

B. Geometry

of lowering the bowstring arches by means of wedges, screws and hydraulic jacks, etc., could not be applied due to low capacity and horizontal stability. A new method of lowering the arches, which closely follows their horizontal and vertical displacements and at the same time eliminates the horizontal stresses in the scaffolding, had to be introduced. For this purpose the temporary three-hinged reinforced concrete arches were raised off the scaffolding instead of lowering the latter. The most economical method of lifting the arches from the standpoint of force, time and equipment can be attained by drawing up the cables at midspan. To carry out the above mentioned operation only one-fifteenth to one-twentieth part of the horizontal tensile force caused by the permanent load was necessary. The stressing of the cable was effected with 10-15 ton differential tackles applied between the centre hinge and cable. After the arch had been lifted the scaffolding was removed and the arches lowered into final position by the tackles. Subsequently, the arch and the deck of the bridge can be stressed by tensioning the cables in the same way.

R/R

gfb
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GOSCHY, B.

New regulations concerning highways bridges and the coefficient of safety; also, remarks by R. Hidveghi. p. 273.

(MELEPITESTUDOMANYI SZEMLE. Vol. 5, no. 6, June 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

GOSCHY, B.; KOVACSHAZY, F.; ROSSMANN, F.

Designing the underground passage of Beke Road. p. 1.
(Melyepitestudományi Szemle, Vol. 7, no. 1/3, Jan./Mar. 1957. Budapest,
Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sept. 1957. Uncl.

GOSCHY, B. ; SCHEURING, G.

Designing and constructing prefabricated-concrete bridges for the inspection of electric railway cars. p. 282.

MELYEPITESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest, Hungary, Vol. 9, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

BALAZS, Gy.; GOSCHY, B.; KILIAN, J.; NEMETH, F.

Frame bridge of varying rigidity on elastic foundation. Acta techn
Hung 28 no.1/2:209-239 '60. (EEAI 9:7)

1. Lehrstuhl II für Brückenbau der Technischen Universität für
Bau- und Verkehrswissenschaften, Budapest.
(Elasticity) (Foundations)

GOSCHY, B.

Free frequency of bridges suspended on scow cables. Acta techn Hung
32 no.1/2:119-139 '61. (EEAI 10:5)

1. Tiefbauplanungs-Unternehmen, Budapest.
(Bridges)

GOSCHY, B., Dr. techn., Kandidat der technischen Wissenschaften; BALAZS, B.

Critical condition of reinforced concrete sections under combined bending and shear. Acta techn Hung 34 no.1/2:55-69 '61.

1. Ungarisches Forschungsinstitut für Hoch- und Tiefbau.(for Goschy)
2. Budapester Technische Universität, Lehrstuhl für Brückenbau II.
(for Balazs)

GOSCHY, Bela, dr.; ORI, Sandor

Examination of the prefabricated reinforced concrete hall frames during the various periods of construction. Magy ep ipar 11 no.10:480-482 '62.

GOSCHY, Bela, dr.

Eigenvibration of harp-bridges. Melyepitestud szemle 12 no.1:33-41
Ja '62.

GOSCHY, Bela, dr., okleveles mernok, a muszaki tudomanyok kandidatusa

Critical state of I-section beams in case of simultaneous bending and shearing. Melyepitestud szemle 13 no.10:470-473 0 '63.

1. Fovarosi Melyepitesi Tervezo Ballalat osztalyvezetoje.

GOSCHY, Bela, dr., okleveles mernok, a muszaki tudomanyok kandidatusa

Partially stressed reinforced concrete. Melyepitestud
szemle 14 no. 2: 81-83 F '64.

1. Epitoipari Minosegvizsgalo Intezet tudomanyos osztalyveze-
toje.

GOSCHY, Béla, dr., okleveles mernok, a muszaki tudományok kandidátusa;
BALAZS, György, okleveles mernok, muszaki egyetemi adjunktus

Effect of the adhesion between concrete constructions and
steel reinforcements on the moment of rupture of poststressed
concrete supports. Melyepitestud szemle 14 no. 3:103-107
Mr '64.

1. Chair of Building Materials, Technical University of
Building and Transportation, Budapest.

GOSCHY, B., Kandidat der techn. Wissenschaften; BALASZ, G., Kandidat
der techn. Wissenschaften

Data on the effect of bond on the tensile strength of prestressed
concrete beams. Acta techn Hung 49 no.3/4:453-462 '64.

GOSCICKA, Danuta

Cephalic vein valves in the monkey *Macaca mulatta*. Rocz. pom.
akad. med. Swierczewski 11:179-196 '65.

1. Z Zakladu Anatomii Prawidlowej Pomorskiej Akademii Medycznej
(Kierownik: prof. dr. med. Adam Krechowicki).

GOSCICKA, Halina; WEJROCH-KOWALSKA, Maria

Accessory secreting salivary glands of the lower lip. Pediat.
Pol. 39 no.4:407-415 Ap '64.

1. Z Kliniki Chirurgii Dzieciecej Instytutu Matki i Dziecka w
Warszawie (Kierownik: prof. dr. med. W. Poradowska).

GOSCICKA, Teresa

Immunological non-reactivity to streptococcal antigens in rabbits.
Postępy hig. med. dosw. 16 no.6:945-999 '62.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
Kierownik: prof. dr B. Zablocki.
(STREPTOCOCCUS) (ANTIGENS)

POLAND

GOSGICKA, T.; Department of Microbiology (Katedra Mikro-
biologii), Lodz University (Uniwersytet Lodzki).

"Immunological Unresponsiveness to Streptococcal Antigens
in Rabbits."

Warsaw, Bulletin de l'Academie Polonaise des Sciences:
Serie des Sciences Biologiques, Vol 11, No 1,
1963, pp 27-28.

Abstract: /English article/ Report on experiments attempt-
ing to provoke a state of immunological unresponsiveness to
group A streptococcal antigens in rabbits and to analyse
it from the point of view of the antigen structure of these
micro-organisms. The author also tried to ascertain whether
the eventually established state of immunological unrespon-
siveness was not the result of defective gamma globulin
synthesis by the animals under study. 2 tables; 4 diagrams;
10 references, mostly Western.

1/1

GOSCICKA, T.

Immunological unresponsiveness to streptococcal antigens
in rabbits. Bul Ac Pol biol 11 no.1:23-28 '63.

1. Department of Microbiology, University, Lodz. Presented by
E. Mikulaszek.

ZABŁOCCY, Bernard; GOJCICKA, Teresa; RUTOWICZ, Mirosław; SZAPŁAKA-ŻYDOWICZ,
Krysztyna

Frequency of appearance of staphylococcal alpha-antitoxin in human serum.
Nauki matematyczne przyrodnicze Łódź no.16:3-9 '64.

