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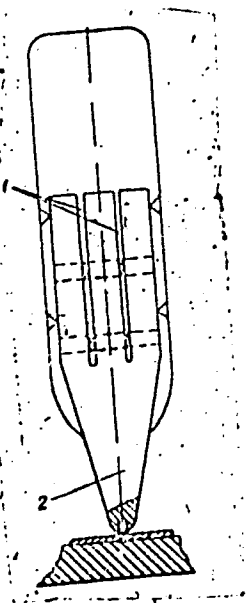


Fig. 1. Ultrasonic welding device

- 1 - Longitudinal slots;
- 2 - working tool.

SUB CODE: 13/ SUBM DATE: 11May65/
Card 2/2

L 42073-65 WW/JXT(CZ)
ACCESSION NR: AP5010965

UR/0286/65/000/007/0140/0140

AUTHORS: Ginin, V. N.; Glizburg, I. L.; Chernov, A. P.; Karmyshev, V. F.; Zotov,
B. I.

TITLE: Hydrodynamic ultrasonic emulsifier. Class 42, No. 169907

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 140

TOPIC TAGS: emulsifier, ultrasonic equipment (0)

ABSTRACT: This Author Certificate presents a hydrodynamic ultrasonic emulsifier consisting of a nozzle in the form of a slit and a resonance plate. To simplify obtaining finely divided emulsions from flammable and explosive components, the resonance plate is mounted in a nozzle-adapter in the form of an ejector (see Fig. 1 on the Enclosure). Orig. art. has: 1 diagram.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta po oboronnoy tekhnike SSSR
(Organization of the State Committee for Defense Technology, SSSR)

SUBMITTED: 18Jul64

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NO REF SOV: 000
Card 1/2

OTHER: 000

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Kichmen' ice cave. Peshchery no.3:15-23 '63.

(MIRA 18:2)

GINIS, R.P.

FUKS, M.I.; GINIS, R.P.

Tasks of the laboratory for analytical control. Apt. delo. 4 no.6:
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(PHARMACY,
laboratories for analytical control)

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Some geological data on Kiurovdag, the new oil field. Azerb.
neft.khoz. 36 no.8:5-8 Ag '57. (MIRA 10:11)
(Kura Lowland--Oil fields)

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Preliminary data on geological structure of the Kalmas area and its gas and oil potentials. Izv. vys. učeb. zav.; neft' i gaz no. 5:3-9 '58. (MIRA 11:8)

1. Azerbaydzhanskiy industrial'nyy institut im. M.Azizbekova i trest "Azorneftersavedka."

(Kazi-Magomed District--Petroleum geology)
(Kazi-Magomed District--Gas, Natural--Geology)

GINIS, Yu.B.

Changes in the sand content of the upper layers of the producing
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no.4:10-12 Ap '59. (MIRA 12:7)
(Kura Lowland--Sand)

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Distribution and source region of iodine-bromine waters in the
southeastern part of the Kura Lowland. Azerb.neft.khoz. 41
no.5:7-9 My '62. (MIRA 16:2)
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(Antimony--Analysis) (Lead-antimony alloys)
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BOGOMAZ, T.A., kand.med.nauk; GINK--LOKSHINA, R.A., kand.med.nauk;
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in infants. *Pediatrriia* 41 no.9:30-35 S '62. (MIRA 15:12)

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shchestva sodeystviya armii, aviatsii i flotu SSSR, Moscow
(Shooting)

GINKEN, S. (Moskva); AKIMOV, N. (Moskva); BERESLAVSKIY, S. (Moskva);
BULANOVICH, P. (Moskva); MAL'KIN, S. (Moskva); MARTYNOV, A. (Moskva);
CHISTYAKOV, R. (Moskva).

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2. Chlen komiteta pervichnoy organizatsii Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu (for Akimov, Bereslavskiy, Bulanovich, Mal'kin, Martynov).
3. Sekretar' komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi (for Chistyakov).
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(GUMS--DISEASES)

(BIOLOGICAL PRODUCTS)

FROLOV, Petr Terent'yevich, kand. tekhn. nauk, prof.; ~~GINKEVICH, Petr Stepanovich~~, kand. tekhn. nauk, dots.; YEFIMOV, Sergey Grigor'yevich, kand. tekhn. nauk, dots.; BAUMAN, V.A., retsenzent; SHADRIN, I.A., prof., retsenzent; DUBINSKIY, P.F., doktor tekhn. nauk, prof., retsenzent; MONAKHOV, I.G., dots., retsenzent; FIITSUKOV, M.A., dots., retsenzent; CHERNYAKOV, L.M., dots., retsenzent; ANDREYEV, B.K., dots., retsenzent; SHADRINA, G.N., dots., retsenzent; VAYNSON, A.A., nauchnyy red.; SHAROVA, Ye.A., red. izd-v4; VORONINA, R.K., tekhn. red.

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299 p.

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Bauman). 2. Kafedra stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Dubinskiy, Monakhv, Fiitsukov, Chernyakov, Andreyev, Shadrina). 3. Zaveduyushchiy kafedroy stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Shadrin).

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DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
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Г. Г. Гинкин
О возможности управления частотой амплитуды

А. В. Мозабова

Структурные формулы электромагнитных полей

10 СЕКЦИЯ ПЕРЕДАЮЩИХ УСТРОЙСТВ

Руководитель М. С. Вайнов

9 июня
(с 10 до 16 часов)

М. С. Вайнов

О некоторых условиях выбора режима работы широкополосных устройств

В. В. Малков

И. В. Павлов

Теоретические и экспериментальные разработки по проблеме устойчивости широкополосных устройств 100 мк с применением КДД СВЧ.

