

GINSBURG, V.A.; VLASOVA, Ye.S.; VASIL'YEVA, M.N.; MIRZABEKOVA, N.S.;
MAKAROV, S.P.; SHCHEKOTIKHIN, A.I.; YAKUBOVICH, A.Ya.

Photoreaction of hexafluoroazomethane with unsaturated compounds.
Dokl.AN SSSR 149 no.1:97-99 Mr '63. (MIRA 16:2)

1. Predstavleno akademikom M.I.Kabachnikom.
(Azomethane) (Photochemistry) (Unsaturated compounds)

GINSBURG, V.A.; DUBOV, S.S.; MEDVEDEV, A.N.; MARTYNOVA, L.L.; TETEL'BAUM, B.I.;
VASIL'Y'VA, M.N.; YAKUBOVICH, A.Ya.

Structure of the inclusion complexes of trifluoronitrosomethane with
unsaturated compounds and the mechanism of their formation. Dokl.
AN SSSR 152 no.5:1104-1107 O '63. (MIRA 16:12)

1. Predstavleno akademikom I.L.Knunyantsem.

GINSBURG, V.A.; MEL'NIK, A.N.; LEFTEVA, M.F.; PUDOV, G.S.; YAKHOVICH, A.Ye.

Electron transference in reaction of nitroso compounds. Part 2:
Mechanism of disproportionation of trifluoronitromethane. Zhur.
ob. khim. 35 no.5:1418-1422 Ag '65. (MIRA 18:9)

L 52113-55 EFP(c)/EPR/EWP(j)/EWA(c)/EWT(m)/T Pc-L/Pr-L/Ps-L RPL WW/RM

UR/0286/65/000/009/0021/0021

ACCESSION NR: AP5015236

AUTHORS: Yakubovich, A. Ya.; Ginsburg, V. A.; Muler, L. I.; Bay, L. I.; Popkova, G. I.

TITLE: A method for obtaining n-cyanostyrene. Class 12, No. 170490

5 33 B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 21

TOPIC TAGS: cyanostyrene, vinylbenzoic acid, amide, phosphorus pentoxide

ABSTRACT: This Author Certificate presents a method for obtaining n-cyanostyrene. To simplify the process and to broaden the selection of raw material, n-vinylbenzoic acid amide is dehydrated with phosphorus pentoxide while being warmed in a vacuum.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta khimicheskoy i neftyanoy promyshlennosti pri gosplane SSSR (Enterprise of the State Committee of the Chemical and Petroleum Industry at the Gosplan SSSR)

SUBMITTED: 09Apr63

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 1/1, 116

GINSBURG, V.A.; MARTYNOVA, L.L.; DUBOV, S.S.; TEL'BAUM, B.I.;
YAKUBOVICH, A.Ya.

Structure of adducts of trifluoronitroso methane with unsaturated
compounds. Zhur. ob. khim. 35 no.5:851-857 My '65.

(MIRA 18:6)

L 00892-66 EWT(m)/EPF(c)/EMP(j)/EWA(c) RPL WW/JW/RM

ACCESSION NR: AP5020084

UR/0079/65/035/008/1418/1422
546.161:547.122:547.414.7

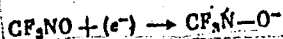
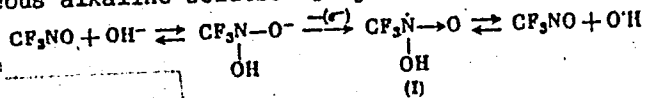
AUTHOR: Ginsburg, V. A.; Medvedev, A. N.; Lebedeva, M. F.; Dubov, S. S.;
Yakubovich, A. Ya.

TITLE: Electron transfer in nitroso-compound reactions. I. Mechanism of tri-
fluoronitrosomethane disproportionation

SOURCE: Zhurnal obshchey khimii, v. 35, no. 8, 1965, 1418-1422

TOPIC TAGS: electron transition, reaction mechanism, EPR spectrum, organic nitroso
compound, aliphatic fluoronitro compound, methane

ABSTRACT: The mechanism of trifluoronitrosomethane disproportionation was studied
in various organic and aqueous alkaline solvents in the temperature range from
-120° to 20°C. A detailed examination of the EPR spectra indicated that in the ab-
sence of a reducing agent, the first stage of trifluoronitrosomethane dispropor-
tionation in an aqueous alkaline solution [CF₃NO + (C₂H₅O) + 20% aqueous NaOH] is as
follows

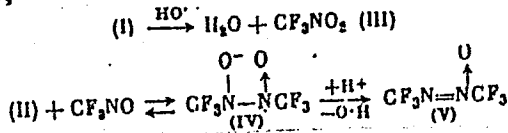


Card 1/3

L 00892-66

ACCESSION NR: AP5020084

In the next stage,



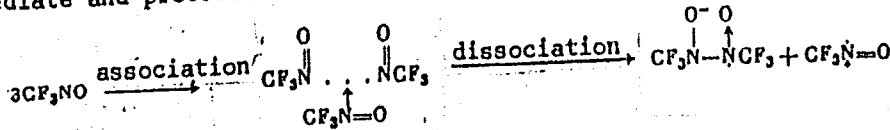
hexafluoroazoxymethane and trifluoronitromethane are formed in a reaction proceeding via the ion-radical mechanism. In the range from -120° to room temperature, the EPR spectra indicate formation of a paramagnetic species at the interphase. Examination of the structure of the EPR spectra at -120°C indicates formation of several types of free radicals. The hydroxy radicals, doublet with identical intensity and a splitting of ΔH = 58 Oe, recombine at -100°C. At 20°C the ratio of intensities of the 6 hyperfine lines is close to 1:4:7:7:4:1 which corresponds to a radical incorporating a group CF₃N. Similarly, 6 hyperfine EPR lines but with-

out doublet splitting were found using ethyl ether, chloroform, methyl chloride, and ethyl chloride as solvents. In the CF₃NO + C₂H₅OH system the doublet splitting

L 00892-66

ACCESSION NR: AP5020084

(ΔH) is equal to 3.3 Oe which is about 1.5 times greater than that found in the systems involving either toluene or hexane. No EPR spectrum corresponding to trifluoronitrosomethane was found using either carbon tetrachloride or trifluoroacetic acid as solvents. The transformation of trifluoronitrosomethane into the dimetric ion-radical (IV) in the absence of a reducing agent involves formation of a π -complex intermediate and proceeds according to the following mechanism



Orig. art. has: 4 figures, 3 formulas.

ASSOCIATION: none

SUBMITTED: 02Sep63

NO REF SOV: 007

ENCL: 00

OTHER: 004

SUB CODE: GC, OC

Card 3/3 DP

YAKUBOVICH, A. Ya.; DZEMKO, I.M.; GINSBURG, V.A.

