Transactions of the Moscow Mathematical Society 158

Iokhvidov, I. S. and Kreyn, M. G. Remarks on the Article, "Spectral Theory of Operators in Spaces With Indefinite Metric I" [Trudy Mosk. matem. o-va 5 (1956)] 486

Berezin, F. A. Correction to the Article, "Some Remarks on the Theory of Spherical Functions on Symmetrical Riemannian Manifolds." (Trudy Mosk. matem. o-va 5 (1956)) 486

AVAILABLE: Library of Congress

Card 17/17

LK/jmr
6-16-58

GOLOVIN, O. N.

42-6-2/17

AUTHOR: ALEKSANDROV, P.S., GOLOVIN, O.N.

TITLE: The Moscow Mathematical Society (Moskovskoe matematicheskoye obshchestvo)

PERIODICAL: Uspekhi Matematicheskikh Nauk, 1957, Vol.12, Nr.6, pp.9-46 (USSR)

ABSTRACT: This is a report on the activity of the Moscow Mathematical Society during the last 90 years (foundation: 1867). The principal part of the report concerns the time after 1917. But also the time before the revolution is mentioned. Beside of general historical considerations relating to the Society, one finds a number of interesting statistical data (members: 1867: 12, 1913: 91, 1924: 72, 1940: 160, 1957: 261) and the following lists: 1. A complete enumeration of the lectures read by N.Ye.Zhukovskiy in the Society (1873-1920, all together 114 ones), 2. An incomplete list of deliveries from 1867-1917, 3. List of the 37 possessors of prizes distributed by the Society (1935-1956), 4. List of all deliveries from 1917-1946.
The Society publishs the periodicals "Matematicheskiy sbornik", "Uspekhi matematicheskikh nauk" and the "Trudy Moskovskogo matematicheskogo obshchestva".
The authors mention shortly the activity of the sections of

Card 1/2

The Moscow Mathematical Society 42-6-2/17

the Society arisen during the war in Kazan', Tashkent, Ashkhabad and Sverdlovsk.

AVAILABLE: Library of Congress

Card 2/2

KUROSH, Aleksandr Gennadiyevich; [redacted], O.M., red.; BRUDNO, K.F., tekhn. red.

[Lectures on general algebra] Lektsii po obshchei algebre. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 396 p. (MIRA 15:4)

(Algebra)

GOLOVIN, O.N.

Polyidentical correlations in groups. Dokl.AN SSSR 145 no.5: 967-970 '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom P.S.Aleksandrovym.
(Groups, Theory of)

GOLOVIN, O.N.

Polyidentical relations in groups and the determinable operations on a class of all groups. Trudy Mosk. mat. ob-va 12:413-435 '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

GOLOVIN, O.N.

Functor operations on the class of all groups. Dokl. AN SSSR 149 no.1:12-15 Mr '63. (MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom P.S.Aleksandrovym.
(Groups, Theory of)

GOLOVIN, O.N.

Structure of polyverbal operations. Dokl. AN SSSR 153 no.6: 1238-1241 D '63. (MIRA 17:1)

Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom A.I. Mal'tsevym.

GOLOVIN, O.P.

Stabilized low voltage sources. Prib. i tekh. eksp. 8 no.4: 110-112 Jl-Ag '63. (MIRA 16:12)

1. Ural'skiy politekhnicheskiy institut.

GOLOVIN, O.S.

Loss of power in surface core boring equipment. Zap.Len.gor. inst. 36 no.1:223-228 '58. (MIRA 12:4)
(Boring machinery) (Shaft sinking)

GOLOVIN, O.S.

Power consumption in core drilling. Zap. LGI 41 no.2:123-134 '61.
(MIRA 16:5)
(Core drilling) (Electric power)

GOLOVIN, O.S.

Selection of the capacity of the drive in raising and lowering operations in drilling deep test holes. Zap. LGI 41 no.2:135-142 '61. (MIRA 16:5)

(Boring machinery—Electric driving)

2818 Solovin, O.V.

Nematody gnatostomatidy I osobennosti ikh biologii. M., 1954. 18 s. 20 sm. (M-vo Sel'skogo Khozyaystva SSSR. Vsesoyuz. In-t Gelmintologii im. Akad. K.I Skryabina). 100 EKZ. Vesp1. -- (54-54888)

GOLOVIN, O.V.

USSR/Zooparasitology - Parasitic Worms. G-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10066

Author : Golovin, O.V.
Inst :
Title : Manifestation of Reserve Parasitism in Gnathostomatids.

Orig Pub : Uch. zap. Kalininsk. gos. ped. in-ta, 1956, 20, 215-226

Abstract : In laboratory conditions a successful infection was conducted by invasive larvae of Glathastoma hispidum from cyclops, frogs (19 samples), fish--gambusia, guppies (?), carp, and bleaks (?) (31) and white rats (2). The encapsulated larvae were localized in the body musculature of the experimental animals, where an increase in larval size was noted, and some development (differentiation of intestinal cells, appearance of nerve cells close to the esophagus, enhancement of degree of cuticle armament, etc.). Larvae which remained in fish bodies for a period of 10-15 days succeeded in infecting frogs. The finding of G.

Card 1/2

USSR/Zooparasitology - Parasitic Worms. G-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10066

hispidum encapsulated larvae in the [illegible]

Golovin, O.V.

USSR/Zooparasitology - Parasitic Worms. G-2

Abs Jour : Ref Zhur - Biol., No 4, 1958, 14938

Author : Golovin, O.V.
Inst : -
Title : Dissemination of Nematodes of the Genus Gnathostoma in the USSR.

Orig Pub : Uch. zap. Kalininsk. gos. ped. in-t, 1956, 20, 275-282

Abstract : In 1952-1955, in 7-10% of frogs in the Volga delta older than 4 years (altogether 802 frogs were dissected), larvae of gnathostoma hispidum were found. Intensity of the contamination-- 1-5 larvae. Two piglets contaminated with larvae from frogs yielded 3 and 4 sexually unripe gnathostoma after 3 months. Of 196 investigated stomachs of pigs killed at the Astrakhan meat combine, gnathostomosis (G. hispidum) was found in 38-70%, with an average intensity of contamination of 2.8. No passage of parasites was found in mucus and muscular membranes of pigs. Literature

Card 1/2

Golovin, O. V.

USSR/Nonparasitology - Parasitic Worms. G-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19997

Author : Golovin, O.V.
Inst : [redacted]
Title : Trematodes in Birds of Komi ASSR.

Orig Pub : Uch. zap. Kalininsk. gos. ped. in-t, 1956, 20, 283-289

Abstract : The first data on trematodes of birds in Komi ASSR, collected by the 265th Union Helminthological Expedition in June-September 1947 on the Pechora River. A list of parasites which includes 12 species of trematodes from 13 species of birds (kuliks (?), chickens, day-time carnivora, woodpeckers) is given according to their hosts. A description is given of Parorchis komi sp. n. (family Philopthalmidae Travassos).

Card 1/1

GOLOVIN, O.V.

Biology of the Gnatostoma hispidum Nematode. Dokl.AN SSSR 111 no.1: 242-244 N-D '56. (MLRA 10:2)

1. Gel'mintologicheskaya laboratoriya Akademii nauk SSSR. Predstavlena akademikom K.I.Skryabinym.
(NEMATODA)

SHAPOSHNIKOV, L.V., doktor biolog.nauk, prof.; GOLOVIN, O.V., kand.biolog. nauk; SOKOLOV, M.G., kand.biolog.nauk; TARAKANOV, A.D., starshiy prepodavatel'. Prinimali uchastiye: V'YUNOV, V.N.; SOKOLOV, P.P., inzh.-rybovod; VIKTOROV, G.S., tekhn.red.

[Animal world of Kalinin Province] Zhivotnyi mir Kalininskoi oblasti. Kalinin, Kalininskoe knizhnoe izd-vo, 1959. 459 p. (MIRA 13:10)

1. Nachal'nik Kalininskogo oblastnogo upravleniya okhotnich'yego khozyaystva (for V'yunov).
(Kalinin Province--Vertebrates)

GOLOVIN, G.V., kand.meditsinskikh nauk, referent (Leningrad)

Material from a discussion on the work of the editorial board of "Vestnik khirurgii" in 1958. Vest.khir. 83 no.11:143-149 N '59.
(MIRA 13:4)
(SURGERY-- PERIODICALS)

GOLOVIN, O. V.

"An Analysis of the Helminthic Fauna of Birds in the Komi ASSR."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Kalinin State Teachers Institute

GOLOVIN, O. V. and LEVIN, N. A.

"The Helminths of Shrews and Murine Rodents in the Arkhangel'sk Oblast."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Lumber and Wood Chemistry of the USSR Academy of Sciences, Arkhangel'sk

SAVINOV, V.A.; GOLOVIN, O.V.

Trichinosis in wolves and helminths of predatory animals in Kalinin Province. Nauch. trudy Kal. otd. MOIP no.2:97-99 '60. (MIRA 14:10)

(KALININ PROVINCE--WORMS, INTESTINAL AND PARASITIC)
(PARASITES--CARNIVORA)

GOLOVIN, O.V.

Abnormalities in trematodes of the genus Leucochloridium Carus, 1835. Nauch. trudy Kal. otd. MOIP no.2:101-109 '60. (MIRA 14:10)
(TREMATODA) (ABNORMALITIES (ANIMALS))

GOLOVIN, O.V.

Developmental cycle of the nematode Gnathostoma hispidum. Nauch. trudy Kal. odt. MOIP no.2:111-123 '60. (MIRA 14:10)
(NEMATODA)

GOLOVIN, O.V.

Identification tables for nematodes of the family Gnathostomatidae. (MIRA 14:10)
Nauch. trudy Kal. otd. MOIP no.2:125-129
(NEMATODA)

GOLOVIN, O.V.

Cyclops as intermediate hosts of the nematode Gnathostoma hispidum. Nauch. trudy Kal. otd. MOIP no.2:131-133 '60. (MIRA 14:10)
(NEMATODA--HOST ANIMALS) (COPEPODA)

SOV/85-58-12-20/38

AUTHOR: Golovin, P., Maj Eng

TITLE: Particular Design and Operation of the MiG-15 Jet Plane (Osobennosti konstruktsii i ekspluatatsii reaktivnogo samoleta MiG-15)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 12, pp 16-18 (USSR)

ABSTRACT: The author gives a detailed description of the single-seater MiG-15 jet plane. There are 4 diagrams, and 1 cutaway of the jet plane on 2 full pages.

Card 1/1

MAKSIMOV, V., podpolkovnik, kand.voyennykh nauk; ORESHCHENKOV, A., kapitan; MAKAROV, S., starshiy inzhener-leytenant; GOLOVIN, P., inzhener-podpolkovnik

What do you suggest? Av.i kosm. 45 no.8:70-71 '62. (MIRA 15:8)
(Aeronautics, Military)

CHUGUNOV, N., general-mayor aviatsii; GOLOVIN, P., inzhener-podpolkovnik

Find the main thing, work purposefully. Komm. Vooruzh. Sil 4 no.4:33-38 F '64. (MIRA 17:9)

GOLOVIN, P.A.

86-58-5-27/38

AUTHOR: Bardadymov, I. I., Engr Lt Col, and Golovin, P. A., Engr Maj

TITLE: Checking the Condition of Hydraulic Boosters (Kontrol' ispravnosti gidrousilitelya)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 5, pp 66-69 (USSR)

ABSTRACT: The authors describe various defects in hydraulic boosters and recommend that their condition be checked systematically, not only aboard the aircraft, but also on special test stands. The diagrams of two such stands appear in the article. There are 2 diagrams and one photograph.