В. И. Рогозин

Метод помеховой защиты в средах с частотной селекцией сигнала

В

9 июня
(с 16 до 22 часов)

Ю. В. Боголюбов

Анализ режима работы передатчика при амплитудной модуляции с помощью расчетных графиков

Е. П. Карголин

Об устойчивости стационарного режима генератора с контуром между анодом и сеткой

В. И. Аношин

Сопоставление между уровнями фона разномодулированных устройств и уровнями пульсаций питающего напряжения

11 июня
(с 10 до 16 часов)

С. И. Елизаров

Датумные датчики частоты

Б. В. Турчинов

Нормы радиочастот с частотной селекцией сигнала

И

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications in A. S. Popov (VSEK), Moscow, 8-12 June, 1959

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(Decibels)

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2. USSR (600)
4. Tractors - Repairing
7. Unit method of repairing tractors at the Gromovskaya Machine Tractor Station.
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(Bibliography--Agricultural machinery) (MIRA 12:4)

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G.M. GIN

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1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii
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(Cultivators) (Fertilizer spreaders) (Herbicides)

GIN'KO, G.M.

Shellers for threshing seed corn ears. Mul.tekh.-ekon.inform.
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(Threshing machines)

GINKO, S. S.

PA 15/49746

USSR/Electricity
Hydroelectric Plants

Jul 48

"Review of 'Small Hydroelectric Power Plants of the
Karelian Isthmus,' A. A. Korolev," S. S. Ginko, Cand
Tech Sci, 3/4 p

"Gidrotekh Stroi" No 7

In spite of several defects, book contains much
useful data. Published by Gosenergoizdat, Lenin-
grad-Moscow, 1947, 4,000 copies.

15/49746

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CHAPSKIY, P.D., redaktor; VODOLAGINA, S.D., tekhnicheskiy redaktor.

[Research and surveying for the construction of rural hydro-
electric power stations] Obsledovaniia i izyskania dlia stroi-
tel'stva sel'skikh GES. Pod red. V.P. Khashchinskogo. Moskva,
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GINKO, Sergey Sergeyevich; ZVORYKIN, K.A., redaktor; SHATILINA, M.K.,
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[Water power resources of the U.S.S.R.; their investigation
and utilization] Vodnoenergeticheskie bogatstva SSSR; ikh izu-
chenie i ispel'zovanie. Leningrad, Gidrometeorologicheskoe izd-
vo, 1955. 195 p. (Hydroelectric power) (MLRA 9:6)

GINKO, S.S.

File 484. WATER POWER RESOURCES OF THE U.S.S.R.: Ginko, S.S. (U.S.S.R.):
rev. in Met. i Gidrol. (Met & Hydrol., Moscow), 1966, (9), 59, 60.

14(6); 8(6)

PHASE I BOOK EXPLOITATION

SOV/2877

Ginko, Sergey Sergeevich

Osnovy gidrotekhniki (Principles of Hydraulic Engineering)
Leningrad, Gidrometeoizdat, 1958. 362 p. Errata slip inserted.
5,000 copies printed.

Resp. Ed.: K. Ye. Ivanov; Ed.: M. K. Shatilina; Tech. Ed.: M. Ya
Flaum.

PURPOSE: This book is intended for hydrologists, hydraulic
engineers, and construction engineers. It may serve as a text-
book on hydraulic engineering.

COVERAGE: The book treats various hydraulic engineering problems.
River transport and navigation, water power installations,
irrigation projects, water supply, sewerage, installations in the
fishing industry, bridge construction, and general hydrologic
questions are discussed. The author thanks hydraulic engineer
K. Ye. Ivanov, Doctor of Geographical Sciences, and A. A. Gromova,
instructor at the Khar'kov Hydrometeorological Tekhnikum. He

Card 1/9

Principles of Hydraulic (Cont.)

SOV/2877

further thanks S. V. Nerpin, Doctor of Technical Sciences, for the use of materials incorporated in the text. There are 13 Soviet references.

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AVAILABLE: Library of Congress (TC145.G5)

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1-25-60

GINKO, Tadusz

Intraarterial blood transfusion in cases of shock. Polski tygod.
lek. 10 no.5:137-141 1 Feb 55.

1. Z I. klin. chirurg. Sl. A.M.w Zabrze; kier. prof. dr. med.
J.Gasinski.

(BLOOD TRANSFUSION, administration
intra-arterial in shock)

(SHOCK, therapy
blood transfusion, intra-arterial)

POLAND/Human and Animal Physiology. Blood.

V

Abs Jour: Ref Zhur-Biol., No 6, 1958, 26788.

Author : Tadeusz Ginko

Inst : ~~Polish Academy of Sciences~~

Title : The Saturation of Preserved Blood With Oxygen.

Orig Pub: Polski tygodn. lekar., 1955, 10, No 7, 197-199.

Abstract: An apparatus for saturating blood with O_2 is described. Saturation for a 30 minute period increased the content of HbO_2 in preserved blood up to 90-98% of the total Hb content. Until 39 days from the moment the blood was taken, the capacity of the Hb to combine with O_2 did not diminish. The O_2 content of oxygenated blood remained for a period of 10 days at a level corresponding to the O_2 content of

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POLAND/Human and Animal Physiology. Blood.

v

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26788/

arterial blood. Such preserved oxygenated blood is employed in grave postoperative states and in shock.

Card : 2/2

USSR/Human and Animal Physiology. Blood.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26792.

the period following the transfusion. The childrens' weights increased considerably more rapidly than before the transfusion, and in a number of cases weight recovery began only after the transfusion. The general condition of the child improved, its motor activity increased, as did the strength of the sucking reflex. Among infants with pulmonary atelectasis, decrease and cessation of attacks of asphyxia were observed. Electroencephalographi examination of all of the children showed an increase in the tonus of the cortex, augmentation of its bioelectric activity and the appearance of slow waves, all of which attest to an improved clinical conditon. The author recommends the introduction of the method

Card : 2/3

FRCZKOWSKIA, Marian; GINKO, Tadeusz; PAWLIK, Alfred

Lytic cocktail in post-traumatic shock. Polski tygod. lek. 14 no.7:
303-306 16 Feb 59.