1. Department of Microbiology, University, Łódź.

P/521/62/000/009/001/005
E202/E592

AUTHORS: Gościcki, Bogdan and Synak, Romuald (Gdańsk)
TITLE: Multiplying system based on the Hall effect
SOURCE: Polska Akademia Nauk, Instytut Maszyn Przeplywowych.
Prace. no.9, 1962, 3-14

TEXT: A detailed description is given of a multiplying analog system based on the Hall effect and utilizing indigeneous materials, viz. germanium and indium antimonide. The difficulties caused by the departure from linearity between magnetic induction and the magnetizing current, and those arising from the asymmetry of the electrodes are stressed. In the case of germanium, the current input and voltage output, in the case of indium antimonide the current input and current output are used. The load of the multiplying member may comprise a valve amplifier or an oscilloscope. In order to increase the induction, the designed halotron carries a permalloy core ($\mu = 10000$) and with the 2 mm gap the maximum induction is 2000 gauss. A preliminary evaluation of the germanium halotron, type CH1, was carried out, measuring the characteristic parameters without and with compensation. It is

Card 1/2

Multiplying system based on the ... P/521/62/000/009/001/005
E202/E592

concluded that for high frequency, ferrite cores should be used in preference to permalloy. Further work on the use of transistorized or magnetic amplifiers matching the multiplying system of the halotron is intended. There are 12 figures.

SUBMITTED: April, 1961

Card 2/2

GOSCICKI, Ignacy, docens

Problems related to the designing medium voltage
distribution networks in Poland. Villamossag 9 no.12:
368-370 D '61.

1. Muszaki Foiskola, Gdansk.

GOSCICKI, J.

SZYDŁOWSKI, S.;GORZNIAK, Z.;GOSCICKI, J.;ROLICKA, M.

Studies on bactericidal properties on newly synthesized compounds
from the group of aromatic chloramines. Med. dosw. mikrob. 5 no.3:
310-311 1953. (GLML 25:5)

1. Lodz.

POLAND/Microbiology - Microorganisms Pathogenic to Humans
and Animals.

F-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43327

Author : Zablocki, B., Kotelko, K., Goscicki, J.

Inst : -

Title : New Chemical Complexes Isolated From Hemolytic Streptococci, Group A, and Their Study. Report 1. Isolation of New Chemical Complexes from Streptococci, Group A.

Orig Pub : Arch. immunol. i terap. diawiadcz., 1955, 3, 567-575.

Abstract : Gentle methods of treatment were used to rupture the streptococcus cell: extraction by distilled water and fractional precipitation by alcohol at 0°. With this treatment new complexes were obtained from hemolytic streptococci, group A, complexes 1, 2, 3, a₁, b, b₁ and b₂, the physical properties of which were ascertained. The complexes isolated differ from previously known cellular and soluble antigens of group A streptococci.

Card 1/1

ZABLOCKI, Bernard; KOTELKO, Krystyna; GOSCICKI, Janusz

Studies on new chemical simplexes in Streptococcus A. II.
Antigenic properties of simplexes isolated from Streptococcus
A. Arch. immun. ter. dow. 3:577-583 1955.

1. Zakład Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
(Kierownik: prof. dr. B. Zablocki).
(STREPTOCOCCUS, immunology,
antigenic simplexes in hemolytic strains A, properties
(Pol))

SCSICKI, J., Zablocki, H., Korelko, K.

Antigenic fractions isolated from streptococci of group A and their serologic properties. n. 163.

(BULLETIN. Vol. h, no. 5, 1956. Warsaw, Poland)

SO: Monthly List of East European Accessions (MEAL) LC. Vol. o, no. 12, Dec. 1957.
Uncl.

GOSCIEK, J.

GOSCICKI, Janusz; KUKULSKA, Teresa; STEMPIEN, Ryszard

Behavior of anti-Vi antibodies during typhoid fever. Przegł.
epidem., Warsz. 10 no.4:325-332 1956.

1. Z Zakładu Mikrobiologii Szczegolowej U. L. Kierownik:
prof. dr. B. Zablocki i z Kliniki Chorob Zakaźnych A.M. w
Lodzi Kierownik: prof. dr. A. Goldschmied.

(TYPHOID FEVER, immunol.

behavior of anti-Vi antibodies (Pol))

STEMPIEN, Ryszard; NOWAK, Stefan; GOSCICKI, Janusz

Evaluation of precipitation reaction with antigen O in serodiagnosis of typhoid fever. Przegl. epidem., Warsz. 10 no.4:333-340 1956.

1. Z Kliniki Chorob Zakaźnych A.M. w Łodzi Kierownik: prof. dr. med. A. Goldschmied.

(TYPHOID FEVER, diag.

serodiag., ring precipitation reaction with antigen O (Pol))

ZABLOCKI, Bernard; KOTELKO, Krystyna; GOSCICKI, Janusz. (czesc immunologiczna)
oraz Leon Szykier (czesc kliniczna) Lodz, Al. Kosciuszki 52 m. 8.

Immunological studies in rheumatism with application of six new
antigenic simplexes isolated from streptococci. Polskie arch.
med. wewn. 26 no.5:759-769 1956.

1. Z Zakladu Mikrobiol. Szese'lowej U.L. w Lodzi.

Kier.: prof. dr. med. B. Zablocki i Wojewodskiej Poradni

Przeciwrumat. w Lodzi. Kier.: dr. med. L. Szykier.

(ARTHRITIS, RHEUMATOID, immunology,

hemagglut. by streptoc. antigens (Pol))

(ANTIGENS,

streptoc., hemagglut. in rheum. arthritis (Pol))

(STREPTOCOCCUS, immunology,

antigens, hemagglut. in rheum. arthritis (Pol))

ZABLOCKI, Bernard; KOPELKO, Krystyna, GOSCICKI, Janusz, CZABAN, Wanda

Passive hemagglutination reactions with sera from convalescent children after rheumatic fever by using 6 new antigenic fractions isolated from streptococcus group A. *Pediat. polska* 33 no.2:165-170 Feb 58.

1. Z Zakladu Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego
Kierownik: prof. dr B. Zablocki. Adres: Lodz, Al. Kosciuszko 52 m.8).

(RHEUMATIC FEVER, Immunol

passive hemagglutination reaction with convalescent serum using antigenic fractions from streptoc. A (Pol))

(HEMAGGLUTINATION,

passive hemagglutination with convalescent serum from rheum. fever using antigenic fractions from streptoc. A. (Pol))

ZABLOCKI, Bernard; LAZNIEWSKI, Mikolaj; JAKUSZEWSKI, Bogdan;
GOSCICKI, Jamsz; CZERNIAWSKI, Eugeniusz

Measurements of the caloric effects in bacteria cultures;
theoretical fundamentals, apparatus, and methods. Nauki
matem przyrod Lodz no.12:3-7 '62.

1. Katedra Mikrobiologii Szczegolowej i Katedra Chemii
Fizycznej, Uniwersytet, Lodz.

*

ZABLOCKI, Bernard; CZERNIAWSKI, Eugeniusz; GOSCICKI, Janusz

Comparative studies on the level of natural antibodies
against the bacilli of Enterobacteriaceae. Nauki matem
przyrod Lodz no.7:171-181 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

GOSCICKI, M.

"Porous Concrete Insulation For Filling Wall Cavities And Its Use In Housebuilding" p. 55.
(Przegląd Budowlany, Vol. 25, no 2, Feb. 1953, Warszawa)

East European Vol. 3, No. 2,
SO: Monthly List of ~~RUSSIAN~~ Accessions, /Library of Congress, February, 1954, ~~1953~~, Uncl.