Fluorinated p-divinylbenzenes. Zhur. VHS no. 63705-706
'65 (MIRA 1961)

1. Submitted April 20, 1965.

LEV, M.V.; GINSBURG, V.N.

It is necessary to plan for the mechanization of labor.
Kosh.-obuv.prom. no.9:9-13 S '59. (MIRA 13:2)

1. Glavnyy inzhener Moskovskoy obuvnoy fabriki imeni
Kapranova (for Lev). 2. Starshiy inzhener po organizatsii
proizvodstva Moskovskoy obuvnoy fabriki imeni Kapranova (for
Ginsburg).

(Moscow--Shoe manufacture)

LUPEKIN, L.A.; GINSBURG, V.N., starshiy inzhener po organizatsii proizvodstva

The collective of the factory named after Kapranov struggles for
a high quality of footwear. Khozh.-obuv.prom. 4 no.1:4-6 Ja '62.

(MIRA 15:3)

1. Glavnyy inzhener obuvnoy fabriki imeni Kapranova (for Lupekin).
(Shoe manufacture)

ARKHIPKIN, I. M.; GINSBURG, V. N.

Work practices of the "Vostok Production Combine in Moscow for
the manufacture of standard shoes. Kozh. obuv. prom. 5 no. 12:
13-15 D '63. (MIRA 17:5)

GINSBURG, Y. P. (Leningrad)

"The ~~Applied~~ Turbulent Boundary Layer of a Compressible Fluid."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

GINSHPUNT, Ye.M., podpolkovnik meditsinskoy sluzhby.

Some peculiarities of the course of tuberculous meningitis in
adults treated by streptomycin. Voen.-med. zhur. no.9:32-37
S '51. (MLB 9:9)

(TUBERCULOSIS)

GINSKI, Bronislaw, mgr

Polish heavy industry at the 33rd International Poznan Fair.
Przepl mech 23 no.9/10:257-259 25 My '64.

1. Chairman of the Commission for Affairs Connected with the
Poznan Fairs of the Administration of Heavy Industry, Warsaw.

GINSKI, Bronislaw, mgr

The Thirty-fourth International Poznan Fair. Przeglad 24
no.10;229-290 25 My '65.

1. Chairman of the Branch Committee of Heavy Industry for
Problems of the International Poznan Fairs.

GINSTLING, A.M.; ONOKHIN, A.P.

Effect of elastic vibrations on some diffusion processes of the woodpulp and paper manufacture. Part 1: Effect of ultrasonic waves on the impregnation of spruce wood with "sulfite" cooking acid. *Izv. vys. ucheb. zav.; khim. i khim. tekh.* 3 no. 3: 522-526 '60. (MIRA 14:9)

1. Leningradskiy tekhnologicheskii institut tsellyulozno-bumazhnoy promyshlennosti, kafedra protsessov i apparatov khimicheskoy tekhnologii.

(Woodpulp)

(Ultrasonic waves)

GINSTLING, A.M. [deceased]; BARAM, A.A.

Extraction of gasoline and inorganic admixtures from polyethylene
in rotation apparatus. Khim. prom. no.9:23-28 S '61. (MIRA 15:1)
(Gasoline)
(Polyethylene)

BH + 10/5/62

BUDNIKOV, Petr Petrovich (GINSTLING, Arkadiy Mikhaylovich, prof.
[deceased]; BUDNIKOV, P.P.;

[Reactions in mixes of hard substances] Reaktsii v smesiakh
tverdykh veshchestv. 2. ispr. i dop. izd. Moskva, Stroi-
izdat, 1965. 473 p. (MIRA 18:4)

GINT, I.

~~MIET~~, I.; ANDRESON, N., redaktor; EINBERG, K., tekhnicheskiiy redaktor

[Disintegrator method of making silicate and calcium silicate building materials] Desintegratornyi sposob izgotovleniia silikatnykh i silikal'tsitnykh izdelii. Tallinn, Estonskoe gos. izd-vo, 1952. 107 p. [Microfilm] (MLRA 7:10)
(Silicates) (Building materials)

POLAND

HERBST, Irena, HALWEG, Halina, and GENTHA, Bronislawa, First Clinic of Obstetrics and Gynecology (I Klinika Położnictwa i Ginekologii) of the Physicians' Refresher Division (Stadium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. M. BOLSKA) and the Mycology Laboratory (Pracownia Mykologiczna) of the Tuberculosis Institute (Instytut Gruźlicy) in Warsaw (Director: Docent, Dr. P. KRUKOWKA)

"Treatment of Vaginal Candidiasis with Nystatine and Trichomycine."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 44, 29 Oct 62, pp 1711-1713.

Abstract: [Authors' English summary modified] Details are given of experimental treatment of vaginal candidiasis with nystatin (nystatin) and trichomycine, and the results are reported. Both antibiotics effective in clearing clinical symptoms, and periodic checks are recommended for recurrence in pregnant women. Five Western references.

1/1

GINTER, E.

Application. Food Industry.

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 10328
Author : Gazo, M. and Ginter, E.
Title : The Stabilizing Effect of Milk on Vitamin C.
Orig Pub : Prumysl. potravín, 1956, Vol 7, No 6, 269-271

Abstract : The effect of various amounts of milk and whey on the stability of l-ascorbic acid solutions in distilled and in drinking water during the preparation of various foods has been investigated. It has been established that the addition of 10-20% of milk or of whey results in a marked decrease in the loss of ascorbic acid. The vitamin C stabilising effect of milk has been demonstrated in many sauces rich in vitamin C. The author outlines the basic principles of the application of milk as a vitamin C stabiliser in the food processing industry.

Card : 1/1

GINTER, E. (Bratislava, Malinovskeho 44/B)

Avitaminosis C & the spectrum of free amino acids of skeletal muscle
in the guinea pig. Cesk. gastroenter. 11 no.5:329-334 5 Sept 57.

1. Ustav pre vyskum vyzivy ludu, Bratislava, riaditel Dr. A. Bucko.

(AMINO ACIDS, metab.

free amino acids in skeletal musc. in exper. avitaminosis C,
chromatography (Cz))

(MUSCLES, metab.

same)

(SCURVY, exper.

free amino acids in skeletal musc. in guinea pig, chromatog-
raphy (Cz))

GINTER, E.

CZECHOSLOVAKIA /Human and Animal Physiology. Metabolism.

T

Abs Jour: Ref Zhur-Biol., No 27, 1953, 92965.

Author : Ginter, Emil.

Insc :

Title : L-Ascorbic Acid and Protein Metabolism.

Orig Pub: Biologia, 1957, 12, No 10, 785-794.

Abstract: No abstract.

Card : 1/1.