1. Z II Kliniki Chirurgicznej Sl. Akademii Medycznej; kierownik: prof.
dr Jozef Gasinski. Adres: Zabrze, ul. 3 maja 13, II Kl. Chir. Sl. A.W.
(HIBERNATION, ARTIFICIAL, in various dis.
post-traum. shock (Pol))
(SHOCK, ther.
artif. hibernation in post-traum. shock (Pol))

.....GINKO, Tadeusz: WOLANSKI, Adam

Unusual complication during the course of acute pancreatitis. Polski tygod. lek. 14 no.32:1490-1492 10 Aug 59.

1. (Z II Kliniki Chirurgicznej Sl. A. M; kierownik - prof. dr J. Gasinski i z I Kliniki Chorob Wewnętrznych Sl. A. M.: kierownik - prof. dr J. Japa).
(PANCREATITIS, compl.)

GINKO, Tadeusz; ADAMCZYK, Roman; SADLINSKI, Czeslaw; ORLOW, Tadeusz;
HUCZCZKA, Maciej

Home- and heteroplasty of the aorta by means of experimental
lyophilized grafts. Polski przegl.chir. 31 no.11:1169-1175
N '59.

1. Z II Kliniki Chirurgicznej Sl. A. M. w Zabrze Kierownik:
prof. dr J. Gasinski.
(AORTA transpl)

GINKO, Tadeusz; TOBIK, Stanislaw

ACTH in the local treatment of burns. Polski tygod. lek. 16 no.21:
811-813 22 My '61.

1. Z Instytutu Medycyny Pracy w Przemysle Weglowym i Hutniczym
w Zabrzcu-Rokitnicy; dyrektor: prof. dr Brunon Nowakowski i z II
Kliniki Chirurgicznej Sl. A.M.; kierownik: prof. dr Jozef Gasinski.

(CORTICOTROPIN ther) (BURNS ther)

SADLINSKI, Czeslaw; GINKO, Tadeusz; ORLOW, Tadeusz; MADEJSKI, Tadeusz;
ADAMCZYK, Roman

Obstruction of the great vessels treated with an alloplasty prosthesis. Polski przegl. chir. 33 no.2:113-118 '61.

1. Z II Kliniki Chirurgicznej Sl. AM w Zabrze Kierownik: prof.
dr J. Gasinski.

(BLOOD VESSELS surg)

GASINSKI, Jozef; GINKO, Tadeusz

Cancer of the stomach. Polski przegl. chir. 33 no.7/9:704-705. '61.

i. Z II Kliniki Chirurgicznej Sl. AM w Zabrze Kierownik: prof. dr.
J. Gasinski.

(STOMACH NEOPLASMS surg)

GINKO, Tadeusz; ORLOW, Tadeusz

ACTH and cortisone in the prevention of thyroid crisis.
Polski przegl. chir. 35 no.9:933-934 '63.

1. Z II Kliniki Chirurgicznej Sl. AM w Zabrze. Kierownik:
prof. dr. J.Gasinski.

*

GINKO, Tadeusz

Intrahepatic injection of hydrocortisone in a case of most
severe traumatic shock. Pol. tyg. lek. 19 no. 2:68 3s '64.

1. Z II Kliniki Chirurgicznej Sz. Akademii Medycznej w Zabrze
(kierownik: prof. dr Jozef Gasinski).

ALAMKIEWICZ, Kazimierz; GINKO, Tadeusz; GRZBIELA, Jacek; WIPCZOREK,
Miroslaw

Substitution of ureteral defects with autologous ureteral grafts.
Pol. przegl. chir. 36 no.4a:Suppl.:467-479 Ap '64.

1. Z II Kliniki Chirurgicznej Slaskiej Akademii Medycznej
w Zabrze (Kierownik: prof. dr J. Gasinski) i z Zakladu
Anatomii Patologicznej Sl. Akademii Medycznej w Zabrze
(Kierownik: prof. dr W. Niepolomski).

GINKO, Wlodzimierz, mgr inz.

-- The House of the Technician in Lublin has eased the proper development of the activities of the scientific and technical associations. Przegl techn 85 no.28:4 12 J1'64.

1. Chairman of the Voivodeship Contacts Committee of the Central Technical Organization, Lublin.

ZOBOV, Ye.V.; SHCHELKUNOVA, M.S.; BABANOVA, Zh.I.; CHAPURIN, V.I.; SHEMELEVA, V.A.;
DYUL'GER, T.B.; GINKU, A.I.

Anticorrosive coatings of the internal surfaces of tanks used for the
storage and processing of wine and juices; preliminary report. Trudy
MNIIPP 2:43-55 '62.

(MIRA 16:4)

(Wine and wine making—Equipment and supplies)
(Corrosion and anticorrosives)

07/00/02, D.C.

USSR/Cultivated Plants - Decorative.

M-8

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11118

Author : Ginkul, S.G.

Inst : _____

Title : The Japanese Maple, *Acer palmatum* Thunb., Its Variants and Garden Forms.

Orig Pub : Izv. Batumsk. botan. sada. AN GruzSSR, 1956, No 7, 33-65

Abstract : A description (with illustrations) is given of 27 garden forms of the *Acer palmatum* Thunb. which is little known in the Soviet subtropics but which is exceptionally decorative because of its own peculiar coloration and the extraordinary dissection of its leaves. These forms reproduce vegetatively since the desired qualities are not always transmitted through seed reproduction. The garden forms of the Japanese maple are recommended for wide use in the garden-park plantations of the Black Sea coast of Georgia. These forms, which are cultivated in the

Card 1/2

17

Abs Jour : Ref Zhur - Biol., No 3, 1958, 11118

Batumi Botanical Garden, can withstand low winter temperature, bear fruit regularly, and reproduce through

Card 2/2

ACCESSION NR: AP4000402

S/0294/63/001/001/0073/0084

AUTHORS: Kudryavtsev, Ye. M.; Ginnius, Ye. F.; Pechenov, A. N.;
Sobolev, N. N.

