

KAMALYAN, L.A., kand. biolog. nauk; VARTEVANYAN, Zn. TS.

Effectiveness of the prophylactic activity of the specific gamma globulin in the vaccine keratitis of irradiated and nonirradiated rabbits. Vop. radiobiol. [AN Arm. SSR] 3/4:53-57 '63.

(MIRA 17:6)

KAMALYAN, L.A., kand. biolog. nauk; VARTSEVANYAN, ZH.TS.; SHAKHHAZARYAN,
E.L.

Study of the properties of vaccine virus in X-ray irradiated and
nonirradiated tissue culture. Vop. radiobiol. [AN Arm. SSR]
3/4:59-64 '63. (PUB 1716)

KAMALYAN, L.A., kand. biolog. nauk; TER-PUGOSYAN, R.A., dotsent; VARTIVANYAN,
Zh.TS.

Comparative study of the reproduction of vaccine virus in X-ray
irradiated and nonirradiated tissue culture. Vop. radiobiol. [An
Arm. SSR] 3/4:77-82 '63. (MIRA 17:6)

PAPOYAN, S.A.; TER-POGOSYAN, R.A.; KAMALYAN, L.A.; VARTEVANYAN, Zh.TS.;
TER-AVETISYAN, A.T.; YENGOYAN, M.N.

Study of the initial phase of the interaction between vaccine virus
and irradiated tissue culture cells. Vop. radiobiol. [AN Arm. SSR]
3/4:275-281 '63. (MIRA 17:6)

KAMALYAN, G.V.; KAMALYAN, L.A.; TER-POGOSYAN, R.A.; VANTEVANYAN, Zh.TS.;
TER-AVETISYAN, A.T.

Some data on the effect of colamine on the development of vaccine
virus and the formation of antivariolar immunity. Vop. radiobiol.
[AN Arm. SSR] 3/4:283-287 '63. (MIRA 17:6)

L 53926-65

ACCESSION NR: AP5017355

U2/0298/64/017/011/0069/0073

AUTHOR: Kamalyan, G. V.; Kamalyan, L. A.; Ter-Legyan, A. A.; Suliyatyan, G. G.; Vartevanyan, Ch. Ts.; Yengoyan, M. N.

TITLE: Comparative study of the dynamics of formation of anti-smallpox antibodies and their activity in the blood of experimental animals irradiated with x-rays

SOURCE: AN armSSR. Izvestiya. Biologicheskiye nauki, v. 17, no. 11, 1964, 69-73

TOPIC: experiment animal; immunology; radiology; x ray irradiation; virus disease; virology; blood; drug; test; biology

Abstract: The synthesis of antibodies to smallpox virus in the blood of experimental animals irradiated with x-rays was studied. It was found that the synthesis of antibodies is inhibited in animals irradiated with x-rays. The activity of antibodies in the blood of irradiated animals is also inhibited. The results of the study are discussed in relation to the problem of the formation of antibodies in irradiated animals.

1. The synthesis of antibodies to smallpox virus in the blood of experimental animals irradiated with x-rays was studied. It was found that the synthesis of antibodies is inhibited in animals irradiated with x-rays. The activity of antibodies in the blood of irradiated animals is also inhibited. The results of the study are discussed in relation to the problem of the formation of antibodies in irradiated animals.

Card 1

L 53926-0'

ACCESSION NR: AP5017355

odies are primarily associated with the gamma-globulin fraction of the serum proteins. Systematic administration of colamine in the period of immunological rearrangement stimulates the formation of anti smallpox antibodies in irradiated and non-irradiated rats. (p. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)

ASSOCIATION: Yerexanekly sovetskoyey armii i voysk narodnoy obrany...

SUBMITTED: 1788004

NO REF SOV: 009

OTHER: 000

JPRS

2/2

RUMANIA/Chemical Technology - Chemical Products and Their
Application. Food Industry.

H-28

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 26858
Author : Vartic C.
Inst :
Title : Production and Storage of Grape Juice.
Orig Pub : Gradina, via si livada, 1957, 6, No 19, 27-30

Abstract : Description of composition, properties and therapeutic
action of grape juice. For preservation it is recommen-
ded to pasteurize (for 30 minutes at 65-70° or 15 minu-
tes at 75-80°) the filtered juice, or to store it either
at 2-3° or under CO₂ pressure (7-8 atmospheres), and
bottle the juice several months later. Small amounts
of juice are bottled immediately after pasteurizing and
subjected to sterilization thereafter (30 minutes, 70-
75°).

Card 1/1

- 78 -

RUMANIA

VARTIC, Dr. N.; GEORGEANU, Dr. P.; and MICLEA, M., Veterinary Physician
(Faculty of Veterinary Medicine) (Facultatea de medicina veterinara,) Cluj.

"Treatment of Anthrax Abscesses"

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No. 5,
May 66; pp 70-73.

Abstract: [English summary modified]: Direct injection of antibiotics
(streptomycin and penicillin in saline) was found more effective when injected
directly into the abscess cavity than the standard parenteral treatment with
the same drugs in several cases in large domestic animals. 5 Rumanian refer-
ences.

VARTIACVA, Marta

SURNAME, Given Names

(1)

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Institute of the History of KSS /Komunisticka strana Slovenska;
Communist Party of Slovakia/ (Ustav dejin KSS), Bratislava

Source: Bratislava, Nasa Veda, Vol VIII, No 4, 1961, pages 225-227.

Data: "Communist Party of Czechoslovakia and Our Socialist Present."

GPO 981643

VARTIKOVSKIY, G.L.; ORLOV, I.I.; MAKSIMOV, V.I.; ADROV, M.I., red.

[Tree years' results (1959-1961) of forecasting the tar production of the pine forests of the Tyumen' Economic Council, and the forecast of tar production for the 1962 tapping season]. Trekhletnie itogi prognozirovaniia smoloproduktivnosti sosnovykh lesov Tiimenskogo sovnarkhoza, 1959-1961 gg. i prognoz smoloproduktivnosti dlia sezona podsochki 1962 g. Tiumen', TSentr. biuro tekhn. informatsii, 1962. 14 p. (MIRA 16:5)
(Tyumen' Province--Turpentining)

SOLOMON, M., Dr.; DONOVAN, G., dr.; VARTIRES, Chy.

