BOBIRNAC, B.; COSTESCU, C.; SANDA, Emilia (Craiova)

Notes on the Morocco locust (Dociostaurus maroccanus Thumb.) in Oltenia. Natura Biologie 15 no.6:87-90 N-D '63.

SANDA, F.

Safety of the work with building machines. (Supplement) p. 73.

INZENYRSKE, STAVBY. (Ministerstvo stavebnictvi) Praha, Czechoslovakia.
Vol. 7, no. 7, July 1959

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

SANDA, F., inz.

Comments on the R.Podel's article: Mining by combined blasts. Stavivo 41 no.2:64-65 F '63.

1. Ustredni bansky urad, Praha.

Allergology

RUMANIA

SANDA, Gh., Major, Medical Corps; and BOGDAN, I., Dr.

"Allergic Gastroenteropathy Mimicking Acute Surgical Abdomen"

Bucharest, Revista Sanitara Militara, Vol 62, No. 6, Nov-Dec 66, p. 1029-1036

Abstract: Description of two cases in young men, both of which were considered surgical abdominal emergencies and so treated until it became obvious that an allergic reaction was involved. Discussion of the many difficult diagnostic problems, and of the therapeutic possibilities including hyperoxia. 29 Rumanian, 18 Western references. Manuscript received 26 Feb 66.

1/1

SANDA, Jar., Inz. Arch.

The construction of standardized nursing homes for the chronically ill. Cesk. zdravot. 6 no.4:159-162 Apr 58.

1. Studijni a typisacni ustav v Praze.

(CHRONIC DISEASE,
institutional care of chronically ill patients in Czech. (Cz))
(SANATORIA,
nursing home standard. for care of chronically ill (Cz))

SANDA, J., Inž. Arch.; BOHAC, V., Inž. Arch.; REZKOVA-MOURALOVA, H., MUDr.

Patho-anatomical department in regional hospitals. Cesk. zdravot. 7 no.7:366-373 Aug 59

1. Ministerstvo zdravotnictvi.
(HOSPITALS) (PATHOLOGY)

BOHAC, V., Inz.Arch.; SANDA, J., Inz.Arch..

Studies on wards for patients with chronic infectious tuberculosis.
Cesk. zdravot. 7 no.8:469-471 S '59

1. Ministerstvo zdravotnictvi (for Bohac). 2. Studijni a typizacni ustav v Praze (for Sanda).
(TUBERCULOSIS, therapy)
(HOSPITALS)

SANDA, J., inz.

Starting powder clutch. Strojirenstvi 13 no.9:643-653 S '63.

1. Vyzkumny ustav energetickych zarizeni, Brno.

VODACEK, O., inz.; SANDA, J., inz.; PICKA, V., inz.

Comparison of boilers with various coal grinding systems and their suitability for heavy duty units. Strojirenstvi 14 no.11:866-870 N '64.

1. Research Institute of Electric Equipment, Brno.

SANDA, Ludek

Branch level standardizatio . Normalizace 12 no.10:274-276 O '64.

1. Research Institute of the Wool Industry, Brno.

SANDA, M.

"Political education of the airplane model builders."

p. 204 (Letecky Modelar) Vol. 8, no. 9, Sept. 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

MELICHAR, M.;CHALABALA, M.;KRAL, J.;MALY, J.; PRECECHTEL, M.;RUSEK, V.;SMECKA, V.;SOLICH, J.;SANDA, M.;ZACEK, H.

Working schedule for pharmacy students in 1952. Cesk. farm. 1 no.10: 605-612 1952. (CLML 23:4)

1. Of the Department of Galenic Pharmacy of Masaryk University, Brno.

SANDA, M.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Medicinals. Vitamins. Antibiotics. H-17.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44310.

Author : Melichar M., Precechtel M., Sanda M.
Inst :
Title : Preparation and Control of Aromatic Waters and Spirits in Accordance with PhBs-2.

Orig Pub: Farmacia, 1955, 24, No 1, 9-14.

Abstract: Aromatic waters (AW) and spirits (AS) are prepared by dilution of the corresponding concentrates: AW concentrations and oleo-balsamic spirits. Essential oils which are components of the concentrates are first freed of terpenes by dissolution in alcohol and filtration; on dilution with water (2:100) they should produce no turbidity. For the charac-

Card : 1/2

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Medicinal Substances. Vitamins. Antibiotics. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20542

Author : Kral, Jaroslav; Prcechtel. Milan; Sanda, Miroslav

Inst :

Title : The Production Inspection of Injection Solutions.

Orig Pub : Farmacia (Ceskosl.), 1957, 26, No 3, 71-76

Abstract : No abstract.

Card : 1/1

Author : Maly, Josef; Sanda, Miroslav

Inst : -

Title : New Packing Materials and the Packing of Medicinal Preparations.

Orig Pub : Farmacia (Ceskosl.), 1957, 36, No 5, 141-157

Abstract : A review. Bibliography, 44 titles.

Card : 1/1

MALY, J.; SANDA, M.

Pharmaceutical vehicles. V. Vehicle material as the source of incompatibility. Cesk. farm. 11 no.6:324-329 Jl '62.

1. Ustav galenicke farmacie, farmaceuticka fakulta, Brno.
(VEHICLES) (CHEMISTRY PHARMACEUTICAL)

MERKA,V.; SKALA,E.; PESAK,M.; MELICHAR,M.; SANDA, M.

Cleaning transfusion bottles with detergents. Cesk. farm. 12 no.8:411-416 0'63.

1. Vojensky lekarsky vyzkumny a doskolovaci ustav, Hradec Kralove; Ustredni vojenska nemocnice, Praha; Lekarska fakulta PU, Olomouc.

*

315. *Transmissibility of cardiac electric fields* Contribuţii la studiul transmisibilităţii cîmpurilor electrice cardiace. IONESCU V., BITTMAN E., PASCALOV-STOENESCU L. and SANDA T. Inst. de Fiziol Norm. şi Patol. 'Prof. Dr. D. Danielopolu', Sect. Electrofiziol., Bucureşti *Rev. Fiziol. norm. patol.* 1957, 4/2 (128—135) Illus. 2

The investigations of Dubouloz (*Acta cardiol.* 1953), Jouve (*Arch. Mal. Coeur*, 1955) and Van Bogaert (*Arch. Mal. Coeur*, 1955) are mentioned and a personal investigation on dogs, rabbits and frogs, and also on human subjects, is reported. The behaviour on insulating materials with respect to electric fields of low intensity, not with respect to electric currents, was studied by placing a sheet of rubber on the skin under the recording electrode. It was found that insulating rubber, despite its electrical resistance, permits the propagation of cardiac electric fields. It is suggested that in the experiments of Jouve and Van Bogaert the cardiac potentials were partly transmitted by the insulating sac itself, and also by the contact of the heart with neighbouring tissues, which was still possible, Jouve's experiments do not provide sufficient confirmation for Dubouloz' hypothesis according to which the effects of the polarized volume, constituted by the ventricular masses, are comparable with the effects of a plane area (of dipoles) of variable force, occupying the orifice of this volume, i.e. the base of the ventricles. Graur – Bucharest (II, 18)

SANDA, Vlastimil

"O analytickych metodach k urocovani chemickych konservovadel ve vyrobcich z ovoce a zeleniny". (Analytic methods for the determination of chemical preservatives in fruit and vegetable products).

