

ILLEGIBLE

TONKONOG, G.V.; ARIST, L.M.; ROPISTOV, A.M.; KUTNEH, M.K.; PODRANTOR, N.N.;
LITVINENKO, V.I.; GORODEBSKIY, A.N.; SHEHERBIN, A.I.; MAMENKO, V.V.

Mechanization operations in the casting house and at the hearth
of large-capacity blast furnaces. Stal' 25 no.2:102-107 F '65.
(MIRA 18:2)

MAMENKO, G.K., inzh.

Seepage in the right bank region adjoining the earth dam of the
Stalingrad Hydroelectric Power Station. Trudy Gidroproekta 3:
250-290 '60. (MIRA 13:7)

1. Otdel inzhenernoy geologii Vsesoyuznogo proyektno-izyskatel'skogo
i nauchno-issledovatel'skogo instituta "Gidroproyekt" imeni S.Ya.
Zhuka.
(Stalingrad Hydroelectric Power Station region--Soil percolation)

GALAKTIONOV, V.D., kand.geol.-min.nauk; GORETSKIY, G.I., doktor geol.-min. nauk; DURANTE, V.A., kand.tekhn.nauk; ZUBKOVICH, M.Ye., kand.geol.-min.nauk; KAVEYEV, T.S., kand.geol.-min.nauk; POKROVSKAYA, N.M., kand.geol.-min.nauk; BRASHNINA, A.N., inzh.; YEGOROV, S.N., inzh.; KUMSKOVA, O.G., inzh.; LOVETSKIY, Ye.S., inzh.; MAMENKO, G.K., inzh. MILIKHIKER, Sh.G., inzh.; SINYAKOV, N.P., inzh.; SERGEYEVA, N.A., red.; VORONIN, K.P., tekhn.red.

[Geology of the Volga-Don Canal region] Geologiya raiona sooruzhenii Volgo-Dona. Pod red. V.D.Galaktionova. Moskva, Gos.energ.izd-vo, 1960. 416 p. fold.col.map. (MIRA 13:10)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut "Gidroproyekt" imeni S.Ya.Zhuk. (Volga-Don Canal region--Geology)

SOV/106-86-7470-40

Concentration of Bismuth-Traces From Metallic-Salt Solutions by Means of
Partial Precipitation of the Macro-Component as Phosphate

way from salt solutions of other metals which form phosphates
of low solubility. There are 1 table and 7 references, 6 of
which are Soviet.

ASSOCIATION: Kafedra obshchey i analiticheskoy khimii Cherkasskogo peda-
gogicheskogo instituta im. 300-letiya voosoyedineniya Ukrainy
s Rossiyei (Chair of General and Analytical Chemistry of the
Cherkassy Institute of Pedagogics imeni on the Occasion of the
Tercentenary of the Reunion of the Ukraine With Russia)

SUBMITTED: November 8, 1957

Card 3/3

SOV/156-58-2-28/48

Concentration of Bismuth-Traces From Metallic-Salt Solutions by Means of
Partial Precipitation of the Macro-Component as Phosphate

of the methods described in references 4, 5, and 6 that a quantitative co-precipitation of bismuth can be obtained with a partial precipitation of copper: a) by increasing the share of the macro-component in the deposit; b) by means of fractionation; c) by increasing the relation between the L_p -values of both the macro- and micro-component; a suitable precipitator must be selected for this purpose. The authors selected the last method c) and used sodium phosphate for this purpose. Moreover, they partially precipitated the macro-component from the concentrate in order to reduce its quantity in the deposit. Bismuth was photometrically recorded as a complex compound with thiourea. The tests have shown that the co-precipitation of bismuth is in the same way effective when precipitating the macro-component as phosphate or by introducing it readily prepared. The extraction of bismuth from solutions by means of prepared metallic phosphate deposits can be used for purifying the salts of the same metals of bismuth-impurities. The above bismuth-concentration was used by the authors for isolating copper, magnesium, and mixtures of copper and zinc from salt solutions. Bismuth apparently can be concentrated in the same

Card 2/3

SOV/156-58-2-28/28

AUTHORS: Chuyko, V. T., Mamenko, A. U., Todorov, I. A.