1638. L-ASCORBIC ACID AND PROTEIN METABOLISM. V. CHANGES IN THE SERUM PROTEIN FRACTIONS AT DIFFERENT STAGES OF C-AVITAMINOSIS IN GUINEA-PIGS (Czech text) - Ginter E. Inst. Nutrit., Bratislava - PHYSIOL. BOHEM. 1958, 7/3 (234-240) Tables 1

During the first week after omitting L-ascorbic acid from the diet, a significant decrease occurred in the albumins, with an increase in the α -globulin fractions. This decrease and increase also persisted in the further phases of C-avitaminosis until death. The β - and γ -globulins were not affected during the first 2 weeks of C-avitaminosis. The next week (from the 21st day), when the experimental animals began to lose weight, a permanent increase occurred in the β -globulins, with a temporary increase in the γ -globulins, which returned to normal shortly before the death of the scorbutic animals.

Hahn - Prague

EXCERPTA MEDICA Sec 2 Vol 12/7 Physiology July 59

2776. L-ASCORBIC ACID AND PROTEIN METABOLISM. VI. FREE AMINO ACIDS IN SOME GUINEA-PIG TISSUES IN EXPERIMENTAL SCURVY (Russian text) - Ginter E. Inst. of Human Nutrit., Physiol. Dept., Bratislava - PHYSIOL. BOHEM. 1958, 7/4 (408-414) Tables 3

In the liver, C avitaminosis resulted in a marked fall in the glutathione level, an increase in glutamic acid and a decrease in the glutamine level. In the spleen of scorbutic guinea-pigs a marked increase occurred in the amount of free alanine and a decrease in the level of free glutamine. A slightly significant tendency to a decrease of free glycine was observed. The spectrum of free amino-acids in the brain was not affected by C avitaminosis.

CZECHOSLOVAKIA/ Human and Animal Physiology (Normal and Pathological) Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26278

Author : Gluter, Emil

Inst :

Title : L-Ascorbic Acid and Protein Metabolism. II. Nitrous Balance in Guinea Pigs in the Early Stage of Avitaminosis.

Orig Pub : Biologia, 1958, 13, No 1, 45-52

Abstract : In growing guinea pigs which received scorbutigenic rations, in the first 7 days after termination of L-ascorbic acid (I) administration, the excretion of N with urine considerably increased, as a consequence of which the positive nitrous balance decreased. The weight increase of guinea pigs on the first day of their deprivation of I was considerably lower than in guinea pigs which received the same scorbutigenic ration but with

Card 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000
CZECHOSLOVAKIA/ Human and Animal Physiology (Normal and Pathological) Metabolism. Vitamins.

CIA-RDP86-00513R00051672

Abs Jour : Ref Zhur Biol., No 6, 1959, 26278

daily addition of 3 mg of I per animal. The consumption of N in animals of both groups was the same. The increase of N excretion with urine, connected with a decrease of weight increase, in one of the first symptoms of C insufficiency in rations. It is assumed that I plays an essential role in protein metabolism, and that insufficiency of vitamin C in the feed in the course of several days induces in guinea pigs a disturbance of the equilibrium of synthesis and protein decomposition processes to the side of the prevalence of the latter with the latter predominating.

Card 2/2

GINTER, E.

Free amino acids of some tissues in guinea pigs. p. 700.

Bratislava, Czechoslovakia. Vol. 13, no. 9, 1958

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2.
Feb. 1960.

Uncl.

GINTER, E.; DIBAK, O.

Effect of nutritional factors on the fluorine balance of fluorinized rats. p. 402.

ČESKOSLOVENSKA HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 7, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, January 1960.

Uncl.

GINTER, Emil

Biochemical role of vitamin C in the process of wound healing.
(Critical review of the literature). Cas.lsk.cesk 99 no.29:169-174
19 Ag'60.

1. Ustav pre vyskum vysivy ludu v Bratislave, riaditel MUDr.
Andrej Bucko, C.Sc.

(VITAMIN C metab)
(WOUND HEALING metab)

GINTER, Emil

Effect of C avitaminosis on the transaminase in various organs of guinea pigs; L ascorbic acid and the metabolism of proteins. VII. Biologia 15 no.8:619-622 '60. (EEAI 10:4)

1. Ustav pre vyskum vyzivy ludu, Bratislava.
(ASCORBIC ACID)
(AVITAMINOSIS)
(PROTEINS)
(TRANSAMINASES)

GINTER, E.

Influence of carbon tetrachloride on the metabolism of l-ascorbic acid. Cesk. hyg. 7 no.8:453-460 S '62.

1. Ustav pre vyskum vyzivy ludu, Bratislava.
(ASCORBIC ACID) (CARBON TETRACHLORIDE POISONING)

GINTER, E.

Glycogen synthesis in vitamin C deficiency. Cesk. gastroent.
vz. 17 no.5:310-313 JI '63.

1. Ustav pre vyskum vyzivy ludu v Bratislave, riaditel doc.
dr. A. Bucko, CSc.

(ASCORBIC ACID DEFICIENCY) (LIVER GLYCOGEN)
(CARBOHYDRATE METABOLISM)
(CARBON TETRACHLORIDE POISONING)
(HEPATITIS, TOXIC)

BOBEK, P.; GINTER, E.

Effect of C avitaminosis on the level of serum lipoproteins in guinea pigs with intact and tetrachloride-damaged livers. Cas. lek. cesk. 102 no.40:1103-1106 4 0 '63.

1. Ustav pre vyskum vyzivy ludu v Bratislave, riaditel doc. dr. A. Bucko, CSc.

(ASCORBIC ACID DEFICIENCY) (LIPOPROTEINS)
(CARBON TETRACHLORIDE POISONING)
(BLOOD PROTEIN ELECTROPHORESIS)
(HEPATITIS, TOXIC) (LIVER REGENERATION)

GINTER, Emil

Methodical information on the induction of experimental vitamin C deficiency in guinea pigs. Biologia (Bratisl.) 19 no.3:180-185 '64.

1. Ustav pre vyskum vyzivy ludu, izotopove pracovisko v Bratislave.

*

GINTER, E.; BOBEK, P.; GERBELOVA, M.; ONDREICKA, R.; BILISICS, L.

Lipid metabolism under conditions of acute and chronic
L-ascorbic acid deficiency in guinea-pigs. *Physiol. Bohemo-*
slov. 14 no.3:282-288 '65.

1. Institute of Human Nutrition, Bratislava.

L 1997-66

ACCESSION NR: AP5026090

CZ/0049/65/000/007/0537/0545

AUTHOR: Bobek, Pavel (Graduate chemist)(Bratislava); Ginter, Emil (Graduate of sciences, Graduate chemist)(Bratislava) ¹⁹_B

TITLE: Influence of high-fat high-cholesterol diet upon the metabolism of lipids in rats.