SO: Chemie (Prague) 7: 203-06, 1951.

SANDA, V.

CZECH

778. The determination of L-ascorbic acid in food products. J. Blattná, J. Fránger, V. Sauda, P. Zuman and D. Zuffová (*Průmysl Potravin*, 1953, 4 [9], 402–408; *Referativnyĭ Zh., Khim.*, 1954, Abstr. No. 15,069).—A volumetric and a polarographic method are described. In the volumetric method, 10 to 20 ml of a solution or extract are made up to 50 ml with a mixture of acetic acid and HPO_3 (15 g of solid HPO_3 dissolved in 40 ml of glacial acetic acid and 200 ml of water; the soln. is diluted to 500 ml, filtered and set aside in the cold), and titrated with 0·001 *N* aq. dichlorophenolindophenol until a rose colour persists for 15 min. The minimum amount of ascorbic acid that can be determined is 25 to 50 μg and the limits of error are ± 10 per cent. In the analysis of coloured substances, the titration is carried out in the presence of xylene, and the colour change is noted in the xylene layer. When the material contains SO_2, acetone is added; reducing substances are allowed for by carrying out a blank estimation after the ascorbic acid has been condensed with formaldehyde. In the polarographic method, the ascorbic acid is polarographed in an acetate buffer at pH 4·7 (Kodíček and Wenig, *Nature*, 1938, **142**, 35), and the increment method is used.

E. HAYES.

SANDA, V.

2

CZECH

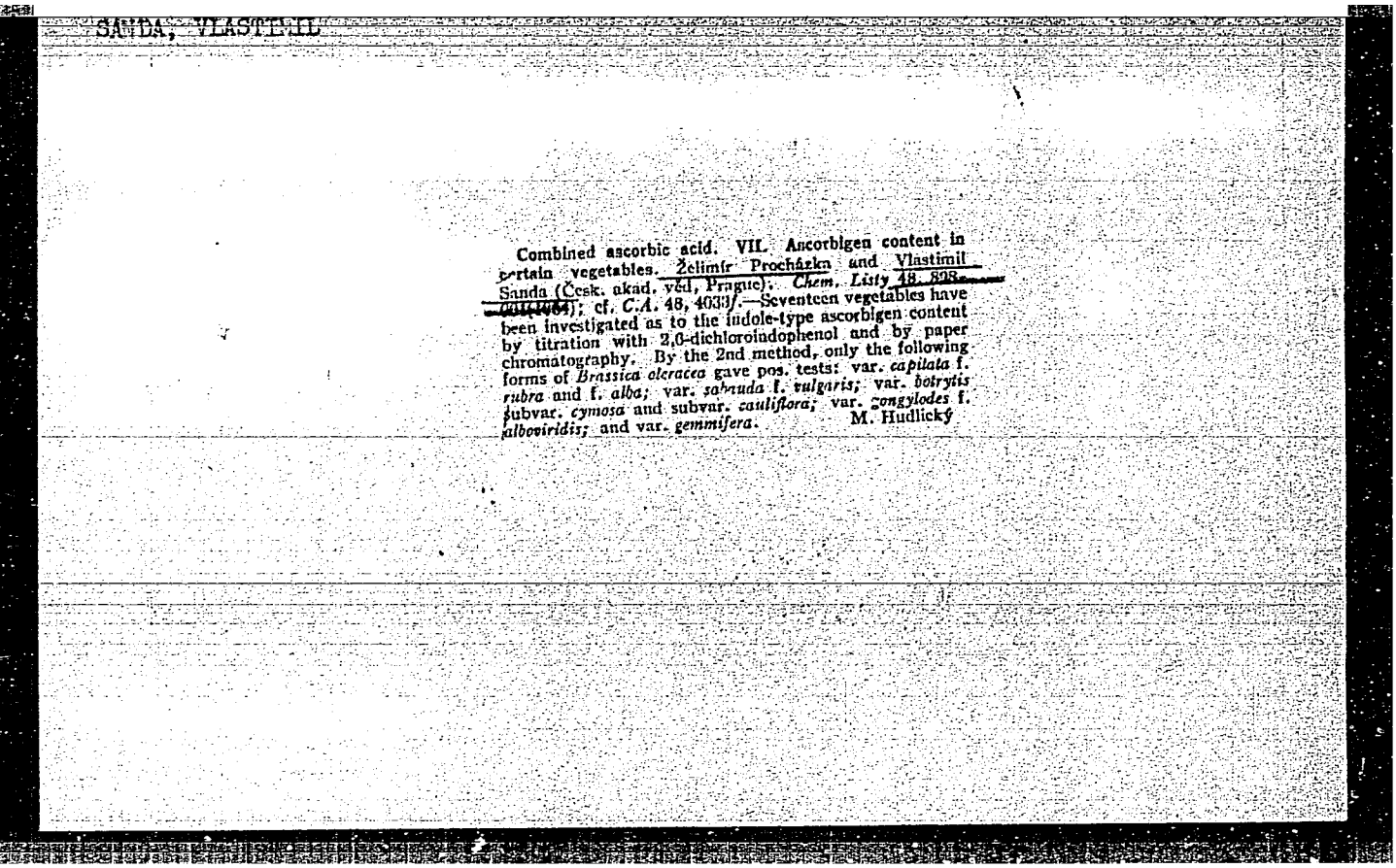
USSR.

2563. Determination of L-ascorbic acid by paper chromatography. V. Sanda (*Ceskosl. Farmac.*, 1954, 3 [3], 79–83; *Referativnyi Zh., Khim.*, 1954, Abstr. No. 50,264).—Ascorbic acid is chromatographed on Schleicher and Schüll No. 602 paper; with 50 per cent. methanol as solvent, the R_F value is 0·7 to 0·8, and with water - *n*-butanol - glacial acetic acid (50:40:14·5) it is 0·6 to 0·7. The spots are detected with a 1 per cent. soln. of $AgNO_3$ in 10 per cent. aq. NH_3, 0·005 *N* iodine soln. in 0·4 per cent. starch soln., 0·04 per cent. aq. soln. of 2:6-dichlorophenolindophenol or u.v. light; the area of the spot is proportional to the concn. of ascorbic acid. The method is applicable to lemon juice, white-, red- and black-currants, tomatoes and green peppers. E. Hayes

CH

SANDA, V.