TITLE: Concentration of Bismuth-Traces From Metallic-Salt Solutions by Means of Partial Precipitation of the Macro-Component as Phosphate (Kontsentrirvaniye sledov vismuta iz rastvorov soley metallov putem chastichnogo osazhdeniya makrokomponenta v vide fosfata)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp. 317-319 (USSR)

ABSTRACT: The determination of bismuth-traces in metals where they often are an undesirable impurity, is usually carried out according to the concentration by means of carrying down the salts of these metals into the deposit of the solution. Ferric hydroxide, manganese dioxide, metallic sulfides and others are used as bismuth-collectors (Ref 1). The use of these collectors involves either the separation of bismuth from the collector or a regulation of the pH-value of the solution. It is simpler to concentrate bismuth - as indicated in the title - if **small quantities of the macrocomponent do not prevent the photometric separation of bismuth.** It follows from a comparison

Card 1/3

GHUYKO, V.F.; MAMENKO, A.U.

Concentration of copper traces by means of organic reagents. Zhur.
anal.khim. 11 no.3:332-336 My-Je 1956. (MLRA 9:8)

1. Cherkasskiy pedagogicheskiy institut.
(Copper) (Chemical tests and reagents)

MAMENKO, A.U.; CHUYKO, V.T.

Coprecipitation of copper traces with the 8-hydroxyquinolates of
some metals. Nauk. zap. ChDPI 8:109-112 '56. (MIRA 11:2)
(Copper) (Quinolinic acid) (Chemistry, Analytic--Quantitative)

MAMENKO, A.U.

Collections as visual aids in teaching chemistry in secondary schools. Nauk. zap. ChDPI 8:19-22 '56. (MIRA 11:2)
(Chemistry--Study and teaching)
(Visual aids)

L 16724-66 INT(m) DIAAP

ACC NR: AP6008460

SOURCE CODE: UR/0089/65/019/005/0459/0460

AUTHOR: Grishanin, Ye. I.; Kukavadze, G. M.; Lependin, V. I.; Mamslova, L. Ya.;
Morozov, I. G.; Orlov, V. V.; Pilipts, D. T.

ORG: none

TITLE: Measurement of the absorption cross section of sup ^{156}Gd

SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 459-460

TOPIC TAGS: gadolinium, neutron cross section, thermal neutron, neutron irradiation, mass spectrometer, neutron spectrum, nuclear reactor, neutron

ABSTRACT: Samples of gadolinium oxide were irradiated in a reactor with thermal neutrons to various integral fluxes. The thermal-neutron absorption cross section of ^{156}Gd was determined from the values of the ^{156}Gd and ^{157}Gd concentrations in the irradiated samples, measured on a mass spectrometer, and the value of the ^{157}Gd absorption cross section, obtained by averaging the cross section from resonance parameters over the neutron spectrum of the reactor. The cross section for 0.025-eV neutrons was found to be 13 ± 3 barns. [NA]

SUB CODE: 18, 20 / SUBM DATE: 02Apr65 / OTH REF: 003

Card 1/1

45
8

79

2

MAMEKOV, G.

Automotive transportation of the Virgin Territory. Avt.transp.
39 no.3:4-5 Mr '61. (MIRA 14:3)

1. Zamestitel' ministra avtomobil'nogo transporta Kazakhskoy SSR.
(Virgin Territory--Transportation, Automotive)

MAMEKOV, Gabiden Khozhgaliyevich; TSVETKOVA, V.A., red.; GALAKTIONOVA, Ye.N.,
tekh. red.

[Automotive transportation in Kazakhstan during the last 40 years]
Avtomobil'nyi transport Kazakhstana za 40 let. Moskva, Nauchno-
tekh. izd-vo M-va avtomobil'nogo tranporta i shosseinykh dorog
RSFSR, 1961. 42 p. (MIRA 14:10)
(Kazakhstan--Transportation, Automotive)

MAMEKOV, G.