TITLE: Determination of the matrix element in the dipole moment of
electron transfers in the cyanogen violet spectrum. Part 1

SOURCE: Teplofizika vy*sokikh temperatur, v. 1, no. 1, 1963, 73-84

TOPIC TAGS: cyanogen, carbon monoxide, nitrogen, shock wave, high
temperature, radiative heat transfer, cyanogen spectrum, spectral
line reversal, spectroscopy, supersonic aerodynamics, violet band,
electron transfer, dipole moment, matrix element, absorption spec-
trum, radiative heat exchange, heat exchange, heat transfer, shock
wave heating, shock tube, violet band system, reflected shock wave

ABSTRACT: In view of the uncertainty in the value of $|R_e|^2$ (the
square of the electron transition dipole moment matrix element) for
Card 1/4

ACCESSION NR: AP4000402

the violet cyanogen spectrum, and in view of a recent development of a new method for determining this quantity in the Fizicheskiy institut im. P. N. Lebedeva AN SSSR (Physics Institute, AN SSSR) by measuring the absorption of light in gas behind a reflected shock wave, new measurements of $|R_e|^2$ have been set up by this method, with the CN radicals obtained by heating a mixture of CO and N₂ by a reflected shock wave. It was established that by transmitting pulsed light through a mixture of CO and N₂ heated to 5,000--7,000°K by the reflected shock wave, it is possible to register the absorption spectrum of the violet CN band system, and determine the value of $|R_e|^2$ of this system. To choose the optimal experimental condition and to obtain the data necessary for the data reduction, the states of the CO and N₂ mixture behind the reflected shock wave were calculated over a wide range of initial pressures (10--200 mm Hg) and of shock-wave velocities (2.0--5.6 km/sec). The temperature of the mixture

Card 2/4

ACCESSION NR: AP4000402

was measured by a generalized method of inversion relative to the CN bands, which was also used to monitor the fact that the CN concentration is in equilibrium. The shock tube employed was described by the authors previously (*Optika i spektroskopiya*, v. 8, 585, 761, 1960). It is concluded that the most suitable conditions for the described experiment are those with $T_5 \geq 4800^\circ\text{K}$ (i.e., $p_1 = 100, 50, 25$ mm Hg). The final results of the experiments will be reported in future articles. "In conclusion the authors are grateful to A. T. Matachun and L. L. Sabsovich for programming and solving the problem with the electronic computer, to A. A. Saprnov for developing the electronic apparatus, and to G. I. Dronova and I. M. Kholinov for help with the work." Orig. art. has: 9 figures, 2 formulas, and 1 table.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR
(Physics Institute AN SSSR)

Card 3/4

BLYUMBERG, I.B.; GINNO, N.A.

Study of ~~the~~ dependence of the nature of the kinetics of development on the duration of the process and on the thickness of the bordering layer. Trudy LIKI no.4:165-169 '56. (MLRA 10:5)

1.Kafedra obshchey fotografii i tekhnologii obrabotki kinofotomaterialov.

(Photography--Developing and developers)

GINODMAN, A.G.

Construction of conditional horizons in one of the regions in
Bashkiria. Geofiz.razv. no.14:24-32 '63. (MIRA 17:3)

GINODMAN, A.G.

Study of salt domes in the Caspian Lowland using elongated hodographs
of waves reflected from subsalt horizons. Razved. i prom. geofiz.
no.47:18-23 '63. (MIRA 16:8)
(Caspian Lowland--Salt domes) (Seismic prospecting)

GINODMAN, A.G.; MIRONOVA, L.V.

Way of applying corrections to hodographs of reflected waves.
Razved. i prom. geofiz. no.47:42-45 '63. (MIRA 16:8)
(Seismometry)

1. GINCEMAN, E.M.
2. USSR (600)
4. Paperboard
7. Stakhanovite methods of work in enterprises of the Main Paper Box Industry. Bum. prom. 27, no. 6, 1952.

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

GINODMAN, B.M.

RAVVIN, S.D.; GINODMAN, B.M.

Improving the organization of work norms and wages in municipal enterprises. *Gor. khoz. Mosk.* 32 no.4:33-35 Ap '58. (MIRA 11:4)

1. Nachal'nik Otdela truda i zarplaty Gorodskoy planovoy komissi (for Ravvin). 2. Starshiy inzhener Otdela truda i zarplaty Gorodskoy planovoy komissii (for Ginodman).

(Wages)

RAVVIN, S.M.; GINODMAN, B.M.

Precast concrete plants change to the seven-hour workday. Gor. khoz.
Mosk. 32 no.11:7-9 N '58. (MIRA 11:11)

1. Nachal'nik otдела truda i zarplaty Gorplana Mosgorispolkoma (for
Ravvin). 2. Starshiy inzhener otдела truda i zarplaty Gorplana Mosgor-
isnolkoma (for Ginodman).

(Hours of labor) (Moscow--Concrete plants)

RAVVIN, S.D.; GINODMAN, B.M.

Conversion to the seven-hour work day at machinery manufacturing and metalworking enterprises of the Executive Committee of the City of Moscow. Gor.khoz.Mosk. 33 no.11: 5-7 N '59. (MIRA 13:2)

1. Nachal'nik otdela truda i zarabotnoy platy Gorplana Mosgorispolkoma (for Ravvin). 2. Starshiy inzhener otdela truda i zarabotnoy platy Gorplana Mosgorispolkoma (for Ginodman).

(Moscow--Hours of labor)

GINODMAN, B.M.

New wage specifications for automotive transportation workers. Gor.
khoz. Mosk. 35 no.8:31-32 Ag '61. (MIRA 14:8)
(Transportation, Automotive) (Wages)

Ginsolman, G.