Calibration standards of β-carotene. J. Blattná, J. Krumphanzlová, and V. Sanda (Výzk. ústav potrav. technol., Prague, Czech.). *Průmysl Potravin* 5, 155–8(1954).—Of the different colored compds. tested, only analytically pure azobenzene or $K_2Cr_2O_7$ can be used as substitute standards for the estn. of β-carotene in biol. material. No conversion factor is needed when working with Pulfrich's photometer (filter S 47). L. J. Urbánek



SANDA, VLASTIMIL

Combined ascorbic acid. VII. Ascorbigen content in certain vegetables. Želimír Procházka and Vlastimil Sanda (Česk. akad. věd, Prague). *Chem. Listy* 48, 823–[illegible]; cf. *C.A.* 48, 4033f.—Seventeen vegetables have been investigated as to the indole-type ascorbigen content by titration with 2,6-dichloroindophenol and by paper chromatography. By the 2nd method, only the following forms of *Brassica oleracea* gave pos. tests: var. *capitata* f. *rubra* and f. *alba*; var. *sabauda* f. *vulgaris*; var. *botrytis* subvar. *cymosa* and subvar. *cauliflora*; var. *gongylodes* f. *alboviridis*; and var. *gemmifera*. M. Hudlický

SANDA, VLASTIMIL.

SANDA, Vlastimil; PROCHAZKA, Zelimir

Bound form of ascorbic acid, VIII.; determination of the bound form of ascorbic acid-ascorbigen. Cesk. farm. 4 no.2:63-64 Mar 55.

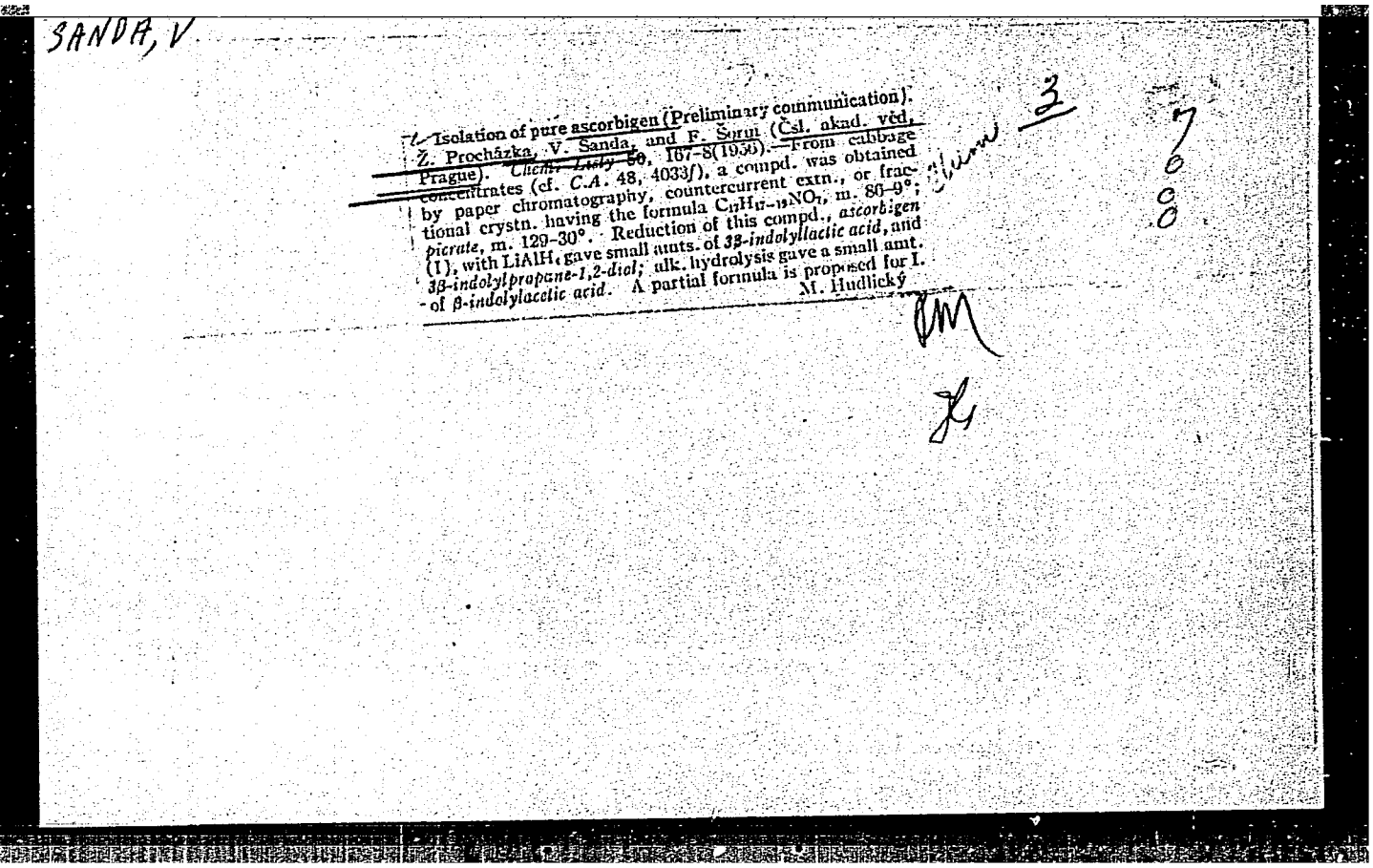
1. Z vyskumneho ustavu potravinarske technologie, Praha, a z ustavu organicke chemie, Czech. Akad. Ved, Praha.
(VITAMIN C, determination
bound)

SANDA, V.

L-ascorbic acid, ascorbigen. p. 463.

PRUMYSL POTRAVIN. Praha. Vol. 6, no. 9, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.



SANDA, V.

Isolation of pure ascorbigen (Preliminary communication). Z. Procházka, V. Sanda, and F. Šorm (Čsl. akad. věd, Prague). *Chem. Listy* 50, 167-8(1956).—From cabbage concentrates (cf. *C.A.* 48, 4033f), a compd. was obtained by paper chromatography, countercurrent extn., or fractional crystn. having the formula $C_{19}H_{18-19}NO_7$, m. 86–9°; *picrate*, m. 129–30°. Reduction of this compd., *ascorbigen* (I), with $LiAlH_4$ gave small amts. of *3β-indolyllactic acid*, and *3β-indolylpropane-1,2-diol*; alk. hydrolysis gave a small amt. of *β-indolylacetic acid*. A partial formula is proposed for I.
M. Hudlický

SANDA, V.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and H.
Their Application. Synthetic and Natural Medicinal
Substances. Galelicals and Medicinal Forms.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36054

Author : Sanda, V.
Inst :
Title : Determination of L-Ascorbic Acid.

