude. Trudy Polt. grav. obser. 12:100-109 '63. (MIRA 16:9)  
(Pendulum)

GOLUBKIN, V.G., starshiy nauchnyy sotrudnik

Early planting and the Swedish fly. Zashch. rast. ot vred.  
1 bol. 8 no.10:17 0 '63. (MIRA 17:6)

1. Novosibirskaya sel'skokhozyaystvennaya opytnaya stantsiya.



LEONT'YEVA, YU.A., dotsent; GERASIMOV, B.S., dotsent; TRUSHKINA, L.R., aspirant; SOBOLEVA, Ye.M., kand. sel'skokhoz. nauk; SHARIPOV, B.S., nauchnyy sotrudnik (Tashkent); SAF'YANOV, S.P., aspirant; KRALL, E.L., kand. biolog. nauk; YULDASHEVA, Kh.Yu., mladshiy nauchnyy sotrudnik; KUZNETSOVA, P.A., agronom (Kostroma); ZHALNINA, L.S., mladshiy nauchnyy sotrudnik; SENCHENKO, M.G., mladshiy nauchnyy sotrudnik; SINITSYNA, A.A., nauchnyy sotrudnik; GOLUBEKIN, V.G., starshiy nauchnyy sotrudnik; BOGOVIK, I.V., kand. biolog. nauk (L'vov).

Brief news. Zashch. rast. ot vred. i bol. 9 no.10:52-56 '64  
(MIRA 18:1)

1. Kafedra zashchity rasteniy Kuybyshevskogo sel'skokhoz. nauchno-issledovatel'skogo instituta (for Leont'yeva, Gerasimov). 2. Samarkandskiy universitet (for Trushkina). 3. Kazakhskiy institut zashchity rasteniy (for Saf'yanov). 4. Institut zoologii i botaniki AN Estonskoy SSR, Tartu (for Krall'). 5. Sredneaziatskiy institut zashchity rasteniy (for Yuldasheva). 6. Institut lubyanykh kul'tur (for Zhalnina, Senchenko). 7. Institut sadovodstva na chernozemnoy polosy (for Sinitsyna). 8. Novosibirskaya sel'skokhozyaystvennaya opyt'naya stantsiya (for Golubkin).

MOLOTKOV'S'KIY, G.Kh.; LOPUSHANSKIY, P.I.; GOLUBIYEV, V.O.

Relation of polarity to the dynamics of formation and the distribution of ascorbic acid in the walnut. Bot.zhur. [Ukr.] 12 no.4:3-12 '55. (MLRA 9;))

(Walnut) (Ascorbic acid)

GOLUBKIN, A., inzhener.

Combination building plan for meat combines. Mias.ind.SSSR 27 no.2:  
33-34 '56. (MLRA 9:8)

1. Gipromyaso.  
(Packing houses)

MAYOROV, I.M., inzh.; GOLUBKIN, B.P., inzh.

Determining the expenditure of car-hours for car accumulation in classification yards. Zhel.-dor.transp, 45 no.12:76-77 D '63.

(MIRA 17:2)

1. Glavnyy inzh. stantsii Lyublino Moskovskoy dorogi (for Mayorov).

5(3)

SOV/153-2-3-16/29

## AUTHORS:

Spryskov, A. A., ~~Golubkin, L. N.~~

## TITLE:

Production of Radioactive Salicylic Acid

## PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i  
khimicheskaya tekhnologiya, 1959, Vol 2, Nr 3, pp 392-393 (USSR)

## ABSTRACT:

In the present paper the method by Kolbe is applied for the production of salicylic acid tagged with  $C^{14}$  in the carboxyl group. Sodium phenolate is carbonized with carbon dioxide which was obtained from  $BaC^{14}O_3$  by decomposition. An apparatus which may be used for this synthesis is schematically represented in this paper and exactly described. The finely crushed sodium phenolate is first dried at  $140^{\circ}$  with a carefully dried hydrogen current during 3-4 hours. The radioactive barium carbonate is decomposed by 95% sulphuric acid saturated with carbon dioxide under heating. The precipitated  $C^{14}O_2$  acts at  $160^{\circ}$  on the dried sodium phenolate. Carbonization lasts 5-10 hours. Air is then introduced in the reaction mixture in order to cool it. A small amount of hydrochloric acid is then

Card 1/2

Production of Radioactive Salicylic Acid

SOV/153-2-3-16/29

added for the decomposition of sodium carbonate. Radioactive salicylic acid is extracted by ether and then extracted from the extract with a sodium bicarbonate solution. After recrystallization with active carbon salicylic acid is dissolved in alcohol and the solution is poured into boiling water. Thus a pure product with the melting point  $185.5^{\circ}$  is obtained. The activity yield is in this process 45-50%. A number of experiments furnished results which were in good agreement. The course of the synthesis is exactly described. There are 1 figure and 3 references, 1 of which is Soviet.

ASSOCIATION: Ivanovskiy khimiko-tehnologicheskii institut; Kafedra organicheskoy khimii (Ivanovo Institute of Chemical Technology, Chair of Organic Chemistry)

SUBMITTED: September 30, 1957

Card 2/2

SPRYSKOV, A.A.; GOLUBKIN, L.N.

Orientation during substitution in the aromatic series. Part 8:  
Effect of the carboxyl group on the reaction of substitution  
in the benzene ring. Zhur. ob. khim. 31 no.3:901-905 Mr '61.  
(MIRA 14:3)

1. Ivanovskiy khimiko-tehnologicheskii institut.  
(Substitution(Chemistry)) (Carboxyl group)

KACHURIN, O.I.; GOLUBKIN, L.N.

Laboratory column of average effectiveness. Zav.lab. 28 no.5;  
630 '62. (MIRA 15:6)

1. Ivanovskiy khimiko-tehnologicheskoy institut.  
(Distillation apparatus)



GOLUBKIN, P.S.

Taking care of rabbits on a school rabbit farm. Biol. v shkole  
no.4:80-81 J1-Ag '61. (MIRA 14:7)

1. Zaveduyushchiy Morkinskim rayonom Mariyskoy ASSR.  
(Rabbits)

GOLUBKIN, V. M.

"Quantitative Characteristics of Topographic Complexities and Their Application in Planning Irrigation Projects." Cand Tech Sci, Moscow Inst of Engineers of Geodesy, Aerial Photography and Cartography, Min of Higher Education USSR, Moscow, 1954. (KL, No 8, Feb 55)

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

GOLUBKIN, V.M., kand.tekhn.nauk

Determining the increased indices of grading work for land  
under irrigation. Nauch. zap. MIIVKH 19:249-256 '57.

(MIRA 15:3)

(Earthwork)

KHRENOV, Leonid Sergeyeovich, prof.; NEDESHEVA, Lyudmila Pavlovna;  
VINOGRADOVA, Valeriya Arsen'yevna; GOLUBKIN, Vladimir  
Mikhaylovich; SHURYGINA, A.I., red. izd-va; ROMANOVA, V.V.,  
tekhn. red.

[Handbook on calculating analytical nets]Rukovodstvo po vy-  
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