AVAILABLE: Library of Congress

1. Hydraulic systems - Test methods 2. Air force operations USSR

Card 1/1

GOLOVIN, P. M.

GOLOVIN, P. M. - st. nauchn. sotr. i, ESTRIN, M. I. - inzh.

Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta stroitel'nogo i dorozhnogo mashinostroyeniya

ISSLEDOVANIYE MASHIN DLYA TSEMENTNO-BETONNYKH POKRYTIY

Page 143

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

GOLOVIN, P. N.

KAZIMIROV, A. YE., Inzhener i GOLOVIN, P. N., St. Nauchn. Sotr. i RABINOVICH, S. S., Inzhener
Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta stroitel'nogo i dorozhnogo mashinostroyeniya

VYBOR RATSIONAL'NOGO PROFILYA, KONSTRUKTSII KREPLENIYA I SOYEDINENIYA REL'SOVYKH FORM S IZGOTOVLENIYEM OPYTNYKH OBRAZTSOV I ICH ISPYTANIYEM

page 144

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

1. GOLOVIN, PROF. P. N.

2. USSR (600)

4. Fungi

7. Evolution and phylogeny of powdery mildew fungi. Biul. Srednemar. un. no. 25, 1947

9. Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

GOLOVIN, P.N., professor, doktor biologicheskikh nauk.

Using fungi as an agent to combat San José scale. Biul SAGU no.28:57-68 '49. (MLRA 9:5)
(San Jose scale) (Fungi, Pathogenic)

1. GOLOVIN, P. N.

2. USSR (600)

7. Pyatnistost' Kostochkovykh Porod Plodvykh Derev'yev i Mery Bor'by s Ney (Spotting of Drupe Fruit Trees and Measures for Combatting It), 17 pp. Tashkent, 1950.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

GOLOVIN, P.N., professor, doktor biologicheskikh nauk; ZAKHIDOV, T.Z., professor, redaktor; KOROVIN, Ye. P., professor, redaktor.

[New fungous species of Central Asia] Novye vidy gribov Srednei Azii. Tashkent, Ind.Sredneaziatskogo gos. univ.1950.45 p.(Tashkent. Universitet. Trudy Sredneaziatskogo gosudarstvennogo universiteta, no.14, Biologicheskie nauki, no.5) (MLRA 9:2)
(Soviet Central Asia--Fungi)

1. GOLOVIN, P. N.
2. USSR (600)
4. Mildew
7. New species of Uncinula on the Far Eastern maple, Bot. mat. spor. rast. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

GOLOVIN, P. N.

Bolezni khlopchatnika (Cotton diseases). Tashkent Izd. Akad. nauk Uzbekskoi SSR, 1953. 79 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 6, Sep. 1954

GOLOVIN, P.N.

New forms of Sphaerotheca fuliginea Poll. (De formis novis Sphaerothecae fuligineae Poll.). Bot.mat.Otd.spor.rast. 9:119-123 My '53. (MLRA 7:2)
(Fungi)

GOLOVIN, P.N.

New forms of fungi of the genus Erysiphe (De formis novis fungorum generis Erysiphe). Bot.mat.Otd.spor.rast. 9:123-129 My '53.
(MLRA 7:2)
(Ascomycetes)

GOLOVIN, P. N.

Bondartsev, Appolinarii Semenovich, 1877 -

A. S. Bondartsev, oldest Russian mycologist-phyto-pathologist. Bot. zhur. 38, No. 1, 1953.

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

GOLOVIN, P.N.

Monographic survey of the genus Leveillula Arnaud (powdery mildew fungi, fam. Erysiphaceae). Trudy Bot. inst. Ser.2 no.10:195-308 '56.
(Mildew) (MLRA 10:2)

GOLOVIN, P.N.

"Variability of cereal rust species." M.A.Mkhitarian. Article reviewed by P.N. Golovin. Bot.zhur.41 no.1:106-108 Ja '56. (Uredineae) (MLRA 9:6)

GOLOVIN P.N.

BONDARTSEV, A.S.; GOLOVIN, P.N.

"Species of parasitic fungi of the genus Cylindrosporium Grev. in the Nukha-Zakataly zone of Azerbaijan." G.R.Ibragimov, T.M. Akhundov. Reviewed by A.S.Bondartsev, P.N.Golovin. Bot.zhur. 41 no.9:1386-1387 S '56. (MLRA 9:11)

1. Botanicheskiy institut imeni V.L.Komarova nauk SSSR, Leningrad.
(Azerbaijan--Fungi) (Ibragimov, G.R.) (Akhundov, T.M.)

GOLOVIN, P.N.

A survey of the fungi of Kara Kum. Trudy Bot.inst.Ser.2 no.10:179-194 '56. (MLRA 10:2)
(Kara Kum--Fungi)

[redacted]

Materials on a monograph on powdery mildew fungi (family Erysiphaceae) in the U.S.S.R. Trudy Bot.inst.Ser.2 no.10:309-366 '56. (MLRA 10:2)
(Mildew)

GOLOVIN, P.N.

Species as a complex taxonomic unit in fungi [with summary in English] Vest. LGU 13 no.9:14-24 '58. (MIRA 11:6)
(Fungi, Phytopathogenic)

KOSHKELOVA, Yelena Nikolayevna; GOLOVIN, P.N., prof., red.;
MAYOROVA, Yu.M., red. izd-va; MIROYEDOVA, A.N., tekhn. red.

[Materials on the mycoflora of Turkmenistan] Materialy k mikoflore Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1959. 180 p. (MIRA 15:5)
(Turkmenistan—Fungi)

VAKIN, A.T., prof.; GOLOVIN, P.N., prof., doktor biolog.nauk; DOBROZRAKOVA, T.L., dotsent; ZHURAVLEV, I.I., doktor sel'skokhoz.nauk; POLYAKOV, I.M.; SOKOLOV, D.V., dotsent; STEPANOV, K.M., doktor biolog.nauk; TUPENEVICH, S.M., prof.; FEDORINCHIK, N.S., kand.sel'skokhoz.nauk; FEDOTOVA, T.I., doktor sel'skokhoz.nauk; KHOKHRYAKOV, M.K., doktor biolog.nauk; CHIGARNV, G.A., kand.sel'skokhoz.nauk; YATSENKO, I.P., prof. [deceased]; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[A phytopathologist's dictionary - reference book] Slovar'-spravochnik fitopatologa. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 414 p. (MIRA 13:1)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Polyakov).

(Plant diseases--Dictionaries)
(Russian language--Dictionaries)

VAKIN, A.T.; VASIL'YEVA, L.N.; GOLOVIN, P.N.; KOMARNITSKIY, N.A.; LITVINOV, M.A.; SOSIN, P.Ye.; STRAKHOV, T.D.; TETEREVNIKOVA-BABAYAN, D.N.; CHERKEMISINOV, N.A.; SHCHERBINA, T.S.

"Bracket fungi of the European part of the U.S.S.R. and the Caucasus" by A.S. Bondartsev. Reviewed by A.T. Vakin and others. Bot. zhur. 44 no.3:412-414 Mr '59. (MIRA 12:7)
(Wood-decaying fungi) (Bandartsev, A.S.)

GOLOVIN, Petr Nikolayevich; SAVICH, V.P., prof., zasluzhennyy deyatel' nauki, otv.red.; ZAMARAYEVA, R.A., tekhn.red.

[Powdery mildew fungi parasitic on cultivated and wild useful plants] Muchnisto-rosianye griby, parasitiruiushchie na kul'turnykh i polezuykh dikikh rasteniiakh. Moskva, Izd-vo Akad. nauk SSSR, 1960. 262 p. (MIRA 13:4)
(Mildew)

GOLOVIN, P.N.; BONDARTSEV, A.S.

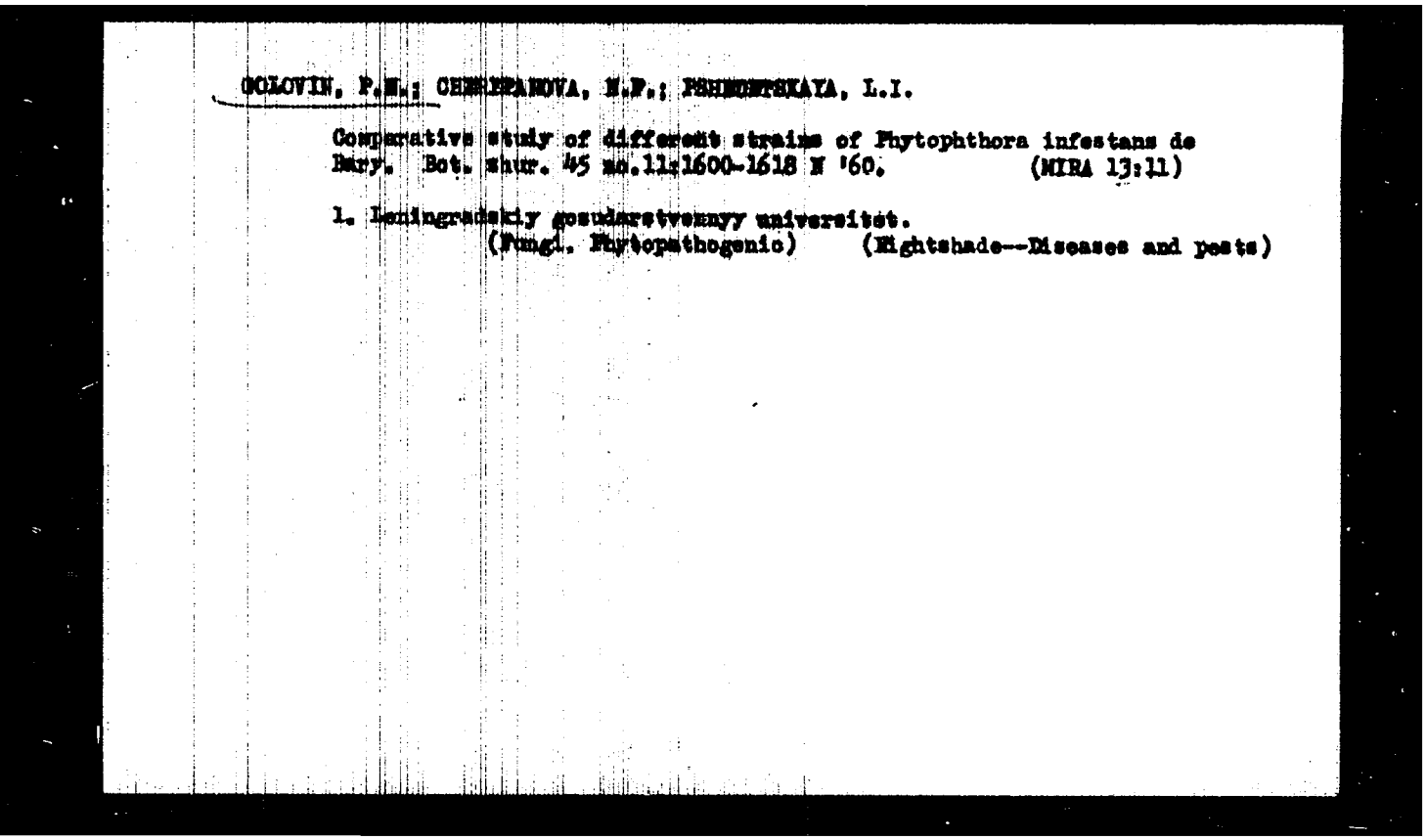
"Colemansia almaatensis S. Swarsman sp. nova, a new fungus species" by S.R.Shvartsman. Reviewed by P.N.Golovin, A.S.Bondartsev. Bot.zhur. 45 no.3:454-455 Mr '60. (MIRA 13:6)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR, Leningrad.
(Kazakhstan--Phycomycetes)
(Swarsman, S.)