Development of automotive transportation in Kazakhstan. Avt.transp.
38 no.10:1-3 0 '60. (MIRA 13:10)

1. Zamestitel' ministra avtomobil'nogo transporta Kazakhskoy SSR.
(Kazakhstan--Transportation, Automotive)

MAMEKOV, G.

Highway transport workers of Kazakhstan are bringing in more
grain. 37 no.12:1-2 D '59. (MIRA 13:3)

1. Zamestitel' ministra avtomobil'nogo transporta Kazakhskoy SSR.
(Kazakhstan--Grain--Transportation)

1. MAMEKIN, Ye. K., Eng.
2. USSR (600)
4. Pipe Fitting
7. Stekhanovite fixtures and mechines for pipe fitting. Biul. stroi. tekhn. 10, No. 7, 1953.

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

USOV, G.; MAMEKIN, Ye.

Specialization and industrialization are the main problems of
sanitary engineering. Na stroi.Ros. 6 no.2:13-14 F '65.
(MIRA 1961)

1. Upravlyayushchiy trestom TSentrosantekhmontazh No.1 (for Usov).
2. Glavnyy inzh. tresta TSentrosantekhmontazh No.1 (for Mamekin).

124-1957-1-459

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 58 (USSR)

AUTHOR: Mamedzade, Yu. I.

TITLE: On the Terminology and Designations of State in Hydraulics (O terminologii i uslovnykh. oboznacheniyakh po gidravlike)

PERIODICAL: Tr. Azerb. Industriin-ta, 1956, Nr 12, pp 162-165

ABSTRACT: Bibliographic entry

1. Hydraulics--Terminology 2. Hydraulics--Designations

Card 1/1

MAMEDZADE, Yu.I., detsent.

Terms pertaining to hydraulic machinery and underground hydraulics.
Trudy Azerb. ind. inst. no.7:165-169 '54. (MIRA 9:9)
(Russian language--Dictionaries--Azerbaijani)

MAMED-ZADE, U. A., LENCHITSKIY, A. Z., MAKAROV, N. I., AKHUNDOV, M. G.,
KARPUSHEVA, V. M.

"The plague with a natural focus in Azerbaidzhan and its preventive
treatment." p. 247

Desyatoye Soveshchaniye po parazitologicheskim problemam i
prirodnoclagov m boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with "atural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 254pp.

Azerbaidzhan Anti plague Station/Baku and the
Anti plague Inst. of the Caucasus and Transcaucasus/Stavropol'

L 26680-66

ACU NR: AP6007177

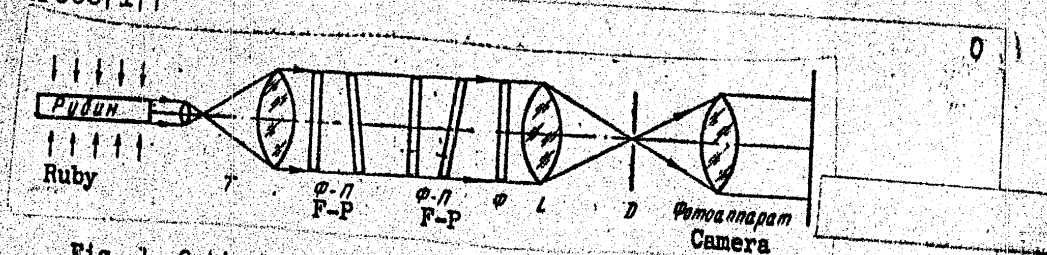


Fig. 1. Optical diagram of setup with wedge multiplex-interferometer

monochromatic components from its radiation as well as from the radiation of a mercury lamp. The ruby-laser radiation components were separated both in the case when the resonator was made up of the mirror end faces of the crystal ruby itself (from the continuous spectrum) and when the mirror was made up of surfaces of specially prepared glass cylinders (line spectrum). A check has shown that the separated component does not contain extraneous frequencies and it is concluded that the procedure described is suitable for the separation of monochromatic radiation from either a continuous or a line spectrum.

Orig. art. has: 6 figures and 2 formulas.
 SUB CODE: 20/ SUEM DATE: 31Oct64/ ORIG REF: 006/
 Card 2/2 B.L.G.

