GOLOVISTIKOV, Petr Petrovich; ZIMAREV, Aleksey Nikolayevich; NESLUKHOVSKIY, Kirill Sergeyevich; LEBEDEV, S.A., akademik, obshchiy red.; BEZBORODOV, Yu.M., red.; AKHLAMOV, S.N., tekhn.red.

[BESM electronic digital computer] Elektronnaia tsifrovaia vychislitel'naia mashina BESM. Moskva, Gos.izd-vo fiziko-matem.lit-ry. Vol.2. [Arithmetic and control units of the BESM digital computer] Arifmeticheskoe ustroistvo i ustroistvo upravleniia BESM. 1960. 244 p. (MIRA 13:4)

1. Institut tochnoy mekhaniki i vychislitel'noy tekhniki AN SSSR (for Golovistikov, Zimarev, Neslukhovskiy).
(Electronic digital computers)

LEBEDEV, SERGEY ALEKSEYEVICH

General description of the BESM electronic computer and the methods of executing the operations, by S. A. Lebedev and V. A. Mel'nikov. New York, USJPRS, 1961.

127 p. tables (JPRS: R-1730-D)

Translated from the original Russian: Obshcheye opisaniye BESM i metodika vypolneniya operatsiy, Moscow, 1959.

LEBEDEV, S.A., otv. red.; KLIMOV, V.A., red. izd-va; KUZ'MIN, I.F., tekhn. red.

[Magnetic elements of computers] Magnitnye elementy ustroistv vychislitel'noi tekhniki; sbornik statei. Moskva, Izd-vo Akad.nauk SSSR, 1961. 145 p. (MIRA 14:12)

1. Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitel'noy tekhniki.
(Cores (Electricity)) (Electronic calculating machines)

MERKULOV, Nikolay Ivanovich; PAVLIKOV, Arkadiy Alekseyevich; FEDOROV, Aleksey Sergeyevich; LEBEDEV, S.A., akademik, red.; SOLOV'YEVA, L.A., red.; MURASHOVA, N.Ya., tekhn. red.

[BESM electronic digital computer] Elektronnaia tsifrovaia vychislitel'naia mashina BESM. Pod obshchei red. S.A.Lebedeva. Moskva, Fizmatgiz. Vol.3. [Memory systems of the BESM-2 computer] Zapominaiushchie ustroistva BESM-2. [By] N.I.Merkulov i dr. 1962. 286 p. (MIRA 16:3)
(Electronic digital computers--Memory systems)

LEBEDEV, S.A., akademik

A month in Japan. Vest. AN SSSR 35 no.12:57-58 D '65.
(MIRA 19:1)

LEBEDEV, S. B.

May/Jun 49

USSR/Medicine - Botany, Teaching
Medicine - Military Medical Academy

"Teaching of Botany in the Military Medical Academy imeni S. M. Kirov (Annals of the One Hundred Fiftieth Anniversary of the Academy)," Lt Col S. Ye. Shilinova, Med Corps, Chair of Pharm and Bot of Med Plants, Mil Med Academy imeni S. M. Kirov, 6½ pp

"Botan Zhur" Vol XXXIV, No 3

Academy has always insisted that its doctors have general biological as well as special training. Among its Soviet scientists are: L. A. Orbeli, S. V. Lebedev, Ye. N. Pavlovskiy, V. N. Tonkov, P. A. Kupriyanov, V. I. Voyachek, and V. I. Shevkunenko. Among its botanists: Ta. A. Sadovskiy, A. S. Famintsyn, I. P. Borodin, and V. N. Lyubimenko. It has studied over 170 kinds of medicinal plants. Its work on hybridization is very important. Its teaching is founded on doctrines of Michurin and Lysenko.

62/49T44

LEBEDEV, S.F.

One class of equations of higher order. Trudy KAI 24:70-76 '50.
(MLRA 10:7)

(Equations)

LEBEDEV, S.F.

Interference of vibrating systems. Trudy KAI 25:3-17 '51. (MLRA 10:7)
(Vibration)

TSUNTS, Zinoviy Izrailevich; POSTOLOV, Iosif Vladimirovich; LEBEDEV, S.G., red.

[Wastes of various industries as an important source of feed supply in animal husbandry] Otkhody otraslei promyshlennosti - vazhnyi rezerv kormovoi bazy zhivotnovodstva. Tashkent, Uzbekistan, 1964. 37 p. (MIRA 18:4)

BABICHEV, Grigoriy Adrianovich, dots.; LEBEDEV, S.G., red.; ABBASOV, T., tekhn. red.

[Ventilation of livestock buildings in Uzbekistan] Ventiliatsiia zhivotnovodcheskikh pomeshchenii v Uzbekistane. Tashkent, Gos-izdat UzSSR, 1962. 82 p. (MIRA 16:4)
(Uzbekistan--Barns--Heating and ventilation)

TROFIMOV, P.K.; ISANGULOV, I.M.; KHIMICHEV, G.F.; LEBEDEV, S.G., red.; BABAKHANOV, A., tekhn. red.

[Let's increase the production of pork] Uvelichim proizvodstvo svininy; iz opyta raboty svinovodov sovkhozov "Udarnik" Samarkandskoi oblasti i "Khazarbag" Surkhandar'inskoi oblasti. Tashkent, Gosizdat UzSSR, 1963. 27 p. (MIRA 17:1)

CHATSKIY, Georgiy Vladimirovich; LYBEDEV, S.G., red.

[Camel as a productive animal] Verblius - produktivnoe zhivotnoe. Tashkent, Gosizdat Uz.SSR, 1964. 65 p. (MIRA 17:11)

ARBUZOV, G.N.; LEBEDEV, S.G., red.; GAL'CHEVSKAYA, F.A., red.

[Mechanization in sericulture] Mekhanizatsiia v shelkovodstve. Tashkent, Gosizdat UzSSR, 1964. 61 p. (MIRA 17:11)

GOLUSHKO, Nikolay Aleksandrovich; LEBEDEV, S.I., red.; POZDNYAKOVA, G.L., red. izd-va; KORASEV, A.I., tekhn. red.

[Graphite-containing refractories] Grafitsoderzhashchie ogneupory. Moskva, Metallurgizdat, 1962. 108 p. (MIRA 15:7)
(Refractory materials) (Graphite)

RESHETNYAK, V.S., dotsent; LEBEDEV, S.I., veterinarnyy vrach

Surgical treatment of sterile cows. Veterinariia 39 no.11:59-60 N '62. (MIRA 16:10)

1. L'vovskiy zooveterinarnyy institut (for Reshetnyak).
2. Vinnikovskaya rayonnaya veterinarnaya lechebnitsa, L'vovskoy oblasti (Lebedev).

VYATKIN, S.Ye.; KURYATNIKOV, A.I.; LAZAREV, S.I.; PYATKIN, K.N.; STERLYADKINA, Ye.K.

Use of fibrous materials in industry. Konstr. ogneupor. mat. no.1:58-63 '64. (MIRA 17:11)

KURYATNIKOV, A.I.; [illegible], S.I.; [illegible], N.M.

Certain theoretical prerequisites for the production of heat insulating materials. Konstr. uglegraf. mat. no.1:64-68 '64. (MIRA 17:11)

LEBEDEV, S.I., inzh.

Welding 1.6 m wide reinforcing mesh. Nov. tekh. i pered. op. v stroi. 20 no.1:20-22 Ja '58. (MIRA 11:2)
(Reinforced concrete--Welding)

LEBEDEV, S.I., referent

New 150-ton open-hearth furnace without reversing valves(from "Stahl und Eisen" no. 73, 1953, no. 77, 1957). Stal' 18 no. 6:515-517 Je '58. (MIRA 11:7)

(Open-hearth furnaces)

LEBEDEV, S.I., referent

Basic cupola with hot blow at integrated metallurgical plants.
Stal' 18 no.11:996-997 N '58. (MIRA 11:11)
(Germany, West--Metallurgical plants) (Cupola furnaces)

LEBEDEV, S.I., referent

Results of controlling bessemer smelting by an opacimeter developed by the Institut de Recherches de la Sidérurgie (from foreign journals). Stal' 19 no.1:42 Ja '59. (MIRA 12:1)

(France--Bessemer process)

LEBEDEV, S.I. (Moskva); KHLEBNIKOV, A.Ye. (Moskva)

Effect of preliminary treatment and the composition of slag mixtures on the steel dephosphorization process. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.1:20-23 Ja-F '61. (MIRA 14:2)
(Steel—Metallurgy) (Slag—Analysis)

STROGANOV, Anatoliy Il'ich; KOLOSOV, Mikhail Ivanovich; LEBEDEV, S.I., red.; POZDNYAKOVA, G.L., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Production of quality and high-quality steel in basic open-hearth furnaces] Proizvodstvo kachestvennoi i vysokokachestvennoi stali v osnovnykh martenovskikh pechakh. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 416 p. (MIRA 14:12)

(Steel--Metallurgy) (Open-hearth furnaces)

IVANOVSKAYA A.A.[Ivanovs'ka, H.O.]; LEBEDEV, S.I., doktor biol. nauk, prof., akademik, otv. red.; SHAFIROVICH, M.D., tekhn. red.