GOLOVIN, P.N.

"Morphological characters of Gasteromycetes from the standpoint of their adaptive significance" by P. E. Sosin. Reviewed by P. N. Golovin. Bot. zhur. 45 no.4:613 Ap '60. (MIRA 14:5)

1.Botanicheskiy institut im. V. L. Komarova AN SSSR, Leningrad.
(Gasteromycetes)



OGLOVIN, P.N.; CHERKEZOVA, N.P.; PSHENICHNAYA, L.I.

Comparative study of different strains of Phytophthora infestans de Bary. Bot. zhur. 45 no.11:1600-1618 N '60. (MIRA 13:11)

1. Leningradskiy gosudarstvennyy universitet.
(Fungi, Phytopathogenic) (Nightshade--Diseases and pests)

GOLOVIN, P.N.; BUNKINA, I.A.

New species and forms of fungi in East Asia. Bot. mat. Otd. spor. rast. 14:115-120 Ja'61. (MIRA 17:2)

GOLOVIN, P.N.

In memory of Anatolii Grigor'evich Pospelov (1898-1960). Bot. zhur. 46 no. 2:293-294 F '61. (MIRA 14:2)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad.
(Pospelov, Anatolii Grigor'evich, 1898-1960)

GOLOVIN, P.N.

Priority of Russian scientists on basic problems concerning the origin and phylogeny of fungi. Trudy TashGU no.187:250-256 '61. (MIRA 15:3)

1. Botanicheskiy institut AN SSSR.
(Fungi)

GOLOVIN, P.N.; GAMALITSKAYA, N.A.

New genus of the family Erysiphaceae. Bot. mat. Otd. spor. rast. 15:91-93 Ja '62. (MIRA 15:10)
(Kabakto Mountains--Mildew)

GOLOVIN, P.N., doktor biol.nauk

Fundamental problems of mycology. Vest.AN SSSR 32 no.7:122 Jl '62. (MIRA 15:7)

(MYCOLOGICAL RESEARCH—CONGRESSES)

GOLOVIN, P.N.

"Phytopathogenic macroscopic fungi in Germany; Basidiomycetes with the exception of rust and smut fungi" [in German] by Han Kreisel. Reviewed by P.N.Golovin. Bot.zhur. 47 no.3:438-439 Mr '62. (MIRA 15:3)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Germany--Fungi, Phytopathogenic)

GOLOVIN, P.N.; POPOV, P.A.

New Tertiary Microthyriaceae of the West Siberian Lowland. Bot. mat. Otd. spor. rast. 16:88-91 '63. (MIRA 16:10)

GOLOVIN, P.N.; CHEREPANOVA, N.P.

Life and scientific work of Artur Arturovich IAchevskii.
Bot. zhur. 48 no.6:918-923 Je '63. (MIRA 17:1)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.

GOLOVIN, P.N.

"Phytophthora infection of potatoes" by N.A. Naumova. Reviewed by P.N. Golovin. Bot. zhur. 49 no.2:287 F '64. (MIRA 17:6)

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR, Leningrad.

BONDARTSEV, A.S.; VLADIMIRSKAYA, M.Ye.; GOLOVIN, P.N.; TROPOVA, A.T.; KHOKHRYAKOV, M.K.; CHEREPANOVA, N.P.

Work of the mycological section of the All-Union Botanical Society during the period November 1958-December 1962. Bot. zhur. 49 no.2:311-318 F '64. (MIRA 17:6)

GOLOVIN, P.N.; BONDARTSEV, A.S.; KHOKHRYAKOV, M.K.; DOBROZRAKOVA, T.L.; TROPOVA, A.I.; CHERKEPANOVA, N.P.

Activities of the Mycological Section of the All-Union Botanical Society for the period January 1963-July 1964. Bot.zhur. 49 no.11: 1688-1692 N '64. (MIRA 18:1)

1. Vsesoyuznoye botanicheskoye obshchestvo

GOLOVIN, P.N.

Present status, problems of and prospects for the development of mycology in the U.S.S.R. Trudy VIZR no.23:64-77 '64. (MIRA 19:2)

GOLOVIN, P.N.

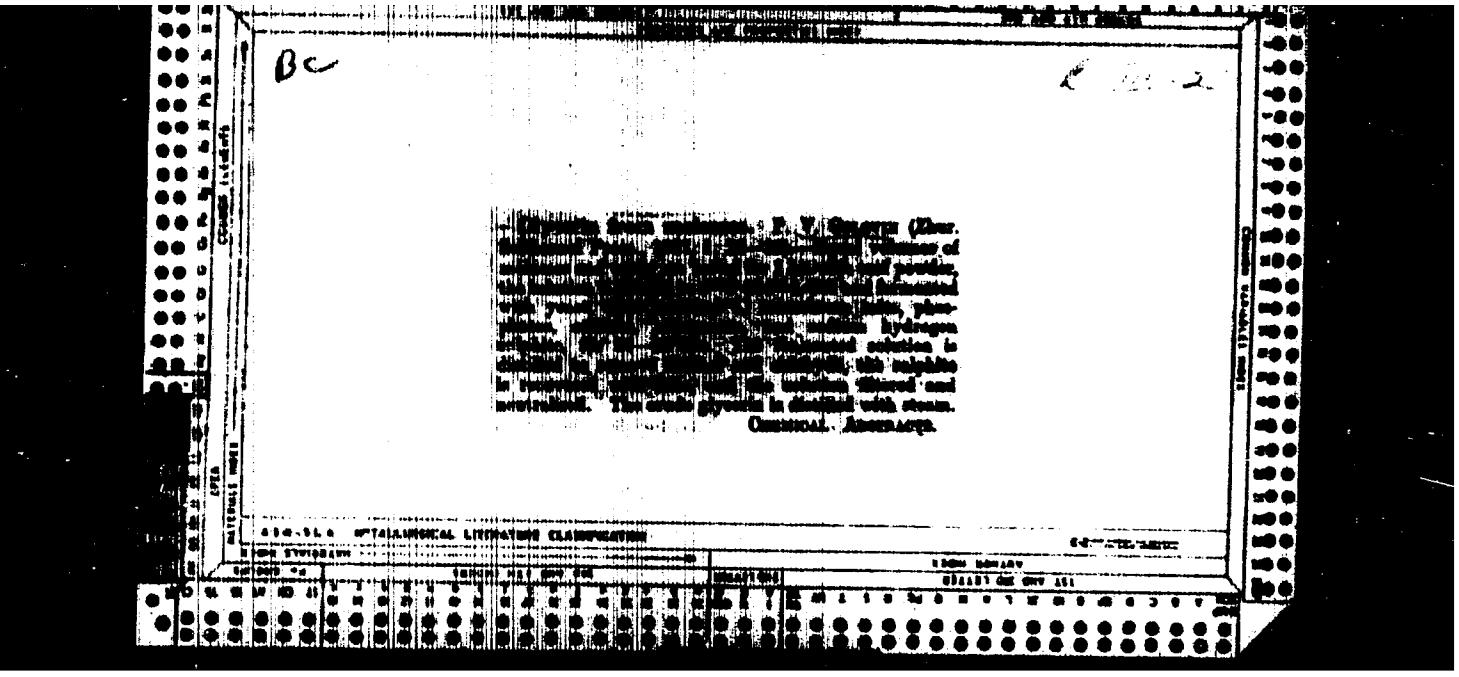
Principles of the systematics of lower fungi. Trudy VIIR no.23: 167-174 '64. (MIRA 19:2)

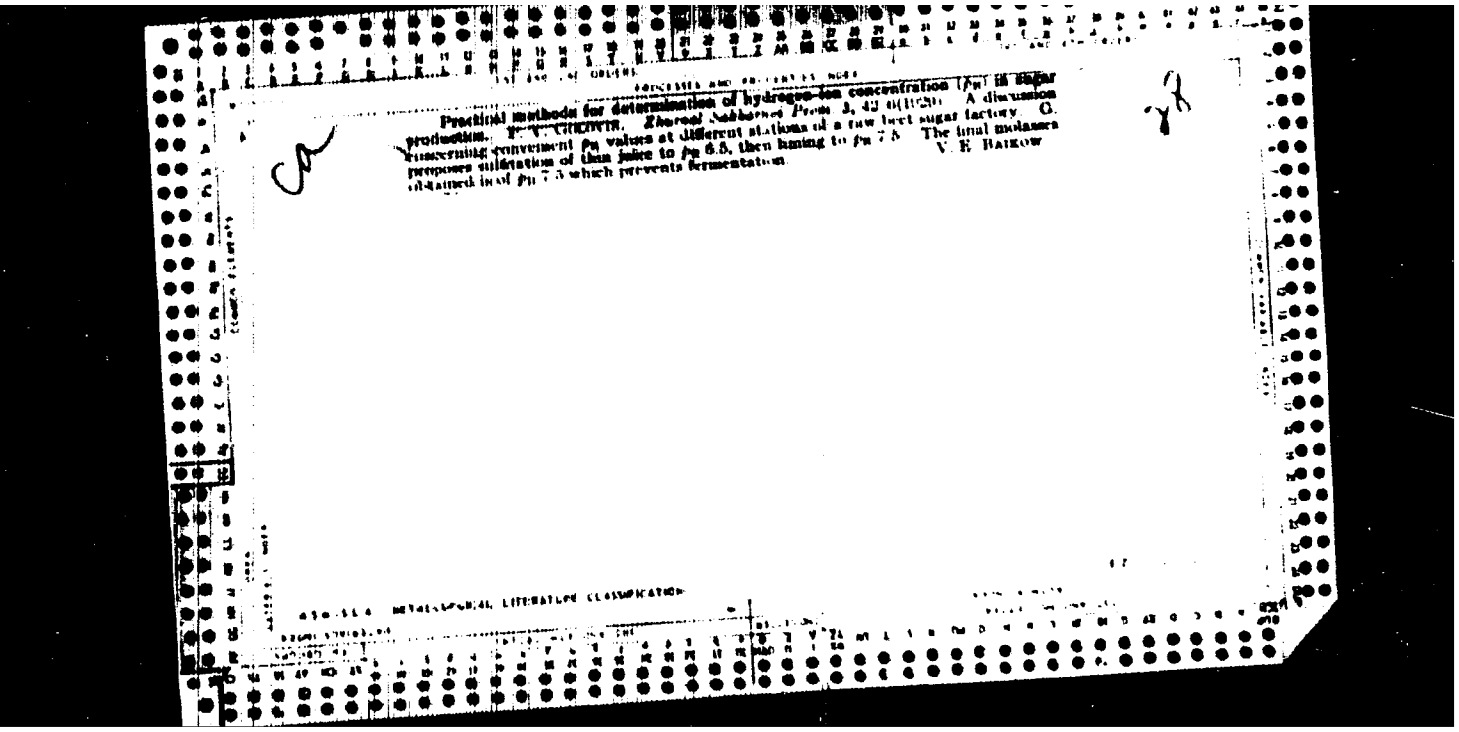
GOLOVIN, P. P.,

Electric Welding

Electric scheme for supplying current to points of electric arc welding. From. energ., No. 1, 1952