SOURCE: Biologia, no. 7, 1965, 537-545

TOPIC TAGS: rat, biologic metabolism, nutriology, biochemistry

ABSTRACT: [Authors' summary modified]: Long-term diets containing high amounts of cholesterol and triglycerides cause an accumulation of cholesterol in the liver, adrenal glands, epididymal fatty tissue, and blood of rats. At the same time, the concentration of beta-lipoproteins increases. Biosynthesis of cholesterol in liver and the adrenal glands was decreased drastically; the levels of esterified fatty acids and lipid phosphorus in blood and tissues did not change significantly. Although there was a deep upset of the fat metabolism, deposition of lipids in the aorta was not found. The authors conclude that it is very difficult to provoke the syndrome of arteriosclerotic changes in rats.

Card 1/2

L 1997-66

ACCESSION NR: AP5026090

"The authors thank Dr. J. Babal (Institute for Pathological Anatomy LF UK in Bratislava) for histological analysis of specimen and Eng. J. Cerven and Eng. H. Deakova for cooperation in isotopic and biochemical studies." Orig. art. has: 1 figure, 4 graphs, 3 tables.

ASSOCIATION: Laboratorne oddelenie Ustavu pre vyskum vyzivy ludu, Bratislava
(Laboratory Department, Institute for Nutritional Research)

SUBMITTED: 30Jan65

ENCL: 00

SUB CODE: LS

NR REF SOV: 003

OTHER: 029

JPRS

Card 2 1/2

Physiology

CZECHOSLOVAKIA UDC 612.015.3(:547.915):612.014.434

BOBEK, P.; ~~GINTER, E.~~ Research Institute for Human Nutrition (Vyskumny Ustav Vyzivy Ludu), Bratislava, Director (Riaditel) Docent Dr A. BUCKO.

"Acclimatization to Cold and Lipid Metabolism."

Prague, Casopis Lekarů Ceských, Vol 105, No 38, 16 Sep 66, pp 1022 - 1029

Abstract: The influence of low temperatures on the metabolism of lipids is discussed. Basic principles of thermoregulation, the reactions of the organism to the reduced temperature of the surroundings, acclimatization phenomena and their mechanism, and the metabolism of lipids under the conditions of acclimatization to cold are described. Authors' experiments with rats exposed to intermittent long periods of exposure to cold are discussed. A normalization effect of cold acclimatization on the level of liver glycogen is described. Histological changes of the myocardium in rats exposed to cold and fed an atherogenic diet are discussed. 4 Figures, 76 Western, 2 Czech references. (Manuscript received Dec 64).

1/1

GINTER, E.

The effect of scurvy on the metabolism of glutamine. *Physiol. Bohemoslov.*
11 no.6:522-528 '62.

1. Institute of Nutritional Research, Bratislava.
(SCURVY) (GLUTAMINE)

GINTER, E.; CERVEN, J.

The effect of experimental C ~~vitamin~~vitaminosis on the metabolism of nucleic acids. *Physiol. Bohemoslov.* 11 no.6:529-534 '62.

1. Isotope Department, Institute of Nutritional Research, Bratislava.
(ASCORBIC ACID DEFICIENCY) (RNA) (DNA)

GINTER, E.

Czechoslovakia

Institute for Nutritional Research (Ustav pre vyskumvyzivy
l'udu, Bratislava), Bratislava;

Prague, Ceskoslovenska hygiena, No 8, Sep 62, pp 453-460.

"Influence of Carbon Tetrachloride on the Metabolism of
l-Ascorbic Acid".

GINTER, F.

An exhibition of the conservation of nature in Brerov in 1956, p. 27 (Ochrana
Přírody Vol. 12, no.1, Jan. 1957 Praha)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, 1957. Incl.

GINTER, K.I. (Krasnodarskiy kray, Gelendzik).

application of novocaine block in snake bite. Khirurgia no.12:
64-65 D '53. (MLRA 7:1)
(Novocaine) (Venom--Physiological
effect)

GINTER, K.I.

Plastic surgery of the lower lip in extensive defects. Khirurgiia,
Moskva no. 10:45-47 Oct 1952. (CIML 23:3)

1. Of the Surgical Division of Novo-Pokrovsk Rayon Hospital (Head of
Division -- K. I. Ginter), Krasnodar Kray.

SLOMKO, Zbigniew; GINTER, Seweryn

The course and management of pregnancy, labor and puerperium after commissurotomy. Ginek. Pol. 33 no.2:265-274 '62.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Poznaniu Kierownik: doc. dr W. Michalkiewicz.

(MITRAL STENOSIS surg) (PREGNANCY) (LABOR)
(PUERPERIUM)

ALEKSANDROVA, M.; GINTER, V. [Gintere, V.]; INDULEN, M. [Insulena, M.];
KANEL', I. [Kanele, I.]; KONDRASHOVA, M.; KUKAYN, G. [Kukaine, G.]

Virological and serologic studies of live vaccine against polio-
myelitis. Report II. Vestis Latv ak no.6:153-158 '60.
(EEAI 10:9)

(POLIOMYELITIS) (VACCINES AND VACCINATION)

DIBAK, O.; ~~GINTER, Ye.~~ (Bratislava)

Protective effect of food substances in fluorine poisoning.
Vop.pit. 18 no.4:3-11 J1-Ag '59. (MIRA 12:10)

1. Iz fiziologicheskogo otdeleniya Instituta issledovaniya
pitaniya naroda (dir.A.Buchko), Bratislava, Chekhoslovakiya.
(DISTS, in var. dis.
fluorine pois., review (Rus))
(FLUORINE, pois.
dietetic ther., review (Rus))

GINTER, Ye.K.; KARASEVA, E.V.; SIVOLODSKIY, Ye.P.

Effect of levomycetin on phagolysis in dysenterial bacteria.
Antibiotiki 7 no.5:467-470 My '62. (MIRA 15:4)

1. Kafedra mikrobiologii (zav. A.I.Korotyayev) Kubanskogo meditsinskogo
instituta.

(LEVOMYCETIN) (SHIGELLA PARADYSENERIAE)
(BACTERIOPHAGE)

SIVOLODSKIY, Ye.P.; GINTER, Ye.K.; KARASEVA, E.V.

Effect of levomysetin (Chloramphenicol) on the phagolysis of
antibiotic-resistant Flexner's dysenterial bacilli. Antibiotiki
8 no.5:461-466 My'63 (MIRA 17:3)

1. Kafedra mikrobiologii (zar. A.I. Korot'yayev) Kubanskogo
meditsinskogo instituta.

BRUNNEN, V. G.; BRUNNEN, V. G.

