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On the notion of gradient. I. Essentiality of regularity suppositions.  
Annales pol math 8 no.1:1-4 '60. (EEAI 10:2)  
(Vector analysis)

GOLAB, S. (Krakow); KUCHARZEWSKI, M. (Katowice)

On the notion of gradient. II. A certain extremal property of direction  
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GOLAB, S. (Krakow)

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GOLAB, Stanislaw (Krakow)

On the algebraic comitants of tensors. Annales pol math 9 no.2:113-  
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(Calculus of tensors)

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(Numbers, Theory of)  
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(Transformations(Mathematics))

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RUCZMA, M. (Katowice)

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no. 5-38-68, 1968.

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Metallurgy, Krakow.

SMOLARZ, Wojciech; GOLAB, Wieslaw

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lek. 14 no.22: 1014-1016 1 June 59.

1. (Z II Kliniki Chorob Wewnętrznych Śląskiej A. M. w Zabrze;  
kierownik: prof. dr Witold Zahorski i II Kliniki Chirurgicznej  
Śląskiej A. M. w Zabrze; kierownik: prof. dr Jozef Gasinski)  
Otrzymano 1.VIII. 1958; adres: Zabrze, ul. Armii Ludowej 48.

(HYDRONEPHROSIS, compl.

hypertension & polycythemia vera in massive hydronephrosis,  
remission after surg. (Pol))

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in massive hydronephrosis with polycythemia vera, re-  
mission after surg. (Pol))

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(THORAX wds & inj)  
(OSTEOCHONDRITIS etiol)

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(GASTRECTOMY) (PEPSIN chem)



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Dr. J. G. GINSBURG, M.D. (Chicago, Ill.)  
AM (Chicago, Ill.) Dr. J. G. GINSBURG, M.D.

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15-164 3-0 '64.

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Energetyka 16 no.5:Suppl.: Biul energopomiar 8 no.3:23-24  
My '62.

1. Dzial Kotlow i Spalania, Zaklad Badan i Poniarow, Warszawa.



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properties of the superheater of the boiler OP-130. Pt.1.  
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prof.dr med.Mieczyslaw Kedra.  
(DIABETES MELLITUS compl.)  
(ACROMEGALY compl.)

GOLACKA, Krystna; RUPNIEWSKA, Zofia

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dr M. Kedra.  
(LEUKEMIA MYELOCYTIC etiol: (RADIOTHERAPII scmp:)



POLAND

FLORENTY, Henryk, GOLACKA, Krystyna, and KOZMIAK, Franciszek; First Clinic of Internal Diseases (I Klinika Chorob Nawrotocznych) (Director: Prof. Dr. Mieczyslaw KEBRA) and Department of Pathological Anatomy (Zaklad Anatomii Patologicznej) (Director: Prof. Dr. Stanislaw MAIBERG), both of the AM [Akademia Medyczna, Medical Academy] in Lublin

"Sprue nostras. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 12 Aug 53,  
pp 1216-1222

Abstract: [Authors' English summary modified] Authors report a case of a male, 29-years of age, suffering from periodic diarrhea and progressive loss of weight for eight years. He died 13 days after admission to the hospital. The autopsy revealed atrophy of the of the mucose of the small intestine, and diffuse peritonitis due to perforation of multiple ulcerations of the small intestine. The authors suggest that the ulceration was probably due to atrophic changes of the mucosa, which erupted on hormonal treatment. 13 refs: 3 Polish and 6 Western.

1/1

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Study of the secondary effects of antibiotics: nervous manifestations of threomycin: clinical and experimental study. Probl. ter., Bucur. 3:43-58 1956.

(CHLORAMPHENICOL, effects

on nerv. system, causing psycho-motor excitation,  
antag. eff. of caffeine)

(CAFFEINE, effects

on response of nerv. system to chloramphenicol)

(CENTRAL NERVOUS SYSTEM, eff. of drugs on

chloramphenicol, antag. eff. of caffeine)



WILKINS, Maria; T. G. ... ..

Changes in clinical forms of infectious diseases caused by antibiotics and chemotherapy: ... .. 1957.

1. ... ..

meningitis, ... .. typhoid fever, ... .. anemia, ... .. enteritis, ... ..

2. ... ..

antibiotics, ... .. anemia, ... ..