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

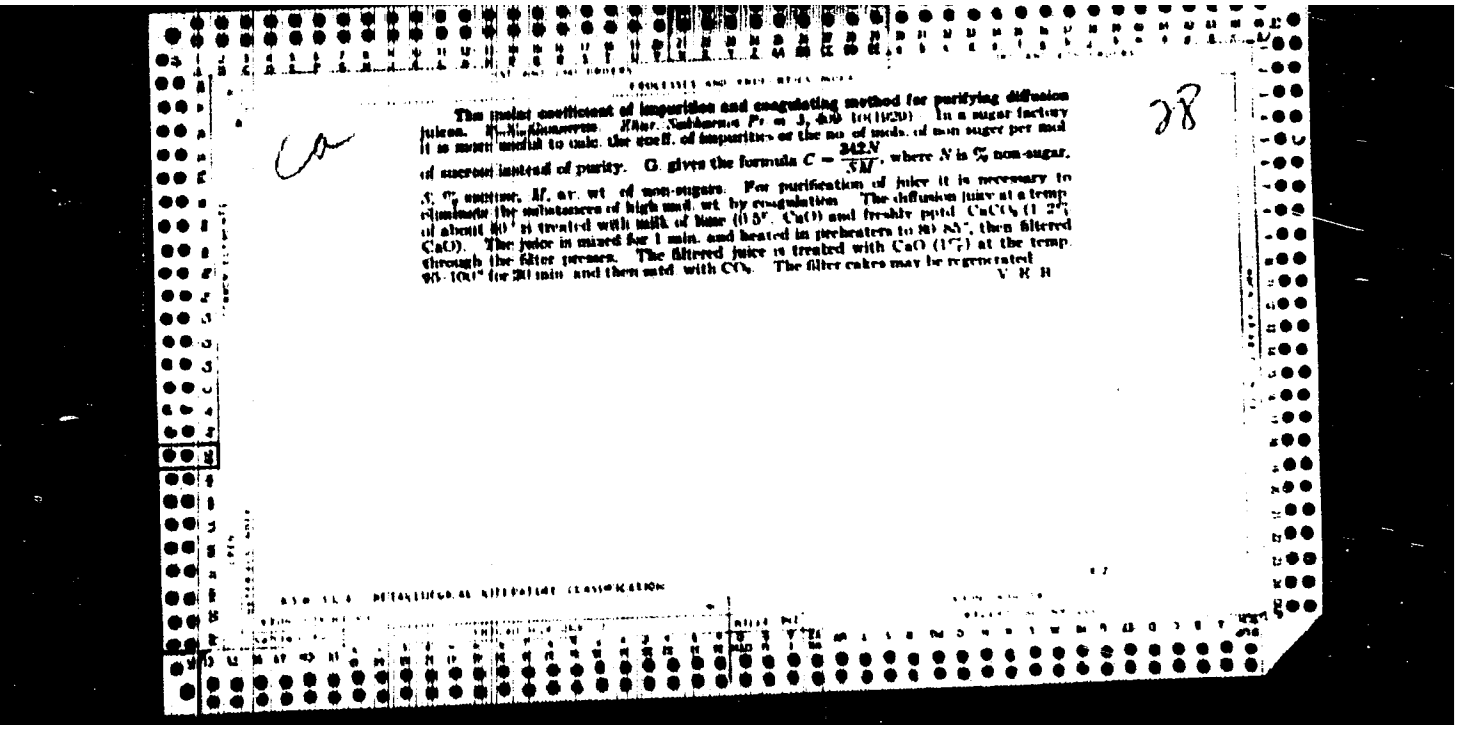




Practical methods for determination of hydrogen-ion concentration [pH in sugar production]. P. V. CICHOTA. *Zhurnal Sakharnoi Prom.* 3, 42 0(1929). A discussion concerning convenient pH values at different stations of a raw beet sugar factory. C. proposes sulfitation of thin juice to pH 6.5, then liming to pH 7.5. The final molasses obtained in pH 7.5 which prevents fermentation. V. E. Raikow

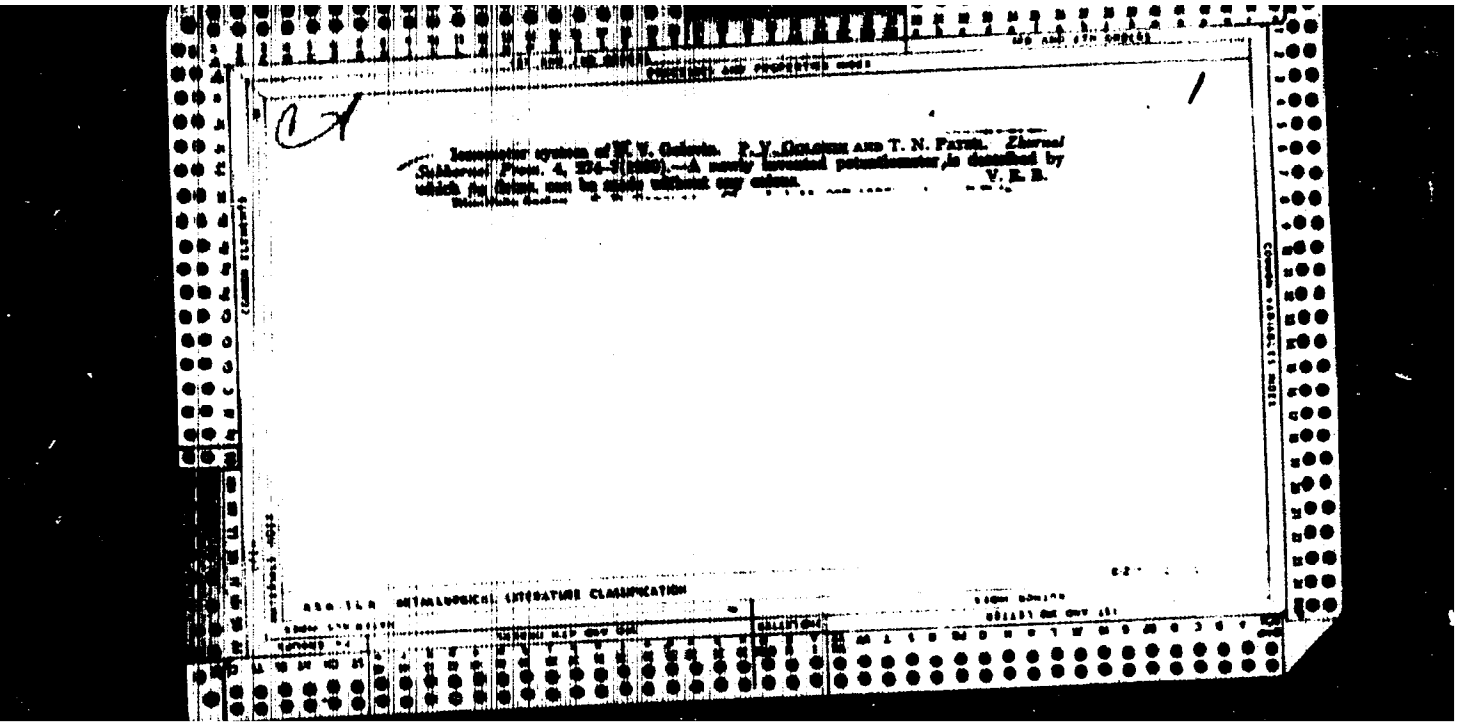
Extraction of crystallized levulose. P. V. Golovin, N. A. Hevtukhanova and A. I. Fadeeva. *Zhurnal Sakharnoi Prom.* 3, 140-2(1929).—A scheme is given for extg. cryst. levulose from chicory and artichoke. The raw material was washed and pressed with cold, then hot water. All juice collected was inverted by 0.2 N and 0.5 N H_2SO_4 at 70° during 30-45 min. and quickly cooled to 20°. The juice was then neutralized with CaO to pH 7.5-8.0 and filtered. The resulting filtrate (purity 88-90) could not be directly crystd. so it was first transformed into Ca levulosate. Milk of lime (5°) containing 2-7% CaO was cooled with ice, then the juice contg. not over 10% of sugar was added. The ratio of CaO to levulose was 1:1. A heavy white paste was obtained which was filtered and washed with ice water. The ppt. was suspended in H_2O, satd. with CO_2 and filtered. The sirup was concd. in the vacuum at 70°, $CaCO_3$ filtered out and the filtrate concd. at 85-90° to 80-86° Brix. This massecuite was agitated 30-45 min. and then held 2-3 days at rest to obtain max. crystn. The crystals were sepd., washed with diluted sirup and dried in a desiccator contg. P_2O_5. The mother liquor had a purity of about 80 and Brix of 78-80. After evapn. to 84.5 Brix, it crystd. further in 8 days. The purity of the final molasses was 55.6.