Textile industry and fabrics

Mechanization of straightening out tricot fabrics after pressing., Leg. prom., No. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 195~~2~~, Uncl.
2

L 29947-66

ACC NR: AP5028954 (A) SOURCE CODE: PO/0077/65/000/009/0003/0007

AUTHOR: Ginter, Zbigniew (Master of arts)(Poznan)

11

ORG: none

B

TITLE: Plant protection service

SOURCE: Ochrona roslin, no. 9, 1965, 3-7

TOPIC TAGS: ~~plant protection~~, agricultural machinery, agronomy.
~~agronomy, soil mechanics~~

ABSTRACT: The advantages of service stations for plant protection over state machine centers are discussed. The successful operation of service stations in the Poznan province is cited and the conclusion is drawn that they are preferable to state machine centers. The issue of service stations vs. state machine stations has been discussed in many articles, and therefore, the editor of the periodical "Ochrona roslin" states that the subject has been sufficiently aired and the time for a decision has arrived.

SUB CODE: 02/ SUBM DATE: none

Card 11 cc

L 64919-65

ACCESSION NR: AP5019281

PO/0077/65/000/007/0004/0006

AUTHOR: Ginter, Zbigniew (Master of arts, Poznan)

TITLE: Some problems in the improvement of plant protection

8
B

SOURCE: Ochrona roslin, no. 7, 1965, 4-6

TOPIC TAGS: plant protection, pest control, plant disease control, plant protection organization

ABSTRACT: The control of plant diseases and pests is discussed in administrative and organizational terms. It is emphasized that the dissemination and achievement of plant protection measures cannot be carried out by the farmers themselves; they must be guided by a strong, homogeneous, and professionally qualified body of administrators, which thus far has not been properly organized in Poland. An important factor accounting for the lack of progress in the modernization of plant protection seems to be the concept of the agronomist as the link responsible for the organization of plant protection on rural territory, despite the fact that he is not a member of the plant protection staff and has no opportunity to become one. It is recommended that the regional-instructor setup be reinstated, and that the agronomist serve only in an auxiliary capacity. Recommendations are given concerning the means of raising the

Card 1/2

L 64919-65

ACCESSION NR: AP5019281

funds for the remuneration of such instructors. Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS, GO

NO REF SOV: 000

OTHER: 000

Card 2/2-7706

Agriculture

POLAND

PO/0077/65/000/009/0003/0007

AUTHOR: Ginter, Zbigniew (Master of arts)(Poznan)

ORG: none

TITLE: Plant protection service

SOURCE: Ochrona roslin, no. 9, 1965, 3-7

TOPIC TAGS: agricultural machinery, agronomy

ABSTRACT: The advantages of service stations for plant protection over state machine centers are discussed. The successful operation of service stations in the Poznan province is cited and the conclusion is drawn that they are preferable to state machine centers. The issue of service stations vs. state machine stations has been discussed in many articles, and therefore, the editor of the periodical "Ochrona roslin" states that the subject has been sufficiently aired and the time for a decision has arrived.

1/1

GINTEROVA, A.; ~~GLAVINA, P.~~ P.

SCIENCE

Periodicals: BIOLOGIA Vol. 10, No. 6, 1955

GINTEROVA, A.; ~~GINTER~~, E.; NEMEC, P. Antibiotic properties of one strain of asymmetric penicillin. p. 770

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

GINTEROVA, A.: LACOK, P.: KOLEK, F.

A study of the physiological properties of corn lye. I. p. 641.

Vol. 13, no. 9, 1958. Bratislava, Czechoslovakia.

Monthly List of East European Accessions (EEAI), IC. Vol. 9, no. 2.
Feb., 1960. Uncl.

GINTEROVA, A.

"A study of the physiological properties of corn lye."

BIOLOGIA, Slovenska akademia vied, Bratislava, Czechoslovakia, Vol. 13, No. 12, 1958.

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

GINTEROVA, A.

5th Seminary on the Biology of the Evolution of Cultivated Plants. p. 383

BIOLOGIA (Slovenska akademia vied)
Bratislava Czechoslovakia

Vol. 14, no. 5, 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

STUHLIK, Vaclav.; RABANOVA, Ludmila; GINTEROVA, Anastasia;
MITTERHAUSZEROVA, Ludmila

A contribution to studies of the properties of biologically
active yeast. Biologia 16 no.1:40-45 '61. (EEAI 10:7)

(YEAST)

GINTEROVA, Anastazia, C.Sc.; MITTERHAUSZEROVA, Ludmila, inz.; GRODOVSKY, Michal,
inz.

Preparation of the yeast polysaccharide of zymosan. Chem zvesti
15 no.11/12:922-927 N-D '61.

1. Ustredny vyskvmny ustav potravinarskeho priemyslu, Bratislava.
Authors' address: Bratislava, Mileticova 14B.

GINTEROVA, A.

Flocculation of yeast. Kvasny prum 9 no.1:11-14 Ja '63.

1. Ustredny vyskumny ustav potravinarskeho priemyslu, pobočka Bratislava.

GINTEROVA, Anastazia; MITTERHAUSZEROVA, Ludmila; JANOTKOVA, Olga

Use of the sedimentation method for determining the baker's yeast agglutination. Prum potravin 14 no.2:97-98 F '63.

1. Ustredny vyskumny ustav potravinarskeho priemyslu, pobacka Bratislava.

GINTEROVA, A.; MITTERHAUSZEROVA, L.; JANOTKOVA, O.

Content of various water forms in baker's yeast in relation to its agglutination. Kvasny prum 10 no. 6:129-131 Je '64.

1. Research Institute of Distillation and Canning Industry, Bratislava.

GINTEROVA, A.; MITTERHAUSZEROVA, L.; JANOTKOVA, O.

Effect of c erfermented mash on yeast agglutination. Kvasny
prum 10 no.9:207-208 S '64.

L. Research Institute of Distillation and Canning Industry,
Bratislava.

MITTERHAUSZEROVA, Ludmila; GINTEROVA, Anastazia; SEDLAROVA, Ludmila

The effect of selection on the agglutination of baker's yeast.
Biologia (Bratisl) 20 no.3:181-184 '65

1. Vyskumny ustav liehovarsko-konzervarenskeho priemyslu v
Bratislave.

GINTEROVA, Anastazia; MITTERHAUSZEROVA, Ludmila; JANOTKOVA, Olga.

Fermentation of sugars with agglutinated and nonagglutinated baker's yeast. Biologia (Bratisl) 20 no.3:185-188 '65.

1. Vyskumny ustav Liehovarskeho a konzervarenskeho priemyslu v Bratislave.

GINTEROVA, A.; MITTERHAUSZEROVA, L.; JANOTKOVA, O.

Some properties of agglutinated bakery yeast. Kvasny prum
11 no.2:41-43 F '65.