Paper electrophoretic apparatus for making simultaneously a great number of analyses, with an ice-cooling and temperature-maintenance system. Med. int., Bucur. 4 no.8:1244-1248 Dec 56.

1. Lucrare efectuata in Clinica I-a chirurgicala, Spitalul Panduri si Sectia de fiziologie experimentală, Institutul de pediatrie.

(ELECTROPHORESIS, appar. & instruments

appar. for simultaneous analysis of 9 to 12 specimens, with ice-cooling & temperature-maintenance system)

VARTKO, D.

The role of circulatory disturbances in the origin of encephalomalacia and their relationship to the degree of neurological findings. Bratisl. lek. listy 45 no.6:358-366
31 Mr '65.

1. Neurologická klinika Lekárske fakulty Univerzity Komenského v Bratislave (vedúci :akademik Slovenskej akadémie vied J. Černáček, DrSc.).

VARTNAGAVA, T. I.

GIKASHVILI, K.G., and VARTNAGAVA, T. I. "Fungi Collected on Tea Bushes on the Tschakva Plantations and in the Vicinity of Tschakava from 23rd May to 23rd June, 1930." Izvestia Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Chainogo Khoziaistva, no. 2, 1931, pp. 11-24 68.19 V96

So: Sira Sl-90 53, 15 Dec 1953

AUTHOR: Vartobedov, F.S. SOV/19-58-6-622/685

TITLE: A Device for Adjusting the Supply of Paint to a Spray Nozzle (Ustroystvo dlya regulirovaniya podachi kraski k raspylitel'noy forsunke)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 137 (USSR)

ABSTRACT: Class 75a, 22. Nr 113364 (573107 of 16 May 1957). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. A device for adjusting the supply of paint to a spray nozzle connected to an endless pipeline with continually circulating paint pumped through an electromagnetic valve; including electric resistance pickups in front of the valve and in the branch pipe to the nozzle controlling the valve according to the variations of overpressure and counterpressure.

Card 1/1

Vartolomei, I.

RUMANIA / Chemical Technology. Chemical Products and H
Their Application. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33126.

Author : Vartolomei, I.

Inst : Not given.

Title : A Rapid Method for the Determination of Fat in
Biscuits and Candy.

Orig Pub: Standardizarea, 1958, 10, No 8, 379-381, 415-416.

Abstract: Ten ml. of distilled water are added to 3 g. of
the article (for biscuits, this operation is
omitted); the mixture is stirred well and, after
the addition of 20 ml. of ether, is shaken for 30
minutes and centrifuged for 5-10 minutes (in the
case of biscuits, if the ether is not transpar-
ent, 3-4 ml. of water are added and again cen-
trifuged for 3-4 minutes). Ten ml. of the ether

Card 1/2

RUMANIA / Chemical Technology. Chemical Products and H
Their Application. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33126.

Abstract: extract are withdrawn and evaporated to dryness
at 105-110° (for 20 minutes). The fat percent-
age is calculated according to the formula:
 $2 \cdot G_1 \cdot 100 / G$ (where G_1 is the weight of dry fat in
g., G is the weighed portion of the product in g.).
The duration of the analysis is 1 hour. -- A.
Marin.

Card 2/2

L 60500-85

ACCESSION NR: APS000111

SI/0012/64/000/001/0657/0666/17

... (Corres- ...)

SOURCE: Revista sanitara militara, no. 4, 1964, 657-666

TOPIC TAGS: tissue disease, external medicant

ABSTRACT Study with 16 different ointment, 4 emulsion and 5 solution dosage forms of common photoprotective preparations having as active ingredients PAB, PABA, ZnO, and tannic acid. Despite a number of other disadvantages, ointments are still the most suitable dosage form for the purpose. One Czech, 1 Polish, 1 Soviet, 1 formula, 1 figure, 1 formula.

Card 1/2

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858710016-4

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858710016-4"

AUTHOR: Vertolosef, M. (Pharmacist, Colonel); Zdralewski, P. Pharmacist.

products after the explosion, their chemical composition, biological and bacteriological data. Orig. Art. Incl.: 2 tables, 15 references.

VARTPARONIAN, G.

VARTPARONIAN, G. New technical achievements in Soviet cotton ginning. p. 332.

Vol. 6, no. 10, Oct. 1955
INDUSTRIA TEXTILA
Bucuresti, Rumania

So: Eastern European Accession Vol. 5 No. 4 April 1956

VARTPARONIAN, G.

Objectives of technical and scientific research in the field of the preindustrialization of Rumanian cotton.

p. 294 (Industria Textila) Vol. 8, Nol 7, July 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EFAI) LC, VOL. 7, NO. 1, JAN. 1958

VARTSEV, S. P.

AID P - 3405

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 20/30
Author : Vartsev, S. P., Foreman
Title : Installing lock-catches of an electromagnetic locking system on drives of the P4-50/100 type
Periodical : Energetik, 10, 27-28, 0 1955
Abstract : The author describes the locking mechanisms for worn gear drives of the P4-50/100 type of a 6-kv distributing installation. The locks were designed by the Trust for the Planning and Investigation of Thermal and Electric Power Plants, Networks and Substations. The author gives the details of mounting the locks and adds detailed drawings of it.
Institution : None
Submitted : No date

MARTSUKOV, G. V., KORNILOV, A. A., AMEKIN, V. I., and CHEBUREK, V. P.

"Investigation of Forced Cooling of Castings in Sand Moulds"

report presented at the 7th Conference on the Interaction of the Casting Mould and the Casting, sponsored by the Inst. of Mechanical Engineering, Acad. Sci. USSR, 25-28 January 1961.

VARTUMYAN, E.

Increasing economic dependence of Canada on the United States
[with English summary in insert]. Vnesh. torg. 28 no.3:18-23 '58.
(MIRA 11:5)

(Canada--Foregin economic relations--United States)
(United States--Foreign economic relations--Canada)

VARTUMYAN, E.

Packaging of expert merchandise. Vnesh. terg. 29 no.4:28-29 '59.
(MIRA 12:6)

(Packing for shipment)

VARTUNYAN, E.

New Zealand in foreign markets. Vnesh.torg. 50 no.11:23-25
'60. (MIRA 13:11)

(New Zealand--Economic conditions)
(New Zealand--Commerce)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOTOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MENZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKRUT, V.A.; ALEKSEYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovani priminali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, (MIRA 12:12) 1959. 609 p.