[Biochemistry; a course of lectures] Biokhimiia; kurs lektsii. Odessa, Odesskii gos. univ. im. I.I.Mechnikova, 1959. 195 p. (MIRA 15:6)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (for Lebedev).

(Biochemistry)

IEBEDEV, S.I.; LITVINENKO, L.G.

Chlorophyll biosynthesis in red and infrared regions. Dokl. AN SSSR 160 no.6:1427-1429 F '65. (MIRA 18:2)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya. Submitted June 17, 1964.

USSR/Medicine - Plants
Medicine - Carotine

Oct 1947

"Changes in the Content of Carotine in Plants," S. I. Lebedev, Lab Physiol and Biochem Plants, Botanical Garden, Acad Sci Ukrainian SSR, Kiev, 4 pp

PA 52T57

"Dok Akad Nauk SSSR" Vol LVIII, No 1, pp 85-88

In the process of ontogenesis the content of carotine in annual plants is constantly subject to change. Amount in the plant reaches a maximum in the period of budding and blooming, decreasing gradually with the ripening of the fruit and dying of the plant. In dioiinous plants, as a rule, the female contains

52T57

USSR/Medicine - Plants (Contd) Oct 1947

more carotine than the male. Temperature and light conditions show a strong influence on the varying content of carotine in plants. Submitted by Academician N. A. Maksimov, 14 Apr 1947.

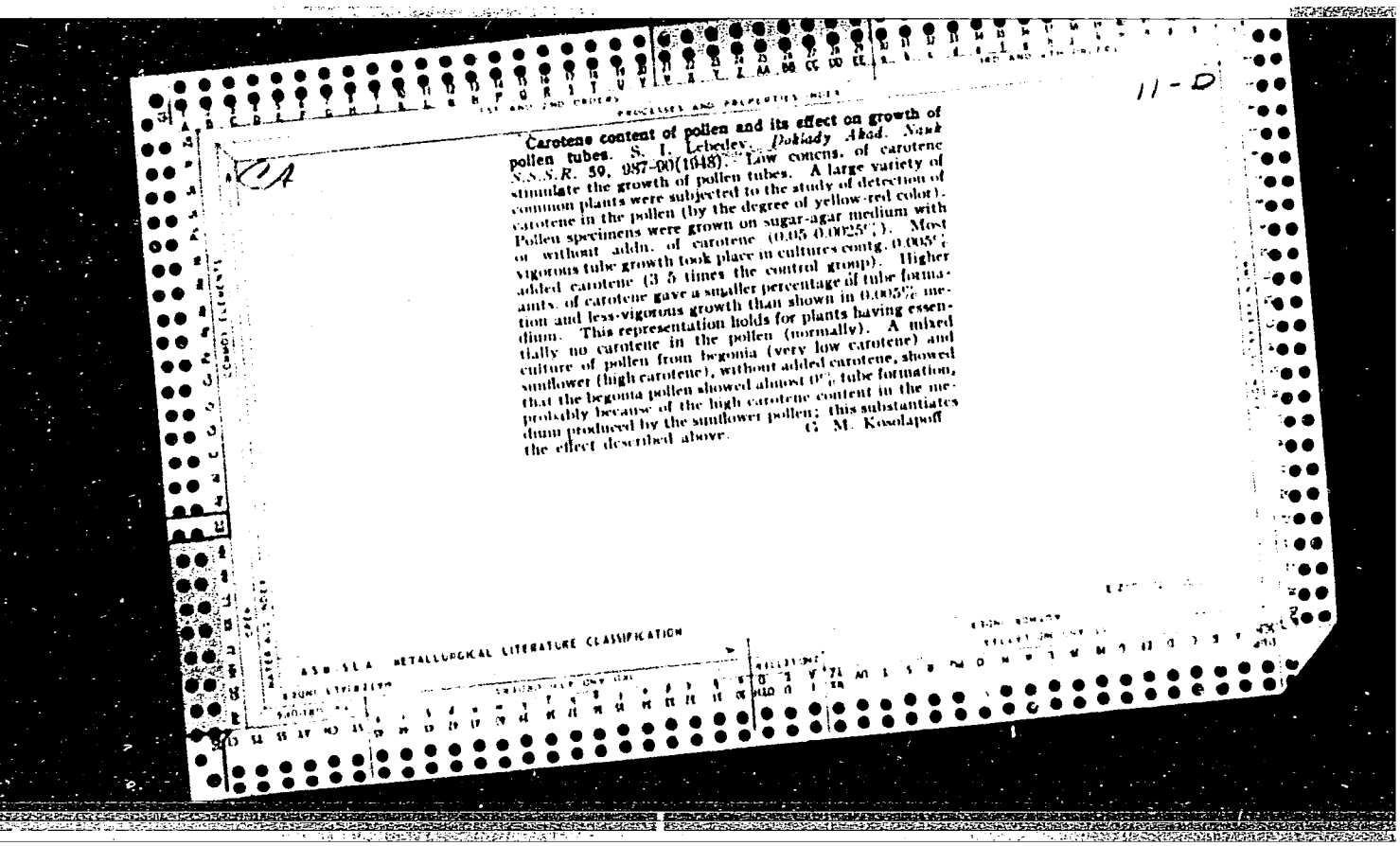
52T57

LEBEDEV, S. I.

LEBEDEV, S.I.

Role of carotene in the growth of plants. Dop.AN URSR no.2:71-77 '48. (MLRA 9:9)

1.Predstavleno diysnim chlenom AN URSR M.H.Grishko.
(Carotene) (Botany--Physiology)



Carotene content of pollen and its effect on growth of pollen tubes. S. I. Lebedev. *Doklady Akad. Nauk S.S.S.R.* 59, 987–90(1948). Low concns. of carotene stimulate the growth of pollen tubes. A large variety of common plants were subjected to the study of detection of carotene in the pollen (by the degree of yellow-red color). Pollen specimens were grown on sugar-agar medium with or without addn. of carotene (0.05 0.0025%). Most vigorous tube growth took place in cultures contg. 0.005% added carotene (3.5 times the control group). Higher amts. of carotene gave a smaller percentage of tube formation and less-vigorous growth than shown in 0.005% medium. This representation holds for plants having essentially no carotene in the pollen (normally). A mixed culture of pollen from begonia (very low carotene) and sunflower (high carotene), without added carotene, showed that the begonia pollen showed almost 0% tube formation, probably because of the high carotene content in the medium produced by the sunflower pollen; this substantiates the effect described above. G. M. Kosolapoff

LEBEDEV, S.I.

27663. Ob obmene veshchestv v generativnoy sisteme rasteniy. selektsiya I semenovodstvo, 1949, No. 9, s. 29-35.

SO: Knizhnaya Letopis, Vol. 1, 1955

LEBEDEV, S. I.

USSR/Medicine - Carotene

Oct 49

"Plant Pollen as a Source of Provitamin A (Carotene)," S. I. Lebedev

"Priroda" No 10, pp 57, 58

Compiles results of studies conducted by Bukin, and Kichunov as well as the author on the possibility of utilizing plant pollen as a source of carotene. Best results were obtained with Lilium regale Wils, Hemerocallis fulva L., Caragana arborescens L., Helianthus annus L., Prunus armeniaca L., and Cucurbita maxima L.. It was found that the Lilium regale contained 235.0 mg% of carotene.

212T80

LEBEDIYEV, S. I.