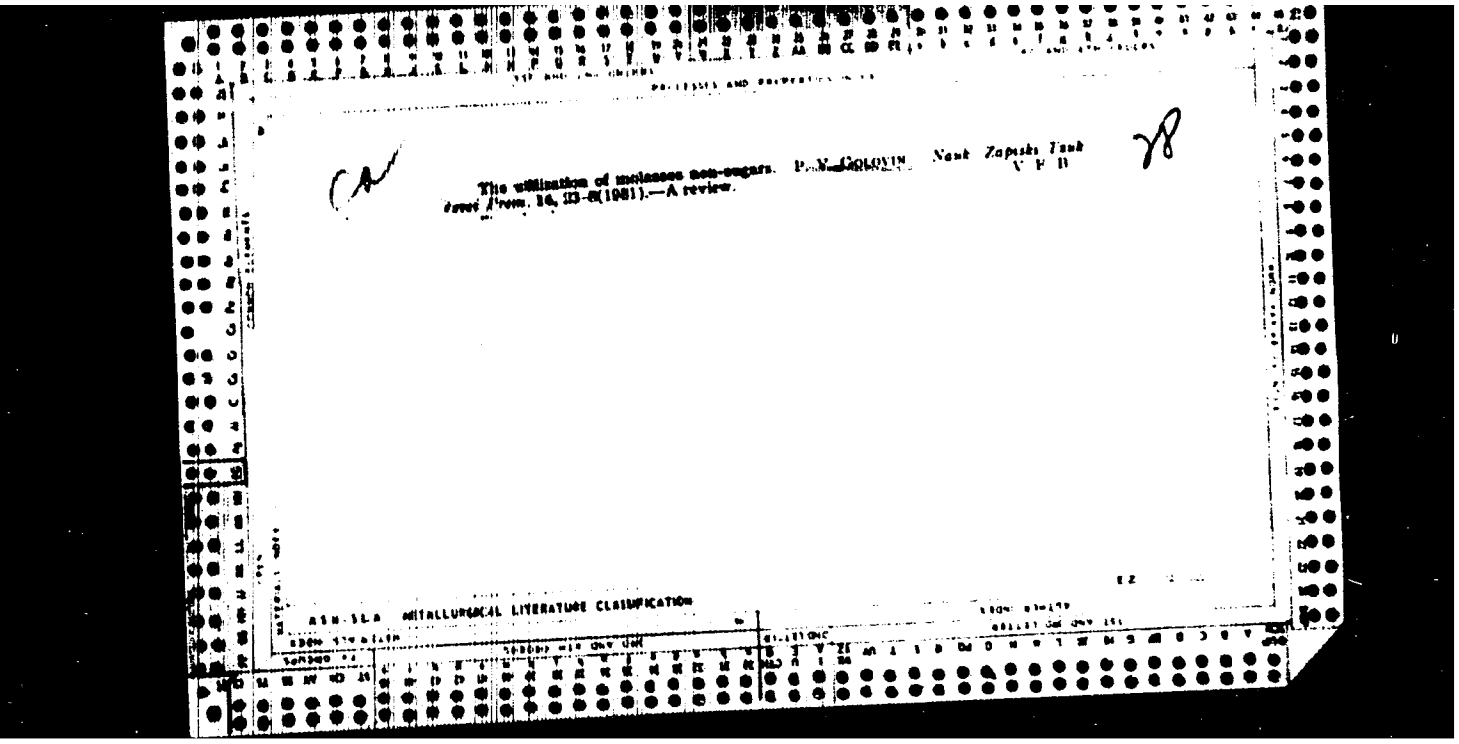
V. K. Baikow



The molal coefficient of impurities and coagulating method for purifying diffusion juices. [illegible] Hawaiian Planter 3, 430 (1929). In a sugar factory it is more useful to calc. the coeff. of impurities or the no. of mols. of non-sugar per mol of sucrose instead of purity. G. gives the formula $C = \frac{342N}{SM}$, where N is % non-sugar, S % sucrose, M av. wt of non-sugars. For purification of juice it is necessary to eliminate the substances of high mol. wt by coagulation. The diffusion juice at a temp of about 80° is treated with milk of lime (0.5% CaO) and freshly ppted $CaCO_3$ (1.2% CaO). The juice is mixed for 1 min. and heated in preheaters to 80-85°, then filtered through the filter presses. The filtered juice is treated with CaO (1%) at the temp 95-100° for 20 min. and then sated with CO_2. The filter cakes may be regenerated

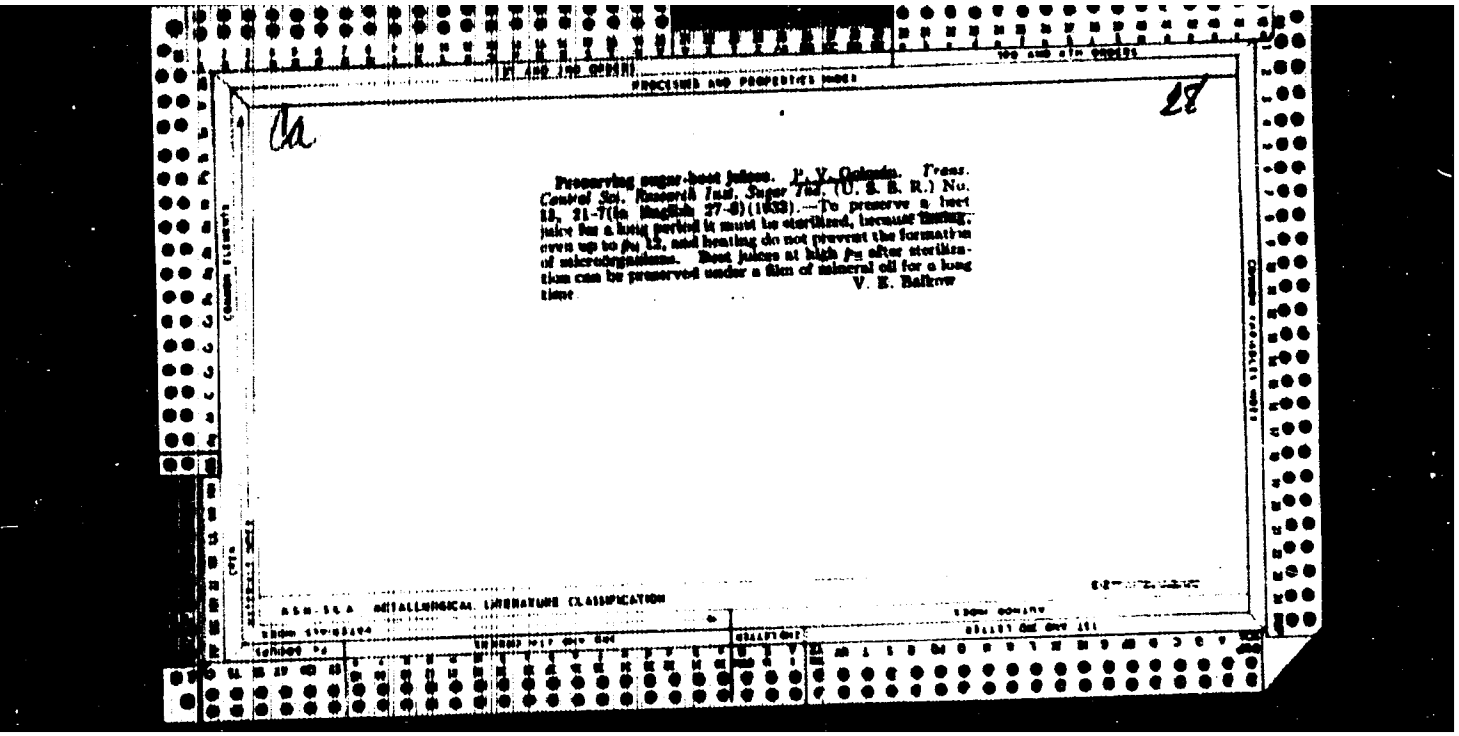
V. K. H



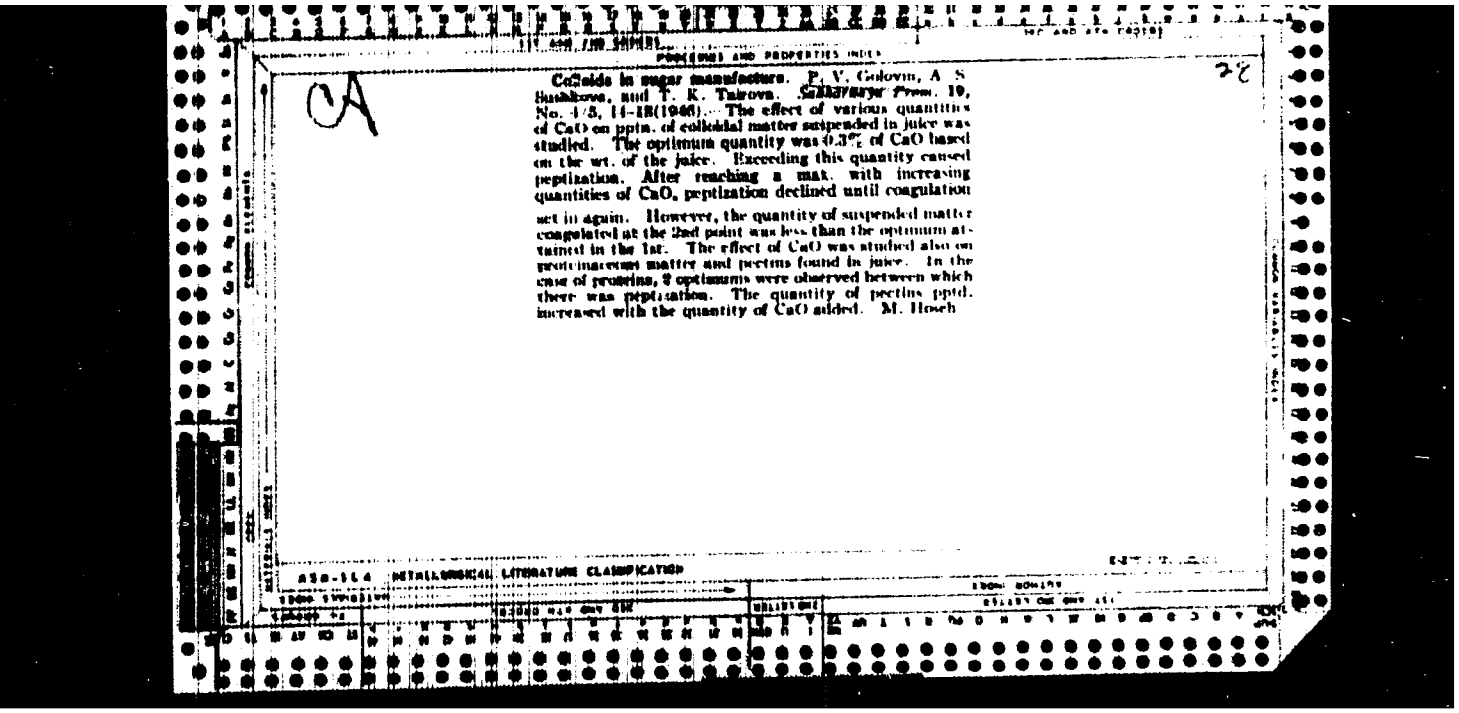


The utilization of molasses non-sugars. P. V. GOLOVIN. Nauk Zapiski Tsuk [illegible]
Zavod Prom. 14, 33-8(1981).—A review.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