L 26680-66 FBD/EWT(l)/EWT(m)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WH/WG

ACC NR: AP6007177

SOURCE CODE: UR/0188/66/000/001/0105/0109

AUTHORS: Korolev, F. A.; Mamedzade, S. M.

66
B

ORG: Department of Optics, MGU (Kafedra optiki MGU)

TITLE: Separation of monochromatic ruby laser radiation with the aid of a wedge shaped multiplex interferometer with 'opposing dispersion'

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 1, 1966, 105-109

TOPIC TAGS: ruby laser, laser radiation, spectrum analysis, line spectrum, continuous spectrum, *interferometer, emission spectrum*

ABSTRACT: The wedgelike multiplex interferometer with 'opposing dispersion' was originally described by one of the authors (Korolev, Vestn. Mosk. un-ta no. 8, 101, 1953) and consists of two simple Fabry-Perot interferometers in tandem. The method of separating a radiation component by means of such a system (Fig. 1) is explained and its theoretical basis and operation are briefly described. It was used to investigate the emission spectrum from a ruby laser and to separate

Card 1/2

UDC: 535.854:621.378.325.0014

2

L 15796-66
ACC NR: AP6004422

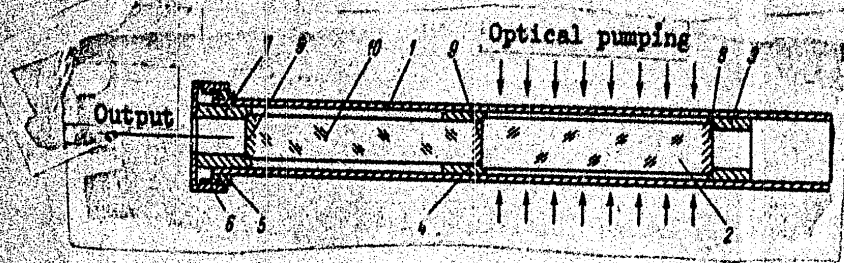


Fig. 1. Ruby laser with multiplex resonator

- 1 - Glass tube; 2 - ruby crystal; 3,4,7 - metal holders;
- 5 - threaded ring; 6 - coupling nut; 8 - reflecting surface with zero transmission; 9 - reflecting surface with 6% transmission; 10 - glass rod.

even narrower, $8 \times 10^{-3} \text{ cm}^{-1}$. The width could be further reduced by suitable choice of the extinction factor and by stabilizing the ruby temperature. Orig. art. has: 2 figures and 1 formula.

[02]

SUB CODE: 20/ SUBM DATE: 19May65/ ORIG REF: 004/ ATD PRESS: 4201

Card 212 *MPS*

L 15796-66 FBD/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(k)/EWA(h)/EWP(e) SCTB/IJP(c) WG/WH
 ACC NR: AP6004422 SOURCE CODE: UR/0051/66/020/001/0178/0180

AUTHOR: Mamedzade, S. M. 55

ORG: none

TITLE: Monochromatization of the emission of a ¹⁵ruby laser with a complex resonator

SOURCE: Optika i spektroskopiya, v. 20, no. 1, 1966, 178-180^{25,44}

TOPIC TAGS: ruby laser, laser optics, monochromatic radiation, cavity resonator, *laser*

ABSTRACT: *beam laser emission, multibeam interferometer*
 The principle of the multiplex optical filter (multiplex resonator) with almost equal effective components, first proposed by F. A. Korolev (Vestn. MGU ser. fiz., no. 3, 97, 1958), was used by the author to excite a monochromatic beam from a ruby laser with multiplex resonator (Fig. 1), described by the author elsewhere (Izv. AN Azerb. SSR ser. fiz., no. 3, 135, 1964). The laser emission was measured with a wedge-type multiple-ray interferometer, also described by the author (with F. A. Korolev, Vest. MGU ser. fiz., no. 2, 35, 1965). All measurements were made at room temperature. The results show that as the result of complete extinction of the bands of both resonators, the laser emits only one wavelength, all the remaining components being suppressed. Less complete extinction of the bands resulted in emission at two wavelengths, with the distance between the spectral components a multiple of the magnitude of the dispersion region of the resonator, corresponding to the optical length of the glass rod. The use of the multiplex resonator reduces the laser emission band width from approximately 1 cm^{-1} to $5 \times 10^{-2} \text{ cm}^{-1}$. The individual spectral components observed in the case of partial extinction of the excessive transmission bands were

Card 1/2

UDC: 621.375.9 : 535

KOROLEV, F.A.; MAMEDZADE, S.M.