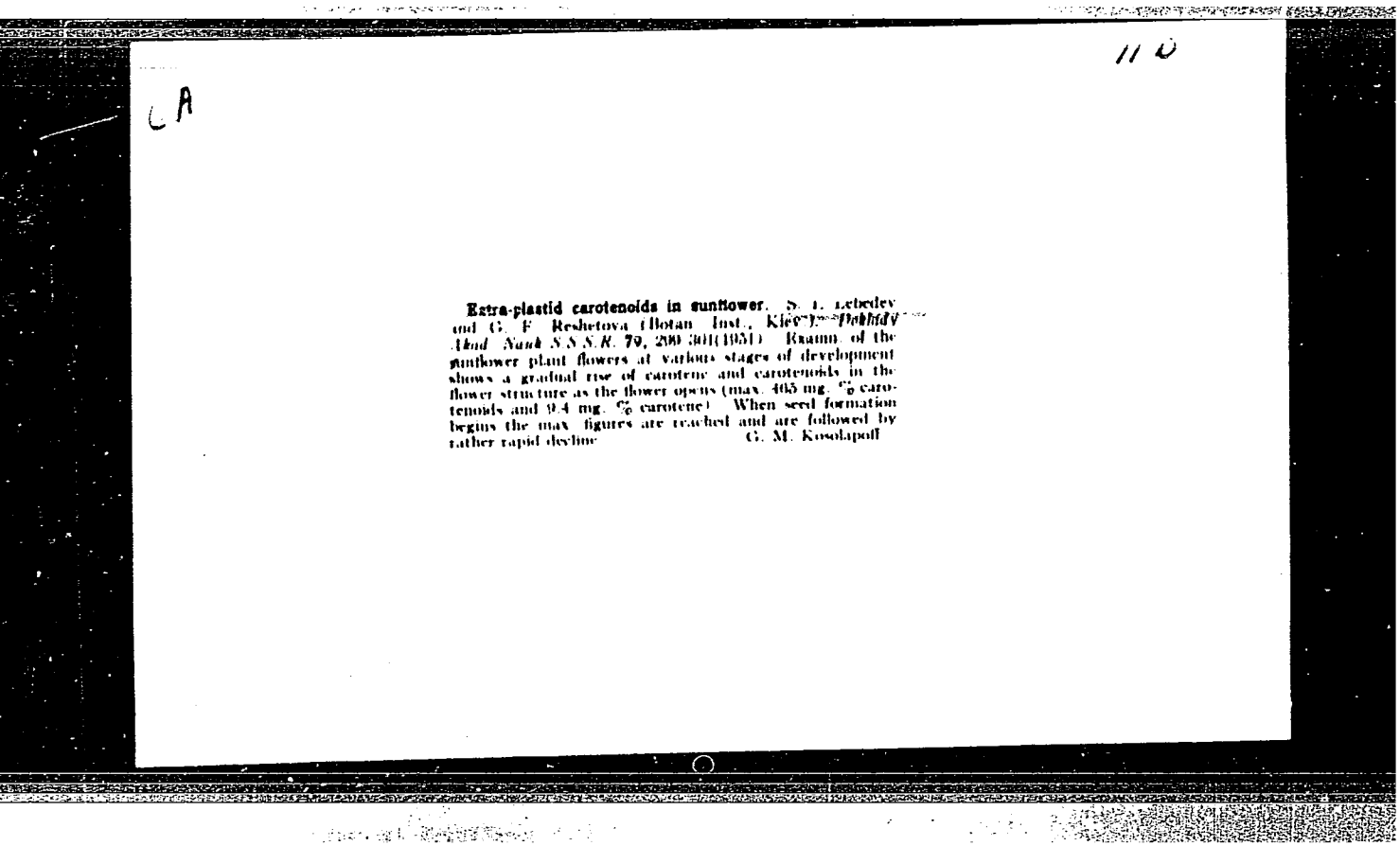
Michurin, Ivan Vladimirovich, 1855-1935.

Great Russian scientist I. V. Michurin, founder of Soviet creative Darwinism. Bot. zhur. /Ukr./ 7, No. 3, 1950.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

LEBEDIEV, S.I.

Transformation of stamen into leaves in the castor plant (Ricimus communis L.). Bot.zhur. [Ukr.] 8 no.3:82-83 '51. (MLRA 6:9)
(Castor-oil plant)



CA

11 D

Extra-plastid carotenoids in sunflower. S. I. Lebedev and G. F. Reshetova (Botan. Inst., Kiev). *Doklady Akad. Nauk S.S.S.R.* 79, 299-301(1951). Examn. of the sunflower plant flowers at various stages of development shows a gradual rise of carotene and carotenoids in the flower structure as the flower opens (max. 405 mg. % carotenoids and 9.4 mg. % carotene). When seed formation begins the max. figures are reached and are followed by rather rapid decline. G. M. Kosolapoff

LEBEDEV, S.I.

Michurin's materialistic biology and hormone theory of growth and development of plants. Bot.zhur.[Ukr.] 9 no.2:79-87 '52. (MLRA 6:11)

1. Institut botaniki Akademii nauk Ukrains'koi RSR, Viddil fiziologii. (Hormones (Plants))

LEBEDYEV, S.I.; TYKHVINS'KA, V.D.; HARMAHA, K.S.

Carbohydrate and protein metabolism in the apple tree. Bot.zhur.[Ukr.] 9 no.3:17-35 '52. (MLRA 6:11)

1. Instytut botaniky Akademiyi nauk Ukrayins'koyi RSR, Viddil fiziologiyi. (Plants--Metabolism)

LEBEDEV, S.I.; LYUBINSKIY, N.A., kandidat biologicheskikh nauk, otvetstvennyy redaktor; GRUDZINSKAYA, O.S., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor.

[Physiological role of carotene in plants] Fiziologicheskaia rol' karotina v rastenii. Kiev, Izd-vo Akademii nauk Ukrainskoi SSR, 1953. 158 p. [Microfilm] (MLRA 8:2)
(Carotene) (Botany--Physiology)

LEBEDEV, S. I.

Category: USSR/General Division. History. Classics. Personalities.

Abs Jour: Referat Zh.-Biol., No 9, 10 May 1957, 34880

Author : Lebedev, S. I.
Inst : not given
Title : The Role of Ukrainian Scientists in the Development of Plant Physiology

Orig Pub: V sb.: Tr. Odessk. un-ta (Yubil. sb.), Kiev, Izd-vo un-ta, 1954, 35-47

Abstract: The significance of the work of the first Russian botanist-physiologist S.A. Rachinskiy (1823-1902), that of A.S. Famintsin (1835-1918) and particularly that of K.A. Timiryazev (1843-1920) on the development of plant physiology in Russia, is underlined. There is an elucidation of the scientific activity of the Ukrainian physiologists of the pre-revolutionary era: O.B. Baranetskiy (1843-1905), K.A. Purievich (1866-1916), E.F. Votchal (1864-1937), V.R. Zalenskiy (1875-1923), V.A. Rotert (1863-1916), F.M. Kamenskiy (1851-1912), and others. The leading role of the Academy of Sciences of the Ukrainian SSR of plant

Card : 1/2

LEBEDEV S.I.

USSR/Biology - Botany

Card 1/1 Pub. 86 - 5/36

Authors : Lebedev, S. I., Prof.

Title : Role of carotene in plants

Periodical : Priroda 44/6, 42-49, Jun 1955

Abstract : The nature of carotene is explained along with a discussion of its relation to other substances found in plants and its role in animal organisms. Its action is dealt with under such topics as the change of carotene content in the ontogenesis of plants, the part taken by carotoids in the process of photosynthesis, carotene in the sexual process, the color and odor of pollen, and carotene as a factor in growth. Illustrations.

Institution : .....

Submitted : .....

LEBEDEV, S.I.

112-3-5056

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 2 (USSR)

AUTHOR: Lebedev, S.I.

TITLE: On the 90th Anniversary of the Odessa State University imeni I.I. Mechnikov (K 90-letiyu Odesskogo gosudarstvennogo universiteta im. I.I. Mechnikova)

PERIODICAL: Tr. Odessk. un-ta, 1955, 145, pp. 7-22

ABSTRACT: Bibliographic entry.

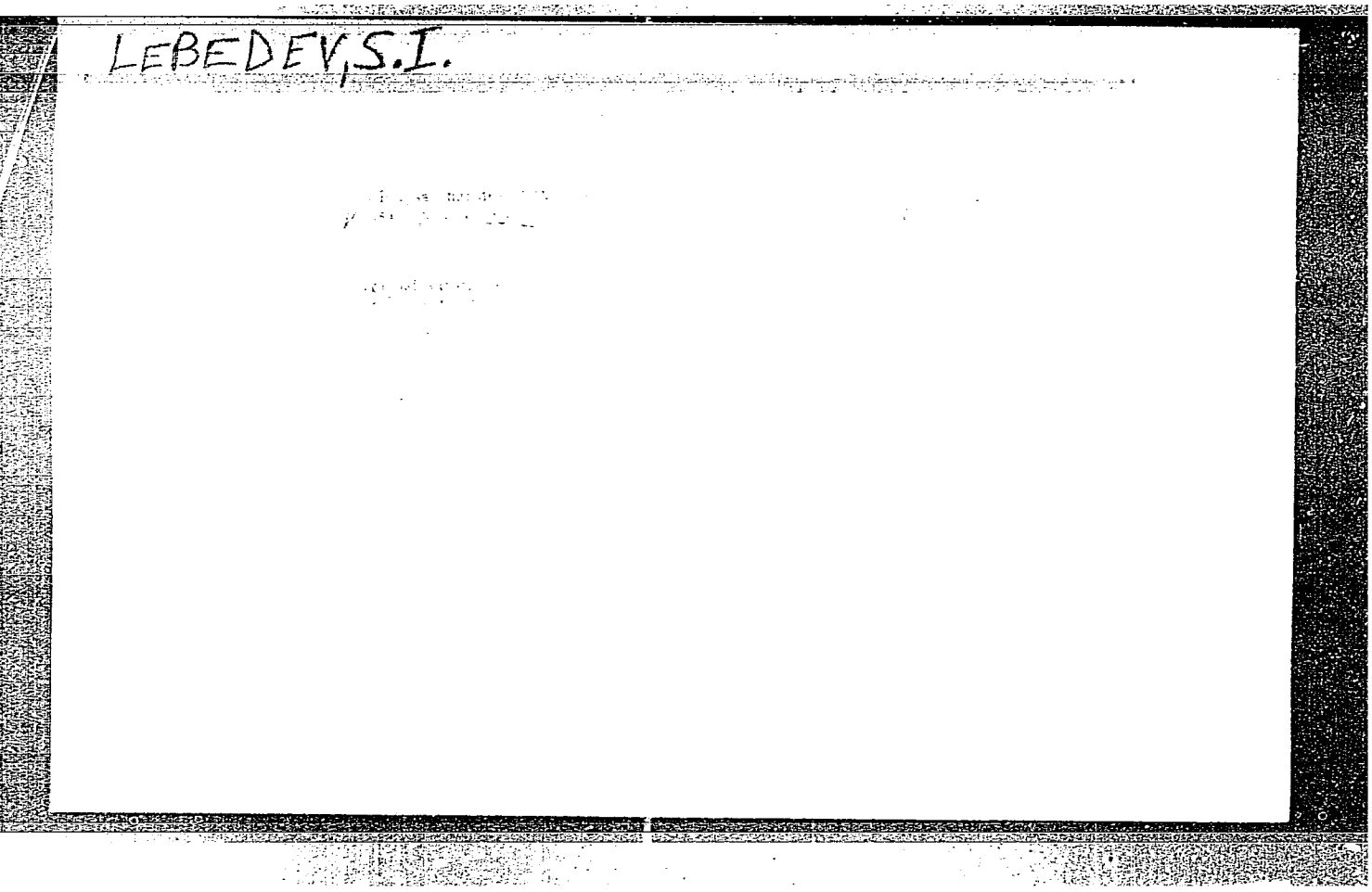
ASSOCIATION: Odessa State University imeni I.I. Mechnikov (Odessk. un-t)

Card 1/1

LEBEDEV, S.I., professor; YARTSEVA, I.A.