3. ... ..

antibiotics, ... .. otitis, ... ..

4. ... ..

antibiotics, ... .. anemia, ... ..

GOLAESCU, M.; TEODORESCU, T.; STANCIU, Z.; BULBUC, A.

Changes in the clinical forms of infectious diseases caused by antibiotics.  
II. Various aspects; whooping-cough; diphtheria; fungus diseases. Probl.  
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(WHOOPING\*COUGH, therapy  
antibiotics, results)

(DIPHTHERIA, therapy  
antibiotics, results)

(MONILIASIS, case reports

Candida albicans infect. in child treated with antibiotics)

GOLAESCH, Maria, Dr.; TEODORESCU, Sanda, dr.; SPINER, Frima, dr.;  
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Results of chloramphenicol, chlorpromazine and isoniazid  
in therapy of uncomplicated convulsive whooping-cough. Med.  
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1. Lucrare efectuata in clinica de boli infectioase I.M.F.  
Bucuresti (prof. M. Voiculescu).

(WHOOPING COUGH, ther.

chloramphenicol, chlorpromazine & isoniazid, comparative  
results)

(CHLORAMPHENICOL, ther. use

whooping-cough, comparison with chlorpromazine &  
isoniazid)

(CHLORPROMAZINE, ther. use

whooping cough, comparison with chloramphenicol &  
isoniazid)

(ISONIAZID, ther. use

whooping cough, comparison with chloramphenicol &  
chlorpromazine)

DUMITRESCU, Maria, dr.; GOIAESCU, Maria, dr.; SPINER, Frima, dr.; CONSTANTINESCU, S., dr.

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1. Lucrare efectuata in Clinica de boli contagioase I.M.F., Bucuresti, director: prof. M. Voiculescu.  
(TUBERCULOSIS, MENINGEAL, complications)  
(WHOOPING COUGH, complications)  
(ANTITUBERCULAR AGENTS, therapy)

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Grave aspects of pertussis pneumopathy. Med. intern., Bucur 12  
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(ANTIBIOTICS) (COMMUNICABLE DISEASES)  
(INFECTION)

GOLAESCU, Maria, dr.

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(MYCOSES: (EPIDEMIOLOGY) (MONILIASIS)  
(HISTOPLASMOSIS) (CRYPTOCOCCOSIS)  
(COCCIDIOIDOMYCOSIS) (ACTINOMYCOSIS)  
(NOCARDIA INFECTIONS) (ASPERGILLOSIS)  
(MUCORMYCOSIS)

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0014116, A-17

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Pyelonephrotomy; surgico-anatomical consideration. Urol.polaka  
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1. Z Oddziału Urologicznego P.S.K. w Krakowie; ordynator: doc.  
dr E. Michalowski.

(KIDNEYS, calculi,  
surg., pyelonephrotomy)

(CALCULI,  
kidneys, pyelonephrotomy)

LASKOWNICKI, Stanislaw; GOLAJEWSKI, Andrzej

Polyps of the ureter and consecutive hydronephrosis. Polski  
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St. Laskownicki.

(HYDRONEPHROSIS etiol.)

(URETERS neopl.)

(POLYPI compl.)

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Treatment of cryptorchiam. Polski przegl. chir. 32 no.12:1243-1245 '60.

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GOLAJEWSKI, Andrzej; LATALA, Edward

Treatment of skin avulsion from the penis. Polski przegl. chir.  
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(PENIS wds and inj)



SEKOWSKA, Janina; GOLAJEWSKI, Andrezej

Primary cancer of a diverticulum of the female urethra. Polski  
przegl. chir. 33 no.11a:1470-1472 '61:

↓. Z Kliniki Urologicznej AM w Krakowie Kierownik: prof. dr  
S.Laskownicki.

(URETHRA neopl)

(URETHRA dis)



GOLAMINA, I. A.  
Fischer, I. A.

RUSSIAN DESCRIPTION

Symposium on Electromechanical Transients, 1973  
Proceedings of the Symposium on the Transients (1973) System,  
17-18 September, 1973, Warszawa, Poland. Institute of Technical Problems, Polish Academy of Sciences.  
Errata slip insert in front of page 1.

Sponsoring Agency: Polish Academy of Sciences, Institute of Technical Problems.