Better extraction of willow bark. M. Chaduk and G. Ginsolman. *Vestnik Kuznetsovsk. Prom. Torg.* 1930, 24:6; *Chem. Zentr.* 1932, 11, 3988. Comparative exper. on the extr. of willow bark were carried out according to the principle of uninterrupted circulation. Extns. were made with (1) pure Moscow tap water (10-12 Garmm degrees of hardness), (2) the same water with the addn. of 1.5-8.3% sulfite (added on the dry residu. of material which can be extr. with water) and (3) the same water with the addn. of 2% soda. App. and method are described, and results presented in tables and diagrams. The addn. of sulfite to the extn. water increases the yield of tanning materials, which reaches a max. with 0.5% sulfite.

M. G. Moore

ASM-51A METALLURGICAL LITERATURE CLASSIFICATION

Ginschman, G. M.

CA

29

Preparing tanning solutions from pine bark extracts. G. M. Ginschman. *Chimie Industriale*; *Koshrennoe Protovindno* 1931, No. 1, 31-2. - The yield of tanning substances increases with increase in the temp., the max. being at 90° in the first diffuser and 120° at the last diffuser and at a pressure of 2-2.5 atm., though the amount of insol. matter reaches 0.8 g. per l. of ext. Extn. in open diffusers at 90-95° yielded only 74.7% of tannins. Addn. of Na₂SO₃ or NaHSO₃ gave an addnl. 15.4-15.8% and the quality of the extract was slightly superior. A high extn. temp., although causing a higher yield of insol. material, permits a more rapid optn. of the latter. The yield of insol. material was 10% in 18 hrs. at room temp.; 8% on preliminary cooling to 8°. The yield of tannins in this case amounted to 1-1.5%. The ext. was cooled at 30-35°, 60-65° and 85-95° for 6 hrs. by heating the app. with steam. The exts. from pine bark did not have satisfactory tanning properties without sulfitation. A. A. Bochtlingk

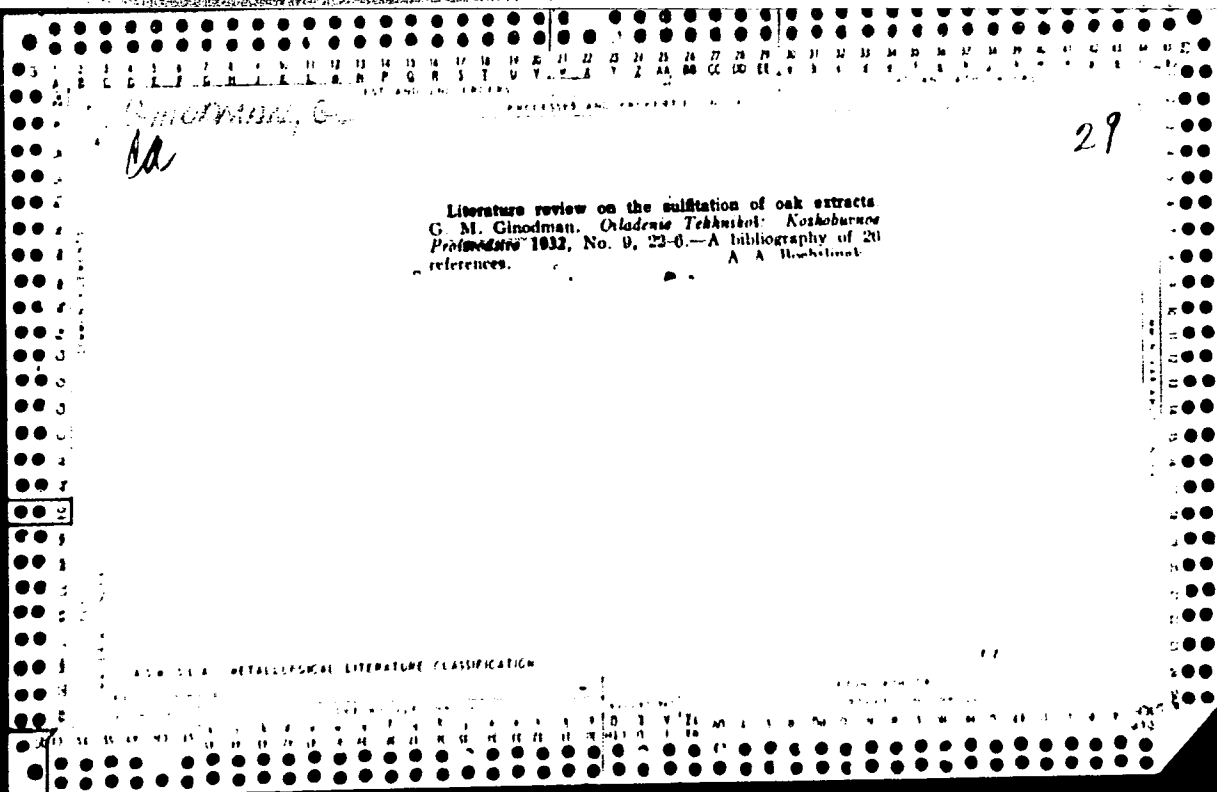
ASAC 55A METALLURGICAL LITERATURE CLASSIFICATION

Extraction of oak pulp. G. M. Goodman, *Dublinois Materials S. S. S. R., Textile. Nach.-Isledovatel. Inst. Koshovennoi Prom., Gosudar. Indstat. Legkol. Prom. No. 2, 11-14(1932).*—The best operating conditions for the extrn. of oak pulp are: (1) Temp. should be 85° in the head and 120° in the tail diffuser at a pressure of 2-2.5 atm. (2) The diffuser battery should contain 6-9 diffusers. (3) The extrn. should last 6 hrs. (4) The ext. should constitute 280-300% of the wt. of the air-dry shavings. Addnl. breaking up of the oak shavings after cutting in drums raises the tannin yield by 4.7%. A max. of 90% of the tannins present in the oak pulp can be recovered. The operations are described. An additional disintegration of the oak pulp in the "Schroder" disintegrating machine. G. M. Goodman and M. N. Kraukhin. *Ibid.* 25-8. —The operations of the "Schroder" disintegrator are described. Up to 4% more tannins can be recovered by using this app. Methods for a rational treatment of pine bark for the preparation of extracts and solutions. M. I. Khadzik and G. M. Goodman, *Ibid.* 44-60. —Satisfactory results were obtained under the following extrn. conditions in diffusers: (a) extrn. temp. in all diffusers (b) 90-5°, (c) duration of extrn. 10-12 hrs., yield 250% soln. (on the wt. of bark),