Biological features of Phyllophora red seaweed. Priroda 45 no.2: 96-97 F '56. (MLRA 9:5)

1. Odesskiy gosudarstvennyy universitet imeni I.I. Mechnikova.
(Black Sea--Algae)



LEBEDEV, S.I., prof., doktor biolog.nauk, otv.red.; KOVBASYUK, S.M., dotsent, kand.istor.nauk, red.; PAZYUK, L.I., dotsent, kand.geologo-mineral. nauk, red.; KIRILLOV, Ye.A., prof., doktor fiziko-matemat.nauk, zasluzhennyy deyatel' nauki USSR, red.; TSESEVICH, V.P., prof., doktor fiziko-matemat.nauk, red.; LEONOV, I.G., dotsent, kand.istor. nauk, red.; VOROB'YEV, A.I., prof., doktor biolog.nauk, red.; GAVRILOV, N.I., prof., doktor fiziko-matemat.nauk, red.; MOROZOV, A.A., prof., doktor khim.nauk, red.; DANILENKO, K.Ye., dotsent, kand.filolog.nauk, red.; MIGAL', K.G., dotsent, kand.istor.nauk, red.; SMIRNOV, A.M., dotsent, kand.geograf.nauk, red.; BABICH, N.M., tekhn.red.

[Scientific yearbook for 1956] Nauchnyi ezhegodnik 1956 g. Odessa, 1957. 388 p. (MIRA 12:4)

1. Odessa. Universitet. 2. Deystvitel'nyy chlen Ukrainskoy Akademi sel'skokhoz.nauk, zaveduyushchiy kafedroy fiziologii rasteniy Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova (for Lebedev). 3. Zaveduyushchiy kafedroy istorii Ukrainskoy SSR Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova (for Kovbasyuk). 4. Zaveduyushchiy

(Continued on next card)

LEBEDEV, S.I.--(continued) Card 2.

kafedroy mineralogii i petrografii Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova (for Pazyuk). 5. Zaveduyushchiy kafedroy eksperimental'noy fiziki Odesskogo gosudarstvennogo universiteta im. I.I. Mechnikova i direktor Nauchno-issledovatel'skogo instituta fiziki Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova (for Kirillov). 6. Chlen-korrespondent AN USSR (for TSesevich). 7. Zaveduyushchiy kafedroy istorii Kommunisticheskoy partii Sovetskogo Soyuza Odesskogo gosudarstv. univ.im. I.I.Mechnikova (for Leonov). 8. Zaveduyushchiy kaf. genetiki i darvinizma Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova (for Vorob'yev). 9. Zaveduyushchiy kafedroy Analiticheskoy khimii Odesskogo gosud.universiteta im. I.I.Mechnikova (for Morozov). 10. Zaveduyushchiy kafedroy ukrainskoy literatury Odesskogo gosudarstv.universiteta im.I.I. Mechnikova (for Danilko). 11.Zaveduyushchiy kafedroy ekonom.geografii Odesskogo gosudarstv.universiteta im. I.I.Mechnikova (for Smirnov).

(Odessa University) (Learning and scholarship)

LEBEDEV, S.I. [Lebedev, S.I.], prof.; YARTSEVA, I.O. [IArtseva, I.O.]

Investigating the pigment system of Phyllophora nervosa. Pratsi Od. un. Ser.biol.nauk no.8(vol.147):5-9 '57. (MIRA 12:4)
(Algae) (Chlorophyll) (Carotene)

PHASE I BOOK EXPLOITATION SOV/5390

Lebedev, S. I., Professor

Fotosintez; sovremennyye predstavleniya (Photosynthesis; Contemporary Theories) Kiyev, Izd-vo Ukr. akad. sel.-khoz. nauk, 1961. 157 p. 2,500 copies printed.

Eds.: A. S. Okanenko, Corresponding Member of the Ukrainian Academy of Agricultural Sciences, Doctor of Biological Sciences, Professor, and V. N. Gavrilov; Tech. Ed.: Z. T. Manoylo.

PURPOSE: This handbook is intended for students, aspirants, and scientific workers.

COVERAGE: The book on photosynthesis was published by decision of the Redaktsionno-izdatel'skiy sovet Ukrainskoy akademii sel'skokhozyaystvennykh nauk (Editors' Committee on Publications of the Ukrainian Academy of Agricultural Sciences). It presents a systematic discussion of the most important published and experimental data on the carbon economy of plants, and the conversion of the radiant energy of the sun into the chemical energy of organic compounds. The book is based on a special course of lectures on photosynthesis given by

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the author at the biologicheskiy fakul'tet Odesskogo gosudarstvennogo universiteta im. I. I. Mechnikova (Division of Biology of Odessa State University imeni I. I. Mechnikov). Special attention is given to the history of the discovery of photosynthesis, photosynthesis and the cycle of substances on the earth, photosynthesis pigments, the basic features of the chemical structure of chlorophyll, carotinoids, phycobilins, use of the chromatographic method and the method of labeled atoms in studying photosynthesis pigments and photosynthesis, the biosynthesis of chlorophyll, the pigments of the cell fluid, the physicochemical nature of the photosynthesis process, and methods of studying photosynthesis. The author also discusses photosynthesis as the life process of plants, the cultivation of plants under artificial lighting conditions, photosynthesis and the crop yield. No personalities are mentioned. There are 101 references: 92 Soviet and 9 English.

TABLE OF CONTENTS:

Card 2/5

SIDAYEV, A.M. Sidayeva, A.M.]; SEMENOV, S.I. [Semenov, S.I.]

Ultrastructure of corn chloroplasts under different conditions of nutrition. Ukr. bot. zhur. 21 no.5:39-43 '64. (MIRA 18:2)

1. Kafedra fiziologii rasteniy Kharkovskogo ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennogo instituta.

L 4434-65 EWT(a)-2/EWA(c)/EWT(j) ... FS(v)-3 Pe-4 DM
ACCESSION NR: AP5007647 S/ ... /1427/1429

AUTHOR: Lebedev, S. I.; Litvinenko, L. G.; Kursanov, A. L.

TITLE: Chlorophyll biosynthesis in red and near infrared regions

SOURCE: AN SSSR. Doklady, v. 160, no. 6, 1965, 1427-1429

TOPIC TAGS: corn, chlorophyll, biosynthesis, monochromatic light, red light, low intensity, chromatography, spectrophotometry

ABSTRACT: Chlorophyll biosynthesis was investigated in etiolated ... under conditions of red light (... millimicrons) and ... red light ... were exposed to a monochromatic ... watts/cm² for the red light and ... watts/cm² for the ... infrared light for periods of ... All operations ... plants were conducted in the presence of a very weak ... applied in the etiolated ... the ... millimicron region. Results ...

Card 1/2

L 3943a-65

ACCESSION NR: AP5007667

infrared radiation displays an inhibiting effect on chlorophyll
[illegible]synthesis, particularly on reduction of protochlorophyllide into
[illegible]yllide. Chlorophyll formation in the etiolated corn sprouts
[illegible] given experimental conditions proceeded according to the
[illegible] plan for the final stage [illegible]
[illegible]sis: protochlorophyllide [illegible] chlorophyll a. It was established that chlorophyll biosynthesis
[illegible] normally under red light of low intensity, but is inhibited
[illegible] near infrared light of low intensity. Orig. art. has:
[illegible] figures.

[illegible]ATION: Ukrainskaya sel'skokhozyaystvennaya akademiya
[illegible]kraine Agricultural Academy]

SUBMITTED: 07Oct63 ENCL: 00 SUB CODE: LS

NR REF SOV: 008 OTHER: 010

Card 2/2

LEBEDEV, Sergey Konstantinovich; ROMANOV, Yevgeniy Samoylovich; SEMAKOV, A.N., red.; KOZHUKHOVA, D.S., red.