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
(Economic conditions)

POLYANIN, D.V.; ZOTOV, G.M.; GRYAZNOV, E.A.; MENZHINSKIY, Ye.A.; RUBININ, A.Ye.; CHEBOTAREVA, Ye.D.; ZAKHMATOV, M.I.; OKUNEVA, L.P.; SHMELEV, V.V.; STULOV, A.A.; POKROVSKIY, A.N.; SHIL'DKRUT, V.A.; IVANOV, A.S.; NABOROV, V.B.; FINOGENOV, V.P.; KUR'YEROV, V.G.; KHRAMTSOV, B.A.; BATYGIN, K.S.; BOGDANOV, O.S.; KROTOV, O.K.; GONCHAROV, A.N.; KRESTOV, B.D.; LYUBSKIY, M.S.; SOKOL'NIKOV, G.O.; KAMENSKIY, N.N.; YASHCHENKO, G.I.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; STEPANOV, G.P.; BORODAYEVSKIY, A.D.; INGATUSHCHENKO, S.K.; VARTUMYAN, E.L.; KAPELINSKIY, Yu.N., red.; MAYOROV, B.V., red.; NABOROV, V.B., red.; SOLODKIN, R.G., red.; DROZDOV, A.G., red.; ROHQHINA, L., red.; SOLOV'YEVA, G., mladshiy red.; CHEPELEVA, O., tekhn. red.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany. Pod red. I.U.N. Kapelinskogo. Moskva, Sotsekgiz, 1962. 447 p. (MIRA 16:2)
(Economic history)

VARTUMYAN, Eduard Leonovich

[Australia; economics and foreign trade] Australia; ekonomika
i vneshniaia trgovlia. Moskva: Vneshtorgizdat, 1963.
153 p. (MIRA 17:5)

V. A. U. at A. M.
Subject, given name

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Comunicarele Academiei Republicii Populare Romane,
Vol XI, No 8, 1981, pp 951-956.

Data: "The Relative Growth of Abramis brama brama (L.) Studied by Means
of the Branchio-Somatic Relation."

Authors:

RENDER, E.

SOICLON, I.

SIMIONESCU, V.

VALENCIUC, N.

VARVARA, M.

GPO 981643

VARUKHINA, A. S., KUZINA, V. K., ALEKSEYEV, A. G. and DEL'FER, A. S. ; CHERNOMORDIK, R. M.;

"A Study of the Initial Manifestations of Coronary Insufficiency on the Basis of Polyclinical Records".

Voyenno Meditsinskiy Zhurnal, No. 4, 1962

VARUNOV, K., tekhnik

Sixty-first variant. Znan.-sila 35 no.2:25-27 F '60.
(MIRA 13:5)

(Limokilns)

VARUNOV, K.

Warming the body of a dump truck. Stroitel' 2 no.10:11 0 '56.

(MLRA 10:1)

(Dump trucks) (Building materials--Transportation)

SULIN, V.A., inzh.; VALIJEV, K., starshiy tekhnik (g.Volzhskiy); VOLONOV, Dm. (g.Asi-Khabad); LATONOV, A., elektrik (g.Gor'kiy); SHAPIRO, Ye.; KOPCOV, N., inzh. (g.Leningrad)

Suggested, created, introduced. Izobr.i rats. no.6:38-40 Je '60.
(KIFA 14:2)

1. Byuro sodeystviya ratsionalizatsii i i izobretatel'stvu Gosudarstvennogo soyuznogo konstruktorsko-tekhnologicheskogo byuro po proyektirovaniyu schetnykh mashin, g.Leningrad (for Sulin). 2. Sotrudnik gazety "Stroitel", g.Baku (for Shapiro).
(Technological innovations)

14(10)

SOV/98-59-2-5/22

AUTHOR: Varunov, K.F., Engineer

TITLE: The Installation of a Vertical Drainage
from Porous Concrete (Ustroystvo vertikal'-
nogo drenazha iz poristogo bctona)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959,
Nr 2, p 22-25 (USSR)

ABSTRACT: The author describes the use of tubular
filtering blocks, made from porous concrete,
during the construction of the Stalingrad
Hydro-Electric Power Plant. These blocks were
prepared from sifted crubled stones with the
aluminous cement of the 400 mark (75 cm long,
external diameter - 35 cm, internal diameter -
15 cm). Each block was tested for filtration.
The filtration coefficient was determined ac-
cording to the formula elaborated by P.A.

Card 1/3

14(10)

SOV/98-59-2-5/22

The Installation of a Vertical Drainage
from Porous Concrete

Kulakov:

$$K = \frac{Q}{0,47H(1+5H)}$$

where Q - is the amount of the water filtering through the walls in cu m in 24 hours, and H - is the height of the water column inside the block. A determined amount of water (294 cu m in 24 hours) was then poured into the block. If, at the end of the experiment, the height of the water column did not exceed 50 cm, the block was good for use because its filtration coefficient (according to the formula) would be more than 350 m in 24 hours.

Card 2/3

14(10)

SOV/98-59-2-5/22

The Installation of a Vertical Drainage
from Porous Concrete

After drilling the hole not less than 2 m deep, the tubular blocks were placed inside the drive-pipe and held together with a felt padding impregnated with dissolved bitumen. After the drive pipes were extracted, the empty space was filled with coarse-grained sand. The interior of the blocks was then washed with a powerful ejector pump and after that the inside was filled with gravel. There are 2 diagrams, 1 photo, 1 graph and 1 table.

Card 3/3

VARUNOV, K.F.

Deep placemnt filters made of porous asphalt concrete. Vod.1
san.tekh. no.8:19 N '55. (MLRA 9:3)
(Filters and filtration)

VARUNTSYAN, E.S. I BEKAREVICH, N.E.

25105 BEKAREVICH, N.E. I VARUNTSYAN, E.S. Skhema Pochvenno-Agrotekhnicheskikh Zon
Khlopkovoy Territorii Azerbaydzhanskoj SSR. - V Ogl. 2-y Aft: E.S. Vartsunyan.
Trudy Yubileynoy Sessii, Posvyashch. Stoletiyu So Dnya Rozhdeniya Dokuchayeva.
M.-L., 1949, S. 571-73

SO: Letopis', No. 33, 1949

VARUNTSYAN, E.S., kand.sel'skokhoz.nauk (Baku)

System of deep drainage for the improvement of salinized soils. Gidr.
i mel. 14 no.9:3-11 S 162. (MIRA 17:2)

USSR / Soil Science. Tillage. Reclamation. Erosion. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6107.