Orig Pub : Ceskosl. farmac., 1958, 7, No 1, 28-32.

Abstract : A detailed review of the methods used in the quantitative determination of free L-ascorbic acid, dehydroascorbic acid and ascorbigen - the bonded forms of Vitamin C. Bibliography of 87 titles. -- T. Zvarova

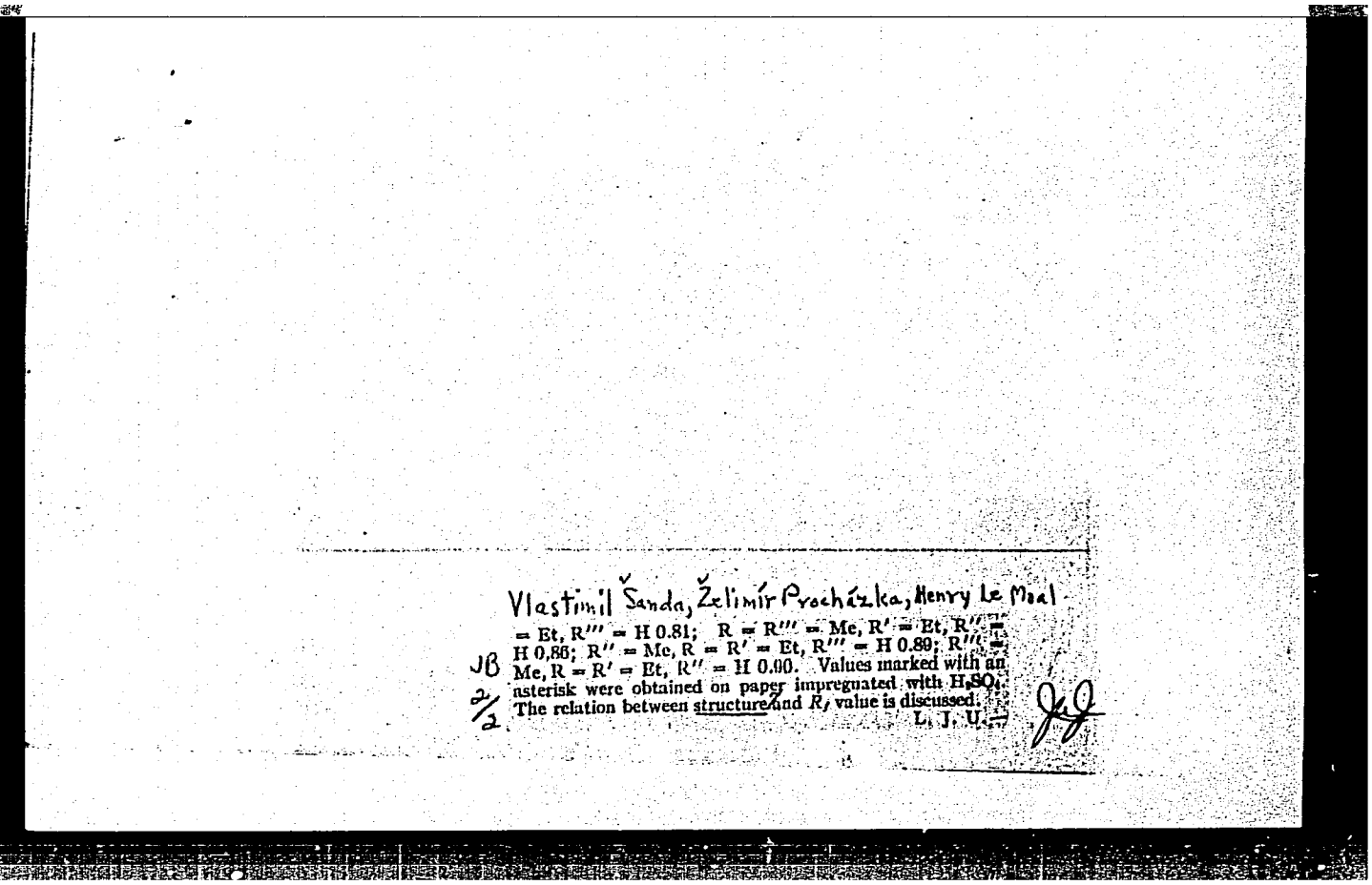
Card 1/1

Distr: 4E2c(j)

2 May 1

Relations of structure of R_f value of aliphatic dicarboxylic acids. Vlastimil Šanda, Želimír Procházka, and Henry Le Moal (Československ. akad. věd, Prague). *Chem. listy* 52, 1546-52(1958).—R_f values are given on Whatman Paper No. 4 in BuOAc satd. with H_2O and in CCl_4 with 2% AcOH for the following acids: oxalic 0.18°, —; malonic 0.25°, —; succinic 0.31, 0.02; glutaric 0.48, 0.03; adipic 0.63, 0.09; pimelic 0.77, 0.24; suberic 0.84, 0.42; azelaic 0.90, 0.66; sebacic 0.93, 0.80; methylmalonic 0.50°, 0.03; ethylmalonic 0.72°, 0.05; methylsuccinic 0.55, 0.09; α-methylglutaric 0.71, 0.11; β-methylglutaric 0.70, 0.10; α,α-dimethylsuccinic 0.73, 0.12; propylmalonic 0.89°, 0.11; α-methyl-α-ethylsuccinic 0.84, 0.37; α,α-dimethylglutaric 0.84, 0.40; β,β-dimethylglutaric 0.83, 0.33; diethylmalonic 0.90°, 0.34; butylmalonic 0.90°, 0.31; β,β-dimethyladipic 0.84, 0.42; α,α-dimethyladipic 0.89, 0.54; α,α-diethylsuccinic 0.87, 0.54; dipropylmalonic 0.95°, 0.68; β,β-dimethylsuberic 0.94, 0.80; α,α'-dimethylsuberic front, 0.83; isoamylethylmalonic front°, front; $HO_2C(CH_2)_4CO_2Me$ —, 0.68; $HO_2C(CH_2)_5CO_2Me$ —, 0.80; $HO_2C(CH_2)_6CO_2Me$ —, 0.86; maleic 0.26 (0.34°), —; fumaric 0.59 (0.34°), —; citraconic 0.11 (0.44°), —; mesaconic 0.73 (0.80°), —; itaconic 0.43 (0.49°), —; glutaconic 0.52 (0.54°), —; muconic 0.67 (0.75°), —; *cis*-1,2-cyclohexanedicarboxylic 0.81 (0.38°), —; *trans*-1,2-cyclohexanedicarboxylic 0.77 (0.31°), —; glycoxylic 0.05 (0.02°), —; glycollic 0.11 (0.13°), —; pyruvic double spot, —; lactic 0.24 (0.24°), —; tartaric 0.01 (0.01°), —; malic 0.04 (0.06°), —; levulinic 0.58 (0.55°), —; further R_f values for series of semiesters of the type $RR'C(CO_2R'')CH_2CO_2R'''$ are given in CCl_4 with 2% AcOH: R = R' = R'' = Me, R''' = H 0.70; R = R' = R''' = Me, R'' = H 0.78; R = R'' = Me, R'

JB 1/2



Vlastimil Šanda, Želimír Procházka, Henry Le Moal
= Et, R''' = H 0.81; R = R''' = Me, R' = Et, R'' =
H 0,86; R'' = Me, R = R' = Et, R''' = H 0.89; R''' =
Me, R = R' = Et, R'' = H 0.00. Values marked with an
asterisk were obtained on paper impreguated with H_2SO_4.
The relation between structure and R_f value is discussed.
L. J. U.