[Economic efficiency of lumber hauling and loading equipment] Ekonomicheskaia effektivnost' oborudovaniia dlia trelevki i pogruzki lesa. Arkhangel'sk, Arkhangel'skoe knizhnoe izd-vo, 1959. 139 p. (MIRA 17:11)

11173

S/169/62/000/009/092/120
D228/D307

3,5400

AUTHORS: Lebedev, S. L. and Aleksanrov, E. L.

TITLE: Artificial dispersion of cumulus on the introduction of moistened particles

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 73, abstract 9B448 (In collection: Issled. oblakov, osadkov i grozovogo elektrichestva, M., AN SSSR, 1961, 16-22)

TEXT: The reaction of cumulus with the surrounding medium is considered when moistened particles, inducing gravitational coagulation and precipitation, are introduced into a cloud's summit. It is shown that subcloud air cools when rain drops evaporate beneath a cloud, and that ascending currents give place to descending. The break up of a cloud occurs in consequence of the fact that moisture ceases to enter across its lower boundary, and as a result of the evaporation of cloud particles when relatively dry air is drawn in across the upper and side boundaries, the intensity of this process being determined by the cloud's size and by the temperature and the

Card 1/3

Artificial dispersion of ... S/169/62/000/009/092/120
D228/D307

humidity distribution in and outside it. Thick cumulus can "disintegrate itself" after moistened particles have introduced a sufficient mass of water under the cloud. This mass can be ascertained if the cloud's water content and the atmospheric temperature and humidity are known. The introduction under cumulus of enough water from outside the cloud can cause descending currents and the cloud's dispersion. The formation of a "locking" layer near the lower boundary of a cloud, within which an upwards-directed force acts on the sinking cloud masses, plays a decisive part in the cloud's dispersion. The "locking" layer's lower boundary occurs at a level where the relative humidity of air rising into the cloud is still small enough for the atmospheric water to evaporate in amounts, necessary for the density of air beneath the cloud to be equalized with that outside the subcloud column at the same height. The layer's upper boundary occurs at a level above which the cloud's water content is sufficient for the density of air, sinking from there, to become equal at is lower boundary to that of air at the same height outside the subcloud column. The "locking" layer's presence hinders the cloud's spontaneous dispersion when the descending move-

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Artificial dispersion of ... S/169/62/000/009/092/120
D228/D307

ments of cloud masses are small. [Abstracter's note: Complete translation.]

Card 3/3

ACCESSION NR: AP4000426 S/0049/63/000/011/1741/1746

AUTHOR: Lebedev, S. L.

TITLE: Effect of gravitational precipitation of cloud droplets on the water content of a cloud

SOURCE: AN SSSR. Izvestiya. Seriya geofizicheskaya, no. 11, 1963, 1741-1746

TOPIC TAGS: gravitational precipitation, cloud water, precipitation rate, atmospheric precipitation, gravitational precipitation, water content

ABSTRACT: Three thermohydrodynamic formulas are derived to express the effect of gravitation on the rain drops in clouds on the water content of a cloud:

$$\frac{\partial Q}{\partial t} = -u\frac{\partial Q}{\partial x} - v\frac{\partial Q}{\partial y} - W\frac{\partial Q}{\partial z} + \frac{1}{\rho}\frac{\partial(\eta m)}{\partial z} + \frac{\partial}{\partial x}\left(K_x\frac{\partial Q}{\partial x}\right) + \\ + \frac{\partial}{\partial y}\left(K_y\frac{\partial Q}{\partial y}\right) + \frac{\partial}{\partial z}\left(K_z\frac{\partial Q}{\partial z}\right)$$

Card 1/2

ACCESSION NR: AP4000426

$$\eta = \begin{cases} B(1 - e^{-km}) & \text{when } m > 0 \\ 0 & \text{when } m < 0 \end{cases};$$

$$\eta = \begin{cases} B\left[1 - \frac{1}{(1 + a\alpha m)^6} - \frac{6a\alpha m}{(1 + a\beta m)^7}\right] & \text{when } m > 0 \\ 0 & \text{when } m < 0, \end{cases}$$

where Q is the specific water content, m is humidity, j is water density, p is air density, u, v, and w are components of air velocity corresponding to horizontal coordinates x and y and vertical coordinate z, t is time, η is the rate at which rain falls from a stationary air mass, and K_x, K_y, and K_z are turbulent coefficients along the x, y, and z axes. The formulas are easily computed on an electronic computer and are described as expressing the best possible information on cloud processes, especially before and during rain fall. Orig. art. has: 2 figures and 15 formulas.

Card 2/3

ACCESSION NR: AP4041150 S/0020/64/156/004/0806/0809

AUTHOR: Lebedev, S. L.; Fedorov, Ye. K.

TITLE: Nonstationary onedimensional model of a convective cloud

SOURCE: AN SSSR. Doklady*, v. 156, no. 4, 1964, 806-809

TOPIC TAGS: weather forecasting, nonstationary convective cloud model, vertical temperature distribution, water content, dew point vertical distribution, geophysics, meteorology

ABSTRACT: In the problem of a nonstationary convective cloud, in addition to the fundamental quantities such as specific total water content, vertical velocity, and temperature of the cloud air, certain other quantities must be considered: the gravitational drop fall, turbulent mixing along the vertical, and the processes outside the cloud region. The fundamental quantities are sought as functions of time and height, in a vertical cylinder with values averaged over horizontal sections. Nine equations connect quantities such as atmospheric pressure, air density, temperature, specific water content, pressure of saturated vapors at a given temperature, coefficient of turbulence, specific heat of air at constant

Card 1/2

ACCESSION NR: AP4041150

pressure, heat of condensation, average velocity of rain drop fall, gravitational acceleration. The equations are solved numerically for nine unknown functions of interest with assumed boundary conditions, by using the computer BESM-2, and the results are illustrated in diagrams. Orig. art. has: 4 figures.

ASSOCIATION: Institut prikladnoy geofiziki (Institute of Applied Geophysics)

SUBMITTED: 25Jan64 ENCL: 00

SUB CODE: ES NO REF SOV: 002 OTHER: 002

Card 2/2

L 4070-66 EWT(1)/FCC GW

ACC NR: AP5025862 SOURCE CODE: UR/0020/65/164/004/0796/0799

37
B

AUTHOR: Lebedev, S. L.

ORG: High-Altitude Geophysics Institute (Vysokogornyy geofizicheskiy institut)

TITLE: Calculation of the processes which take place when ice crystals enter clouds made up of finely dispersed supercooled droplets

SOURCE: AN SSSR. Doklady, v. 164, no. 4, 1965, 796-799

TOPIC TAGS: cloud physics, cloud seeding, water, supercooling

ABSTRACT: The author derives a system of equations which can be solved to determine the specific humidity of the gaseous, liquid and solid phases of water as a function of spatial coordinates and time in a cloud and beneath it in the case of natural processes and in the case of artificial action on the cloud. This system of equations describes processes in clouds containing ice crystals and supercooled water droplets, and also includes equations for determining the number of droplets and the number of crystals in a unit mass of air. The following assumptions are made: 1) the water droplets are completely entrained in the atmosphere; 2) the crystals are spherical; 3) two particles coagulate only if they belong to different phases;

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L 4070-66

ACC NR: AP5025862

4) the coefficient for capture of drops by crystals is equal to units; 5) the particle spectrum for each phase is described by a function whose general form does not vary; 6) cloudiness exists at the initial moment. The form of the boundary conditions for the system of equations may vary depending on the specific problem. Numerical solutions are possible, and the proposed system is applicable in the low temperature region where ice crystals are not formed spontaneously from drops or from vapor. The paper was presented by Academician Fedorov, Ye. K., 15 Oct 64. Orig. art. has: 21 formulas.

SUB CODE: ES/ SUBM DATE: 13Oct64/ ORIG REF: 006/ OTH REF: 000

BVK

Card 2/2

L 22093-66 EWT(d)/EWT(l)/T/EWP(l) IJP(c) GW

ACC NR: AP6012927 SOURCE CODE: UR/0362/66/002/001/0014/0027

34
13

AUTHOR: Lebedev, S. L.