Ed. in Chief: Janusz Kasperczyk, Doctor of Sciences; Editing Committee: Ignacy Milecki, Professor, Doctor of Sciences, University of Lodz, Lodz; and Jerry Mohr, Doctor of Sciences; Secretary: Juliusz Kierozinski.

PURPOSE: This book is intended for physicists and mechanical engineers.

COVERAGE: The book is a collection of detailed research papers constituting the proceedings of a symposium held in Warszawa from 17 to 18 September 1973 under the auspices of the Institute of Technical Problems, Polish Academy of Sciences.

Symposium on Electroacoustic Transducers

1961

The following topics were discussed: 1) theoretical research on energy transformation; 2) physical and chemical properties of new types of transducers; 3) physical properties of materials; 4) technology of piezoelectric and electrostrictive materials; 5) construction of transducers for technical needs; and 6) design of acoustic transducer systems. No personalities are mentioned. References (if any) follow the individual articles.

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1. Classification of electroacoustic transformation methods in the light of the tasks faced by the design and construction of electroacoustic equipment. V. S. Grigor'yan	7

Card 2/8

Symposium on Electroacoustic Transducers (1960)

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Card 4/3

SECRET

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LYASKOVSKAYA, Yuliya Nazarovna; PIUL'SKAYA, Valentina Iosifovna; GOLAND,  
B.Ya., spetsred.; PRASS, B.Yu., vedushchiy red.

[Methods for investigating the oxidative spoiling of fats] Metody  
issledovaniia okislitel'noi porchi zhirov. Moskva, GOSINTI, 1960.  
51 p. (MIRA 13:6)

(Oils and fats)                      (Oxidation)

GOLAND, D. Ye.

"Measurement of Blood Platelets in Children," *Pediatrics*, 19.3, 1961.



LITVINOV, M.A.; GIRENKO, V.N.; GOLAND, M.I.; BARKOVSKAYA, N.N.

application of luminiscence analysis to the study of species  
characteristics of microscopic fungi of the genus *Aspergillus*  
Mich. Trudy Bot.inst. Ser.2 no.8:45-48 '53. (MLRA 7:1)  
(Fungi, Pathogenic)

3

Tanning of furs with Fe salts Ya. A. Furin and N.  
A. Goland *Zhukovskiy* *Prum.* 2, No. 11-12, 20-8 (1942).  
It is feasible to tan furs by Fe salts of proper basicity.  
Chrome pretreatment is not required with Fe<sup>3+</sup> concentration of  
about 2 g/l. This is a preliminary report. G. M. K.

WATER-SOLUBLE

A.S. & S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

AS 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

*Handwritten:* Dyeing, Fur

I-29

USSR/Chemical Technology - Chemical Products and Their Application - Leather, Fur, Gelatin, Tannin, Acetate, Technical Proteins.

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33127

Author : Goland, N.I., Metelkina, Ye.M.

Inst :

Title : Dyeing of Fur with Vat Dyes.

Orig Pub : Legkaya prom-st', 1956, No 5, 30-31

Abstract : On dyeing of fur with oxidation dyes it was not possible to produce fast grey shades. Experiments are described on the use for this purpose of vat dyes. Dyeing is carried out in a conventional drum which is filled almost to capacity. Two formulas have been worked out for dyeing sheepskins grey with thioindigo black using color modifying adjuncts: in one instance vat golden-yellow ZhKh and vat brilliant green Zh, and in the other -- thioindigo red-brown Zh; with sodium alkyl sulfate as

GOLAND, N.I., kand.tekhn.nauk

New method for continuous sheepskin processing with hair finishing. Kozh.-obuv.prom. no.6:85-28 Ap '59. (MIRA 12:7)  
(Fur)

GOLAND, N.I., kand.tekhn.nauk; METELKINA, Ye.M., tekhnolog; DROZHNINGVA,  
L.Ya., mladshiy nauchnyy sotrudnik

Control of dye bathes in fur dyeing with vat dyes. Nauch.issl.trudy  
NIIMP no.11:13-28 '62. (MIRA 16:5)  
(Fur--Dressing and dyeing)



ACC NR: ARG021241

(N)

SOURCE CODE: UR/0398/66/000/002/V024/V024

AUTHOR: Goland, Sh. M.