1. Research Institute of the Distilling and Canning Industry,
Bratislava. Submitted June 18, 1964.

L 14894-66

ACC NR: AP6008342

SOURCE CODE: CZ/0049/65/000/003/0181/0184

AUTHOR: Mitterhauszerova, Ludmila--Mittergauszerova, L. (Engineer; Bratislava);
Ginterova, Anastazia (Graduate biochemist, Candidate of science; Bratislava);
Sedlarova, Ludmila (Doctor, Candidate of science; Bratislava)

ORG: Research Institute of the Alcohol and Food Preserving Industry, Bratislava
(Vyskumny ustav liehovarsko-konzervarenskeho priemyslu)

TITLE: Influence of selection upon the agglutination of baker's yeast

SOURCE: Biologia, no. 3, 1965, 181-184

TOPIC TAGS: yeast, heredity, food technology

ABSTRACT: The heredity of the property of agglutination of baker's yeast was verified by making fourfold selection in commercial yeast and investigating the products. When the selection was made, so that an increased tendency to agglutination would be maintained, the occurrence of agglutinating isolates was increased from 10.4% to 42.9%, and the non-agglutinating isolates fell from 48.7% to 19.5%. In selection favoring non-agglutinated isolates their content increased from 48.7% to 55.4%, and the content of the agglutinated isolates decreased from 10.4 to 3.1%. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 04Nov64 / ORIG REF: 001 / OTH REF: 005

Card 1/1

14
B

2

L 14884-66

ACC NR: AP6008343

SOURCE CODE: CZ/0049/65/000/003/0185/0188

AUTHOR: Ginterova, Anastazia (Bratislava); Mitterhauszerova, Ludmila--
Mittergaustserova, L. (Bratislava); Janotkova, Olga--Janotkova, O. (Bratislava) ²⁰B

ORG: Research Institute of the Alcohol and Food Preserving Industry, Bratislava
(Vyskumny ustav liehovarskeho a konzervarenskeho priemyslu)

TITLE: Fermentation of sugars by agglutinated and non-agglutinated bakers yeast

SOURCE: Biologia, no. 3, 1965, 185-188

TOPIC TAGS: fermentation, carbohydrate, yeast, food technology, plant metabolism

ABSTRACT: Commercial yeast of the Trenoin factory (*S. cerevisiae*) was studied in anaerobic conditions; use of oxygen and production of carbon dioxide were investigated. The same was followed under aerobic conditions. Glucose, sucrose, and maltose were used as substrates. Differences between suspended yeast and yeast that was agglutinated during yeast production were compared. No differences were found in working with glucose and sucrose. In maltose, in a stream of H_2 higher production of CO_2 was shown by agglutinated yeast. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 04Nov64 / ORIG REF: 003 / OTH REF: 003

Card 1/1 ¹⁰

KRAKOWKA, Pawel; TRACZYK, Kazimierz; GINTEROWA, Bronislawa

A case of co-existing pulmonary tuberculosis and primary actinomycosis.
Gruzlica 30 no.12;1095-1100 '62.

1. Z Oddzialu I i z Pracowni Mykologicznej Instytutu Gruzlicy. Kierownik:
doc. dr med. P. Krakowka. Dyrektor: prof. dr med. W. Jaroszewicz.
(TUBERCULOSIS PULMONARY) (ACTINOMYCOSIS)
(LUNG DISEASES FUNGAL)

GINTERVAL'D, E. [Hinterwald, E.] (Tallinn)

Relying on the more active members. Posh.delo 3 No.6:5 Je '57
(Estonia--Fire prevention) (MLRA 10:7)

GINTERVAL'D, B. (Tallin).

Competition of collective farm fire brigades. Pozh. delo 3 no.7:
5-6 II '57. (MLBA 10:8)
(Estonia--Fire departments--Competitions)

GINTERVAL'D, E. [Güntervald, E.]

Victoria Elhi, chief of a volunteer fire brigade. Pozh.delo 6
no.7:30 J1 '60. (MIRA 13:7)

1. Starshiy inspektor Upravleniya pozharnoy okhrany Estonskoy SSR,
g. Tallinn.
(Tallinn--Factories--Fires and fire prevention)

GINTERVAL'D, E. (Tallinn)

Mixture for oil removal from machine parts. Pozh.delo 6:27 Mr
'60. (MIRA 13:6)

(Estonia--Factories--Fires and fire prevention)

GINTERVAL'D, E.

We get assistance from the press. Pozh.delo 6 no.5:24-25 My '60.
(MIRA 13:8)

1. Starshiy inspektor Upravleniya pozharney okhrany Estonskoy SSR.
(Fire prevention--Study and teaching)

GINTERVAL'D, E. [Hinterval'd, E.]

Oldest society of the country. Pozh.delo 8 no.7:29 J1
'62. (MIRA 15:8)

1. Chlen Dobrovol'nogo pozharnogo obshchestva goroda Tallina.
(Estonia--Fire prevention--Societies, etc.)

SZASZ, Frigyes; NADAS, Andor; GINTL, Jozsef; GOMORI, Geza

Industrial background of the development in the gas industry.
Energia es atom 13 no.3:106-111 Mr '60.

KOLLER, Sandor, muszaki egyetemi adjunktus; ALMASSY; SARLOS, Istvan, dr.; KADAS, Kalman, dr., a muszaki tudomanyok kandidatusa, egyetemi tanar; NAGY, Rudolf; TURANYI, Istvan, dr., a muszaki tudomanyok kandidatusa, tanszekvezeto tanar; GINTL, Jozsef, fomernok; SZILAGYI, Lajos; KELEMEN, Lajos

The 5th Conference on City Transportation. Auto motor 16
no.20:5-6 21 0 '63.

1. Fovarosi Tanacs Vegrehajto Bizottsaga elnoke (for Sarlos).
2. Fovarosi Tanacs Kozlekedesi Igazgatóságának helyettes vezetője (for Nagy).
3. Építőipari Műszaki Egyetem (for Turanyi).
4. Fovarosi Villamosvasut (for Gintl).
5. Fovarosi Tanacs Vegrehajto Bizottsaga Epitesi es Varosrendezesi Osztalyanak vezetője (for Szilagyi).
6. Budapest Fovarosi Tanacs Vegrehajto Bizottsaga elnokehelyettese (for Kelemen).

GINTLIS, R.V.

Determining the age of the red-tailed gerbil (*Meriones erythrorus*
Cray). *Biul. MOIP. Otd.biol.* 64 no.6:23-30 N-D '59. (MIRA 13:5)
(MANGYSHLAK PENINSULA--GERBILS) (AGE) (MORPHOLOGY (ANIMALS))

L 43194-65 EEC(b)-2/EWG(r)/EEC(k)-2/EWA(h)/EWA(k)/EWP(k)/EWT(l)/EWT(m)/
 EEC(t)/FBD/EWP(i)/T/EWA(m)-2/EWP(e) Pf-4/Pi-4/P1-4/Pm-4/Pn-4/Po-4/Peb
 UR/0368/65/002/002/0142/0146
 ACCESSION NR: AP5010043 IJP(c) WH/WG 6 4
 4 8

AUTHOR: Gintoft, R. I.; Samson, A. M.; Sarzhevskiy, A. M.