Narrowing of the emission band of a ruby laser with a complex resonator. Vest. Mosk. un. Ser. 3: Fiz., astron. 20 no.5:91-92 S-0 '65. (MIRA 18:11)

1. Kafedra optiki Moskovskogo universiteta. Submitted February 25, 1965.

1. Introduction

ACROSS SECTION: 175/1540

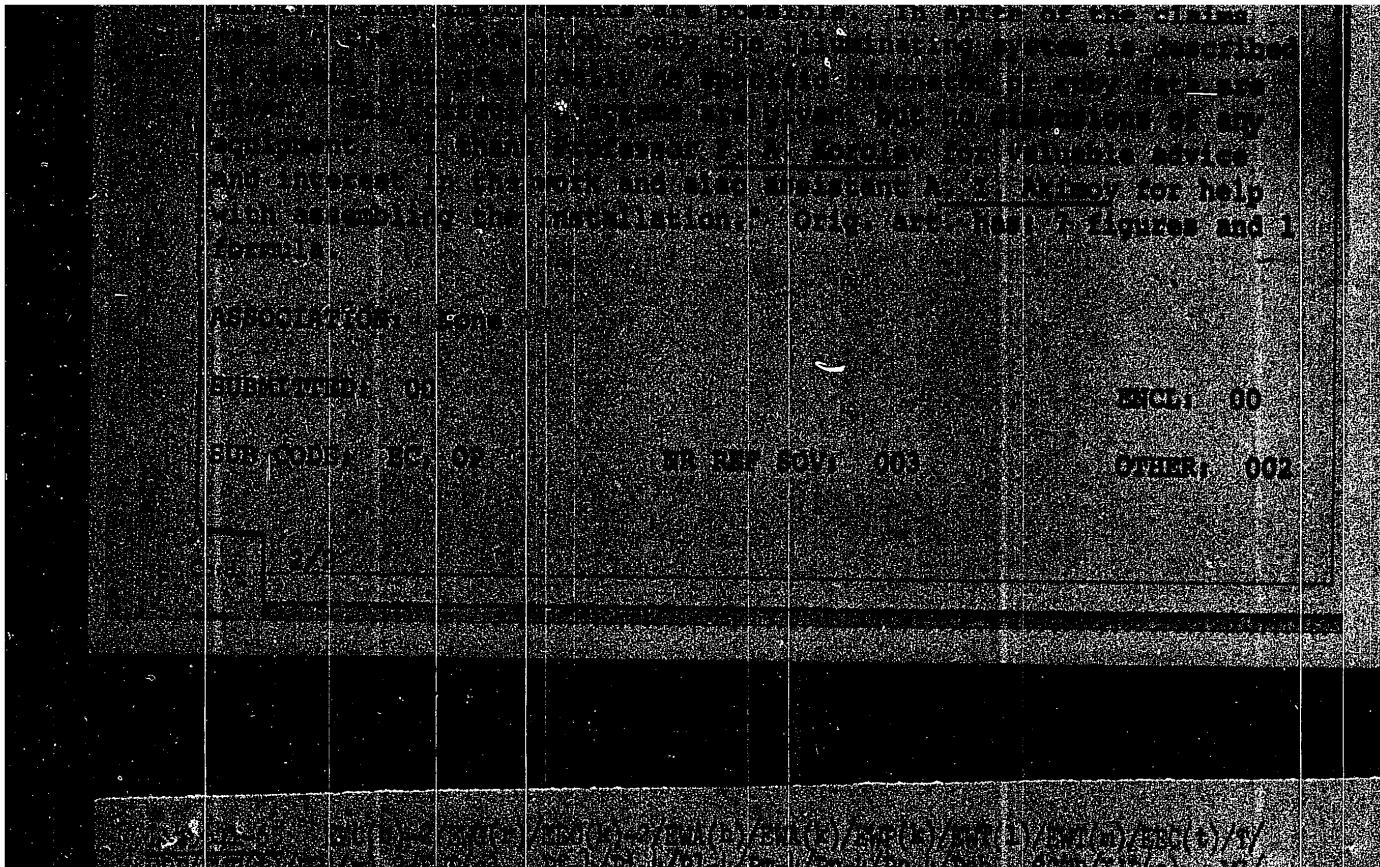
points. The observations were made by means of cameras using A-710
 1150 mm focal length. The ruby crystal was 11.8 mm in diameter and 20 mm
 long. The resonator consisted of two external dielectric mirrors
 mounted in a cylindrical holder. The transmissivity of one mirror was 17%
 and the other was 2%. The coefficient of reflection of
 the mirrors was 93% and 98% for the wavelength under in-
 vestigation. The experiments were conducted when the pumping energy
 density was 0.5 J/cm². The experimental data show that
 the spectral composition of stimulated emission from a ruby depends on
 the structure of the resonator. Thus, spectral lines obtained at
 various distances of a V-shaped crossed multiplex (viz., 2, 3 and 4 mm,
 20, 30 and 40 mm, and 30 mm) were separated by 0.024, 0.023, and
 0.023 nm, respectively. These dispersions corresponded to resonators
 with lengths of 20.0, 23.12, and 62.12 cm, respectively. Orig. aut.
 ref. N 11988. [UK]