TITLE: Press mold for making polyvinyl chloride life jacket inserts

SOURCE: Ref. zh. Vodnyy transport, Abs. 2V172

REF SOURCE: Proizv. tekhn. sb. Tekhn. upr. M-va rechn. flota RSFSR, no. 1(45), 1965, 98-99

TOPIC TAGS: survival equipment, synthetic material, marine equipment, foundry equipment, plastic fabricating machinery, ~~plastic filler~~, polyvinyl chloride, LIFE VEST

ABSTRACT: The M. I. Kalinin Life Saving Equipment Factory has developed a new mold design for making life jacket inserts. The new press mold has many advantages over the old one; it is easier and simpler to make; there are fewer parts; the solid bottom does away with the need to thicken the walls; the service life and period between repairs is increased; airtightness is increased, resulting in fewer rejections; structural rigidity is greater because of the higher press pressures. A description and a drawing of the new press mold is included. 2 figures. [Translation of abstract]

SUB CODE: 11, 06, 13

Card 1/1

UDC: 627.957.4.002.2

GOLAND, Sh.N., kand.tekhn.nauk; LEDENTSOV, N.M., inzh.; MIKOLAYEV, A.S.,  
inzh.; PAVLENKO, V.T., inzh.; PLAKIDA, M.A., kand.tekhn.nauk;  
PORADNYA, A.I., doktor tekhn.nauk; SPIRIDONOVA, O.M., kand.tekhn.  
nauk; SVYATSKIY, P.S., inzh.; FEDORTSOV, B.D., inzh., retsenzent;  
PUL'KINA, Ye.A., tekhn.red.

[Manual on finishing operations] Spravochnik po otdelochnym  
rabotam. Pod red. A.I.Poradnia i O.M.Spiridonovoi. Leningrad,  
Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,  
1960. 497 p. (MIRA 14:4)

1. Leningrad. Glavnoye stroitel'noye upravleniye.  
(Finishes and finishing)



GOLAND, Sh.N., kand. tekhn. nauk; LEDENTSOV, M.M., inzh.; NIKOLAYEV, A.S., inzh.; PAVLENKO, V.T., inzh.; PLAKIDA, M.A., kand. tekhn. nauk; PORADNIYA, A.I., doktor tekhn. nauk; SPIRIDONOVA, O.M., kand. tekhn. nauk; SVYATSKIY, P.S., inzh.; FEDOTSOV, B.D., inzh., retsenzent; KAPLAN, M.Ya., red. izd-va; FUL'KINA, Ye.A., tekhn. red.

[Handbook of finishing operations] Spravochnik po otdelochnym rabotam. Pod red. A.I.Poradnia i O.M.Spiridonovoi. Leningrad, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1961. 497 p. (MIRA 14:7)

1. Leningrad. Upravleniye po zhilishchnomu i grazhdanskomu stroitel'stvu.

(Finishes and Finishing)

ZINGER, Ye., inzh.; GOLANDSKAYA, Yu., inzh.; D'YANKONOV, A., inzh.

Improve the structural features and performance of small feed mills.  
Muk.-elev. prom. 27 no.6:21-23 Je '61. (MIRA 14:6)

1. Khar'kovskaya mashinospytatel'naya stantsiya Goskomiteta zagotovok  
Soveta Ministrov SSSR (for Zinger, Golanskaya). 2. Kaluzhskoye  
upravleniye zagotovok (for K'yankonov).  
(Feed mills)

ZINGER, Ye.; IS'YEMINI, I.; GOLANDSKAYA, Yu.

Testing the TPSH screw conveyer under working conditions. Muk.  
-elev. prom. 27 no. 12:23-24 D '61. (MIRA 15:2)

1. Khar'kovskaya mashinoispytatel'naya stantsiya.  
(Conveying machinery)

IS'YEMINI, I., inzh.; GOLANDSKAYA, Yu., inzh.

Technological and economic indices of scraper car unloaders,  
Mek.-elev. prom. 28 no.12:21-22 D '62. (MIRA 16.1)

1. Khar'kovskaya mashinospytatel'naya stantsiya.  
(Loading and unloading) (Grain--Transportation)

137-58-5-8752

GOLANDSKIY, D. B.

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 4 (USSR)

AUTHORS: Golanskiy, D. B., Kapustin, A. A.