B

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Physical Chemistry. Surface Phenomena. Adsorption. Chromatography. Ion Exchange
ABS. JOUR. : RZKhim., No. 1 1960, No. 631

AUTHOR : Sanda, V.; Prochazka, Z.; Le Moal, H.
INST. :
TITLE : Interrelation Between the Structure and Values of R_f in the Series of Aliphatic Dicarboxylic Acids
ORIG. PUB. : Collect. Czechosl. Chem. Communs, 1959, 24, No 2, 420-427
ABSTRACT : No abstract.
See RZhKhim., No 18, 1959, No 63875.

CARD: 1/1

PROCHAZKA, Z.; SANDA, V.; MACEK, K.

Paper chromatography of indole derivatives. In German. Coll.Cz.Chem. 24 no.9:2928-2938 S '59. (EEAI 9:5)

1. Abteilung fur Naturstoffe, Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag. Forschungsinstitut fur Pharmazie und Biochemie, Prag.
(Chromatography) (Indole)

PROCHAZKA, Z.; SANDA, V.; JIROUSEK, L.

Isothiocyanates in savoy and Brussels sprouts. In German. Coll.Cz.Chem. 24 no.11:3606-3610 N '59. (KEAI 9:5)

1. Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag und Forschungsinstitut fur Endokrinologie, Prag.
(Isothiocyanates) (Savoy) (Brussels sprouts)

PROCHAZKA, Z.; SANDA, V.

On the bound form of ascorbic acid. XII. Isolation of pure ascorbigen and some other indole derivatives from Savoy cabbage. Coll Cz Chem 25 no.1:270-280 Ja '60. (EEAI 9:12)

1. Department of Natural Products, Institute of Chemistry, Czechoslovak Academy of Science, Prague.
(Ascorbic acid) (Indole) (Cabbage)

SANDA, V.

SURNAME, Given Names

(1)

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation: Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague

Source: Prague, Collection of Czechoslovak Chemical Communications, Vol 26, No 11, November 1961, pp 2734-2748

Data: "On Steroids. LXIII. Some Analogues of Androgens Substituted in Position 16."

Authors:

SANDA, V
FAJKOS, J

GEORGESCU, C.C.; SANDA, V.

Considerations on the anatomic modifications produced in Nardus stricta L. leaves by treatment with herbicides and inorganic fertilizers. Studii cerc biol s. bot 16 no. 2: 143-149 '64.

1. "Traian Savulescu" Institute of Biology, Laboratory of Morphology and Vegetable Systematics. 2. Corresponding Member of the Rumanian Academy (for Georgescu).

SANDA, V.; CIOBANU, I.R.; TUTUNARU, V.

Floristic studies on Istrita Hill. Studii cerc biol s. bot 16 no.6:477-495 '64.

1. Laboratory of Morphology and Vegetable Systematics, "Traian Savulescu" Institute of Biology.

SANDA, V.; DIHORU, Gh.

Contributions to the knowledge of Dobruja flora. Comunicarile AR 12 no.11:1179-1184 N '62.

1. Comunicare prezentata de C.C.Georgescu, membru corespondent al Academiei R.P.R.

VALENTA, Miloslav, inz., Sc.C.; KUTACEK, Milan, dr., Sc.C.; SANDA, Vlastimil, inz., Sc.C.

Determination of indole derivatives in plants. Part 4: Colorimetric and fluorimetric determination of the substance C. Rost vyroba 8 no.11/12:1487-1498 D '62.

1. Vysoka skola zemedelska, katedra chemicka, Praha; Ustav organicke chemie a biochemie, Ceskoslovenska akademie ved, Praha.
2. Laborator pro biologii rozmnozovani, Libechov (for Valenta).
3. Ustredni vyzkumny ustav rostlinne vyroby, Ruzyne (for Kutacek).

ZDENEK SANDA

SVATOPLUK REHAK; ZDENEK SANDA

Reactibility of peripheral vessels in glaucoma. Cesk. ofth. 14 no.1: 19-27 Feb 58.

1. Ocni klinika (prednosta: prof. dr. M. Klima) a II. interni klinika (prednosta: doc. dr. V. Jurkovic) Vojenske lekarske akademie J. Ev. Purkyne. Adres Autora: S. R., ocni Klinika VLA, Hradek Kralove.

(GLAUCOMA, physiol.
peripheral blood vessels, plethysmography (Cz))
(BLOOD VESSELS, in var. dis.
glaucoma, peripheral vessel changes, plethysmography (Cz))

HERCUT, Vladimir; VONDRACKOVA, Anna; SANDA, Zdenek; KOTRLIK, Jiri; PECHACEK, Miroslav.

Fatal herpetic encephalitis. Anatomical and virclogical findings. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:433-442 '65.

1. Patologicko-anatomicky ustav (prednosta: prof. MUDr. A. Fingerland , DrSc.).; Ustav lekarske mikrobiologie (prednosta: MUDr. O. Vejbora); Interni oddeleni nemocnice v Jicine (prednosta: doc. MUDr. Z. Sanda, CSc.) a Infekcni klinika (prednosta: prof. MUDr. J. Ondracek) Karlovy University v Hradci Kralove.

CZECHOSLOVAKIA

SANDA, Z., KRAL, B., and HORAK, J., Second Clinic of Internal Medicine (II. interni klinika), Faculty of Medicine (Lekarska fakulta), Charles University, Hradec Kralove, Docent Dr V. JURKOVIC, director.

"Electrocardiographic and Vectocardiographic Picture of So-Called Incomplete Block of the Right Ramus of Tawara Ramus Septi Fibrosi in Sportsmen"

Prague, Casopis Lekaru Ceskych, Vol CII, No 27-28, 8 July 1963, pp 749-753.

Abstract: Authors investigated changes in the RSR complex in 14 sportsmen during respiration, Burger's test, surgery stimulating the vagus, during a combination of inspiration and vagus stimulation, and after strain. During inspiration, Burger's test and combined test the picture improved considerably and disappeared altogether in many instances. The vagus stimulation did not change the picture. Results of a vectocardiographic analysis are given. Reasons are indicated for the development of an incomplete block of the right ramus of Tawara (ramus septi gibrosi). Twenty-seven references, including 3 Czech.