ORZECZOWSKI, K., inż.; GOSCICKI, T., inż.

Sulfur mines and processing plants in Tarnobrzeg. Przegl mech
20 no.19/20:586-589 '61.

1. Kopalnie i Zakłady Przetworcze Siarki, Tarnobrzeg.

GOSCIKI, I.; KRAKOWIAK, S.

Problems concerning the use of electric power in agriculture in the light of discussions of the World Power Conference held in 1957 in Belgrad and in 1958 in Montreal. p. 69.

PRZEGLAD ELEKTROTECHNICZNY. (Stowarzyszenie Elektrykow Polskich) Warszawa, Poland. Vol. 35, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 3, Aug. 1959.

Unc.

GOSIEWSKI, Piotr, mgr; GOSCILOWICZ, Czeslaw, inz.

Activities of the railroads during the winter season 1962/63.
Przełk kolej elektrotech 15 no.5:113-116 M6 '63.

GOSIOWSKI, Piotr; GOSIOWSKI, Zdzisław

The railways during the 1962/63 winter. Przegł kolej mechan
15 no. 5: 121-126 My '63.

1. ~~Department~~ Ekonomiczny, Ministerstwo Komunikacji, Warszawa.

GOSGIMSKI, Jan

Influence of the basic decomposition conditions of magnesium carbonate upon the properties of Mn-Mg ferrites with square hysteresis loop. Przegl elektronik 3 no.9:539-544 S '62.

GOSCINIAK, C.

2

FUNCTIONAL Relation between Propeller, Hull and Engine.

„Wspolpraca układy śruby-kadłub-silnik”. Technika i Gospodarka Morska, No. 3, 1953, pp. 133-137, No. 4, 1953, pp. 160-171, 8 figs.

Fundamentals of designing ship's propellers according to diagrams evolved from systematic tests of propeller series. The author, by analysing the course of typical characteristics obtained from such diagrams, deals with the function relation between propeller and engine under definite working conditions, i.e. at constant engine power, speed and torque (each factor being kept constant separately). He demonstrates, by an example, the reciprocal influence of the engine characteristics and resistance characteristics of the hull on the ultimate speed of the vessel under various loads and conditions prevailing at sea. The author advances definite recommendations, based on the course of characteristics, as to the proper exploitation of the machinery (with a view to reducing to a minimum the per-unit consumption of fuel).

Handwritten signature

GOSCINIAK, DZ.

The problem of increasing the pull of inland tugboats. p.440.
GOSPODARKA WODNA (Naczelna Organizacja Techniczna) Warszawa
Vol. 14, no. 11, Nov. 1954

So. East European Accessions List

Vol. 5, No. 9

September 1956

ARMATA, Jerzy; GOSCINSKA, Zofia

Gargoylism (Hurler's syndrome) in an infant with second generation congenital syphilis. *Pediat.polska* 34 no.12:1547-1553 D '59.

I. Z Kliniki Chorob Dzieci A.M. w Krakowie. Kierownik: prof.dr med. T. Giza.

(LIPOCHONDRODYSTROPHY etiol.)
(SYPHILIS, CONGENITAL compl.)

FEDECZKO, Danuta; GOSGINSKA, Zofia

Diabetic coma in a 3-month-old infant. Pediat. polska no.4:
431-435 Ap '60.

1. Z Kliniki Choro**z** Dzieci A.M. w Krakowie, Kierownik: prof.
dr med. T. Giza.

(DIABETIC COMA in inf. & child)
(INFANT NEWBORN dis.)

HORZELOWA, Jolanta; GOSCINSKA, Zofia

Some considerations on Rendu-Osler disease (hereditary hemorrhagic telangiectasis) *Pediatr* pol 36 no.2:181-184 F '61.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof. dr med. T. Giza.

(ANGIOMATOSIS in inf & child)

GOSCINSKA, Zofia

Contribution to the problem of craniofacial dysostoses in children.
Pediat. pol. 37 no.8:842-849 Ag '62.

1. Z II Kliniki Chorob Dzieci AM w Krakowie p.o. Kierownik: doc.
dr med. A. Gebala.

(CRANIOFACIAL DYSOSTOSIS)

HALIKOWSKI, Boguslaw; GOSCINSKA, Zofia; GUMINSKA, Maria

Effect of leucine on glycemia in diabetes in children. *Pediat.*
Pol. 39 no.6:639-650 Je '64.

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie
(Kierownik: prof. dr med. B. Halikowski) i z Zakladu Chemii
Fizjologicznej Akademii Medycznej w Krakowie (Kierownik: prof.
dr B. Skarzynski [deceased]).

GOSCINSKA, Zofia; KUSIAK-DADAK, Maria

The ataxia-telangiectasia syndrome. *Pediat. Pol.* 39 no.8:
955-959 Ag '64

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie
(Kierownik: prof. dr. B. Halikowski).

GRABOWSKI, Jerzy; GOSCINSKI, Igor

Results of electroencephalographic studies in 200 cases of intracranial tumors. Neur. &c. polska 9 no.3:361-374
Ja-Jl '59.

1. Z Kliniki Neurochirurgicznej A.M. w Krakowie Kierownik:
prof. dr A. Kunicki.

(ELECTROENCEPHALOGRAPHY)

(BRAIN neopl)

GOSCINSKI, Igor

2 cases of epidural cysts in the spinal canal. Neurol. etc., polska
11 no.4:457-464 '61.

1. Z Kliniki neurochirurgicznej AM w Krakowie Kierownik: prof. dr
A Kunicki.

(CYSTS case reports)

(SPINAL CORD dis)

GOSCINSKI, Igor

Relation of electroencephalographic changes to the rate of development of pathologic processes in cases of cerebral tumors and abscesses. Folia med. Cracov. 6 no.1:31-55 '64

GOSCINSKI, Janusz, mgr

Some remarks on the problem of investment cycles and production cycles.
Przeł budowl i bud mieszk 34 no.11:685-687 N '62.

WOSCZ, Tadeusz
WOSCZ, Tadeusz., Falata 2 m. 18.

Role of iodine in physiology and pathology of the thyroid;
iodine in Basedow's disease. Wiadomosci lek. 8 no.7:296-303
July '55.

(HYPERTHYROIDISM, therapy,
iodine)

(IODINE, therapeutic use,
hyperthyroidism.)

BRUDA, P., conf.; BERARIU, T., dr.; GRUN, I., dr.; GOSEA, C., dr.; Chimisti:
HOINARESCU, E.; CHIOREAN, V.; GAVRUS, A.

Contribution to the study of disorders of metabolism in urinary
lithiasis. II. Med. intern., Bucur 13 no.1:71-85 Ja '61.

1. Lucrare efectuata in Clinica de urologie din Cluj in colaborare
cu Catedrele de biochimie, anatomie patologica, Bacteriologie si
fizica medicala.

(URINARY CALCULI metabolism) (CALCIUM metabolism)
PHOSPHORUS metabolism) (MAGNESIUM metabolism)
(PROTEINS metabolism)

BRUDA, P., prof.; BERARIU, T., dr.; GOSEA, C., dr.; CIURDARIU, P., dr.