Author : Varuntsyan, E. S.

Inst : Not given.

Title : Experimental Utilization of Salted Soils of
Kura-Araksinskaya Lowlands of the Azerbaijan
Socialist Soviet Republic.

Orig Pub: V. sb.: Materialy Ob'yedin. nauchn. sessii po
khlopkovodstvu. T. 3. Tashkent, Gosizdat UzSSR,
1958, 298-314.

Abstract: The effectiveness of the Dzhafarkhan /Azerbai-
jan/ drainage system during the period of 1956-
1957 is described. For the distillation of
waters from soils and from ground waters a sig-
nificant increase of the flushing rate and the


Card 1/2

42

VARUNTSYAN, I., Academician

"Creators of Agriculture," 1949.

Stalin Prize Laureate

Current Digest of the Soviet Press, Vol. 1, No.16, page 65, 1949.
(In  Library).

VARLETSKIY, I. D.

KHLOPCHATNIK (NEKOTORYYE VOPROSY BIOLOGII I BOTANIKI) MOSKVA, ILD-VO
ZNANIYE, 1952. 31 P. (VSESOYUZNOYE OBSHCHESTVO PO RASPROSTRANENIYU POLITI-
CHESKIKH I NAUCHNYKH ZNANIY. 1952, SERIYA 3, NO. 18)

TELYATNIKOV, N.N.; VARUNTSYAN, I.S., akademik, red.; GLUSHCHENKO, I.Ye.,
doktor biolog.nauk; red.; YENIKHEYEV, Kh.K., kand.biolog.nauk, red.;
OL'SHANSKIY, M.A., akademik, red.; PEROV, S.V., kand.ekonom.nauk,
red.; PREZENT, I.I., akademik, red.; KHALIFMAN, I.A., kand.biolog.
nauk, red.; YAKOVLEV, P.N., akademik, red.; SAVZDARG, V.E., otv.
za vypusk; BAYLOD, A.I., tekhn.red.

[Michurin's teaching in the people's service; collection of
articles] Michurinskoe uchenie na sluzhbe narodu; sbornik statei.
Moskva, Gos.izd-vo sel'khoz.lit-ry. No.3. 1955. 238 p.
(MIRA 13:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni Lenina.
(Plant breeding) (Stock and stockbreeding)

TELYATNIKOV, N.N.; VARUNTSYAN, I.S., akademik, redaktor; GLUSHCHENKO, I.Ye., doktor biologicheskikh nauk, redaktor; YERNIKEYEV, Kh.K., kandidat biologicheskikh nauk, redaktor; OL'SHANSKIY, M.A., akademik, redaktor; PEROV, S.V., kandidat ekonomicheskikh nauk, redaktor; PREZENT, I.I., akademik, redaktor; KHALIFMAN, I.A., kandidat biologicheskikh nauk, redaktor; YAKOVLEV, P.N., akademik, redaktor; BALLOD, A.I., tekhn. red.

[Michurin science in the service of the people; a collection of articles] Michurinskoe uchenie na sluzhbe narodu; sbornik statei. Moskva, Gos.izd-vo selkhoz.lit-ry. No.1. 1955. 269 p.

(MLRA 9:4)

1. Vsesoyuznaya Akademiya sel'skokhoziaistvennykh nauk imeni V.I.Lenina.

(Michurin, Ivan Vladimirovich, 1855-1935) (Plant breeding)

SAVCHUK, P.I.; ASKOCHINSKIY, A.N., redaktor; BABKOV, I.V., redaktor;
BAKULIN, Yu.A., redaktor; VARUNTSYAN, I.S., redaktor; KRYLOV, G.A.,
redaktor; OBOLENSKIY, K.P., redaktor; SOKOVNIKOV, S.Ye., redaktor;
USTINOV, M.A., redaktor; BALLOD, A.I., tekhnicheskii redaktor

[Conférence of cotton growers of the republics of Central Asia,
Transcaucasia, and Kazakhstan, in Tashkent, November 17-20, 1954]
Soveshchanie rabotnikov khlopkovodstva respublik Srednei Azii,
Zakavkaz'ia i Kazakhskoi SSR v Tashkente 17-20 noiabria 1954 g.
Moskva, Gos. izd-vo selkhoz. lit-ry, 1955. 340 p. (MIRA 9:10)

1. Soveshchaniye rabotnikov khlopkovodstva respublik Sredney Azii,
Zakavkaz'ya i Kazakhskoy SSR, Tashkent, 1954.
(Cotton growing)

BROWN, C.H.; VARUNTSYAN, I.S., redaktor; LASTOVKA, Ye.V., redaktor;
NIKOLAYEVA, V.G., redaktor; BOGDANOV, V.P., tekhnicheskiy redaktor;
SHAPOVALOV, V.I., tekhnicheskiy redaktor

[Egyptian cotton. Abridged translation from the English] Egipetskiy
khlopchatnik. Sokrashchennyi perevod s angliiskogo. Pod obshchei red.
i s predisl. I.S.Varuntsiana. Moskva, Izd-vo inostrannoi lit-ry,
1956. 167 p. (MIRA 10:1)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Varuntsyan)
(Egypt--Cotton growing)

VARUMTSYAN, I.S.,
ALEKSANDROV, A.S., kandidat sel'skokhozyaystvennykh nauk; VARUMTSYAN, I.S.,
akademik; GUSHCHIN, B.F., agronom; MEDNIS, M.P., kandidat sel'sko-
khozyaystvennykh nauk; SOKOLOV, F.A., kandidat sel'skokhozyaystvennykh
nauk; LEGOSTAYEV, V.M., kandidat sel'skokhozyaystvennykh nauk;
CHUVAKHIN, V.S., entomolog; CHUMANOV, Yakov Ignat'yevich, doktor
sel'skokhozyaystvennykh nauk [deceased]; CHELYSHKIN, Yu.G., redaktor;
VESKOVA, Ye.I., tekhnicheskij redaktor

[Cotton growing] Khlopkovodstvo. Pod red. IA.I.Chumanova i V.S.
Chuvakhina. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1956. 407 p.
(Cotton growing) (MIRA 10:9)

~~VARUNTSYAN, I.S.~~, akademik, red.; KAPYSHEVA, V.S., red.; PEVZNER, V.I.,
tekh.n.red.