(c) ext. of 20-24%¹⁰, (d) sulfitation of the ext. with a mixt. of sulfite (1.5%) and bisulfite (4% of the wt. of the liquid ext.) during 10 hrs., and (e) duration of treatment with the sulfite 4 hrs. at 95° and with bisulfite 6 hrs. at 80-85°. The diffuser liquor had the following av. characteristics: gravity 3.3-3.9¹⁰, sol. matter 5.54-9.97, insol. matter 0.23-0.45, nontanning substances 2.84-3.13 and tannides 2.70-3.84; the exts. had correspondingly 6.9-20.5, 14.23-38.14, 0.46-1.92, 7.24-17.70 and 6.98-21.41. The pine ext. had after sulfitation correspondingly 23.3-24.9, 39.15-39.66, 0.44-0.55, 19.90-10.81 and 19.34-19.96. Tanning with pine extracts. A. N. Mikhailov. *Ibid.* 67-72. —In a lab. investigation pieces of leather were tanned with a mixt. of quebracho and oak ext. and with pine ext. The former yielded a completely tanned leather, while the latter produced a leather with black streaks which could not be removed in spite of a great variety of remedies applied. Micrological examination in an attempt to find a method for vat tanning with pine. R. Kocharov. *Ibid.* 73-9. —After tanning with a quebracho-oak soln. the collagen fascicules are friable and appear to be distributed close to one another, while the fibrillation is clearly visible. After tanning with pine solns. there is observed an intensive pptn. of tannides; tanning is very superficial, the tannides do not penetrate and dark streaks are formed; the collagen fascicules are dry and fibrillation is absent; interfascicular spaces are seen. In the exts. with NaCl dark streaks are absent, but the tannides have almost no

AS 0-51A METALLURGICAL LITERATURE CLASSIFICATION

12001 53703319	521003 417 017 042	521003 417 017 042	521003 417 017 042
12003 02	521003 417 017 042	521003 417 017 042	521003 417 017 042



G. M. Glodman, G.
GA

29

Literature review on the sulfitation of oak extracts
G. M. Glodman. *Okladenie Tekhnicheskoi Koshobarneni*
Protsessirovaniia 1932, No. 9, 22-6.—A bibliography of 20
references. A A Washburn