Contribution to the clinical and functional study of interstitial nephritis. Med. intern. 15 no.11:1287-1293 N '63.

1. Lucrare efectuata in Clinica de urologie, Cluj (director: prof. P. Bruda), si Clinica a II-a medicala (director: prof. I. Goia), I.M.F., Cluj.

(NEPHRITIS, INTERSTITIAL) (DIAGNOSIS)

GUSEK, Zdzislaw

The Polish machine industry at the Poznan International Fair.
Przepl techn 85 no.23:4 7 Je '64

1. Executive, "Metalexport", Warsaw.

USSR / Cultivated Plants. Potatoes, Vegetables, Melons. M-2

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6279

Author : ~~Gosev, P. P.~~
Inst : Not given
Title : Chinese Cabbage Culture

Orig Pub : Sad i ogorod. 1958, No 7, 19-21

Abstract : The practice of growing Chinese cabbage as a filler for tomatoes and cucumbers in hothouses was developed in Khibiny. The first crop of cabbage is carried out 22 - 25 days after sowing. The yield in a hothouse, when cabbage is grown as an independent crop, reached 4 - 6 kg/m²; in open ground the yield is 300 - 350 cwt/ha. In order to insure that seeds ripen uniformly, it is necessary to vernalize the seeds for 24 - 36 hours in a warm place and

Card 1/2

USSR / Cultivated Plants. Potatoes, Vegetables, Melons. M-2

APPROVED FOR RELEASE: 03/13/2001, CIA-RDP86-00513R000516410019-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6279

then to continue the process during 20 - 25 days at 0.5 - 1°. The yield of seeds reaches 10 cwt/ha.

Card 2/2

ALLAKHVERDIYEVA, V.A., inzhener; BABALYAN, N.A., inzhener; GUSEYNOV, M.A.,
inzhener; GUSEYNOV, S.B., inzhener; DADSHEV, B.B., kand.tekhn.nauk;
KORNEV, T.N., kand.tekhn.nauk; LUKOD'YANOV, I.B., inzhener;
MAMED'YAROVA, Z.D., inzhener; PIVOVAROV, I.F., inzhener; SAROYAN, A.Ye.,
inzhener; SHNYYDEROV, M.R., kand.tekhn.nauk; SHVARTSMAN, L.A., kand.
tekhn.nauk; ERLIKH, G.M., inzhener; AL'TMAN, T.B., red.izdatel'stva.

[Reference manual on pipes used in petroleum engineering] Spravochnik
po neftepromyslovym trubam. Baku, Azerbaidzhanskoe gos.izd-vo nef't.
i nauchno-tekhn.lit-ry, 1957. 446 p. (MIRA 10:12)
(Pipe)

GOSFAY, S.

A budapesti, szofiai, zagrabi es varsoi Park-Williams 8 difteria torzsek osszehasonlito vizsgalata A comparative study on the diphtheria P.W. 8 strain of Budapest, Sofia, Zagreb and Warsaw Orvosok Lapja 1946, 2/22 (1409-1411) Graphs 1 Illus. 8

In the course of morphological study it was demonstrated that the Budapest strain declined to R modification and its colonial feature changed. This strain was kept in very poor condition for about six months during the siege. Among the other three strains no variation was seen in two, but one had dissociated to a certain extent. The microscopic appearance of the Budapest strain changed to a great extent, its polymorphism decreased and its granulation increased. Among biological properties, the sugar fermentation was about the same in all strains with the exception of the Budapest one. The fermentation of the variated strain became very similar to the gravis type. The toxin production of this strain was lost. Among the other types, the Sofia strain proved to be the most toxin but on account of the shortage of animals no such experiments could be carried out. The morphological changes are illustrated by photographs.

Melly-Budapest

So: Medical Microbiology and Hygiene, Section IV, Vol. 1, #1-6

GOSFAY, S.

Xanthomatous degenerated neurofibroma of the renal hilum.
Acta chir. acad. sci. Hung. 5 no.2:83-86 '64.

1. Urologische Klinik (Direktor: Prof. Dr. F. Balogh) der
Medizinischen Universität, Pecs.

BALOGH, F.; GOSFAY, S.; MIHALECZ, K.

On the significance of lymphography in the diagnosis of lymph node metastases from urogenital tumors. Parts 1-2. Acta chir. acad. sci. Hung. 6 no.3:305-323 '65.

1. Urologische Klinik (Direktor: Prof. Dr. F. Balogh) der Medizinischen Universität, Pecs. Submitted November 17, 1964.

GOSFAY, Sandor, dr.

Clinical picture of primary thrombosis of the renal vein.
Orv. hetil. 106 no.42:1978-1982 17 0 '65.

1. Pecsí Orvostudományi Egyetem, Urológiai Klinika (igazgató:
Balogh, Ferenc, dr.).

HUNGARY

BURGER, Tibor, Dr, GOSFAY, Sandor, Dr, BALOGH, Ferenc, Dr, KELEMEN, Zsolt, Dr; Medical University of Pecs, I. Medical Clinic (director: BARTA, Imre, Dr), Urological Clinic (director: BALOGH, Ferenc, Dr) and Radiological Clinic (director: BENKO, Gyorgy, Dr) (Pecsi Orvostudományi Egyetem, I. Belklinika, Urológiai Klinika és Röntgenklinika).

"The Importance of Isotope-Renographic Examinations in the Diagnosis of Urological Diseases of the Kidney."

Budapest, Orvosi Hetilap, Vol 107, No 34, 21 Aug 66, pages 1604-1608.

Abstract: [Authors' Hungarian summary] Isotope nephrographic examinations were carried out in cases of urological kidney disease. (nephrolithiasis 12, developmental anomalies 9, inflammation 16, tumor 15, other 6). In the course of evaluation of the parameters of the renogram, literature data are confirmed according to which the T_{max} and the per cent renal excretion, expressed in minutes, provides important data for the evaluation of renal function. On the basis of the studies it appears to be confirmed that isotope renography is a very important diagnostic procedure for the discovery of complications and for the establishment of surgical indications. 3 Hungarian, 14 Western references.

1/1

GOSH, D.S., doktor.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000516410019

India's fuel outlook. Mir nauki no.1:23-27 '57. (MLRA 10:7)

(India--Fuel)

GOSH, T. Ye, Cand Med Sci -- (diss) "Morphological criteria for the degree of malignancy of stomach cancer and their prognostic value," Moscow, 1960, 18 pp (Academy of Medical Sciences USSR) (KL, 34-60, 124)

GOSH, T.Ye.

Cancer-cell secretory function of the stomach as a sign of the
degree of their differentiation. Vop.onk. 6 no.2:23-29 F '60.
(MIRA 14:2)

(STOMACH—CANCER)

PAELIYAN, N.P., GOSH, T.Ye.

Morphological changes in cancer of the vulva depending on the
method of preoperative radiotherapy. Med.rad. 7 no.7:17-25
Jl '62. (MIRA 15:11)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.
Gertsena.

(VULVA--CANCER) (RADIOTHERAPY)

PANIKAROVSKIY, V.V.; GOL'BERT, Z.V.; GOSH, T.Ye.