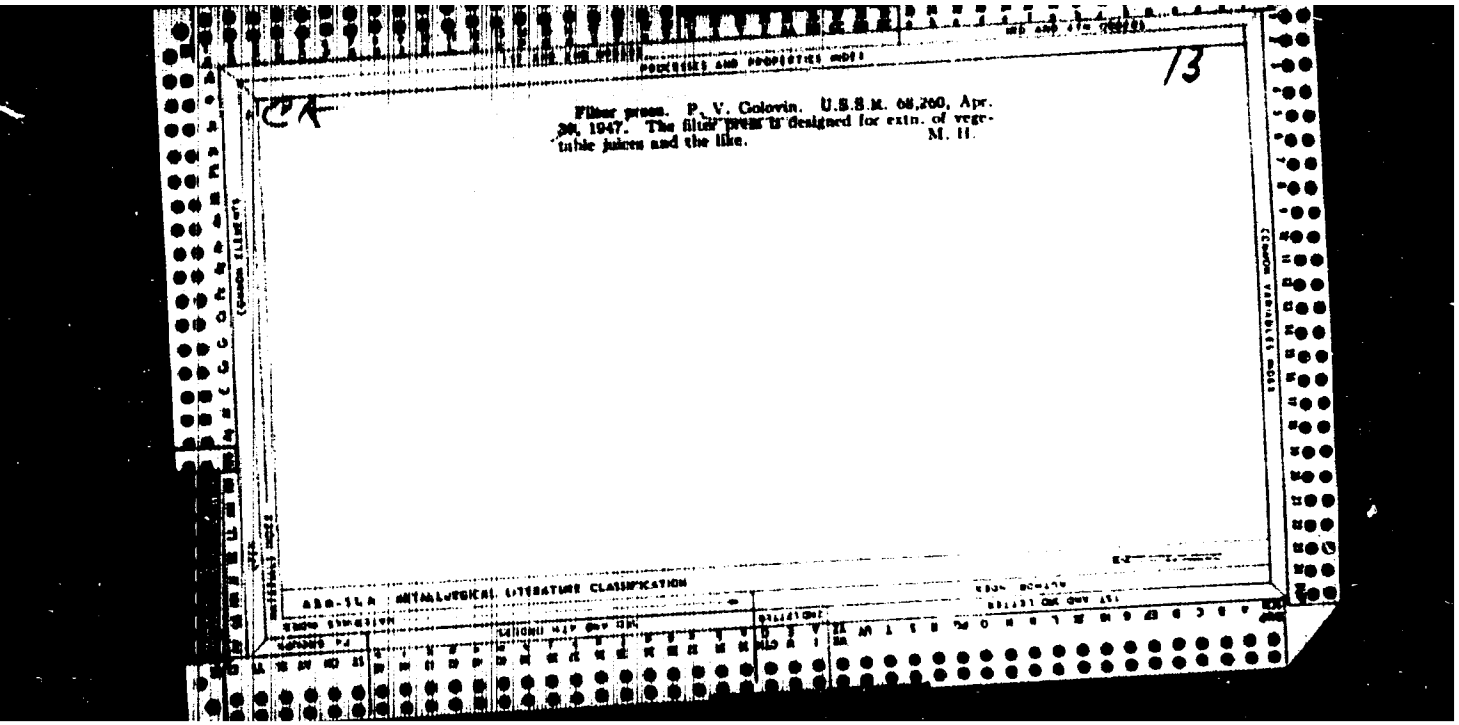


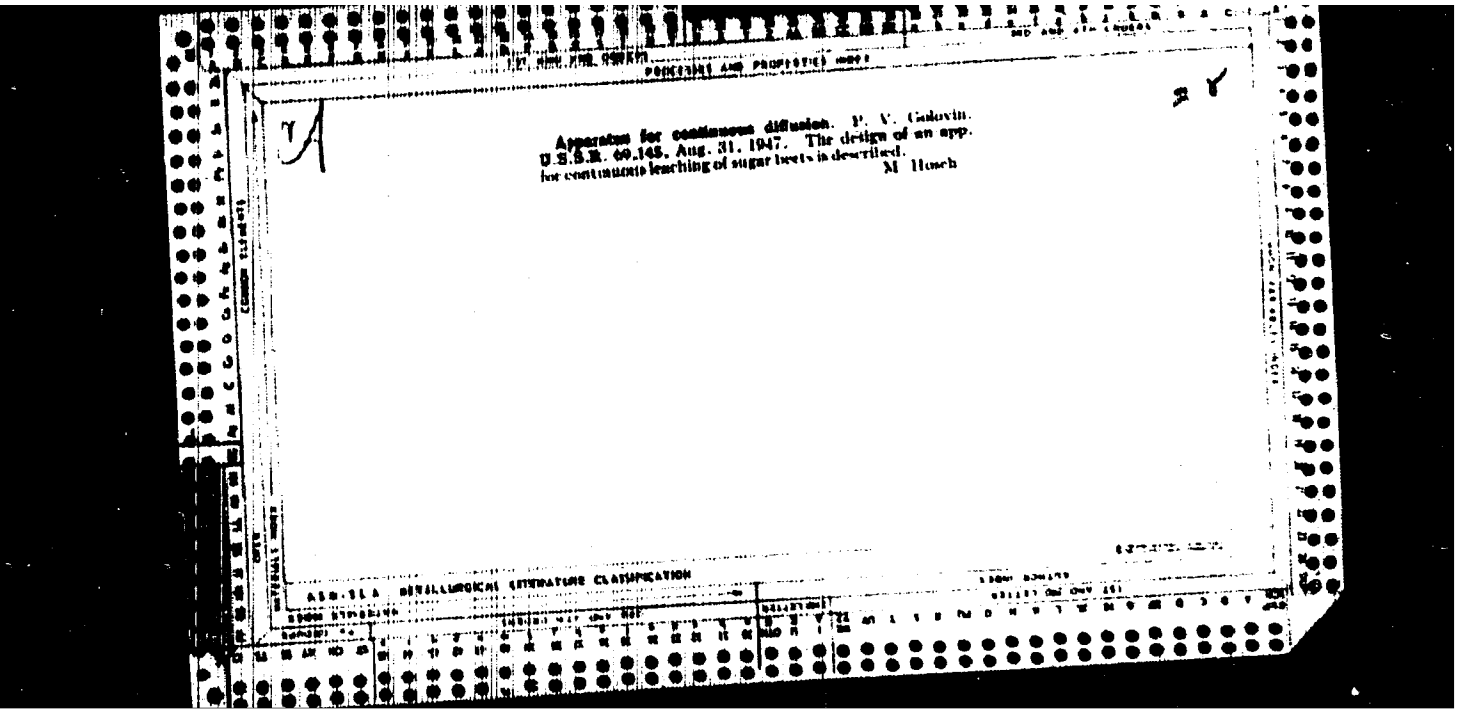
Preserving sugar-beet juices. P. V. Orlenko. Trans. Central Sci. Research Inst. Sugar Ind. (U. S. S. R.) No. 18, 21-7(in English 27-8)(1933).—To preserve a inct juice for a long period it must be sterilized, because fermg. even up to p_H 12, and heating do not prevent the formation of microorganisms. Beet juices at high p_H after sterilization can be preserved under a film of mineral oil for a long time. V. E. Baltrow



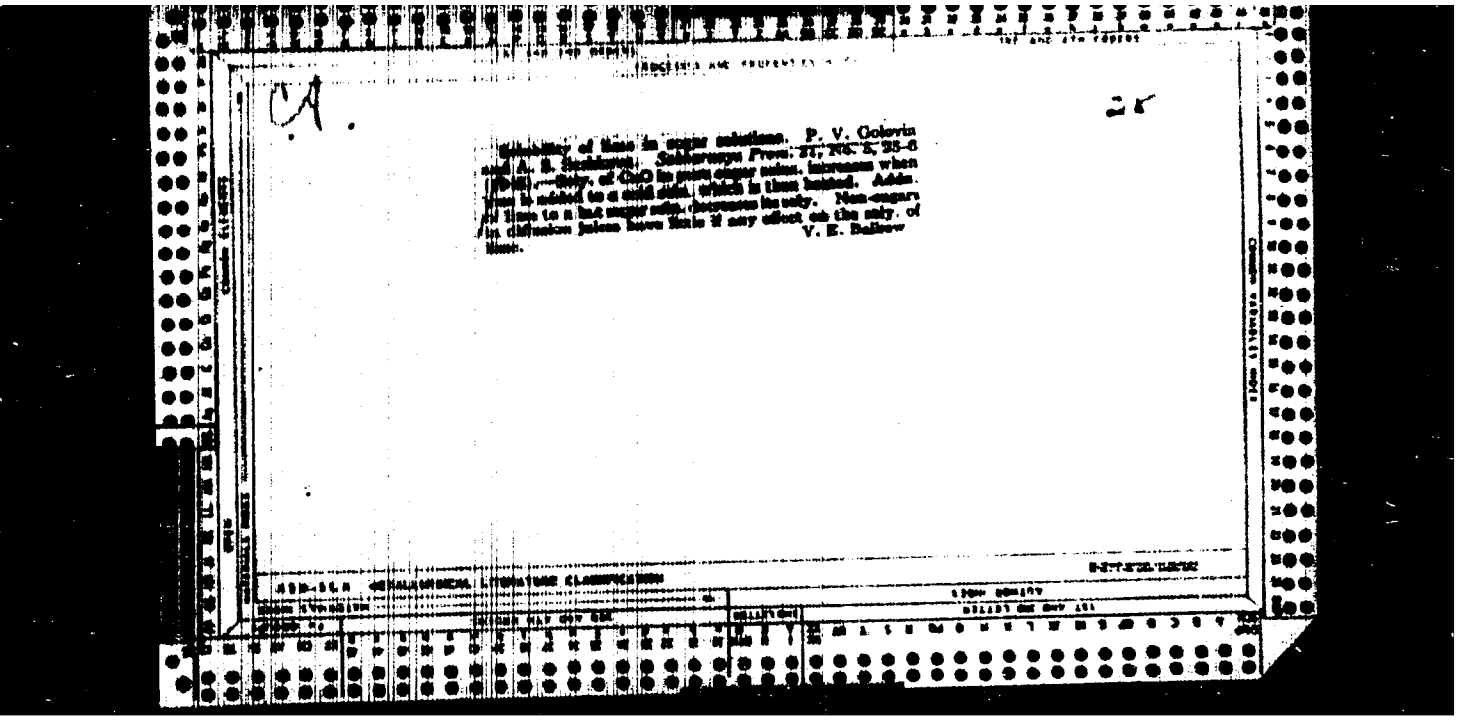
CA

Colloids in sugar manufacture. P. V. Golovin, A. S. Bushkova, and T. K. Tairova. *Sakharnaya Prom.* 19, No. 1/3, 14–18(1945).—The effect of various quantities of CaO on ppts. of colloidal matter suspended in juice was studied. The optimum quantity was 0.3% of CaO based on the wt. of the juice. Exceeding this quantity caused peptization. After reaching a max. with increasing quantities of CaO, peptization declined until coagulation set in again. However, the quantity of suspended matter coagulated at the 2nd point was less than the optimum attained in the 1st. The effect of CaO was studied also on protoinaceous matter and pectins found in juice. In the case of proteins, 2 optimums were observed between which there was peptization. The quantity of pectins ppd. increased with the quantity of CaO added. M. Hoch





Apparatus for continuous diffusion. P. V. Galovin. U.S.S.R. 69,145, Aug. 31, 1947. The design of an app. for continuous leaching of sugar beets is described.
M. Hosch



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SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

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Bolovin, P. V. "Experience from systematic investigations of the intermediate products in obtaining fructose from a group ofreducing sugars", Ukr. khim. zhurnal, Vol. XIV, Issue 2, 1949, p. 82-89.

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Golovin, P. V. "Experience in purifying dahlia juices with organolytes", (Obtaining inulin), Ukr. khim. zhurnal, Vol. XIV, Issue 2, 1949, p. 90-92.

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GOLOVIN, P.V.; ROMANKEVICH, M.Ya.; GIKKO, I.P.

Purification of saturated juice of Jerusalem artichoke by means of organic ion exchangers. II. Anionites. Ukrain. Khim. Zhur. 15, 281-4 '49. (MLRA 5:6)
(CA 47 no.22:12689 '53)

SHURISKIN, M., predsedatel'.

Decision of the editorial council of the Food Industry Publishing House on Professor P.V. Golovin's book "The Technology of Beet Sugar Production." Sakh.prom. 27 no.4:48 Ap '53. (MLRA 6:6)

1. Redaktsionnyy sovet Gosudarstvennogo tekhniko-ekonomicheskogo izdatel'stva pishchevoy promyshlennosti. (Beets and beet sugar) (Golovin, P.V.)

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GOLOVIN, P.V.; KODAN, Ye.O.