[New preparations for cotton plant defoliation before harvesting]
Novye preparaty dlia preduborochnogo obezlistvleniia khlopchatnika.
Pod red. I.S.Varuntsiana. Moskva, Gos. izd-vo sel'khoz. lit-ry,
1957. 94 p. (MIRA 11:5)

1. Vsesoyuznaya Akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina. Sektsiya tekhnicheskikh kul'tur. 2. Deystvitel'nyy
chlen Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk imeni
V.I.Lenina (for Varuntsyan)
(Cotton growing) (Defoliation)

LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV,
V.; YEVTUSHENKO, A.; ZASYADNIKOV, T.; ALTSOV, M.; UTEKHIN, A.;
GORSHKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;
BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.;
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.;
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.;
ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.;
TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.;
LUTKOVA, I.

P.N. Iakovlev; obituary. Agrobiologiya no.6:119 N-D '57.
(MIRA 10:12)

(Iakovlev, Pavel Nikanorovich, 1898-1957)

VARUNTSYAN, I. S.

YAKUSHKIN, I.V., akademik, redaktor; VARUNTSYAN, I.S., akademik, redaktor;
KARPENKO, M.E., redaktor; SOKOLOVA, N.D., tekhnicheskij redaktor;
ZUBILINA, Z.P., tekhnicheskij redaktor

[Breeding sugar beets for high sugar content; proceedings of the plenum of the industrial crops section of All-Union Academy of Agricultural Sciences] Seleksiia sakharnoi svekly na povyshenie sakharistosti; trudy plenuma sektsii tekhnicheskikh kul'tur, 23-25 noisbria 1954 g. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 277 p.
(MLBA 10:10)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina. Sektsiya tekhnicheskikh kul'tur.
(Sugar beet breeding)

LYSENKO, T.D.; OL'SHANSKIY, M.A.; SINYAGIN, I.I.; GLUSHCHENKO, I.Ye.;
VARUMTSYAN, I.S.; PREZENT, I.I.; SHCHERBINOVSKIY, N.S.; SHUNKOV,
V.I.; YEVSTIGNEYEV, S.N.; BOCHEVER, A.M.; LITVIN, V.M.; YAYKOVA,
A.T.; PODVOYSKIY, I.I.; SAKS, Ye.I.; KHALIFMAN, I.A.; FEYGINSON,
N.I.; SHCHEGLOVA, Yu.N.; DLUGACH, G.V.; STERNIN, R.A.; LISOVSKAYA,
O.V.; GUBINA, T.I.; ROZENFEL'D, M.I.; TSVETAYEVA, Ye.M.; PARKHO-
MENKO, Ye.V.; NEYMAN, N.F.

Sofia Iakovlevna Voitinskaia; an obituary. Agrobiologiya no.4:121
Jl-Ag '58. (MIRA 11:9)
(Voitinskaia, Sofi'ia Iakovlevna, 1898-1958)

VARUNYANTS, I.S., akademik

On "radiation breeding." Agrobiologija no.4:140-156 J1-Ag '58.
(MIRA 11:9)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.
Lenina.

(Plants, Effect of radiation on) (Plant breeding)

VARUNTSYAN, I.S., akademik

Problems in the classification of cotton. Agrobiologia no.5:141-156
S-O '58. (MIRA 11:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina.
(Cotton)

VARUNTSYAN, I.S., akademik

Interspecific hybridization of cotton. *Agrobiologia* no.2:
304-313 Apr '59. (MIRA 12:6)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I. Lenina.
(Cotton breeding)

VARUNTSYAN, I.S.

Effect of gibberellic acid on cotton ("Preliminary studies on the
application of gibberellic acid to cotton seed and seedlings").
Agrobiologia no.4:639-640 J1-Ag '59. (MIRA 12:10)
(Gibberellic acid) (Cotton research)

LYSENKO, T.D.; PAPANIN, I.D.; POZDNYAKOV, Ye.V.; VARUNTSYAN, I.S.;
PREZENT, I.I.; LEPIKHIN, A.V.; GRIBANOV, R.N.; YUDIN, V.M.;
GERCHIKOV, N.P.; KORYAZHNOV, V.P.; VSYAKIKH, A.S.; IL'INA, Ye.D.

In memory of Petr Aleksandrovich Manteifel'. Agrobiologiya
no. 3:453-454 My-Je '60. (MIRA 13:12)
(Manteifel', Petr Aleksandrovich, 1882-1960)

VARUNTSYAN, I.S., akademik, red.; TETYUREVA, I.V., red.; DOZLOVSKAYA,
M.D., tekhn. red.; SOKOLOVA, N.N., tekhn.red.

[Controlled heredity in farm plants; materials of the scientific conference of November 27 - December 3, 1962] Upravlenie nasledstvennost'iu sel'skokhoziaistvennykh rastenii; materialy nauchnoi konferentsii 27 noiabria - 3 dekabria 1962 g. Moskva, Sel'khozizdat, 1963. 527 p.

(MIRA 17:3)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. 2. Vitse-prezident Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Varuntsyan).

VARUNTSYAN, I.S.

Some problems with regard to artificial polyploidy. *Agrobiologia*
no.1:147-154 Ja-F '63. (MIRA 16:5)
(Polyploidy) (Plant breeding)

VARUNTSYAN, I.S., akademik

Tasks of the scientific conference on problems in controlling the
heredity in farm plants. Agrobiologia no.2:163-166 Mr-Apr '63.
(MIRA 16:7)

(Plant breeding—Congresses)

VARUNTSYAN, I.S.

Some remarks apropos of the H. Gaul's article on the importance
of induced mutations in plant breeding. Agrobiologia no.5:
771-774 S-O '65. (MIRA 18:9)

VARUSHA, V.M.; BYCHKOVSKIY, Z.M., inzh.