ASAC 514 METALLURGICAL LITERATURE CLASSIFICATION

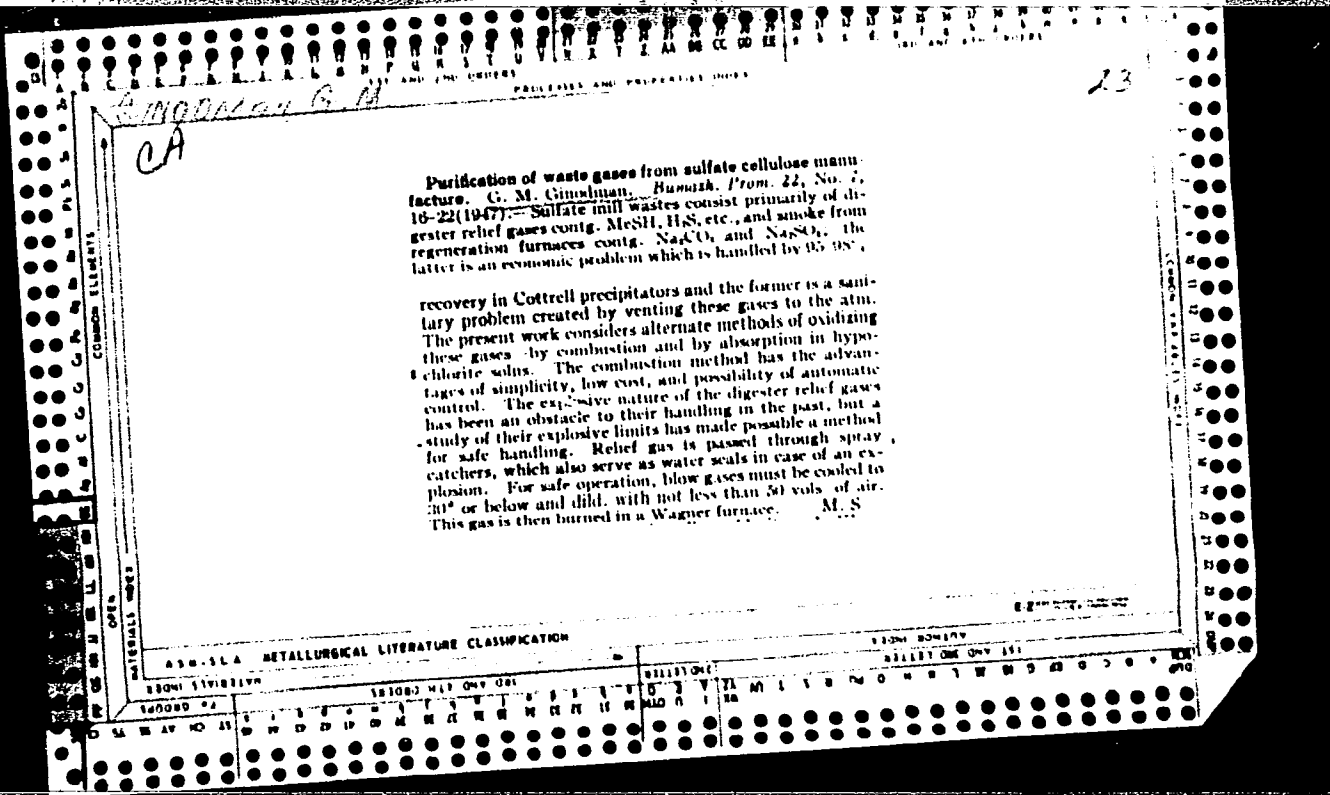
PROCESSES AND PROPERTIES INDEX

18

CA

Purification of burner gas and sulfur losses in the acid division of the Archangel combine. G. M. Gindman. *Russkaya Prom.* 21, No. 5/6, 20-4 (1946). Lumps of S are burned in a rotary burner of 5 cu. m. capacity. Burner gases mixed with air are passed through a chamber for completion of the burning. The gases are then directed through a refractory-lined water-sprayed scrubber, where they are cooled to 300-50°. Thence the gases pass through an acid proof, brick-lined tower, packed to 1/2 of its height with 100- μ m. Raschig rings. In this tower, irrigated with circulating weak H₂SO₄, the gases are cooled to 30-5° or lower. Also in this tower the gas is freed of dust, 50.4% of its SO₂ vapors, 50.4% of its As₂O₃, 57.6% of its Se and some sublimed S. The cooled and partly purified gas is passed through an elec. filter, which completes removal of original SO₂ to the extent of 99.95%, As₂O₃ to 99.93%, Se to 100%; sublimed S is not removed as nearly completely as the other impurities. Complete burning of S could be insured by properly regulating the quantities of S and air in the burner. Of the S charged into the burner, 8.2-10.6% is lost; 6.2-8.4% of this could be saved if proper control instruments were installed. Per 100 tons of S there are As₂O₃ 400 and Se 40 kg. As₂O₃ must be disposed of to prevent water pollution. The Se is recovered for use in the electrochem. industry. M. Hosh

ASS-31A METALLURGICAL LITERATURE CLASSIFICATION



GINODMAN, G. M.

PA 26/49T75

USSR/Medicine - Industry and Occupations, Jul 48
Hygiene
Medicine - Hygiene and Sanitation

"Problem of Purifying Waste Gas in the Sulfate-
Cellulose Industry," G. M. Ginodman, 3 $\frac{1}{2}$ pp"

"Gig i San" No 7

Discloses methods of purifying waste gas in the
sulfate-cellulose industry, and the sanitation
and economic objectives. Describes especially
effective method: the treatment of gas with
alkaline substances and chlorine (or bleaching
powder).

26/49T75

GINODMAN, G.M.

Purifying exhaust gases and ventilation air containing mercury vapors.
(In: Russia (1923- U.S.S.R.) Vsesoyuznaya gosudarstvennaya sanitarnaya
inspektsiya. Ochistka promyshlennykh vybrosov v atmosferu. 1953, p.109-132)
(MLRA 7:1)

1. Nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy
ochistke gazov Ministerstva khimicheskoy promyshlennosti.
(Air--Purification)

GINODMAN, G.M.

Purifying exhaust gases and ventilation air of hydrogen sulfide.
(In: Russia (1923- U.S.S.R.) Vsesoyuznaya gosudarstvennaya sanitarnaya inspektsiya. Ochistka promyshlennykh vybrosov v atmosferu. 1953, p.142-156) (MLBA 7:1)

1. Nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy ochistke gazov Ministerstva khimicheskoy promyshlennosti.
(Air--Purification)

AUTHOR: ~~Ginodman~~, G.M.

SOV/136-58-12-8/22

TITLE: Modern Methods of Removing Mercury Vapour from Waste-gases Ventilation Discharges (Sovremennyye metody ochistki otkhodyashchikh gazov i ventilyatsionnykh vybrosov ot parov rtuti)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 12, pp 31 - 37 (USSR)

ABSTRACT: The author mentions that heavy losses of mercury due to its appreciable vapour pressure occur in industrial waste gases, leading to financial loss and danger to health. To avoid this, steps are being taken to reduce mercury evolution and also to make more use of methods of removing it from waste gases and ventilation air. The author describes three such methods, available to the Soviet industry, which remove more than 95% of the element from the gas to give a concentrated product which can be roasted mixed with mercury ore. The most widely used method (dry pyrolusite) is based on the ability of crushed manganese ore to absorb mercury vapour from gases at 5 - 50 °C, under 85% of relative humidity and containing less than 0.5 and 0.3 g of sulphur dioxide and dust, respectively, per m³. The reagent can be regenerated many times. The author describes an installation (Figure 1) for dealing with dusty and SO₂-containing gas

Card 1/3

SOV/136-58-12-8/22

Modern Methods of Removing Mercury Vapour from Waste-gases Ventilation Discharges

and gives operating details and some results (Table 1) obtained at a mercury works in dealing with gases at about 4 000 nm³/hour and in reagent regeneration. The author next describes the selective gaseous chlorine method: at relative moisture of the gases of 85% or less chlorine reacts selectively with mercury vapour. In the plant (Figure 2) the chlorine (0.45 kg/1 000 m³ of treated gases) is added from cylinders, the mixture passing through a coke-filled vessel and then a scrubber. Good results have been obtained by this method on an experimental (Table 3) and experimental-production (capacity 7 000 nm³ gases/hour) (Table 4) installations. Although the method is effective and gives products from which SO₂ and mercury are convenient to remove, the use of chlorine has disadvantages. Finally, the author deals with the use of activated carbons, whose preparation he has described in "Cleaning of Industrial Discharges to the Atmosphere", Medgiz., 1953. He states that only chlorinated carbon is available in sufficient quantity and that the method is limited to gases with relative

Card 2/3

SOV/136-58-12-8/22

Modern Methods of Removing Mercury Vapour from Waste-gases Ventilation Discharges

humidities not exceeding 75%. Layer thicknesses of 400 - 500 mm and gas velocities and temperature of 0.2 m/sec and 5-40 °C are recommended and the author describes a suitable multi-layer filter with central discharge of spent absorbent. The method is highly effective, simple and economic in manpower. The author gives some results obtained with type "BAU" activated carbon, unchlorinated and chlorinated (Table 5) showing the superiority of the latter. There are 3 figures, 5 tables and 2 Soviet references.