ORG: High-Altitude Institute of Geophysics (Vysokogornyy geofizicheskiy institut)

TITLE: Three-dimensional nonstationary model of an atmospheric convective parcel with a cloud

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 1, 1966, 14-27

TOPIC TAGS: differential equation, atmospheric movement, atmospheric thermodynamics, atmospheric humidity, atmospheric convection, rain, atmospheric cloud, atmospheric temperature

ABSTRACT: The author presents a system of differential equations describing air motion, moisture exchange and heat exchange in the atmosphere. This system is integrated numerically for an atmospheric convective parcel which has the form of a true tetrahedral prism. A specific example is cited of computations. A cloud forming approximately 20 minutes after the onset of convection in the first 20 minutes of its existence attains a thickness of 3 km. In the next 20 minutes the cloud thickness increases by more than 1 km. In each subsequent 20 minutes for the period of an hour the cloud thickness increases by 0.1-0.4 km. At the same time, until rainfall begins, there is an increase of the horizontal dimensions of the cloud and liquid water

UDC: 551.515.4

Card 1/2

L 22093-66

ACC NR: AP6012927

content. After 1 hour 40 minutes from the onset of the cloud at a height of 3.75 km the liquid water content is 5.2 gm-3. One hour after the onset of convection there is a decrease with time of the velocity of the ascending flux on the cloud axis. In the upper part of the cloud weak descending currents appear and descending currents of a considerable velocity begin to appear at the lateral boundaries of the cloud. Decrease of the velocity of the ascending current is facilitated by a temperature increase outside the cloud. This increase occurs at the time of compensatory subsidence of the air outside the cloud: 1 hour 40 minutes after onset of convection in the lower part of the cloud the ascending current on its axis is replaced by a descending current. Droplet water, moving downward, shortly passes the condensation level and rain begins to fall. Orig. art. has: 7 figures and 18 formulas. [JPRS]

SUB CODE: 04 / SUBM DATE: 13May65 / ORIG REF: 006 / OTH REF: 002

Card 2/2 BLG

LEBEDEV, S.M.; IVANOV, V.B.; KASHTANOV, F., red.; STEPANOVA, N., tekhn.red.

[People's housing construction projects] Opyt zhilishchnogo stroitel'stva metodom narodnoi stroiki (gor.Gomel'). Minsk, Gos.izd-vo BSSR, 1958. 50 p. (MIRA 13:1)
(Gomel'--Building)

LEBEDEV, S.M., kandidat tekhnicheskikh nauk, dotsent.

Distortion of areas on aerial photographs conditioned by the angle of inclination. Trudy BIIZHT no.1:5-32 '57. (MIRA 10:9)
(Photography, Aerial)

LEBEDEV, S.M., kandidat tekhnicheskikh nauk, dotsent.

Graphoreducer. Trudy BIIZHT no.1:33-46 '57. (MLRA 10:9)
(Photographic surveying)

6-58-3-6/16

AUTHOR: Lebedev, S. M., Candidate of Technical Sciences

TITLE: The Distortion of the Linear Section in Vertical Aerophotography Due to the Angle of Tilt (Iskazheniye lineynogo otrezka na planovom aerosnimke, obuslovlennoye uglom naklona)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 3, pp. 31 - 37 (USSR)

ABSTRACT: A formula for the linear distortion of a section on the aerophotographic plan for the general case, i. e. at any position of the section, is given here. The working formula (1o) for the determination of the error

$$\frac{\triangle \alpha}{L_o}$$

is derived. By the introduction of the argument y_o, i.e. the ordinate of the center of distance, formula (1o) is transformed to formula(12). On the basis of these two formulae the distortions on the aerophotographic plans can be easily

Card 1/3

The Distortion of the Linear Section in Vertical Aerophotography Due to the Angle of Tilt

computed. When the average amount of distance 1 is assumed to be 6o to 7o mm, the error of calculation corresponds to about o,1 mm. Then some special cases in the determination of the distance distortion according to formulae (1o) and (12) at different positions of the distance on the aerial photograph are investigated. The formula (19) for the distortion of the radius-vector on the aerial photograph due to the presence of the angle of tilt is obtained. Finally formula (12) is used for the determination of the extremum values of the function

$$\frac{\Delta_\alpha}{L_o}$$

in dependence on the angle γ. It is shown that when the coordinates x_o and y_o of the distance are known the two values of the angle γ can always be determined. Of these one corresponds to the maximum and the other to the minimum distortion.

Card 2/3

6-58-3-6/16

The Distortion of the Linear Section in Vertical Aerophotography Due to the Angle of Tilt

γ- the angle formed by the direction of the distance 1-2 with the horizontal line $h_o h_c$. α- the angle of tilt of the aerial photograph. $\triangle\alpha$ denotes the error characterizing the perspective distortion of the linear distance 1-2. L_o denotes the line in the scenery which corresponds to the distance 1-2 on the horizontal aerial photograph ($\alpha = 0$). There are 3 figures.

AVAILABLE: Library of Congress

1. Aerial photography--Distortion

Card 3/3

SOV/6-58-8-6/15

AUTHOR: Lebedev, S. M., Candidate of Technical Sciences

TITLE: Investigation of the Mechanical Method of Photographic Triangulation (Issledovaniye mekhanicheskogo sposoba fototriangulyatsii)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 8, pp. 40-44 (USSR)

ABSTRACT: The results obtained by the experimental investigation of the accuracy and efficacy of the mechanical method of photographic triangulation are given. Horizontal concentration by the mechanical method of photographic triangulation was carried out with 8 trapezoids, 4 of which in a scale of 1 : 25000 and 4 of 1 : 10 000. The present paper and the numerous investigations carried out by the author show that the mechanical method surpasses the graphical method with respect to accuracy and that it can therefore be employed for the compilation of photographic maps of plane and hilly regions at a scale of 1 : 25 000, 1 : 10 000 and even of 1 : 5 000. Data are given concerning the accuracy of photographic maps which were produced in the "Sel'khozaeros"yemka" plant under the author's supervision. The

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Investigation of the Mechanical Method of Photographic Triangulation SOV/6-58-8-6/15

tests were carried out with the cooperation of Chief Engineer F. S. Kachura and Engineer A. Radionova. The efficacy of the mechanical method of photo-triangulation compared to the graphical method was determined experimentally on the basis of measurements of time carried out according to working-stages. It was found that by the mechanical method 6 hours are saved per plane-table sheet. The essential advantage offered by the mechanical method is the fact that that part of the process which requires the longest time, viz. reduction and coordination of the network, is here carried out mechanically. The development of photo-triangulation networks by means of split-plane-table sheets leads to a considerable increase of work-productivity if compared with the graphical method. There are 4 tables and 1 reference.

1. Mapping 2. Aerial photography---Effectiveness 3. Aerial photography---Test results

Card 2/2

KUPCHINOV, Ivan Iosifovich, dotsent; LEBEDEV, Sergey Malakhovich; PROTSKO, Dmitriy Vasil'yevich, starshiy prepodavatel'; PETRUKOVICH, Aleksey Alekseyevich, zasluzhennyy deyatel' nauki i tekhniki UzSSR; ZUBRITSKIY, I.V., prof., retsenzent; CHERNYSHEV, M.A., retsenzent; BIRYUKOV, N.N., dotsent, retsenzent; SOLOMONOV, A.A., dotsent, retsenzent

[Geodesy; textbook for students at higher railroad transportation schools] Geodeziia; uchebnoe posobie dlia studentov vuzov zheleznodorozhnogo transporta. Pod obshchei red. A.A.Petrukovicha. Moskva, Vses.zaochnyi in-t inzhenerov zhel.-dor.transp., 1959. 365 p. (MIRA 14:1)

1. Zaveduyushchiy kafedroy geodezii Belorusskogo instituta inzhenerov zheleznodorozhnogo transporta (for Lebedev). 2. Zaveduyushchiy kafedroy "Put' i putevoye khozyaystvo" Belorusskogo instituta inzhenerov zheleznodorozhnogo transporta (for Petrukovich). 3. Zaveduyushchiy kafedroy "Put' i putevoye khozyaystvo" Vsesoyuznogo zaochnogo instituta inzhenerov zheleznodorozhnogo transporta (for Chernyshev).
(Surveying)

96013
S/154/60/000/003/006/008/XX
B012/B054

23,5000 1138

AUTHOR: Lebedev, S. M., Candidate of Technical Sciences, Docent

TITLE: A Generalized Formula for the Total Shift of a Point on an Aerial Photograph

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1960, No. 3, pp. 91-97

TEXT: In the present paper, the author derives, with the aid of a figure, a generalized formula to determine from the rated value H the shift of a point on an aerial photograph due to the common effect of the angle of inclination α of the aerial photograph, the difference in altitude h of the corresponding reference point above the photographic central plane, and the vertical deviation Δ H in photographing:

$$\Delta = r\sqrt{\sin^2\varphi\left[2\sin^2\frac{\alpha}{2}\cos\varphi - \frac{fh\sin\alpha}{r(H-h)}\right]^2 + \left\{\left[1+\frac{\alpha(f^2-r^2)}{rf}\right]\frac{h}{H} - \left(\frac{\Delta H}{H}+\frac{ar}{f}\right)\right\}^2},$$

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A Generalized Formula for the Total Shift of a Point on an Aerial Photograph