Practices in introducing bitumen-latex roofing. Transp. stroi.
15 no.4:27-28 Ap '65. (MIRA 18:6)

1. Starchiy inzh. tresta Donbasstranstroy (for Varusha).

33031
S/079/62/032/001/008/016
D202/D302

11.2223
11.2232
11.1250
AUTHORS:

Gal'chenko, O.L., Varushchenko, R.M., Bubnov, Yu.N.,
and Mikhaylov, B.M.

TITLE: The heat of formation of the n-butyl ester of di-n-
butyl boric acid

PERIODICAL: Zhurnal obshchey khimii, v. 32, no. 1, 1962, 284-287

TEXT: The authors determined the standard heat of combustion of
di-n-butyl boric acid and of the n-butyl ester and its heat of for-
mation, based on the value of the heat of formation of B₂O₃, pub-
lished recently in Western literature. (n-Bu)₂B-On-Bu was obtained
by a method previously described by the authors. Calorimetric tests
were carried out with ~0.4 g of the substance, under 25 atm. of O₂ ✓

Full experimental details are given, as well as the methods used
for determining the combustion products. Some side reactions take
place. The authors introduced corrections to their results, based
on the following assumptions: a) The tiny black spots of incomplete

Card (1/3)

33931

S/079/62/032/001/008/016
D202/D302

The heat of formation of the ...

combustion consist of B_4C and C ; b) B_2O_3 is hydrated during the main combustion process to boric acid; c) H_2O formed during combustion is used partly in the hydration process and partly to form a saturated solution of boric acid. d) The small amount of water (0.9 g) introduced into the calorimeter before combustion in some experiments does not take part in the solution process. The experimental results are given in a table and it is seen that with the above corrections the results are the same with added water as in its absence. The heat of formation of traces of HNO_3 , heats of hydration and solution and those of incomplete combustion were allowed for. It has been found that the heat of combustion of the ester was equal to -2040.7 ± 1 Kcal/mol under conditions of the combustion experiment, and to -2045.7 ± 1 Kcal/mol under standard conditions. The heat of formation of the ester was calculated as -156.1 ± 3 Kcal/mole. There are 1 table and 12 references: 5 Soviet-bloc and 7 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: E.J. Prosen, W.H. Johnston and F.Y. Pergiell, J. Res. Natl. Bur. Stand., 62, 43, 1959; D. Smith, ✓

Card 2/3

33931

The heat of formation of the ...

S/079/62/032/001/008/016
D202/D302

A.S. Dworkin, and E.R. van Artsdalen, J. Am. Chem. Soc., 77, 2654, 1955; E.R. van Artsdalen and K.P. Anderson, J. Am. Chem. Soc., 73, 579, 1951; F.D. Rossini et al. Selected values of thermodynamic properties, Natl. Bur. Stand. Circ., 500, 1952.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova i Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR (Moscow State University imeni V.M. Lomonosov and Institute of Organic Chemistry imeni N.D. Zelinskiy of the Academy of Sciences USSR) ✓

SUBMITTED: January 9, 1961

Card 3/3

GAL'CHENKO, G.L.; VARUSHCHENKO, R.M.; BUBNOV, Yu.N.; MIKHAYLOV, B.M.

Determination of the heat of formation of di-n.-butyl ester of
n.-butylboric acid. Zhur.ob.khim. 32 no.8:2405-2408 Ag '62.
(MIRA 15:9)
(Butaneboronic acid) (Heat of formation)

GAL'CHENKO, G.L.; VARUSHCHENKO, R.M.

Heat of combustion of trialkylborons. Part 1: Determination
of the heats of combustion of tripropylboron, triisopropylboron,
and triisoamylboron. Zhur. fiz. khim. 37 no.11.2513-2519 N°63.
(MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ACCESSION NR: AP4041752

S/0076/64/038/006/1474/1480

AUTHOR: Varushchenko, R. M.; Gal'chenko, G. L.

TITLE: Heats of combustion of trialkylborons. II. Derivation of equation for calculation of the heats of combustion of trialkylborons

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 6, 1964, 1474-1480

TOPIC TAGS: trialkylboron, heat of combustion, heat of hydroboration, thermodynamics, calorimetry

ABSTRACT: In recent years the heats of formation of a large number of trialkylborons have been experimentally determined. The determinations were conducted by the heat of combustion method and by measuring the heat of the reaction of hydroboration of olefins with formation of the corresponding trialkylborons. The purpose of this work was to verify the agreement of these experimental results and to generalize them for calculation of the heats of combustion or formation for those trialkylborons which were not investigated experimentally. The authors derive a general form equation for calculation of the heat of combustion of trialkylborons according to the method of V. M. Tatevskiy [Khimicheskoye stroeniye uglevodorodov

Card 1/2

ACCESSION NR: AP4041752

1 zakonomernosti v ikh fiziko-khimicheskikh svoystvakh (Chemical Structure of Hydrocarbons and Their Characteristic Physico-Chemical Properties), Moscow State University Press, 1953. The obtained equation was used for verifying the agreement between the available data on the heats of combustion of trialkylborons. It was found that there exists a systematic discrepancy of several kcal/mole between the data obtained by the heats of combustion method and those calculated from the determination of the heats of hydroboration of olefins. The authors express their gratitude to S. S. Yarov for a number of valuable suggestions in the preparation of this manuscript. Orig. art. has: 5 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 15May63

ENCL: 00

SUB CODE: GC, TD

NO REF SOV: 005

OTHER: 009

Card 2/2

VARUSHCHENKO, R.M.; GALICHENKO, G.I.

Heats of combustion of trialkylborane. Part 2. Zhur. Fiz. Khim.
38 no.6:1474-1480 Je '64. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

BURSHTAR, M.S.; VARUSHCHENKO, S.I.; POLKANOVA, L.P.

Most recent tectonics of the Crimean plain. Sov. geol. 8 no.3:
128-131 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

POLKANOVA, L.P.; VARUSHCHENKO, S.I.

Structural-geomorphological analysis of the relief of the
Tarkhankut-Novoselovka hilly plain of the Crimean steppes.
Geol. nefti i gaza 8 no.4:19-21 Ap '64.

(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut, Moskva.

VARUSHCHENKO, S.I.

Mean velocities of recent movements of the earth's crust in
the Crimean Plain and the northern part of the Black Sea
region. Vest.Monk.un.Ser.5: Geog. 20 no.4:84-85 J1-Ag '65.
(MIRA 18:12)

VARUSHKIN, I. M.