1/1

SANDA, Z.; KRAL, B.; HORAK, J.

Electrocardiographic and vectorcardiographic picture of so-called incomplete block of the right ramus of Tawara in athletes. Cas. lek. cesk. 102 no.27/28:749-753 8 Jl '63.

1. II.interni klinika lekarske fakulty KU v Hradci Kralove, prednosta doc. dr. V. Jurkovic.

(ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)
(CORONARY VESSELS) (HEART CONDUCTION SYSTEM)
(HEART BLOCK) (SPORT MEDICINE)

SANDA, Z.; STEINMANN, B.

Pneumoperitoneum during gastroscopy. Cesk. gastroent. vyz. 17 no.5:295-299 Jl '63.

1. Interni oddeleni OUNZ v Jicine, vedouci MUDr. B. Steinmann.
(GASTROSCOPY) (PNEUMOPERITONEUM)
(PERITONITIS)

SANDA, Zdenek, doc. MUDr., CSc.; JELINEK, Zdenek

Ehlers-Danlos syndrome. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:743-747 '64.

1. Interni oddeleni Obvodniho ustavu narodniho zdravi, Jicin (prednosta: Doc. MUDr. Z. Sanda, CSc.), Lekarske fakulty Karlovy University v Hradci Kralove.

CZECHOSLOVAKIA

VOKROUHLICKY, L.; JURKOVIC, V.; FIALA, J.; SANDA, Z., Jr.; Chair of Pathological Physiology, 2nd Internal Clinic, Medical Faculty, Charles University (Katedra Patologicke Fysiologie, 2. Interni Klinika, Lek. Fak. KU), Hradec Kralove.

"Changes in the Effect of Digitalis After Irradiation."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 421

Abstract: The reaction of the heart digitalis after irradiation was investigated. Experiments were conducted on rabbits 6 days after irradiation with 1000 r, administered either on the whole body or locally on the heart region and the head. A dose of 0.08 mg/kg of Lantoside C was administered i.v. The occurrence of temporary and agonal arrhythmias was reduced by irradiation. The findings did not differ from each other irrespective of which part of the body (heart region, head, or whole body) was irradiated. The effect is explained by a change in the reactivity of the CNS caused by irradiation. 1 Western, 1 Czech, 2 Russian references. Submitted at the Plenary Meeting of the Physiological Section of the Czech. Med. Soc. at Hradec Kralove, 2 Feb 66.

1/1

SANDAGZHAV, G.

30-12-36/45

AUTHOR: None Given.

TITLE: Defense of Dissertations (Zashchita Dissertatsiy). January - July 1957 (Yanvar' - iyul' 1957) Section of Geological-Geographical Sciences (Otdeleniye geologo-geograficheskikh nauk)

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 12, pp. 113-115 (USSR)

ABSTRACT: At the Institute for Geography (Institut geografii). Applications for the degree of Doctor of Geographical Sciences: D. L. Armand Physical-geographical bases of the projecting of a network of protective forests (Fiziko - geograficheskiye osnovy proyektirovaniya seti zashchitnykh lesnykh nasazhdeniy). A. S. Dobrov - Great Britain (economic geography) (Velikobritaniya (ekonomicheskaya geografiya). Applications for the degree of Candidate of Geographical Sciences: M. A. Zolotarev - The causes of climatic development in the ice age - with respect to anthropogenesis (Prichiny formirovaniya klimata lednikovogo perioda - antropogena). G. Sandagzhav - The central part of North Mongolia (economic geographical characterization (Tsentral'naya chast' Severnoy Mongolii ekonomiko-geograficheskaya kharakteristika).

Card 1/6

Defense of Dissertations. 30-12-36/45
January - July 1957.
Section of Geological-Geographical Sciences

At the Permafrost Institute imeni V. A. Obruchev (Institut merzlotovedeniya imeni V. A. Obrucheva). Application for the degree of Doctor of Geographical Sciences: N. A. Grave - The conditions of and the rules governing the development of rocks frozen in for many years in the Chuckchee country and on Kamchatka (Usloviya i zakonomernosti razvitiya mnogoletnemerzlykh gornykh porod v Chukotsko -Koryakskoy strane i na Kamchatke). Applications for the degree of Candidate of Geological-Mineralogical Sciences: N. P. Anisimova - The chemical composition of shoveground and subterranean waters of the catchment drainage area of the Lena middle reaches as an index of the geocryological conditions of their formation (Khimicheskiy sostav poverkhnostnykh i podzemnykh vod basseyna srednego techeniya reki Leny kak pokazatel' geokriologicheskikh usloviy ikh formirovaniya). I. V. Boyko - Investigations of the dependence of the phase composition and the mechanical properties of the frozen soil on temperature and pressure (Issledovaniya zavisimosti fazovogo

Card 2/6

sostava i mekhanicheskikh svoystv merzlykh gruntov ot temperatury i davleniya). Application for the degree of Candidate of Geographical Sciences: N. G. Bobrov - The peculiar features of the mass of rocks frozen for many years and their accompanying formations in the Southern Koryak district and on Northern Kamchatka (Osobennosti tolshchi mnogoletnemerzlykh gornykh porod i soputstvuyushchikh im obrazovaniy v Yuzhno-Koryakskoy strane i na Severnoy Kamchatke).
At the Instute for the Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry (Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii). Applications for the degree of Doctor of Geological-Mineralogical Sciences: Yu. P. Ivensen - The forming of granite pegmatites in connection with the development of geological structure. (Stanovleniye granitnykh pegmatitov v svyazi s razvitiyem geologicheskoy struktury). A. S. Povarennykh - crystallochemical bases of the modern text book of Mineralogy (Kristallokhimicheskiye osnovy sovremennogo

Defense of Dissertations.
January - July 1957.
Section of Geological-Geographical Sciences

uchebnika mineralogii). M. G. Rub - Granitoids of the Khankai District and the essential features of their property of containing metal (Granitoidy Prikhankayskogo rayona i osnovnyye cherty ikh metallonosnosti). Application for the degree of Candidate of Geological Sciences: K. N. Rudich - Magma formations of the central parts of the Sarytchev chain and its content of ore (Magmaticheskiye obrazovaniya tsentral'noy chasti tsepi Sarycheva i ikh rudonosnost').