AS1001-1011, Keldysh Institute of Applied Mathematics, Moscow State University

SUBJECT: 175/1540
 No. 175/1540
 Class 175/1540

ENCL: 01
 OTHER: 008

SDR CODE: KC
 ATD PRESS: 324



ABSTRACT: This is claimed to be the first published detailed description of apparatus for the generation of coherent light using a solid active medium. A ruby laser operating at room temperature is described. The invention can operate also with other active media. The article is devoted to a detailed description of the invention and to some experimental procedures. The possibility of producing population level inversion is first discussed. The

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000005-6

optical pumping equipment, and the resonator are described in detail. It is pointed out that the apparatus described is not optimal and some improvements are possible. In spite of the claims made, the invention is not claimed to be the only one described.

SECRET

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001032000005-6

Attachment: Laser Pumping

Source: Journal of Applied Optics, Vol. 3, No. 3, 1964, 135-141

Topic TAGS: ruby laser, optical pumping, optical laser, laser material, laser, optics, laser pumping

Abstract: This is claimed to be the first published detailed description of apparatus for the generation of coherent light using a

MAMEDZADE, S.A.; RAKHMANINA, M.V.

Errors in the diagnosis of echinococcosis and their prevention.
Azerb. med. zhur. 41 no.2:11-18 F '64 (MIRA 18:1)

MAMED-ZADE, S.A., prof. (Baku); BAGDASAROV, N.Ye, kand. med. nauk (Baku)

Pathogenesis and treatment of amebiasis of the liver. Klin. med.
41 no.2:75-78 F'63 (MIRA 17:3)

1. Iz 1-y gospiatal'noy terapevticheskoy kliniki Azerbaydzhan-
skogo meditsinskogo instituta imeni N. Narimanova.

MAMED-ZADE, S.A.; BAKHTINA, M.K.

Hepatocholecystitis. Izv. AN Azerb. SSSR. Ser. biol. i med. nauk
no. 12:95-100 '61. (MIRA 17:5)

MAMEDZADE, S.A.

Evaluation of the therapeutic effect of intravenous introduction of penicillin in pulmonary suppurations on the basis of a study of the acid and base equilibrium, Azerb. med. zhur. no.7:13-18 J1 '63. (MIRA 17:1)

MAMEDZADE, S.A.; BAGDASAROV, N.Ye.