Cylindromas of the salivary glands. Stomatologiya 41 no.5:
47-50 S-0 '62. (MIRA 16:4)

1. Iz kafedry propedvtiki khirurgicheskoy stomatologii (zav. -
prof. G.A.Vasil'yev) Moskovskogo meditsinskogo stomatologicheskogo
instituta (rektor - dotsent G.N.Beletskiy) i patologoanatomii-
cheskogo otdeleniya (zav. - starshiy nauchnyy sotrudnik Z.V.
Gol'bert) Gosudarstvennogo onkologicheskogo instituta imeni
P.A.Gertsava (dir. - prof. A.N.Novikov)
(SALIVARY GLANDS—TUMORS)

VINOKUR, M.L.; SAVINOVA, V.F.; GOSH, T.Ye.

Clinical aspects and diagnosis of intraepithelial and initial infiltrating cancer of the cervix uteri. Akush. i gin. 40 no.4:33-38 J1-Ag '64.

(MIRA 18:4)

1. Ginekologicheskoye (zav. - doktor med. nauk I.S.Krayevskaya) i patologoanatomicheskoye otdeleniye (zav. - kand. med. nauk Z.V. Gol'bert) Onkologicheskogo instituta imeni Gertsena (dir. - prof. A.N. Novikov), Moskva.

BRUDA, P.; BERARIU, T.; GOSHA, K.; GRIUN, I.

On the problem of the biochemical etiopathogenesis of calculi of the
urinary bladder. Rev. sci. med. 7 no.1/2:23-27 '62.
(URINARY CALCULI)

GOSHCHITSKIY, B.N.; IZRAILEVICH, I.S.; NOVIKOV, S.N.

Effect of the structure of porous bodies on the specific
surface value determined by the gas permeability method. Dokl.
AN SSSR 155 no. 3:640-643 Mr '64. (MIRA 17:5)

1. Predstavleno akademikom I.K.Kikoinym.

Goshchitskaya, Ye. N.

112-2-4511

TRANSLATION FROM: Referativnyy zhurnal, Elektrotehnika, 1957,
Nr 2, p. 292 (USSR)

AUTHORS: Goshchitskaya, Ye. N., Meyzerov, I. V.

TITLE: The ЭMY-2 and the ЭMY-2II Type Electrometric Amplifiers
(Elektrometricheskiy usilitel' tipa EMU-2 and EMU-2P)

PERIODICAL: Tr. Vses. n.-i. in-ta radioveshchat. priyema i akust.,
1955, Nr 5, pp. 62-78.

ABSTRACT: The schematic diagram and construction of amplifiers intended for measuring small direct currents, or currents alternating at low frequency in high resistance circuits, or voltages in high and low resistance circuits are described in detail. The measurement ranges are: for current from $2 \cdot 10^{-14}$ to $7 \cdot 10^{-11}$ amp with an input resistance of $6.8 \cdot 10^{-11}$ ohms and from 10^{-11} to $3 \cdot 10^{-8}$ amp with an input resistance of $1.5 \cdot 10^9$ ohms; for voltage the range is 0.01 to 50 v. The error of measurement does not exceed ± 2 per cent. The time constant does not exceed 4 sec. The insulation resistance of the input circuit at room temperature and normal humidity is not less than 10^{14} ohms. The ЭMY-2 amplifier is built, for convenience and stability of operation, as

Card 1/2

112-2-4511

The MY-2 and the MY-2II Type Electrometric Amplifiers (Cont.)

three independent units: an extension-type electrometric cascade with a 232 II tube; a d-c amplifier built around five 12 μ 1J electronic tubes and the power supply unit with electronic voltage stabilization (BC-14) with 5L4C, CI-2C, CI-4C, 6C4C and the 12 μ 1J type tubes. The amplifier along with the electrometric cascade is covered by 100 per cent negative feedback. A multiscale indicating instrument (the M-24 microammeter operating at 200 μ a was used) having the following measurement ranges was connected to the output: 0.03 to 0, 1 to 0, 3 to 1 to 3 to 10 to 30 and 100 v on the whole scale. Up to 45 - 50 v the amplitude characteristic of the 3MY-2 amplifier is linear. The 3MY-2II amplifier is an instrument of the panel type and is designed for industrial or laboratory installations of rack frame, rack bay or the back connected, switchboard type. The instruments are fed from 220 v \pm 10 per cent a-c. Photographs of the exterior of the instruments and specifications are given.

E.P.S.

Card 2/2

GOSCHITSKIY, B. N.; IZRAILEVICH, I. S.

On the existence of a "negative" enrichment effect in the thermal diffusion of gases through porous media. Dokl. AN SSSR 147 no.4:817-818 D '62. (MIRA 16:1)

1. Predstavleno akademikom I. K. Kikoinym.

(Gas flow) (Thermal diffusivity)

ACCESSION I : AP4023077

Z/0064/64/009/002/0125/0128

AUTHOR: Se' lk, F. (Shevchik, F.); Liska, B. (Lishka, B.); Hosek, B. (Goshek, B.)

TITLE: An apparatus for automatic inoculation and automatic recording of growth curves of bacteria

SOURCE: Folia microbiologica, v. 9, no. 2, 1964, 125-128

TOPIC TAGS: automatic bacteria inoculation, automatic bacteria growth recording, Roux flask, chopper-bar recorder, germanium photodiode, inoculation apparatus, automatic turbidity recording

ABSTRACT: The article describes a combined apparatus which makes both inoculation of culture and recording of the growth curves of the culture automatic. Automatic inoculation is done by timed activation of an air pump which creates pressure in the flask containing the inoculum and forces a portion of the inoculum into a Roux flask containing nutrient medium. Automatic recording is done by timer activation of a light beam which passes through the culture. Turbidity is registered by a germanium photodiode and a chopper-bar recorder. The dependence of the germanium photodiode on temperature is eliminated when the apparatus is placed in a thermostat. The authors illustrate the accuracy

Card 1/2

ACCESSION NR: AP4023077

of the device by comparing curves of bacterial growth obtained by it with those obtained on a photocolormeter. The device has been used in ordinary work for over a year in the authors' laboratory. "The authors wish to express their thanks to Mr. J. Híkl of the Msopta National Corporation, Brno, for his advice and willing help in providing the optic parts of the apparatus, to Mr. S. Vojta, the foreman of the glass-blowers in the Institute of Biophysics and to the employees of the workshops for their painstaking and enterprising work on the electromechanical and glass parts of the apparatus." Orig. art. has: 3 figures.

ASSOCIATION: Institute of Biophysics, Czechoslovak Academy of Sciences, Brno

SUBMITTED: 31Oct63

DATE ACQ: 09Apr64

ENCL: 00

SUB CODE: SD

NO REF SOV: 000

OTHER: 006

Card 2/2

GOSHEK, I.

PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 686 - X

BOOK

Call No.: AF639915

Author: GOSHEK, I.

Full Title: HIGH-SPEED AERODYNAMICS. Translated from the Czechoslovakian by Dorodnitsyn, A. A. and Bogoslovskiy, M. M.