TITLE: Investigations Performed on Plant Tailings for Purposes of Adding a Third Concentration Stage and a Study of Flotation of Cassiterite from Slurries (Issledovaniye fabrichnykh khvostov s tsel'yu vklyucheniya tret'yey stadii obogashcheniya i izucheniyе floratsii kassiterita iz shlamov)

PERIODICAL: Tr. Vses. Magadansk. n.-i. in-ta za 1956 g. Magadan, 1957, pp 95-98

ABSTRACT: The ore of Ege-Khay deposits is not readily concentrated. Concentration tests of gravitational plant tailings were performed on samples containing 0.23 percent Sn. The testing procedure involved the sifting of initial tailings into four classes: +0.5, -0.5+0.3, -0.3+0.074, and -0.074 mm; the first three of these were concentrated on concentration tables and the material with particles of -0.074 mm was classified by hydraulic means into fractions of -74+40, -40+25, -25+14, and -14 μ; of these the first three fractions were concentrated on padded concentration sluices. The investigations have shown that the concentration of

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147-58-5-8742

Investigations Performed on Plant Tailings (cont.)

tailings will increase extraction of Sn by 12 percent while the total extraction at the plant will reach 72 percent. Flotation investigations have shown that the cassiterite in Ege-Khay slurrries have extremely poor flotation characteristics. Concentrates containing approximately 1 percent of Sn may not be obtained economically because the slurrries have to be preliminarily treated with concentrated HCl and large amounts of reagents are consumed.

A Sh.

1. Tailings--Ege-Khay      Industrial plants--Extractives

*G. L. ...*

137 (1981-105)

Translation from: *Russkoye zhurn. Metalurgiya*, 1958, Nr 1, p. 17 (USSR)

AUTHORS: Golubokiy, D. B.; Buzdov, N. S.

TITLE: Method of Removing Layers of Iron in the Concentration of Tailings  
(*Puti razvazheniya sloev zheleza pri obogashchenii shlamca*)

PERIODICAL: *Kolyma*, 1958, Nr 17, pp. 29-35

ABSTRACT: A considerable amount of iron lies in the tailings of the ore-dressing plants of the Far East. Investigations of the mobility of the tailings performed by NI 1 and at the MEKHANOBR Institute, and the experience of the tailings shop at the Laya Works have demonstrated that a considerable amount of iron may be extracted from the tailings. Preliminary classification of tailings makes it possible to increase iron recovery by as much as 55 percent. Therefore, the separation of tailings into sand and sluffs, with separate processing of each, must be strongly urged. Engineering procedures recommended for the plants of the Far East for milling tailings by grades and size fractions are described and added.

A. Sh

Card 1 of 1 1. Tailings Processing 2. Mining engineering--USSR

POTEMKIN, S.V., glav. red.; MATSUYEV, L.P., zam. glav. red.;  
BEREZIN, V.P., red.; VESELOV, V.V., red.; GOLANDSKIY,  
D.B., red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.;  
SHASHURA, M.V., red.; RIVKIN, G.M., red.; FIKSOV, L.V.,  
red.; SHAKHNAROVICH, L.A., red.; SHEPELEV, I.T., red.;  
SHAROVA, L.A., red.

[Reports for 1961] Sbornik referatov za 1961 god. Magadan,  
1962. 135 p. (Its: Trudy VNI-1) (MIRA 16:7)

1. Magadan. Vsesoyuznyy nauchno-issledovatel'skiy institut  
zolota i redkikh metallov.

(Frozen ground) (Mining engineering) (Metallurgy)  
(Building materials)



RED'KIN, V.K.; POTEMKIN, S.V., glavnyy red.; MATSUYEV, L.P., zanesti-  
tel' glavnogo red.; SHAKHAROVICH, L.A., red.; BEREZIN, V.P.,  
red.; VESELOV, V.V., red.; GOLANDSKIY, D.B., red.; GOL'DTMAN,  
V.G., red.; IGNATENKO, M.A., red.; SHASHURA, M.V., red.;  
RIVKIN, G.M., red.; FIRSOV, L.V., red.; SHEPELEV, I.T., red.