Materials on the etiopathogenesis and treatment of hepatic amebiasis.
Azerb. med. zhur. no. 3:19-25 Mr '61. (MIRA 14:4)
(AMEBIASIS) (LIVER--DISEASES)

MAMEDZADE, S.A.; BAGDASAROV, N.Ye.

Comparative evaluation of treatment for gastric and duodenal ulcer
and some peculiarities in their course. Azerb. med. zhur. no.11:
18-24 N '60. (MIRA 13:12)

(PEPTIC ULCER)

MAMEDZADE, S.A., prof.; IZRAILEVICH, E.Ya., laborant

Acid-base equilibrium in hepatocholecystitis. Azerb. med. zhur.
no.6:3-8 Je '60. (MIRA 14:1)

1. Iz 1-y kafedry gosptal'noy terapii (zav. - prof. S.A.Mamedzade)
Azgosmedinstituta im. N.Narimanova (direktor -zasluzhenny deyatel'
nauki, prof. B.A. Eyvazov.

(GALL BLADDER--DISEASES)
(ACID-BASE EQUILIBRIUM)

MAMED-ZADE, S.A.

Some rare complications of the Asian pandemic viral influenza.
Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 4:165-171 '60.

(MIRA 14:2)

(AZERBAIJAN--INFLUENZA)

MAMED-ZADE, S.A., prof.

Features of certain biochemical changes in hepatocholecystitis.
Azerb.med.zhur. no.6:77-80 Je '58 (MIRA 11:7)

1. Zaveduyushchiy kafedroy gosspital'noy terapii Azerbaydzhanaskogo meditsinskogo instituta imeni N.Narimanova.
(LIVER--DISEASES)
(GALL BLADDER--DISEASES)

MAMED-ZADE, S.A.		PROCESSES AND PROPERTIES INDEX	
ca		Blood cholesterol in malaria. S. A. Mamed-Zade. <i>Klin. Med. (U.S.S.R.)</i> 25, No. 10, 55-8(1947).—Hypercholesterolemia is observed in 73.8% of malarial cases, normal cholesterolemia in 23.8% of the cases, and hypocholesterolemia in 2.4%. The occurrence of hypercholesterolemia is greater in acute forms (86.3%) than in chronic cases (69.4%).	11-6
ASA-SCA METALLURGICAL LITERATURE CLASSIFICATION		E-277	
MATERIALS INDEX		REGIONAL INDEX	
OPEN		CLOSED	
GROUPS		GROUPS	
S		S	
T		T	
U		U	
V		V	
W		W	
X		X	
Y		Y	
Z		Z	
AA		AA	
AB		AB	
AC		AC	
AD		AD	
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IC		IC	
ID		ID	
IE		IE	
IF		IF	
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(Gunshot wounds) (Histology)

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ABASOV, E.A.

Unstable performance of turbodrills under great axial loads.
Azerb. neft. khoz. 41 no.6:12-15 Je '62. (MIRA 16:1)
(Turbodrills)

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spectively of the first and second color interference filters. The total width of the emission band from a ruby laser with multiplex resonator based on this principle is considerably less than that from a laser with a simple resonator due to stronger quenching of emission maxima at the common emission edge so that self-excitation does not take place for these maxima. Orig. art. has: 2 figures. [14]

ASSOCIATION: Kafedra optiki Moskovskogo gosudarstvennogo universitet (Optics Department, Moscow State University) *44*

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AUTHOR: Korolev, F. A.; ⁴⁴ Mamedzade, A. M. ⁴⁴

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TITLE: Narrowing the emission band of a ruby laser with a complex resonator

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 5, 1965, 91-92

TOPIC TAGS: ruby laser, laser, light interference, light filter, luminescence quenching

ABSTRACT: It is shown that multiple interference color filters made up of two single filters with nearly equal effective thicknesses can be used for narrowing the emission band in a ruby laser with a multiplex resonator. When the incident light is normal to the reflecting surfaces of the mirrors, fulfillment of the condition

$$\frac{n_2 h_2}{n_1 h_1} = m,$$

results in quenching of m excess emission maxima in each of the light filters, where $m=10$, n_1 , n_2 and h_1 , and h_2 are the indices of refraction and geometric thicknesses re-

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