At the Institute for Geology (Geologicheskiy institut). Applications for the degree of Doctor of Geological-Mineralogical Sciences: V. A. Balayev -Devonian deposits of the central and southern regions of the Volga-Ural province second Baku in connection with the perspectives concerning their oil-containing properties (Devonskiye otlozheniya tsentral'nykh i yuzhnykh rayonov Volgo-Ural'skoy provintsii (Vtorogo Baku) v svyazi s perspektivami ikh neftenosnosti). P. A. Mchedlishvili - The biostratigraphical importance and the paleoecology of the Neogean floras of the Caucasus (Biostratigraficheskoye znacheniye i paleoekologiya neogenovykh

Card 4/6

Defense of Dissertations.
January - July 1957.
Section of Geological-Geographical Sciences

flor Kavkaza). P. Ye. Offman - Tectonics and volcanic tubes of the central part of the Siberian Plateau (Tektonika i vulkanicheskiye trubki tsentral'noy chasti Sibirskoy platformy). Applications for the degree of Candidate of Geological-Mineralogical Sciences: Ye. M. Zhgenti - Development of the mollusc fauna of Georgia Conchitic Horizon (Razvitiye mollyuskovoy fauny konkskogo gorizonta Gruzii). O. A. Lipina - Foraminifers and stratigraphy of the boundary layers of the Devonian - and mineral coal system and the Tourné stage of the eastern part of the Russian Plateau and of the Western slope of the Ural Mountains (Foraminifery i stratigrafiya pogranichnykh sloyev devonskoy i kamennougol'noy sistem i turneyskogo yarusa vostochnoy chasti Russkoy platformy i zapadnogo sklona Urala). V. I. Murav'yev - Mineralogy and petrography of the continental mass of the western part of the Vilyuy depression (Mineralogiya i petrografiya kontinental'noy tolshchi zapadnoy chasti Vilyuyskoy vpadiny). G. I. Nosov - Lithology of the Turan-Konyak mass of the chalk on the right bank of the river Don

Card 5/6

Defense of Dissertations.
January - July 1957. 30-12-36/45
Section of Geological-Geographical Sciences

(Litologiya turansko-kon'yakskoy tolshchi mela pravoberezh'ya Dona). I. A. Rezanov - tectonics and seismism of the Turkmenian Choran mountains (Tektonika i seysmichnost' Turkmeno-Khorasanskikh gor). B. S. Rusanov - Aeromethods of geomorphological map plotting when searching for mineral fields (Aerometody geomorfologicheskogo kartirovaniya pri poiskakh rossypey).

AVAILABLE: Library of Congress.

1. Geography 2. Permafrost 3. Mineralogy 4. Geology

Card 6/6

SANDAKHCHIYEV, I.S.

Effect of recovery rate on oil production in solution gas drive. Nauch.-tekh. sbor. po dob. nefti no.15:39-42 '61. (MIRA 15:9)

1. Turkmenskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta.
(Oil reservoir engineering)

SANDAKHCHIYEV, I.S.

Effect of deviations from thermodynamic equilibrium on the average reservoir characteristics in depletion drive. Nauch.-tekh.sbor.po dob.nefti no. 18:58-61 '62. (MIRA 17:6)

SANDAKHCHIYEV, I.S.; KHOLODNYAK, A. Yu.; ERMANOVA, A.V.

Experimental unit for modeling fluid flow through porous media.
Trudy Turk. fil. VNII Part. C no.6:82-88 '63 (MIRA 17:7)

SANDAKHCHIYEV, L.A.; MAMAYEV, V.P.

Dihydrouracils. Izv. Sib. otd. AN SSSR no.7:72-76 '61. (MIRA 14:8)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

(Hydrouracil)

MAMAYEV, V.P.; SANDAKHCHIYEV, L.S.

Synthesis of β-trypotophan. Zhur.VKHO 6 no.3:350-352 '61.
(MIRA 14:6)

1. Novosibirskiy institut organicheskoy khimii.
(Tryptophan)

MAMEYEV, V.P.; SANDAKHCHIYEV, L.S.

Synthesis of dihaloid-substituted β-tyrosines. Izv.Sib.otd. AN SSSR no.1:68-77 '62. (MIRA 15:3)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Tyrosine)

ALTUNINA, V.K.; VASILENKO, S.K.; KORZHEV, V.A.; SANDAKHCHIYEV, L.S.

Isolation and characteristics of soluble RNA from brewer's yeast. Biokhimiia 29 no. 1:53-57 Ja-F '64. (MIRA 18:12)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk. Submitted March 21, 1963.

FROLOVA, L. Yu; SANDAKHCHIYEV, L.S.; KNORRE, D.G.; KISELEV, L.L.

Isolation of individual fractions of transfer ribonucleic acids by using polyacrylhydrazide agar gel. Dokl. AN SSSR 158 no.1:235-238 S-O'64 (MIRA 17:8)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR i Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom V.A. Engel'gardtom.

MIRZABEKOV, A.D.; KRUTILINA, A.I.; RESHETOV, P.D.; SANDAKHCHIYEV, L.S.; KNORRE, D.G.; KHOKHLOV, A.S.; BAYEV, A.A.

Preparative production of enriched valine-acceptor transfer RNA from baker's yeast. Dokl. AN SSSR 160 no.5:1200-1202 F '65. (MIRA 18:2)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Novosibirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR i Institut khimii prirodnykh soyedineniy AN SSSR. Submitted June 9, 1964.

KNORRE, D.G.; NAUMOVA, L.P.; SANDAKHCHIYEV, L.S.

Reaction of aminoacylated transfer RNA with polyacrylic acid in the presence of water-soluble carbodiimide. Biokhimiia 30 no.5:993-998 S-O '65. (MIRA 18:10)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

SANDAKOV, M. V.

Tablitsy dlia podbora shesteren. Izd. 2., dopoln. Sverdlovsk, /Mashgiz/ 1946. 475 p.

Gear matching tables.

DLC: TJ185.S3 1946

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SANDAKOV, N.V.

Technology

Tables for the selection of bearings. Sverdlovsk, Mashgiz, 1951.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, DECEMBER 1952. UNCLASSIFIED.

SM[illegible]NOV, N. V.

Tablitsy dlia podbora shesteren [Tables for the selection of cogwheels]. Prilozhenie k 3-mu izd. Sverdlovsk, Mashgiz, 1953. 280 p.

SO: Monthly List of Russian Accessions, Vol 7, No 4, July 1954.

SANDAKOV, Mikhail Vasil'yevich; SHUNAYEV, B.K., kand.tekhn.nauk, retsenzent; YERMAKOV, N.P., tekhn.red.

[Tables for selecting drive gears] Tablitsy dlia podbora shesteren. Izd.4., dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 563 p. (MIRA 13:4)
(Gearing--Tables, calculations, etc.)