[Grounding and protective cutting-off in underground workings  
of permafrost placer deposits.] Zazemleniia i zashchitnye  
otkliucheniia pri podzemnoi razrabotke mnogoletnemerzlykh  
rossypei. Magadan, Vses. nauchno-issl. in-t zolota i redkikh  
metallov, 1962. 26 p. (Magadan, Vsesoiuznyi nauchno-issledo-  
vatel'skii institut zolota i redkikh metallo. Trudy, Gornoe  
delo, no.40) (MIRA 16:6)

(Kolyma Valley—Electric protection)  
(Kolyma Valley—Placer deposits)

ANDRIANOV, Aleksandr Alekseyevich; POTEKIN, S.V., glavnyy red.;  
MATSUYEV, L.P., zamestitel' glavnogo red.; SHAKHNAROVICH, L.A.,  
red.; BEREZIN, V.P., red.; VESELOV, V.V., red.; GOLANDSKIY, D.B.,  
red.; GOL'DTMAN, V.G., red.; IGNATENKO, M.A., red.; SHASHURA, M.V.,  
red.; RIVKIN, G.M., red.; FIRSOV, L.V., red.; SHEPELEV, I.T.

[Methods of analytic decomposition of cassiterite and tin ores]  
Metody analiticheskogo razlozheniya kassiterita i rud olcva.  
Magadan, 1962. 14 p. (Magadan. Vsesoluznyi nauchno-issledo-  
vatel'skii institut zolota i redkikh metallov. Trudy Obogashchenie  
i metallurgiya, no.53). (MIRA 16:7)  
(Cassiterite--Analysis) (Tin ores--Analysis)

SUSZKO, J.; GOLANKIEWICZ, B.

On the hydrogenation products of some cinchona alkaloids. Pt.2.  
Bul chim PAN 12 no.10:701-705 '64.

1. Laboratory of Natural Products, Poznan, of the Institute of  
Organic Synthesis of the Polish Academy of Sciences. Submitted  
August 18, 1964.

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GOLANSKIY, P.G.

Pneumatic machine vises. Mashinostroitel' no.4:29 Ap '63.  
(MIRA 16:5)

(Vises)

GOLANSKIY, P.G.

Pneumatic three-turn vises. Stan.1 instr. 34 no.5:38-39 My  
'63. (MIRA 16:5)  
(Vises)

GOLANDT, V.Ye.; ORLOV, N.I.; PAKHOMOV, L.P.

Production of a dense plasma in a hot cathode discharge in a magnetic field. Zhur. tekhn. fiz. 31 no.7:797-801 J1 '61.  
(MIRA 14:7)

1. Fiziko-tehnicheskii institut imeni A.F. Ioffe AN SSSR,  
Leningrad.

(Plasma (Ionized gases)) (Cathode rays)  
(Magnetic fields)

21(4) PHASE I BOOK EXPLOITATION SOV. 1983

International Conference on the Peaceful Uses of Atomic Energy, 2nd, Geneva, 1958.

Doklady sovetskikh uchenykh, Yedernyye Reaktory i Yedernaya Energetika (Reports of Soviet Scientists: Nuclear Reactors and Atomic Energy) Moscow, Atomizdat, 1959, 707 p. (Series: Issledovaniya i Razrabotki, vol. 2) Errata slip inserted. 8,000 copies printed.

General Eds.: M.A. Dollezhal, Corresponding Member, USSR Academy of Sciences, A.K. Kravtsov, Doctor of Physical and Mathematical Sciences, A.I. Lysak, Corresponding Member, USSR Academy of Sciences, I.I. Kuznetsov, Corresponding Member, USSR Academy of Sciences, and V.I. Kuznetsov, Doctor of Physical and Mathematical Sciences; Ed.: A.P. Alyabyev; Tech. Ed.: Ye. I. Mazel.

PURPOSE: This book is intended for scientists and engineers engaged in reactor design, and for professors and students of higher technical schools where reactor design is taught.

COVERAGE: This is the second volume of a six-volume collection on the peaceful use of atomic energy. The six volumes contain the reports presented by Soviet scientists at the Second International Conference on Peaceful Uses of Atomic Energy, 2-8 September 1958, in Geneva, 1958, and the second volume contains reports on the construction in the Soviet Union of the second to experimental and research reactors, the experiments carried out on them, and the work to improve them; and the third, which is predominantly theoretical, to problems of nuclear reactor physics and construction. The first volume of the series is the second volume of the collection. References appear at the end of the articles.