TITLE: Determination of certain ruby laser characteristics in the nonstationary
 generation mode

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 2, 1965, 142-146

TOPIC TAGS: ruby laser, nonstationary laser operation, pump power dependence,
 laser pulsation, laser

ABSTRACT: The authors measured the pump waveform, the time of appearance of the first oscillation spike, and the average period of the random laser power pulsations of a 6.5-cm ruby laser with end surfaces having ~90% reflection, and established the dependence of the time of appearance of generation and of the pulsation frequency on the pump power. The results were compared with theoretical calculations of the average pulsation power based on the determination of the absolute probability of pump-quantum absorption, developed in earlier papers of one of the authors (Samson, Opt. i spektr. v. 16, 869, 1964, and others). The experimental

Card 1/2

L 43194-65
ACCESSION NR: AP5010043

results have confirmed the validity of the theory, which is shown to apply also to irregular pulsations. The minimum energy introduced into the active medium is estimated. It is pointed out that the results can yield, in principle, new data on the characteristics of the working medium in the lasing mode by measuring the nonstationary behavior of the laser as the interferometer base is varied. Orig. art. has: 3 figures, 6 formulas, and 1 table. [02]

ASSOCIATION: none

SUBMITTED: 10Sep64

ENCL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 003

ATD PRESS: 3242

Card 2/2

L 04563-67 EWT(1)/EWP(e)/EWT(m)/EEC(k)-2/T/EWP(k) LJP(c) WG/WH

ACC NR: AP6032443

SOURCE CODE: UR/0368/66/005/003/0302/0305

AUTHOR: Gintoft, R. I.; Sarzhevskiy, A. M.

ORG: none

TITLE: Nonstationary generation of a laser with ground ruby

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 3, 1966, 302-305

TOPIC TAGS: solid state laser, ruby laser, laser energy, laser pump

ABSTRACT: The purpose of the investigation was to determine the time behavior of a laser with ground ruby as a function of the distance between the interferometer mirrors and the pump energy, and to check on methods proposed in earlier papers (ZhPS, v. 2, 142, 1965 and v. 3, 128, 1965) for determining certain characteristics of lasers operating in the nonstationary generation mode. The experiment was made with a ruby rod 79.6 mm long and 6.5 mm in diameter at room temperature. The pump was a straight xenon flash lamp with a cylindrical reflector. Before grinding the ruby, the dependence of the threshold pump energy on the interferometer base L was determined, after which the ruby surface was ground. The interferometer base was varied from 20 to 420 cm, and the ruby was symmetrically placed relative to the mirrors. The results show that the dependence of the threshold pump energy on L is the same for ground and transparent ruby rods, and is linear in the distance between the mirrors, but a larger pump energy is needed to excite the ground ruby. The time needed to produce population inversion decreases with increasing pump energy and increases with increasing

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UDC: 535.89

L 04563-67

ACC NR: AF603243

distance between interferometer mirrors, the latter being connected with the increase in the loss factor. The pulsation time (average distance between spikes at the start of lasing) decreases with increasing pump energy and increases with increasing distance between mirrors, but by a smaller amount than for non-ground ruby rods. Slight deviations are observed in all the measured quantities from their theoretical values, and the reasons for the discrepancies are briefly discussed. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 20/ SUBM DATE: 26Nov65/ ORIG REF: 006/ OTH REF: 003
ATD PRESS: 5100

Card 2/2 vmb

L 2687-66 EWA(k)/FBD/EWT(1)/EWP(e)/EWT(m)/EEC(k)-2/EWP(1)/T/EWP(k)/EED-2/EWA(h)/
ACCESSION NR: AP5021488 FCS(k)/EWA(m)-2 SCTB/ IJP(c) UR/0368/65/003/002/0128/0133
WH/WR/WG

59
B

AUTHOR: Gintoft, R. I.; ⁴⁴Samson, A. M.; ⁴⁴Sarzhhevskiy, A. M. ¹⁷

TITLE: Dependence of certain ruby laser characteristics on the distance between
the interferometer mirrors ¹⁵ ^{25, 44}

SOURCE: Zhurnal prikladnoy spektroskopii, v. 3, no. 2, 1965, 128-133

TOPIC TAGS: ruby laser, laser pulsation, laser pumping, laser emission, laser theory, laser optics

ABSTRACT: This is a continuation of an earlier work by the authors (ZhPS v. 2, 142, 1965) devoted to a study of the dependence of buildup time (time for appearance of first spike) and pulsation period (average time between all spikes) of a ruby laser on the pump energy. The study was made for the case when the reflecting coatings were deposited on the ends of the ruby rod. The present investigation concerns a laser with external mirrors, with a rod 6.5 mm in diameter and 81 mm long. The distance between the interferometer mirrors could be varied from 15 to 360 cm. The buildup time and the pulsation period were measured at different pump powers. The results show that at constant power both the buildup time and the pulsation period increase with increasing distance between mirrors. The threshold pump energy likewise in-

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L 2687-66

ACCESSION NR: AP5021488

creases with the distance. The increase in the buildup time is attributed to an increase in the loss coefficient of the ruby. A comparison of the experimental results with the theoretical calculation confirms this assumption. It is also concluded that the results agree well with the probability-method equations derived earlier by one of the authors (Samson, Opt. i spektr. v. 16, 869, 1964 and later papers), especially with respect to the nonstationary laser emission, and that the study of the nonstationary emission makes it possible to investigate the properties of the laser, the active medium, and the pump conditions. Orig. art. has: 3 figures, 4 formulas, and 2 tables. [02]

ASSOCIATION: none

SUBMITTED: 09Dec64

ENCL: 00

SUB CODE: EC

NO REF SON: 004

OTHER: 000

ATD PRESS: 4/02

Card 2/2

L 2978-66 EWA(k)/FED/EWT(1)/EWT(m)/EEC(k)-2/EWP(i)/T/EMP(k)/EWA(m)-2/EWA(h)

ACCESSION NR: AP5024147 SCTB/LJP(c) WG/WH UR/0250/65/009/009/0578/0580

AUTHOR: Gintoft, R. I.; Sarzhevskiy, A. M.