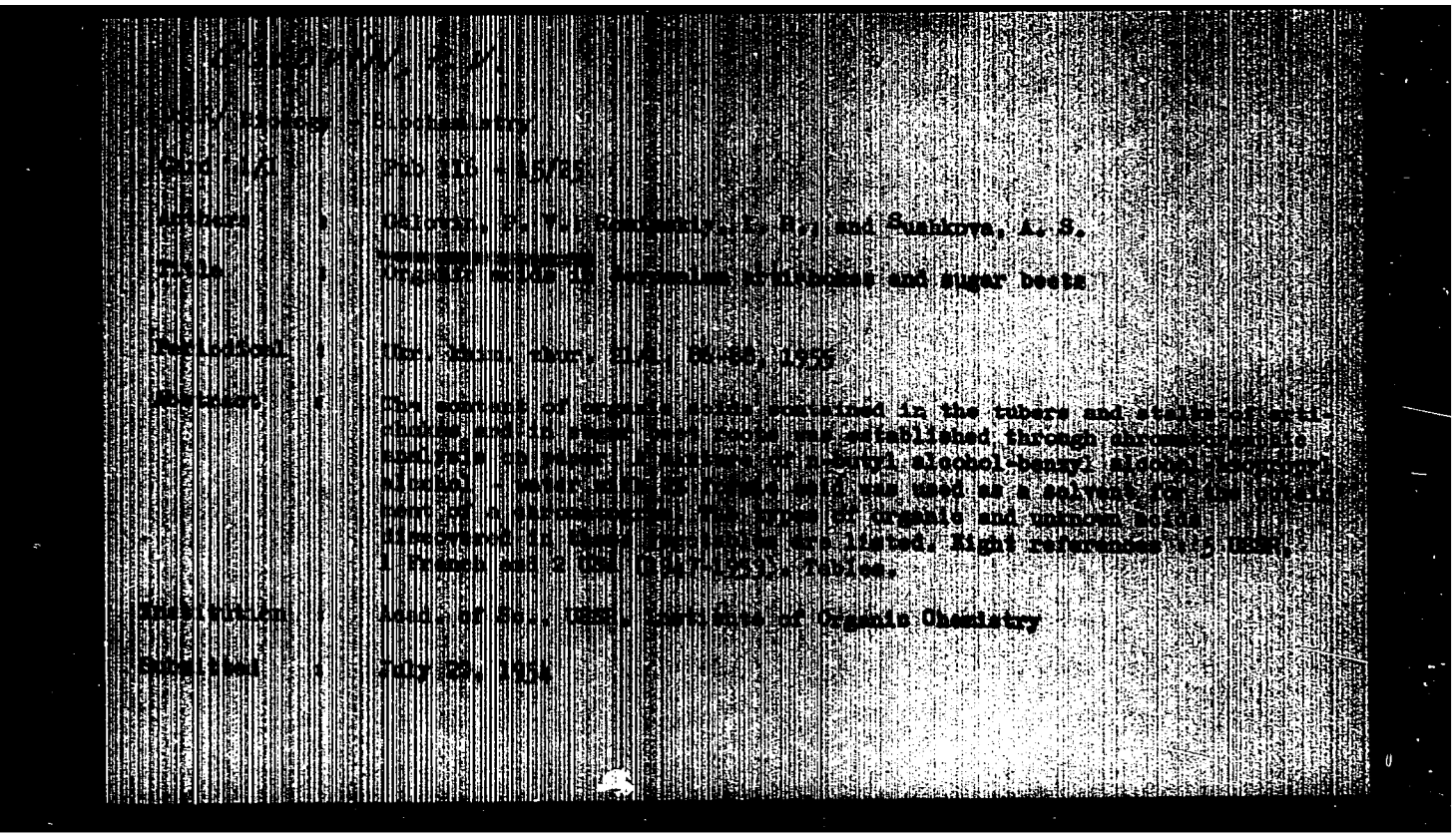
Increasing the productivity of plate and frame presses. Sakh.prom. 28 no.5:12-14 '54. (MLRA 7:9)

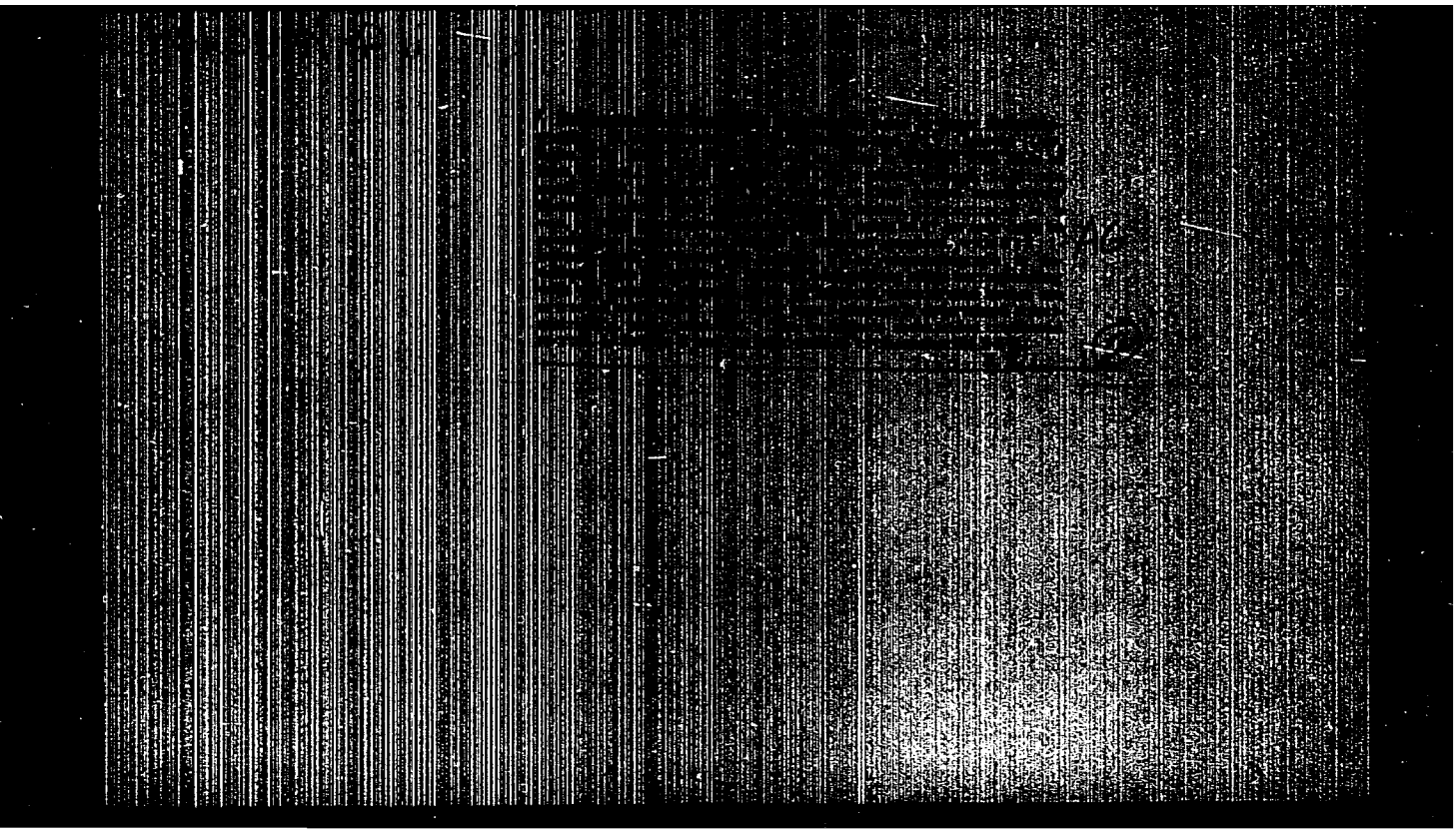
1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
(Sugar machinery)

GOLOVIN, P.V.

Theory of diffusion. Sakh.prom. 28 no.6:30-31 '54. (MLRA 7:11)

1. Institut organicheskoy khimii Akademii nauk USSR.
(Sugar industry)





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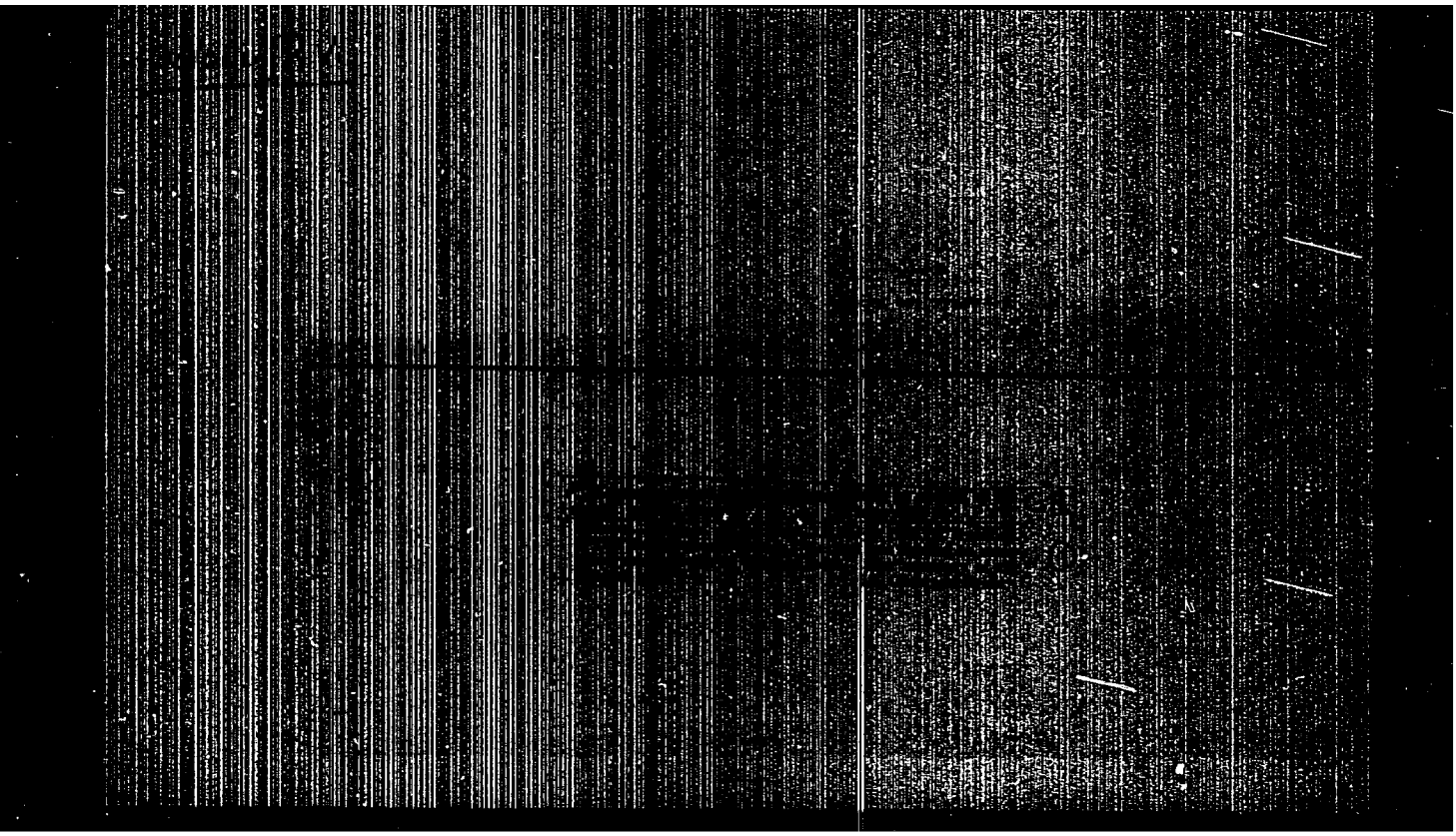