Transliterated Title: Aerodinamika bol'shikh skorostey

PUBLISHING DATA

Originating Agency: None

Publishing House: Publishing House of Foreign Literature

Date: Original - 1949

No. pp.: 547

No. of copies: Not given

Translation - 1954

Editorial Staff: None

PURPOSE AND EVALUATION: This book was written for Czechoslovakian aviation specialists to help them solving construction problems of modern aircraft. The author had also in mind the technical flight training of Czechoslovakian pilots on contemporary aircraft. Their knowledge and experience would help to promote further improvements of high-speed aircraft. It may also be useful to industrial workers interested in supersonics. This is a well compiled and extensive study of applied supersonics. It does not contain any new ideas or solutions. To follow the text, the reader must know the fundamentals of subsonic aerodynamics on which supersonics are based.

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Aerodinamika bol'shikh skorostey

AID 685 - X

TEXT DATA

Coverage: The original of this book was published in 1949 and the translation is dated 1952. Problems of high-speed aerodynamics are considered in it from the point of view of the practical engineer and therefore practical conclusions of design and strength calculations are presented. Special attention has been given to experimental research. The book contains a number of design projects and therefore is considered by its translator a very valuable supplement to Russian aerodynamic literature. This study is based on a non-Russian bibliography.

Table of Contents

Pages

Preface to the Russian translation. Preface, Introduction, Accepted Designations

3-14

Ch. I Mechanics of an Expansible Medium

15-62

1. Perfect gases; 2. Equations of state; 3. Adiabatic measurements; 4. Air compressibility; 5. Equation of continuity of discharge; 6. Equation of Bernoulli; 7. Relation between pressure and speed; 8. Speed of sound in motionless medium; 9. Speed of sound in a gas in motion. Critical speed; 10. Heat content of perfect gases; 11. Mach number; 12. Speed pressure; 13. Special features

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Aerodinamika bol'shikh skorostey

AID 686 - X

Pages

of a compressible medium at various speeds; 14. Observations on compressible flow. Flow linearization; 15. Prandtl's law; 16 Standard atmosphere.

Ch. II Subsonic Region

63-164

1. Boundary layer. Friction resistance; 2. Classic profiles; 3. Laminar flow profiles; 4. Boundary layer suction, laminar profiles with suction; 5. Action of air compressibility before the appearance of shock waves.

Ch. III Transonic Region

165-280

1. Shock wave equation; 2. Characteristic Mach numbers; 3. Influence of various parameters of the profile on the characteristic Mach numbers M_{crit} , M_x , M_{y_1} , M_{y_2} , M_{y_3} ; 4. Basic tendencies in designing aircraft for higher subsonic and transonic speeds; 5. Profiles for transonic speeds; 6. Swept back wing; 7. Wings of small elongation; 8. Influence of the finite span of the wing on the lifting force at higher subsonic speeds; 9. Influence of Reynolds' numbers at higher subsonic speeds; 10. Influence of the Mach number on the distribution of the lifting force over the span of the wing; 11. Connection between the Mach number and the Reynolds' number.

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Aerodinamika bol'shikh skorostey

AID 686 - X

Ch. IV Supersonic Region

Pages
281-336

1. Fundamentals; 2. Profile theory; 3. Profile form;
4. Polar diagram; 5. Equivalent elongation; 6. Finite span wing; 7. Wing form; 8. Comparative table for sonic and supersonic speeds; 9. Region of higher supersonic speeds (hypersonic region); 10. Superaerodynamics (mechanics of rarefied gases).

Ch. V Supplement to the Aerodynamics of High Speed Aircraft

337-372

1. Ways of increasing aircraft qualities; 2. Fuselage; 3. Sphere and cylinder resistance; 4. Heating of aircraft surfaces at supersonic speeds; 5. Problems connected with higher speeds of aircraft; 6. Influence of ascending currents on the overload of aircraft at higher speeds; 7. Reducing speed (take off and landing).

Ch. VI Stability and Maneuverability of Aircraft at Higher Speeds. Critical Speeds

373-422

Introduction, accepted notations. 1. More important systems of coordinates in aircraft mechanics; 2. Fundamentals; 3. Definition of the concept of stability; 4. Longitudinal static stability in an incompressible medium; 5. Influence of the

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Aerodinamika bol'shikh skorostey

AID 686 - X

Pages

air compressibility on the longitudinal static stability; 6. Degree of the longitudinal static stability; 7. Maneuverability at higher speeds; 8. Influence of elasticity on the stability of an aircraft; 9. Controls vibration back rims of controls. The point of stream descent; 10. Critical speeds of flight, determined by aerodynamic and elastic properties of the aircraft.

Ch. VII Tailless Aircraft 423-426

Ch. VIII Aerodynamic Measurements on Models 427-458

1. Modelling flight conditions; 2. Aerodynamic tunnels for small air speeds; 3. Aerodynamic tunnels for higher air speeds; 4. Special methods of aerodynamic measurements in the transonic region; 5. Aerodynamic tunnels for supersonic speeds; 6. Optical method method for flow study.

Ch. IX Setting in Motion of High Speed Aircraft 459-505

1. Necessary power for flight in the transonic region; 2. Propellers; 3. Engines.

Ch. X Examples of Aircraft Construction 506-512

Supplement: Some remarks about British profiles. NACA profiles, series 6.

Bibliography 513-529

Index 530-538

No. of References: Total 414, Russian 11 (1908-48), non-Slavic 403 (1936-48)

Facilities: None

GOSHEV, A. I.

"On the Influence of Convulsive States on the Activity of Cholinesterase in Animals and in Epileptic Patients." Min Public Health RSFSR, Leningrad Sanitary-Hygenic Medical Inst, Leningrad, 1955
(Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No. 32 6 Aug 55

GOSHEV, A.I.

Potentiometric method for determining cholinesterase activity. Vop.
med.khim. 4 no.2:149-154 Mr-An '58. (MIRA 11:5)

1. Leningradskiy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva.

(CHOLINESTERASE, determination
in human tissues & blood, potentiometric method (Rus)

GOSHEV, A.I.

Determination of some biochemical indexes in Vilyui encephalomyelitis.
Vop. psikh. i nevr. no.5:38-42 '59. (MIRA 14:5)

1. Biokhimicheskaya laboratoriya (zav. - prof. A.A.Shatalova)
Psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (direktor -
chlen-korrespondent AMN RSFSR prof. V.N.Myasishchev)
(ENCEPHALOMYELITIS)

ABRAMOVICH, G.B.; ADAMOVICH, V.A.; VOROB'YEV, S.P.; GOSHEV, A.I.; DEMIDENKO,
T.D.; ZAYCHIKOVA, N.A. [deceased]; RUBINOVA, R.S.; TERPUGOV, Ye.A.;
SHATALOVA, A.A.; YAKOVLEVA-SHIRMAN, I.V.

Some investigations of the clinical aspects, pathogenesis, and
treatment of epilepsy. Trudy Gos. nauch.-issl. psikhonevr. inst.
no.20:343-354 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad.
(EPILEPSY)

GOSHEV, A.I.; DEMIDENKO, T.D.