Club work with Pioneers and students on problems of health; manual on methods.
Smolensk, Izd. Moszdravotdela, 1925. 54 p.

Yudin HS3313.B7V

1. Youth-Health and hygiene. 2. Youth - Russia.

VARVAK, A.P. (Kiyev)

Reduction of areas. Prykl.mekh. 6 no.4:455-457 '60. (MIRA 13:11)

1. Kiyevskiy avtomobil'no-dorozhnyy institut.
(Deformations (Mechanics))

ACCESSION NR: AP3006954

S/0021/63/000/008/1021/1025

AUTHOR: Varvak, P. M. and Varvak, A. P.

TITLE: Momentless shallow rectangular shells of equal resistance (in x- and y-directions)

SOURCE: AN UkrSSR. Dopovidi, no. 8, 1963, 1021-1025

TOPIC TAGS: momentless shell, shallow shell, membrane deflection, finite difference method

ABSTRACT: The problem of a momentless shallow rectangular shell-membrane without bending was considered. The shell is described by equation (1)

$$S_x \frac{\partial^2 z}{\partial x^2} + 2T_{xy} \frac{\partial^2 z}{\partial x \partial y} + S_y \frac{\partial^2 z}{\partial y^2} = -q \sqrt{1 + \left(\frac{\partial z}{\partial x}\right)^2 + \left(\frac{\partial z}{\partial y}\right)^2} \quad (1)$$

where S is a resistance. The shell was assumed to be so shallow that the right-hand side of equation (1) was equal to $-q$. The assumption was made after G. S. Card 1/2

ACCESSION NR: AP3006954

Ramaswamy, Civil Engng. and Public Works Rev., 53, 626, 899 (1958) that $T_{xy} = 0$; $S_x = S_y = S = \text{const}$, so that equation (1) could be approximated by Poisson's equation

$$\frac{\partial^2 z}{\partial x^2} + \frac{\partial^2 z}{\partial y^2} = -\frac{q}{S}. \quad (2)$$

The method of finite differences was applied in the solution. Tables for certain loads are given to find the corresponding shell profile and to calculate the reactions. Orig. art. has 5 numbered equations, 4 tables and 5 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 27Sep63

ENCL: 00

SUB CODE: AP, PH

NO REF SOV: 002

OTHER: 001

Card 2/2

VARVAK, P.M.; VARVAK, A.P. [Varvak, O.P.]

Zero-moment shallow shells of equal resistance with an oblique-angled plane. Dop. AN URSR no.1:47-49 '64. (MIRA 17:4)

1. Kiivs'kiy avtomobil'no-dorozhnyi institut i UkrshlyakhtransNADI. Predstavleno akademikom AN UkrSSR F.P.Belyankinym [Bieliankin, F.P.]

VARVAK, P.M.; VARVAK, A.P. [Varvak, O.P.]

Zero-moment shallow shells of equal resistance with a curvilinear surface. Dop. AN URSR no.5:586-588 '64. (MIRA 17:6)

1. Kiyevskiy avtodorozhnyy institut i UkrshlyakhtransNADI. Predstavleno akademikom AN UkrSSR F.P.Belyankinym [Bieliankin, F.P.].

ACCESSION NR: AP4037440

S/0021/64/000/005/0586/0588

AUTHOR: Varvak, P. M.; Varvak, O. P.

TITLE: Membrane (zero-moment) shallow shells of equal resistance with curvilinear shapes

SOURCE: AN UkrRSR. Dopovidi, no. 5, 1964, 586-588

TOPIC TAGS: shallow shell, zero-moment shallow shell, circular membrane, stress distribution

ABSTRACT: This is an extension of two earlier papers by the authors [DAN UkrRSR, 1025 (1964); DAN UkrRSR, 47 (1964)] which is applicable to the problem of a curvilinear-shaped shell without bending and of equal resistance. The treatment is according to the method of finite differences in polar coordinates. Stress distributions are given in tabular form for circular, semi-circular, and quarter circular (wedge-shaped) shapes. Orig. art. has 7 numbered equations, 3 tables and 5 illustrations.

ASSOCIATION: Ky*ivs'ky* abtodorozhnyi insty*tut, Ukpshlyakhtrans NADI (Kiev)

Card 1/2

ACCESSION NR: APL037440

Highway Institute, Ukrainian Road Transport NADI)

SUBMITTED: 25Feb63

DATE ACQ: 03Jun64

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 000

Card 2/2

(N) L 13370-66 EWP(w) EM
ACC NR: AP6002345

SOURCE CODE: UR/0198/65/001/012/0127/0131

AUTHOR: Varvak, A. P. (Kiev)

ORG: UkrdorttransNII

TITLE: Calculation for rectangular slabs under the action of edge moments

SOURCE: Prikladnaya mekhanika, v. 1, no. 12, 1965, 127-131

TOPIC TAGS: elastic plate, bending stress, boundary condition

ABSTRACT: It is shown that the engineering analysis of deflection of rectangular plates under edge moments can be carried out by the aid of tables listing plate-bending magnitudes and force factors $a_{km} = 1$ under uniform or concentrated loads. The method can be applied in a straightforward way to supported slabs, for example, by substituting the edge moments with a pair of forces with a moment equal to the given moment M_x . This is shown schematically on Figures 1 and 2. The analysis for

16
B

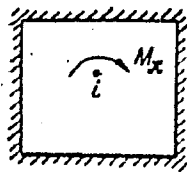


Fig. 1

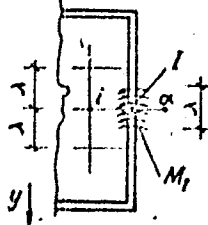


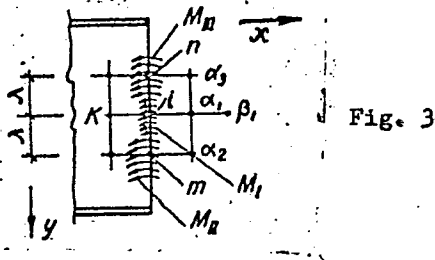
Fig. 2

Card 1/3

L 13370-66

ACC NR: AP6002345

free-boundary slabs is somewhat more complicated. Using Fig. 3 expressions can be



derived for the slab bending

$$w_{\alpha_1} = \dots + \frac{M_I \lambda^3}{D}$$

$$w_{\alpha_2} = \dots + \frac{M_{II} \lambda^3}{D}; \quad w_{\alpha_3} = \dots + \frac{M_{III} \lambda^3}{D}$$

and

$$w_{\beta_1} = \dots + 2(3 - \mu) \frac{M_I \lambda^3}{D} + (2 - \mu)(M_{II} + M_{III}) \frac{\lambda^3}{D}$$

whose values can be calculated from tables published by P. M. Varvak, I. O. Guberman,

Card 2/3

L 13370-66

ACC NR: AP6002345

N. D. Predtechenskiy, and M. M. Miroshnichenko (Izd-vo AN UkrSSR, K., 1959). Two numerical examples are given to illustrate the point. Orig. art. has: 14 equations and 5 figures.