Dollezhal, M.A., A.K. Kravtsov, M.A. Mikhailov, A.N. Ostrobratnyy, and G.M. Ushakov, "Significance of Operating the First Atomic Power Plant in the USSR and the Plant's Work Under Boiling Conditions" (Report No. 2133) 15

Dollezhal, M.A., A.K. Kravtsov, P.I. Alekseyev, A.M. Gribokovskiy, B.Y. Zornitskiy, N.Ye. Kuznetsov, I.A. Yevlakhov, S.M. Gerasimov, V.I. Kuznetsov, and I. Mityayev, and A.M. Shvartsov, "The Uranium Reactor With High Pressure Steam Superheat" (Report No. 2139) 30

Aleksandrov, A.P., V.I. Afrikantov, A.I. Bogdanov, A.M. Brudskiy, G.M. Ushakov, B.Ye. Giculin, V.I. Kuznetsov, and M.S. Enilopkin, "The Atomic Icebreaker" (Report No. 2140) 60

Sizinskaia, Th. V. and S.G. Puzitskiy, "Radiation Safety System of the Atomic Icebreaker" (Report No. 2149) 87

Kuznetsov, S.A. "Water-water Power Reactors (VVER) in the USSR" (Report No. 2154) 100

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Kuznetsov, S.A. and V.I. Subbotin, "Cooling Water-water Reactors" (Report No. 2156) 134

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Kuznetsov, M.R., V.I. Subbotin, and P.A. Ushakov, "High-speed Method of Measuring the Heat Transfer Coefficient in the Pipes" (Report No. 2175) 166

Kuznetsov, M.R., V.I. Subbotin, V.M. Borisenchitskiy, and P.L. Kuznetsov, "Heat Transfer During the Flow of Liquid Metal in Thin Pipes" (Report No. 2210) 179

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GOLANKIEWICZ, K.

Research on the synthesis of hetero-alkaloids of the quinine group, a thesis  
P 248

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne) Wroclaw.  
Vol. 13, no. 4, Apr. 1959

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Uncl.

GOLANKIEWICZ, K.

New reactions of some quinaldine derivatives. *Bul chim PAN* 9 no.6:  
389-392 '61.

1. Department of Organic Chemistry, A. Mickiewicz University, Poznan.  
Presented by J. Suszko.

GOLANKIEWICZ, K.

Carbethoxylation of derivatives of lepidine and quinaldine. Bul chim  
PAN 9 no.6:411-413 '61.

1. Department of Organic Chemistry, A. Mickiewicz University, Wroclaw.  
Presented by J. Juszko.

GOLANKIEWICZ, K.

Reaction of hydrazine with some lepidine and quinoline derivatives.  
Bul chim PAN 9 no.9:547-549 '61.

1. Department of Organic Chemistry, A. Mickiewicz University, Poznan.  
Presented by J. Suszko.

SUSZKO, Jerzy; GOLANKIEWICZ, Krzysztof

Studies on the conditions of synthesis of the heteroalkaloids  
of the quinine group. I.,II. Prace matem przyrod Poznan  
10 no.2:3-25 '62.

1. Department of Organic Chemistry, Adam Mickiewicz  
University, Poznan.

GOLANKIEWICZ, K.

Curtius rearrangement of (quinolyli-4 and 2)- $\alpha$ -hydroxyiminopropionic acids. Bul chim PAN 10 no.8:417-420 '62.

1. Department of Organic Chemistry, A. Mickiewicz University, Poznan.  
Presented by J. Suszko.

3/061/62/000/024/050/073  
B106/B186

AUTHOR: Golankiewicz, Krzysztof

TITLE: Carboethoxylation of some derivatives of lepidine and quinaldine

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 389, abstract 24Zh342 (Roczn. chem., v. 36, no. 4, 1962, 625 - 630 [Eng.; summaries in Pol. and Russ.])

TEXT: Carboethoxylation of the ethyl ester (EE) of quinoline-2-acetic acid (I) in the presence of  $C_2H_5ONa$  gave the EE of quinoline-2-malonic acid,  $C_{16}H_{17}NO_4$  (II), which yields, on bromination,  $C_{16}H_{17}NBr_2O_4$  (III). On bromination of the EE of quinoline-4-malonic acid (IV) the hydrobromide of the EE of quinoline-4-bromo-malonic acid,  $C_{16}H_{17}Br_2NO_4$  (V), was obtained. 4-cyano-lepidine (VI) is not condensed with diethyl carbonate in the presence of  $C_2H_5ONa$ , but gives with  $NaNH_2$  the EE of quinoline-4-cyano-acetic acid,  $C_{14}H_{12}N_2O_2$  (VII). The EE of quinoline-2-pyruvic acid (VIII) gives

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Carbethoxylation of some ...