Effect of drug mixtures on the activity of pseudo- and true
cholinesterase in the blood of adults and children with epilepsy.
Vop.psikh.i nerv. 8:217-227 '62. (MIRA 17:4)

1. Iz biokhimicheskoy laboratorii (zav. - prof. A.A.Shatalova)
i kliniki nervnykh bolezney (zav. S.P.Vorob'yev) Psikhonevrologicheskogo
instituta imeni V.M.Bekhtareva (dir. - B.A.Lebedev).

MYAGER, V.K.; GOSHEV, A.I.

Correlation of adrenergic and cholinergic substances in some neurotic symptoms. Zhur. nevr. i psikh. vol. 64 no.5:742-745 '64.

(MIRA 17:7)

1. Klinika nevroznoy (zaveduyushchiy - doktor med.nauk Ye.K.Yakovleva) i biokhimicheskaya laboratoriya (zaveduyushchiy - prof.A.A. Shatalova) Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta im. V.M.Bekhtereva (direktor - kand.med.nauk B.A.Lebedev), Leningrad.

L 29859-66 EWT(1)/EWP(m) WW

ACC NR: AP6013200 SOURCE CODE: UR/0421/66/000/002/0073/0077

AUTHOR: Goshev, G. A. (Leningrad)

51
50
B

ORG: none

TITLE: Deformation of the surface of water behind a submerged vane with a finite span

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 2, 1966, 73-77

TOPIC TAGS: surface property, vortex flow, boundary layer theory

ABSTRACT: Based on the results of previously published work, the article investigates the change in the water level behind a horizontal submerged vane and proposes an approximate calculation of the lowering (or raising) of the level of the water at large velocities. In the calculations, the following assumptions are made: the fluid is ideal and infinitely deep; the motion of the vane is uniform; the vane is replaced by a vortical system of the Prandtl type, consisting of a single connected vortex; the boundary conditions on the surface of the water are taken according to the linear wave theory. (See Fig. 1)

Card 1/2

L 29859-66

ACC NR: AP6013200

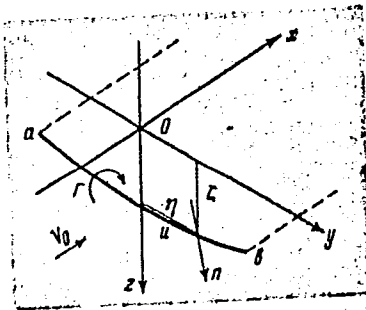


Figure 1

In this figure, Γ is the circulation of the vane; V_0 is the velocity of the motion; x , y , and z are the coordinates of a fixed system; η, ζ are the coordinates of a point on the carrier line, that is, on the connected vortex. Results of the calculations are shown in a series of curves. It was found that the length of the depression behind the vane is directly proportional to the velocity of the motion, and practically does not depend on the submersion of the vane. Orig. art. has: 19 formulas and 4 figures.

Hydrodynamics

SUB CODE: 20/ SUBM DATE: 12Sep64/ ORIG REF: 002.

Card 2/2 W

S/124/62/000/004/014/030
D251/D301

AUTHOR: Goshev, G. A.

TITLE: Transverse stability of vessels on submerged vanes

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1962, 59, abstract 4B372 (Tr. Leningr. in-ta vodn. transp., 1960, no. 1, 48-56)

TEXT: The hydrodynamic stability of vessels fitted with plane submerged vanes is considered, with constant velocity of motion. The lift forces and restoring moment of the plane vane in a listing position is determined, starting from the assumption of the absence of the effect of trailing vortices, i.e. the hypothesis of plane sections is used. In the absence of list the lift force of the vane is determined by the formula

$$Y = C_{y\infty} K \left(\frac{h}{b} \right) \rho \frac{v^2}{2} 2lb \quad (1)$$

Card 1/3

Transverse stability of ...

S/124/62/000/004/014/030
D251/D301

where P is the density of the medium, $C_{y\infty}$ is the coefficient of the lift force for the vane in an infinite liquid, $2l$ is the length of the vane, b is the breadth, V is the velocity, h is the depth of the vane beneath the free surface, and

$$K \frac{h}{b} = 1 - 0.5 e^{-2.5h/b}$$

is an experimental coefficient. The lift force of an element of a vane with list is described, and also its moment with respect to the center of the vane, and hence an integration is carried out over the entire length of the vane (from $-l$ to $+l$). The depth of immersion of a vane with list h' is determined from the equality of the vertical projection of the lift force to the weight of that part of the vessel impinging upon the given vane. The arm of the restoring moment is determined for small angles of list. The concepts are introduced of the transverse metacentric height, the transverse metacentric radius of the vane and the angle of emergence

Card 2/3

Transverse stability of ...

S/124/62/000/004/014/030
D251/D301

of the vane from the water. Stability of the vane is considered for angles of list greater than the angle of emergence. The restoring moment of the vessel is defined as the sum of the restoring moments of the individual vanes and the moment of drift of the vessel. The mutual effect of the vanes is not considered. Graphs are given. The calculation is illustrated by an example. [Abstracter's note: Complete translation.]

Card 3/3

BASIN, A.M., doktor tekhn. nauk, prof.; GOGHEV, G.A., inzh.

Experimental investigation of the characteristics of partially
submerged screw propellers. Trudy LITV no.45:14-26 '63.
(NTRA 17:6)

GOSHEV, G. A. (Leningrad)

Theory of the lifting line of a hydrofoil with arbitrary shape
in shallow water. Izv. AN SSSR. Mekh. i mashinostr. no.3:29-38
My-Je '64. (MIRA 17:7)

GOSHEV, G.A. (Leningrad)

Electrical modeling of plane hydrodynamic flows near the free surface.
Izv. AN SSSR. Energ. i transp. no.5:644-646 S-0 '64.

(MIRA 17:12)

L 05803-67 EWT(d)/EWP(h)/EWP(1)

ACC NR: AR6032252 (N) SOURCE CODE: UR/0398/66/000/006/A017/A017

AUTHOR: Goshev, G. A. 14

9
B

TITLE: A vertical hydrofoil with a minimum induced drag

SOURCE: Ref. zh. Vodnyy transport, Abs. 6A100

REF SOURCE: Tr. Leningr. in-ta vodn. transp. vyp. 81, 1965, 50-53

TOPIC TAGS: hydrofoil, vertical hydrofoil, hydrofoil drag, induced drag

ABSTRACT: A study was made on a particular variation problem concerning the shape of vertical hydrofoil which crosses the free surface and has a minimum induced drag at a Froude number of ∞ . Formulas and integral equations are given. Orig. art. has: 2 figures and 1 reference item. [Translation of abstract]

SUB CODE: 13/

Card 1/1

UDC: 629.124.9

BU/0017/66/000/004/0034/0041

AUTHOR: Paliev, B.--Paliyev, B. (Colonel, Medical corps); Goshev, Khr. (Colonel, Medical corps)

ORG: Department of VPT, VVMI (Katedra po VPT, VVMI)

TITLE: EKG changes occurring under the effects of a superhigh-frequency electromagnetic field

SOURCE: Voенno-meditsinsko delo, no. 4, 1966, 34-41

TOPIC TAGS: microwave, SHF, microwave radiation effect, radiation myocardial effect, electrocardiogram, electromagnetic field

ABSTRACT: An EKG analysis of military personnel working around SHF fields was conducted. Findings were compared with data gathered from personnel not exposed to such

Table 1.