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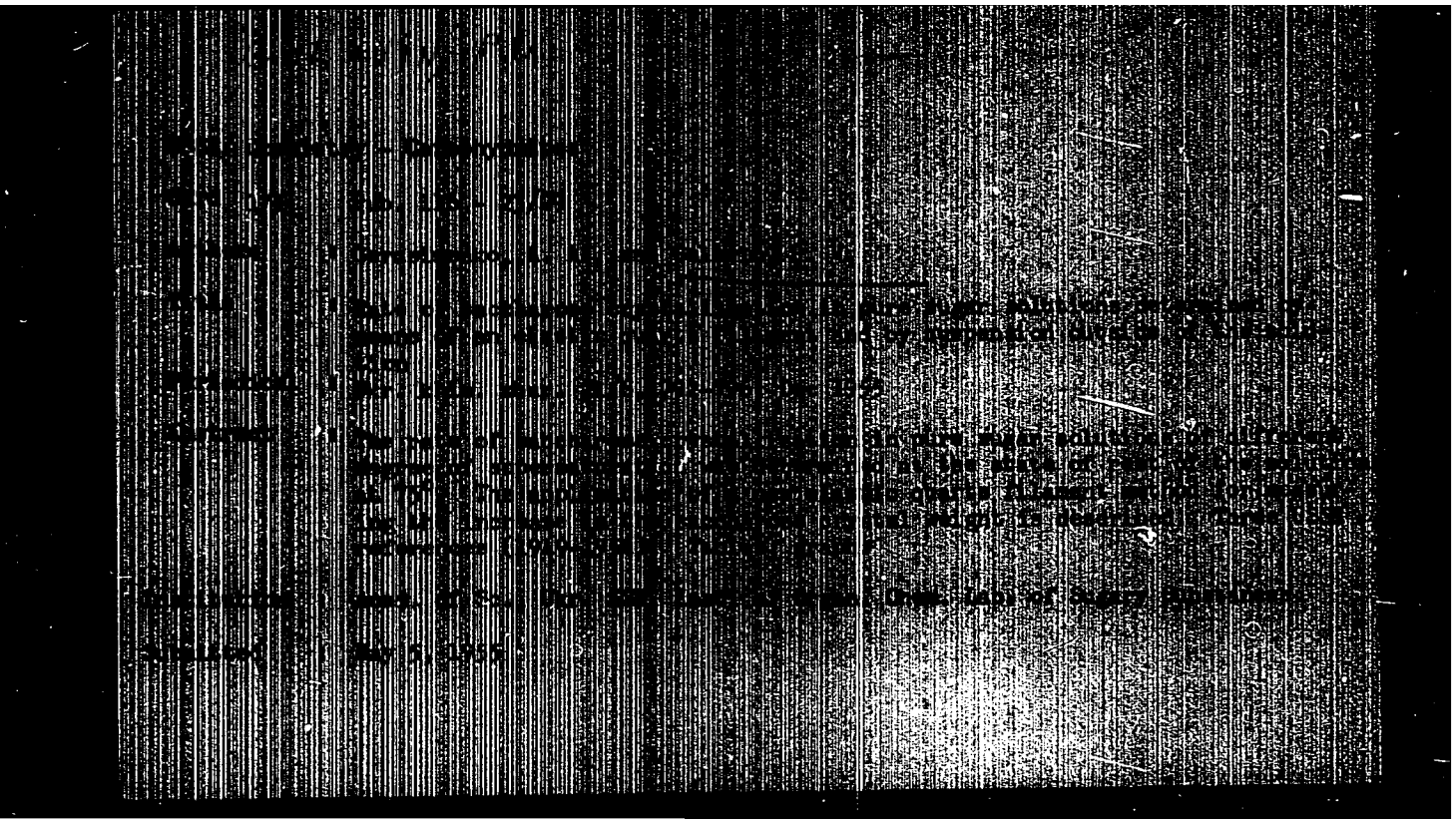
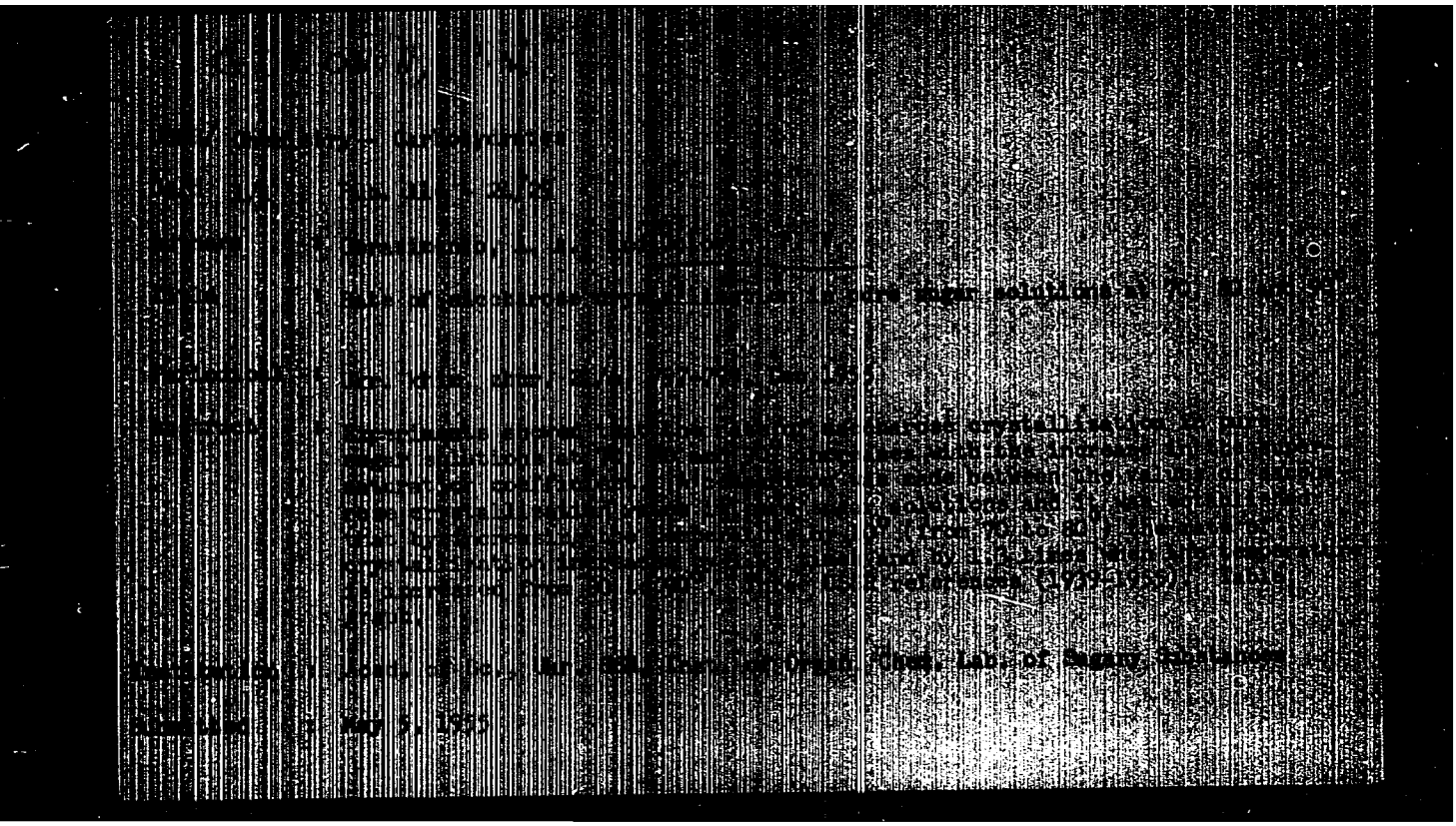
GIRKO, I.P.; GOLOVIN, P.V.

Formation of inert sugar in the juice of second saturation treated with a cationite. Ukr. khim.zhur. 21 no.4:530-532 '55. (MLRA 9:2)

1.Institut organicheskoy khimii AN USSR, laboratoriya sakharistykh veshchestv.

(Sugar industry)





GOLOVIN, P.V.

ROMINSKIY, I.R.; GOLOVIN, P.V.

Fructose, a new commercial sugar. Priroda 44 no.9:92-94 S '55.
(MLRA 8:11)

1. Institut organicheskoy khimii Akademii nauk USSR
(Fructose)

USSR/Human and Animal Physiology. Metabolism. Nutrition. T-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55305.

Author : Golovin, P.V., Shaposhnikova, Z.E.
Inst :
Title : Processing Cow Milk with Ionites for Infant Consumption.

Orig Pub: Pediatriya, 1957, No 7, 35-37.

Abstract: In order to partially remova Ca from cow milk (M) with the aim of obtaining more tender flakes in the clotting process, domestic brand cationites (I) were used (sulophenolic I, espatitic I and carboxylic I). Experiments proved that no less than 20 percent of Ca have to be removed for this purpose. M, which was treated with (I), clotted in the form of small flakes, had an acidity of 16°K. The proportions

Card : 1/3

to M, it fulfills all the requirements of M for the artificial feeding of infants. Investigations as to the toxicity of (I), as well as experimental feeding of M to animals, gave favorable results. Infants assimilated M well, and developed normally.

Golovin

73-3-20/24

AUTHOR: Golovin, P. V., Shaposhnikova, Z. B., Abramova, M. A. and Gerasimenko, A. A.

TITLE: Treatment of Beetroot Juice by Reduced Quantities of Lime and Ionites. (Obrabotka Svekllovichnogo Soka Umen'shennym Kolichestvom Izvesti i Ionitami)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No.3, pp. 397-399 (USSR).

ABSTRACT: Synthetic resins- ionites- can be used for the purification of beetsugar juices by separating the mineral and organic impurities. They are stable in alkaline and acid media, they swell but do not dissolve in water and sugar solutions and have a degree of absorption of cations and anions. These ionites were used for the purification of juices treated with 1.3% reduced lime and juice II (saturation lime consumption 2.75% per weight of the juice). The cationite ЭСТАТИТ-1 and the anionite АН-2ф were used as they were most easily available and are generally used in the sugar industry. The static volume of ЭСТАТИТ-1 (related to Na) was 4.2%, the dynamic volume of the anionite (related to HCl) was 13.7%. The static method was employed for purifying the saturated juices when using cationites.

Card 1/3 This method was developed in the Laboratory for Sugars

73-3-20/24

Treatment of Beetroot Juice by Reduced Quantities of Lime and Ionites.

of the Institute for Organic Chemistry AN USSR under the direction of P. V. Golovin. The method consists in mixing a defined quantity of the regenerated cationite with the juice in a mixer until the pH of the solution reaches 4.0 - 4.5. Then the cationite is separated by decantation or filtration. The obtained saturated acidic juice is treated with the anionite by passing the juice through an anionite column (dynamic method). Thus the pH is increased to 8.0 - 8.5. It was found that 1.5% of absolutely dry cationite (according to the weight of the juice) and a contact time of 8 minutes were necessary to attain a pH 4.2 of the saturated juice. To increase the pH of the juice from 4.2 - 8.5 a 8% volume of anionite was required. The purification was carried out at 20°C. The juice treated with reduced lime quantities and juice of the II. saturation were analysed before and after treatment with the ionites for sugar-, colloid-, calcium salt-, ash-content and colour-tests were made. Analytical data are tabulated. This table proves that cationite treatment of juices increases their quality by 1.7 - 2.2 units and

Card 2/3 reduces the colouration. The anionite treatment lowers

Treatment of Beetroot Juice by Reduced Quantities of Lime and Ionites. 73-3-20/24

the colouration more than twice and improves the quality by 0.4 - 0.8 units. There are 1 table and 3 Slavic references.

SUBMITTED: December, 22, 1956.

ASSOCIATION: Institute of Organic Chemistry, Academy of Sciences Ukrainian SSR, Sugar Substances Laboratory. (Institut Organicheskoy Khimii AN USSR, Laboratoriya Sakharistykh Veshchestv).

AVAILABLE: Library of Congress.

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