86013

S/154/60/000/003/006/008/XX
B012/B054

where $a = \sin\alpha \cos\varphi$, r is the distorted value of the radius vector of point a, r_o is the nondistorted value of this radius vector, φ is the angle between the radius vector and the principal line, and f is the focal distance of the aerial camera. Formulas for the following cases are derived from the above formula: 1) at h = 0, 2) at h = 0 and $\Delta H = 0$, 3) at $\alpha = 0$, and 4) at $\alpha = 0$ and $\Delta H = 0$. Finally, the author derives formula (25):

$$\tan\psi_1 = \tan\varphi - \frac{(A-1)\tan\Delta\varphi}{A}$$

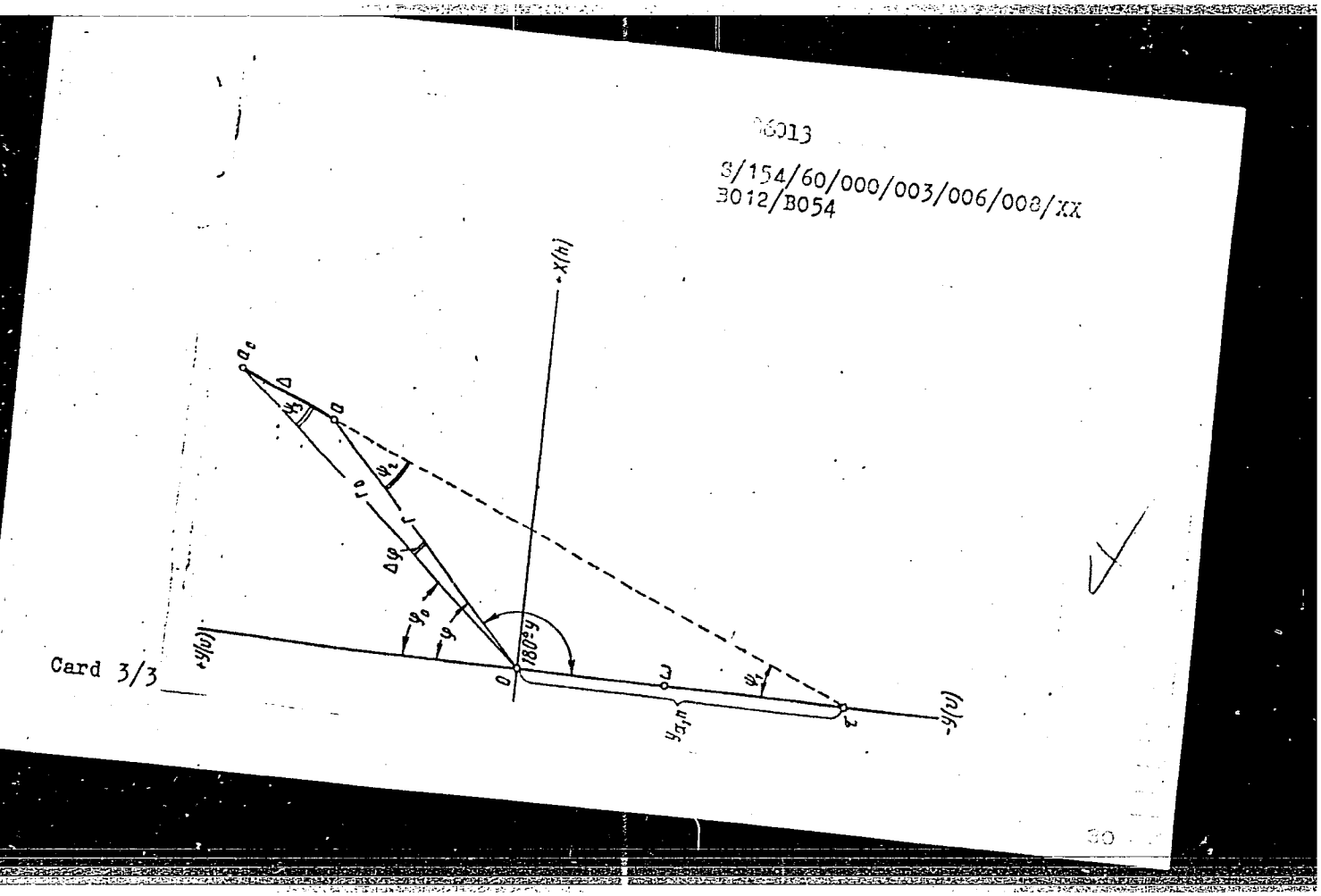
for the direction of the shift. $Q = 1 + \frac{f}{r}\sin\alpha\cdot\cos\varphi$;

$A = \frac{Qh}{H} + \frac{k-p}{k}$; $k = 1 - \frac{r\cdot\sin\alpha\cdot\cos\varphi}{f}$. There are 1 figure and 2 Soviet references.

ASSOCIATION: Belorusskiy institut inzhenerov zheleznodorozhnogo transporta (Belorussian Institute of Railroad Transport Engineers)

SUBMITTED: May 8, 1959

Card 2/3



NOVIKOV, A.N.; BEREZINSKIY, O.P.; GANEYEV, A.G.; LEBEDEV, S.M.

New equipment for guniting the brickwork of open-hearth furnaces. Stal' 20 no.8:712-713 Ag '60. (MIRA 13:7)

1. Vsesoyuznyy institut ogneuporov i Leningradskiy Kirovskiy zavod.

(Open-hearth furnaces--Maintenance and repair)

LEBEDEV, S.M.

Effect of segmental eccentricity and asymmetry on camera height determination. Geod. i kart. no.10:39-42 O '61. (MIRA 14:10)

(Aerial photogrammetry)

BERG, S.L., polkovnik; VOROB'YEV, V.I., kapitan pervogo ranga; GIL'BO, G.M., kapitan pervogo ranga; ANANCHENKO, A.A.; BALAKSHINA, M.M.; BANNIKOV, B.S., kapitan vtorogo ranga; BAKHTINA, G.F.; BERENSHTAM, N.V.; BUTYRINA, N.Ya.; VOROB'YEV, V.I., kapitan pervogo ranga; GASS, I.P.; GINBYSH, N.S.; GLADIN, D.F., polkovnik; GOLOVANOVA, L.G., kand. ist. nauk; GOLUBEVA, Z.D., kand. filol. nauk; GONCHAROVA, A.I.; ZANADVOROVA, R.N.; IVANOVA, N.G.; KARAMZIN, G.B.; KOVAL'CHUK, A.S.; KRONIDOVA, V.A.; LITOVA, Ye.I.; MOLCHANOVA, T.I.; OKUN', L.S.; POCHEBUT, A.N.; RAYTSES, V.I.; SAVINOVA, G.N.; SENICHKINA, T.I.; SKRYNNIKOV, R.G., kand. ist. nauk; FURAYEVA, I.I.; CHIZHOVA, N.N.; YASINSKAYA, L.F.; GLADIN, D.F., polkovnik; LABETSKIY, Ye.F., podpolkovnik; LEBEDEV, S.M., kapitan pervogo ranga; ORDYNSKIY, N.I., kapitan pervogo ranga; NADVODSKIY, V.Ye., podpolkovnik; DEMIN, L.A., inzh.-kontr-admiral, glav. red.; FRUMKIN, N.S., polkovnik, zam. otv. red.; LEVCHENKO, G.I., admiral, red.; BAKHTINA, G.F., tekhn. red.

[Naval atlas] Morskoi atlas. n.p. Izd. Glavnogo Shtaba Voenno-Morskogo Flota. Vol.3. [Naval history] Voenno-istoricheskii. Pt.1. [Text for the maps] Opisaniia k kartam. 1959. xxii, 1942 p. (MIRA 15:5)

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. (Naval history)

L 00808-67

ACC NR: AR6014274 SOURCE CODE: UR/0270/65/000/011/0037/0037

AUTHORS: Kupchinov, I. I.; Lebedev, S. M.; Vilenskiy, V. R.; Protsko, D. V. 41 B

TITLE: The balancing of leveling, theodolitic, polygonometric, and trigonometric networks with the "Ural" electronic digital computer

SOURCE: Ref. zh. Geodeziya, Abs. 11.52.247

REF SOURCE: Uravnoveshivaniye nivelirnykh, teodolitnykh, poligonometricheskikh i trigonometricheskikh setey na ETsVM Ural. M., Nedra, 1965, 187 str.

TOPIC TAGS: digital computer, computer program, coordinate, trigonometry, polygonometry, theodolite/ Ural digital computer

ABSTRACT: The book contains five programs compiled for the "Ural" computer, providing for operation of the computer in fixed point mode. 1. The node method is used in the program for strict balancing of leveling networks. The following conditions are imposed on the network: number of determined nodal points ≤ 60, number of moves ≤ 120, number of sections ≤ 25. Single moves between solid points can be calculated. Excesses in a network can be obtained from geodetic or geometric leveling. A system of normal equations is solved by the approximation method. 2. Program of separate equalization of polygonometric networks and theodolitic moves. The program is compiled for the node method. Conditions:

UDC: 528.16(076):681.142.2

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L 00808-67

ACC NR: AR6014274

number of determinable nodal points $\leq$ 32, number of moves $\leq$ 64, number of lines in move $\leq$ 19. Equalization of single moves which adjoin solid points is possible; here the number of moves in one series is $\leq$ 64. There must not be solid directions at the points being determined. Normal equations are solved by the approximation method. The program provides for leveling of free networks. 3. Up to 64 moves can be handled in 1 by a program of strict balancing of single polygonometric moves. The number of sides in a move $\leq$ 19. Calculation of the move takes $\sim$2.5--3 min of machine time. 4. A program of two-group balancing of a polygonometric network permits balancing of networks with $\leq$ 8 nodal points to be determined; number of moves $\leq$ 20; number of lines in each move $\leq$ 14. The program permits balancing of single moves. The system of normal equations is solved by the Gauss method. 5. The method of satisfactory measurements underlies the program of two-group balancing of trigonometric networks. The primary corrections of the directions are determined from the angle conditions, and the secondary, from the sine conditions. The following conditions are imposed on the network: number of points $\leq$ 18; number of points determined $\leq$ 10, number of sides along which at least 1 direction is measured $\leq$28; length of sides not less than 100 m. There can be unilateral directions in the network. The initial data can be merely the coordinates of the solid points. Lists of working formulas, block diagrams, the order of preparation of the initial data, and the order of operation at the panel of the computer are provided for all programs. Examples of the compilation of the initial data are given. The balanced

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ACC NR: AR6014274

elements of the networks, the allowable and actual deviations, the rms errors of a unit weight are printed out in all of the programs. Illustrated. A. Safonov [Translation of abstract]

SUB CODE: 09

Card 3/3 vlr

KUPCHINOV, Ivan Iosifovich, doktor tekhn. nauk, prof.; LEBEDEV, S.M., prof.; GAN'SHIN, V.N., red.