Group	Pulse rate						
	up to 50/m	61-60/m	61-70/m	71-80/m	81-90/m	91-100/m	over 100/m
Exposed to SHF	2.0%	15.9%	36.7%	26.7%	12.7%	3.9%	2.0%
First Control Group	2.0%	18.0%	34.0%	28.0%	15.0%	3.0%	-
Second Control	2.7%	13.6%	35.0%	27.9%	8.1%	2.7%	-

BULGARIA

PALIEV, B., GOSHEV, Khr., Colonels of the Medical Service of the Higher Military Medical Institute (Katedra po VPT, Head Prof. A. Maleev), Higher Military Medical Institute

"Cardiographic Changes Arising as a Result of the Action of Superhigh-Frequency Electromagnetic Fields:

Sofia, Voенno-Meditsinsko Delo, Vol 21, No 4, Aug 66, pp 34-41

Abstract: EKG measurements were carried out on members of the armed forces subjected in the course of their duties to the action of superhigh-frequency (SHF) electromagnetic fields. The results obtained were compared with those for two control groups, one consisting of normal, healthy people and the other of persons with a neurotic syndrome not associated with exposure to SHF fields. It was established that among persons who had been exposed to the action of SHF fields there was an increased incidence of abnormal pulse frequencies ranging from pronounced tachycardia to pronounced bradycardia, supraventricular extrasystoles, disturbances in atrioventricular conductions of the first and second degree, changes in the frequency of ST waves, and presence of T waves of the vagotonic type. In four cases, presence of a Wolf-

1/2

KRUSTANOV, L., GOSHEV, Khr., Colonels of the Medical Service; Higher Military Medical Institute (Chief Prof. N. Kuppenov)

"Formed Element Composition of the Peripheral Blood in Subjects Working Under Conditions of Exposure to a Superhigh-Frequency Electromagnetic Field"

I 44766-66 DD
ACC NR: AP6031193

SOURCE CODE: BU/0017/66/000/004/0034/0041

AUTHOR: Paliev, B.--Paliyev, B. (Colonel, Medical corps); Goshev, Khr. (Colonel, Medical corps) 44
B

ORG: Department of VPT, VVMI (Katedra po VPT, VVMI)

TITLE: EKG changes occurring under the effects of a superhigh-frequency electro-magnetic field

SOURCE: Voenno-meditsinsko delo, no. 4, 1966, 34-41

TOPIC TAGS: microwave, SHF, microwave radiation effect, radiation myocardial effect, electrocardiogram, electromagnetic field

ABSTRACT: An EKG analysis of military personnel working around SHF fields was conducted. Findings were compared with data gathered from personnel not exposed to such

Table i.

Group	Pulse rate:						
	up to 50/m	61-60/m	61-70/m	71-80/m	81-90/m	91-100/m	over 100/m
Exposed to SHF	2.0%	15.9%	36.7%	26.7%	12.7%	3.9%	2.0%
First Control Group	2.0%	18.0%	34.0%	28.0%	15.0%	3.0%	-
Second Control Group	2.7%	13.6%	35.0%	37.9%	8.1%	2.7%	-

Card 1/3

L 44766-66

ACC NR: AP6031193

Table 2.

EKG changes (% of military personnel)	Length of Service					Control Group		
	up to 3 yr	3-5 yr	5-10 yr	over 10 yr	Av.	Av.	I	II
1. Supraventricular extra- systole;	2.3	2.8	1.4	4.1	2.8	0.6	—	1.3
2. Chamber extrasystole;	1.1	—	0.7	2.0	0.6	1.7	2.0	1.3
3. Disruption of atrioventri- cular conduction (I and II stages)	2.3	0.6	2.7	4.1	2.4	0.6	—	1.3
4. Disruption of inter-pre- cardiac conduction;	1.7	1.1	0.7	4.1	1.5	1.1	1.0	1.3
5. Mild disruption of inter- chamber conduction;	—	0.6	1.4	—	0.6	1.1	1.0	1.3
6. Wilson block;	2.3	—	1.4	4.1	1.1	1.1	1.0	1.3
7. Low voltage EKG;	0.6	—	1.4	2.0	0.7	0.6	1.0	—
8. Disruption of chamber polarization;	2.3	2.8	1.4	6.0	2.5	1.7	1.0	2.7
9. Changes in ST Frequency and T spikes of the vago- tonic type	20.3	14.0	19.0	24.5	20.3	14.4	15.0	13.6

Card 2/3

L 44756-66

• ACC NR: AP6031193

fields. Some results of the investigation are shown in Tables 1 and 2. The cardiac characteristics of personnel exposed to SHF fields are summarized. A wide range of pulse rates wherein both substantial bradycardia and tachycardia were characteristic was noted. Orig. art. has: 4 figures and 2 tables. [CD]

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Card 3/3 *ULR*

L 44767-66 DD

ACC NR: AF6031194

SOURCE CODE: BU/0017/66/000/004/0041/0046

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TITLE: The peripheral blood characteristics of personnel exposed to a superhigh
frequency electromagnetic field ✓

SOURCE: Voенno-meditsinsko delo, no. 4, 1966, 41-46

TOPIC TAGS: SHF, microwave, hematology, peripheral blood, microwave radiation
effect, radiation hematologic effect, *electromagnetic field*

ABSTRACT: Changes in the peripheral blood of personnel working around SHF electro-
magnetic fields in anti-aircraft and air force installations were studied. Some
results are given in Table 1. Characteristic of the findings was a tendency towards

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Table 1

Blood Components	Tour of duty				Mean
	Up to 3 yr	3-5 yr	5-10 yr	more than 10 yr	
1	2	3	4	5	
Hemoglobin					
— from 100 to 110%	63%	7%	7.4%	8%	6.6%
— " 60 to 100%	94.7%	93%	92.6%	91.5%	92.8%
— under 60%	—	—	—	0.5%	—
Erythrocytes					
— above 5,000,000	10.8%	12.5%	11.5%	20.9%	12%
— from 4 to 5,000,000	86.4%	79.5%	82%	74.4%	82%
— " 4 to 3,500,000	2.8%	8%	6.4%	4.7%	3.5%
Leukocytes					
— under 4,000	0.7%	1.07%	1.3%	—	0.8%
— from 4 to 5,000	9%	12.3%	9.3%	11.5%	10.5%
— " 5 to 8,000	71.8%	72.6%	70%	69.2%	71.3%
— " 8 to 10,000	17%	12.3%	19.3%	17.3%	16.1%
— above 10,000	1.6%	1.07%	—	1.9%	1.04%
Differential count					
— Clustered nuclei					
— above 5	2.8%	3.2%	4.1%	8%	3.7%
— Segmented nuclei					
— above 65	15.6%	19.5%	21.3%	20%	18.7%
— under 55	11.8%	16.8%	21%	37%	18.0%
— Lymphocytes					
— under 20	2.8%	3.2%	7%	—	2.6%
— above 40	8.4%	11.4%	10.3%	17.8%	10.8%
— Monocytes					
— above 5	13%	19%	30%	27.4%	20.9%
— Eosinophils					
— above 4	1.1%	3.8%	4.1%	4%	3.04%

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