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with  $\text{NaNH}_2$   $\alpha$ -cyano-quinoline (IX). A reaction mechanism is suggested. The EE of quinoline-4-pyruvic acid (X) gives lepidine (XI) with diethyl carbonate in the presence of  $\text{NaNH}_2$ . 3 g I in 25 ml of diethyl carbonate is boiled with  $\text{C}_2\text{H}_5\text{ONa}$  (from 0.35 Na) for 1.5 hrs at 20 mm Hg, and for 5 hrs at 760 mm Hg. After evaporation of the alcohol, 50 ml of 10%  $\text{CH}_3\text{COOH}$  is added dropwise, extracted with ether and the extract is concentrated by evaporation. One obtains 0.5 g of I, b.p.  $148^\circ\text{C}/0.5$  mm Hg, and 1.4 g of II, b.p.  $176 - 179^\circ\text{C}/0.5$  mm Hg, m.p.  $73 - 74^\circ\text{C}$  (from petroleum ether). 0.28 g  $\text{Br}_2$  is added dropwise to 0.5 g IV in 20 ml  $\text{CHCl}_3$  in the course of 20 min; one obtains 0.5 g of V, m.p.  $194^\circ\text{C}$  (decomposition; from absolute alcohol). In the same way bromination of 0.4 g II in 30 ml  $\text{CHCl}_3$  with 0.22 g  $\text{Br}_2$  in 10 ml  $\text{CHCl}_3$  gives 0.21 g of III, m. p.  $168 - 169^\circ\text{C}$  (decomposition; from absolute alcohol). 3 g of VI is heated with 40 ml of diethyl carbonate and 1.5 g  $\text{NaNH}_2$  to  $140^\circ\text{C}$ , 50 ml of 10%  $\text{CH}_3\text{COOH}$  is added, and VII, m.p.  $175^\circ\text{C}$  (decomposition; from alcohol) is filtered off. 3 g of VIII, 40 ml of diethyl carbonate, and 1.5 g  $\text{NaNH}_2$   
Card 2/3



Carbomethoxylation of some ...

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are boiled for 5 hrs, 50 ml of 10%  $\text{CH}_3\text{COOH}$  is added, and after extraction with ether 0.5 g of IX, b.p.  $125^\circ\text{C}/1$  mm Hg, m.p.  $94^\circ\text{C}$  is obtained (from petroleum ether, after chromatography on  $\text{Al}_2\text{O}_3$  in  $\text{CHCl}_3$ ). In the same way 0.5 g of XI, b.p.  $100 - 101^\circ\text{C}/1$  mm Hg is obtained from 3 g of X, 40 ml of diethyl carbonate and 1.5 g  $\text{NaNH}_2$ ; picrate,  $\text{C}_{10}\text{H}_9\text{N} \cdot \text{C}_6\text{H}_3\text{N}_3\text{O}_7$ , m.p.  $208^\circ\text{C}$ . The curve of the infrared spectrum of IX is given. [Abstracter's note: Complete translation.]

GOLANKIEWICZ, Krzysztof

Some new reactions of quinaldine derivatives. Rocz chemii  
36 no.5:835-842 '62.

1. Department of Organic Chemistry, University, Poznan.

GOLANKIEWICZ, Krzysztof

Curtius rearrangement of (quinolyl-4 and 2)  $\alpha$ -hydroxyiminopropionic acids. Roczniki chemii 37 no.3:309-316 '63.

1. Department of Organic Chemistry, Adam Mickiewicz University, Poznan.

GOLANKIEWICZ, P., WIEWIORSKI, M.

Chemical equilibrium between ornithine and its lactam. I. Synthesis of  $\beta$ -aminopiperidon and preliminary information about its behaviour in aqueous solutions. Acta biochim. pol. 10 no.4 443-448 (63).

I. Department of Organic Chemistry, University, Poznan, and Institute of Biochemistry and Biophysics, Polish Academy of Sciences.

(ORNITHINE) (CHEMISTRY) (PIPERIDINES)