Card 3/3

80972

S/136/60/000/07/012/024
E193/E283

1P.3100

AUTHORS: Ginodman, G. M., and Tokmadzhyan, G. S. ✓

TITLE: Gas Absorption and Regeneration of Cryolite in the
Production of Aluminium

PERIODICAL: Tsvetnyye metally, 1960, Nr 7, pp 51-58 (USSR)

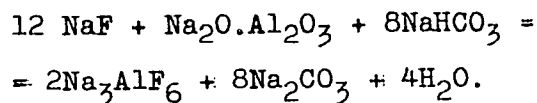
ABSTRACT: A plant for purification of waste gases, obtained during the electrolytic production of aluminium, first of this kind to be built in the Soviet Union, was erected at the Kanakerski Aluminium Plant in 1957. The present paper gives a detailed description of the construction and operation of this plant, designed to treat 1 300 000 m³ of the waste gases per h. Four axial-flow pumps are used to force the waste gases through a water-jet scrubber, constructed in the form of an annulus (outside diameter 25 m, inside diameter 12 m), divided by vertical walls into four equal segments, each of which can be operated individually. The scrubber, in which a solution of soda ash is used, is operating under the following conditions: gas flow rate $\bar{v} = 1.03$ m/sec; consumption of the soda ash solution - 9.4 m³/m² h; concentration of soda ash in the solution - 4%; time

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S/136/60/000/07/012/024⁸⁰⁹⁷²
E193/E283

Gas Absorption and Regeneration of Cryolite in the Production of Aluminium

during which the gases are in contact with the water spray - 0.8 sec; the temperature of the gases at the entry and at the exit side of the scrubber - 65 to 75 and 24 to 29°C, respectively; relative humidity of the gases - 7 to 9 before, and 93 to 96% after passing through the scrubber. When, after being recirculated for some time, the soda ash solution becomes enriched in the NaF, NaHCO₃ and Na₂SO₄, it is diverted to the regeneration plant for recovery of cryolite. The bicarbonate method due to Labutin, Ivanov, and Morozov, is used for this purpose, cryolite being formed as a result of the following reaction:



The obtained product contains 37 - 46% F, 28 - 32% Na, 9 - 12% Al, and 5 - 9% SO₄. Sulphate is removed from this product by repulping with hot water (liquid:solid =

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S/136/60/000/07/012/024
E193/E283

Gas Absorption and Regeneration of Cryolite in the Production of
Aluminium

10:1) and filtering, after which it contains 47.9% F, 30.4% Na, 12.2% Al, and 2.2% SO₄. Preliminary calculations have shown that the purifying plant recovers up to 40 kg of fluorine and up to 900 kg of alumina per each ton of aluminium produced. Thus, in addition to its main function of preventing atmospheric pollution, the plant produces a large quantity of valuable raw material. There are 2 figures, 3 tables and 10 Soviet references.

Card 3/3

GINODMAN, G.M.; GLIKIN, D.S.; PEYSAKHOV, I.L.

Testing rapid scrubbers for gas purification from chlorine.
TSvet. met. 35 no.3:42-48 Mr '62. (MIRA 15:4)
(Scrubbers (Chemical technology)--Testing)
(Gases--Purification)

PEYSAKHCY, I.L.; GINODMAN, G.M.; KARMAPINA, V.D.

Gas purification from chlorine by lime milk in a high-speed
scrubber. Sbor. nauch. trud. Gintsvetmetizh no.20:121-124 1962
(MIRA 17:12)

VLADIMIROV, G.Ye.; GINODMAN, L.M.

Volume of free energy of the hydrolysis of a phosphate bond, rich in energy,
in adenosinetriphosphoric acid. Biokhimiia 18 no.4:490-498 J1-Ag '53.
(MLRa 6:8)

1. Kafedra biologicheskoy khimii Voenno-meditsinskoy akademii im. S.M.
Kirova, Leningrad. (Hydrolysis) (adenosinephosphoric acid)

GINODMAN, L M.

USSR :

23

The application of the method of labeled atoms to the determination of the state of equilibrium in the hydrolysis of phosphoric acid esters. L. M. Ginodman (Military Med. Acad., Leningrad). *Biochimica* 10, 622-24 (1954). — The equil. const. of an intermittent chem. reaction is related to the free energy of the reaction in accordance with equation: $\Delta F = -RT \ln K$. In the hydrolysis of glycerophosphates in H_2O as it approaches the state of equil., the concns. of H_2O , of the phosphate, and of the glycerol can be detd. by the usual analytical procedures. This cannot be done for the detn. of the concns. of glycerophosphate. Here the labeled phosphates offer a way out of the difficulty, since the equil. concns. at any state of equil. can be detd. from the radioactivity intensities of the components. Thus, the equil. const. in glycerophosphate hydrolysis is $K = \frac{\text{(phosphate)} \cdot \text{(glycerol)}}{\text{(glycerophosphate)} \cdot \text{(water)}}$, which can be computed from the values of the initial concns. of the phosphate (C_p^0), the glycerol (C_g^0), the radioactivity of the labeled phosphate (A_p^0), and of the equil. radioactivity of the glycerophosphate (A_{gp}). The concn. of the H_2O remains practically the same. In equation $K = \frac{C_p C_g}{C_{gp} C_{H_2O}}$ (1) the factors correspondingly are: equil. concn. of the phosphate, equil. concn. of the glycerol, equil. concn. of the

(No. 6)

Amz

Handwritten: 2/11/57
GINODMAN, L.M.

Present state of the problem of fluorescent antibodies. Vop.virus.
2 no.4:195-201 J1-Ag '57. (MIRA 10:12)
(ANTIBODIES,
fluorescence, review (Rus))

GINODMAN, L.M.; GORKIN, V.Z.

Conference on problems in enzyme chemistry and on the mechanism
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