SUB CODE: 13, 20/

SUBM DATE: 13Apr65/

ORIG REF: 003

Card 3/3 *pc*

VARVAKI, L.P. (Riyov)

Existence of a nucleus on a product of graphs. Ukr. mat. zhur. 17
no.3:112-114 '65. (MIRA 18:6)

VARVAK, P.M.

Verbatim: Varvak, P.M. - "On certain iterative procedures in solving plane equations."
Doklady Akad. nauk Ukr. SSR, No. 5, 1948, p. 12-16, (In Ukrainian, resume in Russian)

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

VARVAK, P. M.

Lattice Theory

Some formulas for a spatial lattice, Zbir. prats' Inst. fiz. mekh., No. 8, 1948

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

VARVAK, P. M.

Varvak, P. m. "(Biharmonic problem for squares," Sbornik trudov (Kiyevsk. inzh.-stroit. in-t), Issue 8, 1948, p. 136-59

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

VARVAK, P. M.

Varvak, P. M. "On the resistance to buckling of a high beam," Stornik trudov (Kiyevsk. inzh.-stroit. in-t), Issue 8, 1948, p. 160-79

SO: U-3750, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

VARVAK, P. I.

Varvak, P. I. "Interior problem by Dirikhl for a rectan l in a number of instances, "
Sbornik trudov (Kiyevsk. inzh.-stroit. in-t), issue 8, 1943, p. 115-25

SO: 8-3450, 16 June 53, (Letopis 'Zhurnal 'Inzh. Statey, No. 5, 1943).

VARVAK, P. M.

Varvak, P. M. - "Gratings with regular and nonregular structure, and their application", Sbornik trudov In-ta stroit. mekhaniki (Akad. Nauk Ukr. SSR), Vol. X, 1948, (In index: 1949), p. 68-80.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

VARVAK, P. M.

Varvak, P. M. "Formilae and tables for calculating certain flat parts", Inform. materialy (Akad. nauk Ukr. SSR, In-t stroit. mekhaniki), No. 3, 1949, p. 3-10.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949)/

VARVAK, P.M.

Resistance of plates to the action of concentrated forces. Dop.
AN URSR no.6:443-446 '50. (MLRA 9:8)

1. Institut budivel'noi mekhaniki Akademii nauk Ukrain's'koi RSR.
Predstaviv diysniy chlen Akademii nauk Ukrain's'koi RSR F.P.
Belyankin.

(Elastic plates and shells)

VARVAK, P.M.

Bending of square steel plates. Sbor. trud. Inst. stroi. mekh. AN
URSR no.15:29-39 '51. (MIRA 11:4)

(Plates, Iron and steel)

VARVAK, P. M.

GRISHKOVA, N.P., professor; VARVAK, P.M., doktor tekhnicheskikh nauk,
retsensent; KROLEVETS, M.B., kandidat tekhnicheskikh nauk, redaktor.

[Optical method of determining stresses in machine parts] Opticheski
metod opredeleniia napriazhenii v detaliakh mashin. Kiev, Gos. nauch-
no-tekhn. izd-vo mashinostroit.lit-ry. [Ukr. etd-nie] 1953. 50 p.
(Machinery--Testing) (Strains and stresses) (MLRA 7:7)

by the use of the finite element method. The finite element method is a numerical technique for solving partial differential equations. It involves discretizing the domain into small elements and approximating the solution by a piecewise linear function. The method is particularly useful for problems with complex geometries and boundary conditions. In this context, the finite element method is used to solve the stress function problem. The stress function is a scalar function whose Laplacian is equal to the negative of the body force. The boundary conditions are prescribed on the boundary of the domain. The finite element method is applied to the stress function problem by discretizing the domain into a mesh of elements. The stress function is approximated by a piecewise linear function on the mesh. The resulting system of equations is solved numerically to obtain the stress function. The stress function is then used to calculate the stress components. The finite element method is a powerful tool for solving stress problems in engineering and physics.

[Handwritten signature]

V. N. S. 14, P. M.

KABAL'SKIY, Mikhail Mikhaylovich; KRIVOSHNY, Veniamin Davidovich; SAVITSKIY, Nikolay Ioilevich; CHAYKOVSKIY, Gleb Nikolayevich; VARVAKA, P.M., professor, doktor tekhnicheskikh nauk, redaktor; KASPERSKAYA, Ye., redaktor; BONDARENKO, O., redaktor; VUYEK, M., tekhnicheskiy redaktor

[Typical problems in theoretical mechanics and methods of solving them] Tipovye zadachi po teoreticheskoi mekhanike i metody ikh resheniia. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1956. 511 p. (Mechanics--Problems, exercises, etc.) (MLRA 9:3)

VARVAK, P.M.

One special case of plate bending. *Prykl. mekh.* 2 no.1:
105-106 '56.

(MLRA 10:2)

1. Institut budivel'noi mekhaniki Akademii nauk URSR.
(Elastic plates and shells)

VARVAK, P.M., ucheniy sekretar seminaru.

Activities of the seminar on Mechanics in the Section of
Technical Sciences of the Academy of Sciences of the
Ukrainian SSR. Prykl. mekh. 2 no.1:111-113 '56.

(MLRA 10:2)

(Mechanics)

VARVAK, P.M.

Lectures at the mechanics seminar in the Technical Sciences Section
of the Academy of Sciences of the Ukrainian SSR. Prykl.mekh. 2 no.3:
349-350 '56. (Strength of materials) (MIRA 9:10)