[Surveying in large-scale industrial construction] Geodeziia pri krupnom promyshlennom stroitel'stve. 2. izd., perer. Moskva, Nedra, 1965. 299 p. (MIRA 18:4)

GAL'PRIN, E.A.; KRASOVITSKIY, Z.I.; VORONTSOV, G.Ya.; [illegible]

Observations of vaccinations against influenza A2. Trudy [illegible]
64-67 '64.

L 23874-66 EWT(1) AT

ACC NR: AP6009853 SOURCE CODE: UR/0413/66/000/004/0048/0048

AUTHOR: Traube, L. V.; Zubov, G. G.; Lebedev, S. N.; Khin, L. S.

ORG: none

TITLE: An electron gun. Class 21, No. 178911 [announced by L'vov Vacuum Tube Plant (L'vovskiy elektrolampovyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 48

TOPIC TAGS: electron gun, vacuum tube

ABSTRACT: This Author's Certificate introduces: 1. An electron gun with a bipotential focusing lens. The gun consists of a cathode assembly and modulator with accelerating, focusing and anode electrodes in the form of cylinders with the same diameter. The overall dimensions are reduced and the design and construction are simplified to permit automation in assembly by using a ratio of 1:1:1:1 for the dimensions of the cylinders which form the modulator and the accelerating, focusing and anode electrodes in the axial direction. 2. A modification of this electron gun in which the modulator and the focusing, accelerating and anode electrodes are made in the form of rings. Diaphragms of equal size are fastened in the modulator and accelerating rings.

UDC: 621.3.032.269.1

Card 1/2

L 23874-66

ACC NR: AP6009853

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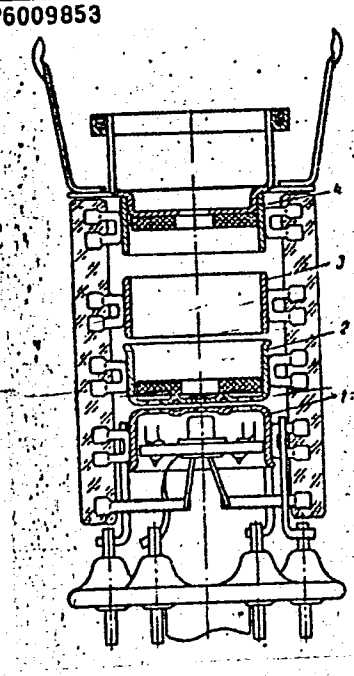

1--modulator; 2--accelerating electrode; 3--focusing electrode; 4--anode

SUB CODE: 09/ SUBM DATE: 24Dec63/ ORIG REF: 000 OTH REF: 000

Card 2/2 ddc

Lebedev, S.P

AID P - 1212

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 7/34

Authors : Lebedev, S. P., Kand. of Tech. Sci., Dotsent and Bibikov, Ye. S., Chelyabinsk

Title : Examination of a dynamoelectric transmission with a common doubled magnetic system

Periodical : Elektrichestvo, 12, 32-37, D 1954

Abstract : The authors investigate the problem of a nongraduated transmission for caterpillar agricultural trucks. A model of a transmission of the DEM-L-type was tested under laboratory conditions. Its construction consists in a concentrically placed d-c generator with a motor and with an immobile magnetic system. The excitation is in parallel for the generator and in series for the motor. The authors present the theory of the problem and their test results and invite discussion. Eight diagrams, 4 Russian references (1940-1953).

Institution : Chelyabinsk Institute of Mechanization and Electrification of Agriculture

Submitted : Jl 9, 1954

SOV/112-58-2-2371

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 96 (USSR)

AUTHOR: Lebedev, S. P.

TITLE: An Automatic Electromechanical Transmission for an Agricultural Tractor (Avtomaticheskaya elektromekhanicheskaya transmissiya dlya sel'skokhozyaystvennogo traktora)

PERIODICAL: V. sb.: Avtomatizatsiya proizv. protsessov v s. kh. M., AN SSSR, 1956, pp 284-300

ABSTRACT: Tractor-motor capacity is not fully utilized in agricultural work because of the step-type mechanical transmission used. The problem of automatic speed control with a variable pull on the tractor hook can be solved only by a stepless transmission. As early as 1949, the author suggested using, as a stepless transmission, a dynamoelectric DEM-LCh coupling with the generator and motor arranged concentrically and with a common magnetic system. Some results of an investigation of the coupling are presented. Electric transmissions are classified, and then three methods of power transmission --

Card 1/2

An Automatic Electromechanical Transmission for an Agricultural Tractor

electrical, mechanical (friction), and electromagnetic — are examined. An analysis of self-regulation stability has shown that the electrical transmission must have a hyperbolic external characteristic (the relationship between the torque and the rpm). Characteristics of the investigated electric transmissions are presented, in particular those of the 3-flux EM-ChIMESKh-1, which has proved to be stable and highly efficient. To pass a final judgment on transmission parameters, its dynamic characteristics under automatic-regulation conditions should be investigated.

A.I.B.

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(Automobiles--Transmission devices)
(Tractors--Transmission devices)

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[Electric transmissions in self-propelled vehicles] Elektroperedachi v samokhodnykh mashinakh. Moskva, Mashgiz, 1961. 223 p. (MIRA 15:2)
(Tractors—Transmission devices)

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(Tractors--Transmission devices)

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1. Chelyabinsk. Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Agricultural machinery) (Electricity in agriculture)

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(Agricultural machinery) (Automatic control)

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1. Kafedra teorii chisel Moskovskogo gosudarstvennogo universiteta.
(Numbers, Theory of)

IVANOV, Nikolay Yakovlevich; LEBEDOV, Sergey Sergeyevich; FILIPPOV, Aleksandr Il'ich; ZELENETSKAYA, L.V., red.; LEVINA, L.G., tekhn. red.

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(Legumes--Harvesting)

IVANOV, Nikolay Yakovlevich; LEBEDEV, Sergey Sergeyevich; MALITSKIY, Aron Il'ich; FILIPPOV, Aleksandr Il'ich; MIKAEL'YAN, T.S., red.; SAYTANIDI, L.D., tekhn. red.

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(Buckwheat) (Millet) (Agricultural machinery)

TSEKHANOVSKIY, L.F., starshiy mekhanik,; LEBEDEV, S.T., brigadir slesarey,; SILAKOV, I.I., tokar'

Widening platforms of G-151-A heavy-duty trailers for transporting excavators and tractors. [Suggested by L.F.TSekhanovskii, S.T. Lebedev, I.I.Silakov]. Rats. i izobr. predl. v stroi. no. 4:51-52 '57.

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LEBEDEV, S.V.

Use of pirilen in treating hypertension patients. Vrach. delo no.7:21-25 Jl'63. (MIRA 16:10)

1. Ukrainskiy institut eksperimental'no endokrinologii i kafedra propedevtiki vnutrennikh bolezney (zav. - dotsent A.M.Agaletskaya) Khar'kovskogo meditsinskogo instituta.
(HYPERTENSION) (PIRILEN)

USSR/Physics FD 427

Card 1/1 Pub. 147-13/16

Author : Lebedev, S. V., and Khaykin, S. E.

Title : Certain anomalies in the behavior of metals heated by impulses of heavy-density current

Periodical : Zhur. eksp. i teor. fiz. 26, 629-639, May 1954

Abstract : Investigate the dependence of the electrical conductivity of a metal conductor upon the energy entering it for a current density of about one million A/cm^2. Observe here the anomalous course of this dependence, which points to an unusual state of metal itself.

Institution : Physics Institute imeni P. N. Lebedev, Acad Sci USSR

Submitted : July 13, 1953

LEBEDEV, S.V.

FD-720

USSR/Physics - Electron emission

Card 1/1 : Pub 146-8/18

Author : Lebedev, S. V., and Khaykin, S. E.

Title : Anomalies of electron emission from tungsten heated by an impulse of high-density current

Periodical : Zhur. eksp. i teor. fiz., 26, 723-735, Jun 1954

Abstract : Investigate electron emission of tungsten that is heated by an impulse of high-density current. Under such heating the emmission exceeded the usual tungsten emission at melting temperature. One reference.

Institution : Physics Institute imeni Lebedev, Acad Sci. USSR

Submitted : July 13, 1953