56
/ 54
B

TITLE: The dependence of the energy yield and generation period of a ruby laser on the pumping energy

SOURCE: AN BSSR. Doklady, v. 9, no. 9, 1965, 578-580

TOPIC TAGS: laser, ruby laser, laser output, energy yield, laser pumping

ABSTRACT: The energy yield and generation period of a ruby laser, which normally increase with the pumping energy in the case of interferometers in which the distance L between mirrors is small, were studied for the case of large L's. The laser consisted of a polished ruby rod 8.1 cm long and 0.65 cm in diameter and plane external mirrors with a 97% reflection coefficient in which L was varied from 120 to 420 cm in 1-m steps. The oscillograms of the laser pulses were photographed for each L as a function of the supply voltage of the pump source (a 100- μ f condenser bank). The maximum pump energy was 1000 j. The experimental results indicate that both generation period and energy yield first increase up to a certain maximum which corresponds to a given pumping energy (~ 500 j) and subsequently decrease when the latter is increased. The dependence of the ruby laser generation on temperature, and the possibility of the existence of two threshold values of

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L 2978-66

2

ACCESSION NR: AP5024147

pumping energy, postulated theoretically by D. N. Vylegzhanin and M. Kh. Zelikman (Voprosy radioelektroniki, ser. 12, no. 24, 3, 1964), were not observed experimentally. However, the dependence of the energy yield and generation period of a ruby laser on temperature can be attributed hypothetically to the fact that pumping throughout a crystal, with its internal stresses and inhomogeneities, is distributed uniformly and the ends act as lenses. In the case of polished crystals, the lenses are positive and their focal lengths f vary with pumping. The higher the pumping energy, the shorter the f and the higher the losses and, consequently, the lower the energy yield and generation period. The above hypothesis requires additional experimental confirmation. Orig. art. has: 2 figures. [YK]

ASSOCIATION: Institut fiziki AN BSSR (Physics Institute, AN BSSR)

SUBMITTED: 24Mar65

ENCL: 00

44 SUB CODE: EC

NO REF SOV: 001

OTHER: 000

ATD PRESS: 4109

BVK

Card 2/2

GINTOFT, R.I.; SARZHEVSKIY, A.M.

Output energy and time of generation for a ruby laser as
dependent on pumping. Dokl. AN BSSR 9 no.9:578-580 S '65.
(MIRA 18:11)

1. Institut fiziki AN BSSR. Submitted March 24, 1965.

GINTOFT, R.I.; SAMSON, A.M.; SARZHEVSKIY, A.M.

Dependence of some characteristics of a ruby laser on the
distance between interferometer mirrors. Zhur. prikl. spekt.
3 no. 2:128-133 Ag '65. (MIRA 18:12)

1. Submitted Dec. 9, 1964.

L 48074-56 ENT(1)/ENT(2)/ENT(3)/ENT(4)-2/7/P/10/1
ACC NR: AP6030723 SOURCE CODE: UR/0368/56/005/002/0259/0260

AUTHOR: Gintoft, R. I.; Sarzhevskiy, A. M.

ORG: none

TITLE: The influence of the adjustment of the ruby¹⁵ on the magnitude of the threshold pumping energy of a laser¹⁵

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 2, 1966, 259-260

TOPIC TAGS: ruby laser, laser energy, laser pumping

ABSTRACT: Two adjustment methods were studied. In the first, the so-called "three crosses" method, an AKT-400¹⁵ autocollimator¹⁵ is used to superpose, in succession, the crosses of the distant mirror, the nearer plane surface of the ruby, and the nearest mirror. The position of the ruby rod in the resonator with respect to its longitudinal axis was disregarded. In the second method, the cross of the distant mirror, seen through the active material, is superposed with the cross of the nearest mirror. Since the ruby crystals are nonuniform and these nonuniformities are responsible for different refraction indexes along the crystal diameter, it is difficult to superpose the crosses. The dependence of E_{thr} (the threshold pumping energy) on L (the distance between the mirrors of the interferometer minus the length of the ruby

Card 1/2

UDC: 535.89

55
B

ACC NR: AP6030723

rod) for the same ruby using both adjustment methods shows that with the second method the pumping threshold energy depends little on the distance. By changing the distance between the mirrors from 20 to 420 cm the pumping energy increased by only 56 joules. When the adjustment was done according to first method and the distance was changed from 20 to 360 cm, the threshold energy increased by 243 joules. In working with ruby lasers with external mirrors, the position of the ruby rod with respect to the mirrors is very important for the determination of the threshold values of the pumping energy. This is linked with the nonuniformity of the ruby crystal, which results in rays which are non-parallel with respect to the resonator mirrors. This can be compensated by using the first method of adjustment. Orig. art. has: 1 formula and 1 figure.

[JA]

SUB CODE: 20/ SUBM DATE: 20Oct65/ ORIG REF: 003/ ATD PRESS:
5075

Card 2/2 *epz*

GINTOVT, F.V.; MIRONOV, O.G.

Radioactivity of some organisms in the Neman River. Zool. zhur.
42 no.10:1574-1576 '63. (MIRA 16:12)

1. Higher Medical School of Grodno.

BYKHOVSKIY, B. Ye.; GINTOVT, F.V.; KOVAL', V.P.

A new species of the genus Diplozoon Nordmann, 1832 from Vimba
vimba. Trudy Ukr. resp. nauch. ob-va paraz. no. 3:43-47 '64
(MIRA 19:1)

1. Kiyevskiy gosudarstvennyy universitet.

GINTOVT, V.Ye., aspirant

Biological characteristics and economically useful qualities
of hybrid chicks. Ptitsevodstvo 9 no.9:36-37 S '59.
(MIRA 12:12)

1. Institut genetiki AN SSSR.
(Poultry breeding)

GINTOVT, V.Ye.

Characteristics of metabolism in pure and hybrid chicks during their growth. Dokl. Akad. sel'khoz. 24 no.2:40-42 '59.

(MIRA 12:2)

1. Institut genetiki AN SSSR. Predstavlena akademikom S.I. Smetnevym.

(Poultry)

(Metabolism)

GINTOVT, V.Ye.

Characteristics of metabolism in hybrid poultry. Dokl. Akad. sel'khoz.
24 no.4:11-15 '59. (MIRA 12:6)

1. Institut genetiki Akademii nauk SSSR. Predstavlena akademikom
N.F. Rostovtsevym.
(Poultry) (Metabolism)

KUSHNER, Kh.F.; GINTOVT, V.Ye.

Biological characteristics of hybrid chicks and the
phenomenon of heterosis. Trudy Inst. gen. no. 27:174-
180 '60. (Poultry breeding) (Heterosis) (MIRA 13:12)

GINTOVT, V. YE., CAND BIO SCI, "BIOLOGICAL ^{peculiarities} CHARACTERISTICS
OF PUREBRED AND HYBRID HENS IN RELATION TO THEIR GROWTH AND
PRODUCTIVITY." MOSCOW, 1961. (ACAD SCI USSR, INST OF MOR-
PHOLOGY OF ANIMALS IN A. N. SEVERTSOV). (KL, 3-61, 210).

GINTOVT, V.Ye.; IVANOVA, Ye.A.

Use of diethylstilbestrol in fattening chicks. Trudy Inst. gen.
no.28:375-380 '61. (MIRA 14:11)
(STILBENEDIOL) (POULTRY)