MANUKYAN, A.A.; RYDVANOV, N.F.; BELOUS, T.Ya.; SVIRIDOVA, Z.P.; CHEBOTAREVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; LUTSKAYA, Ye.Ye.; BRAGINA, N.M.; SANDAKOV, V.A.; MUSSO, S.; ZABLOTSKAYA, A.I.; VDOVICHENKO, D.I.; MIRKINA, I.Z.; MORENO, I.; SIDOROV, V.F.; MOKLYARSKIY, B.I.; GRECHIKHIN, A.A.; KOSOVA, V.A.; KULIKOV, N.I.; ZHDANOVA, L.P.; ROZENTAL', Ye.I.; PETRANOVICH, I.M.

[Economic conditions of capitalist countries; survey of economic trends in 1961 and the beginning of 1962] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'iunkturnyi obzor za 1961 g. i nachalo 1962. g. Moskva, Izd-vo "Pravda," 1962. 157 p.
(MIRA 16:9)

1. Sotrudniki kon"yunkturnogo sektora Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR.
(Economic history)

L 62859-65

ACCESSION NR: AP5019039 UR/0286/65/000/012/0070/0070
624.953 : 621.642.34

AUTHOR: Zalavin, K. P.; Kolpachev, Yu. G.; Okhotnikov, A. A.; Kireyev, V. G.; Rashidov, N. F.; Grishin, M. S.; Sandakov, Ye. A.; Golovanov, G. F.; Plyshevskiy, I. V.

TITLE: A tank for storage and transportation of liquids. Class 37, No. 172022

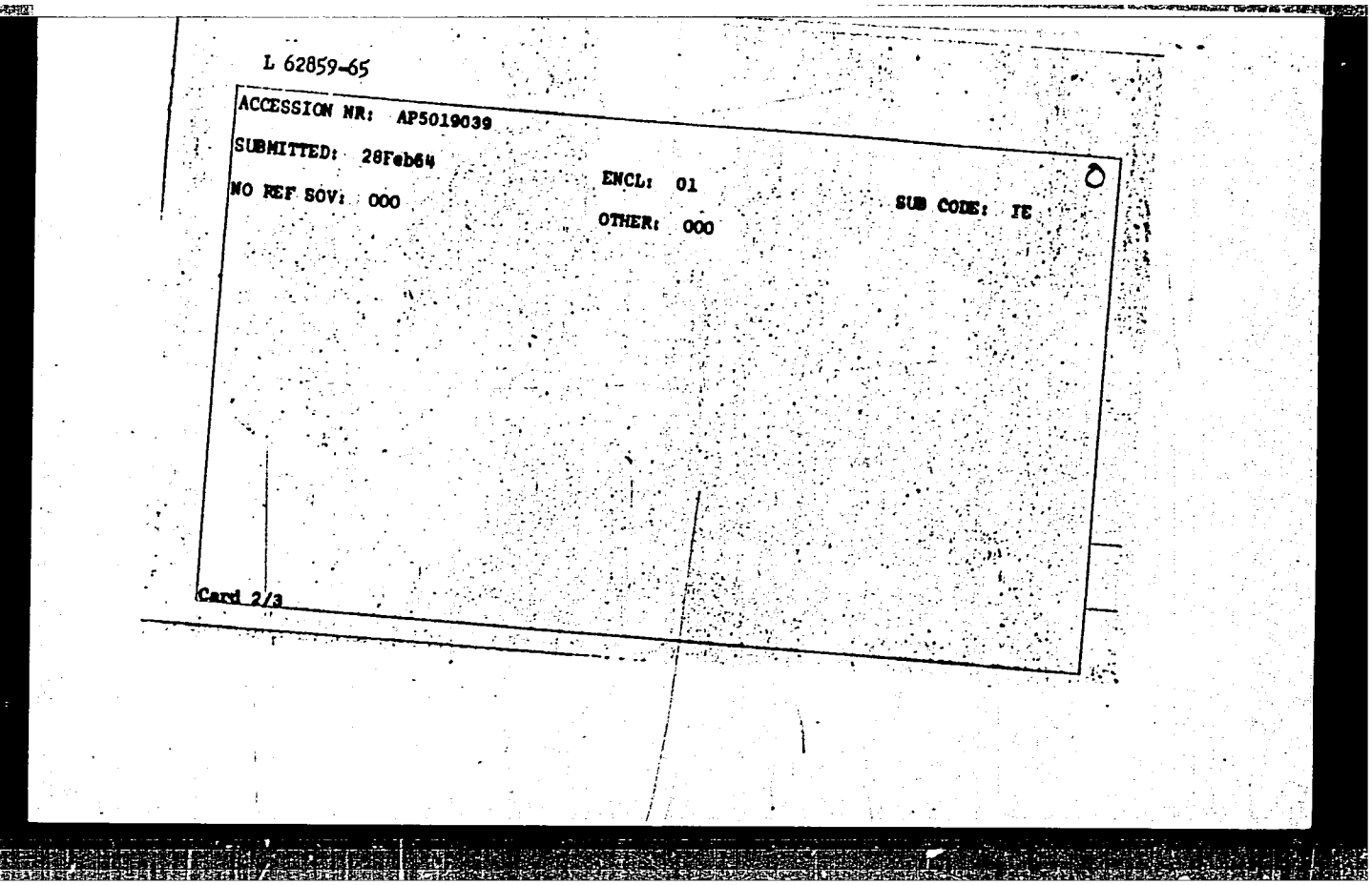
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 70

TOPIC TAGS: liquid storage, tank

ABSTRACT: This Author's Certificate introduces: 1. A tank for storage and transportation of a liquid. The unit is made of an elastic material in the form of a truncated cone with a neck and a ring. The floating ring is mounted on the outside of the neck and can be replaced so that buckling of the rim of the neck can be avoided in case the ring is damaged. 2. A modification of this tank in which the floating ring is made replaceable by covering it with a sleeve which is fastened to the neck by straps.

ASSOCIATION: none

Card 1/3



L 62859-65

ACCESSION NR: AP5019039

SUBMITTED: 28Feb64 ENCL: 01 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/3

L 24512-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6007680 SOURCE CODE: UR/0413/66/000/003/0050/0050

AUTHOR: Pakushin, G. N.; Bush, V. P.; Sandakov, Ye. A.; Gazizov, R.F.; Rashidov, N. F.; Todyshev, Yu. G.; Kireyev, V. G.

ORG: none

TITLE: Elastic container for storing and transporring liquids. Class 33, No. 178459

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 50

TOPIC TAGS: liquid container, portable container, elastic container

ABSTRACT: An Author Certificate has been issued describing a portable elastic container for storing and transporring liquids, which has a detachable fastener for the filling opening. To facilitate cleansing of the internal surface, the detachable fastener is a part of the filling opening which is equipped with clamping strips and a brass-type lock. To prevent the liquid from shifting in the container when it is partly full, there is a tightening belt attached to one of the clamp strips at the bottom of the container. (see Fig. 1). [LD]

Card 1/2 UDC: 685.514.32

L 24512-66

ACC NR: AP6007680

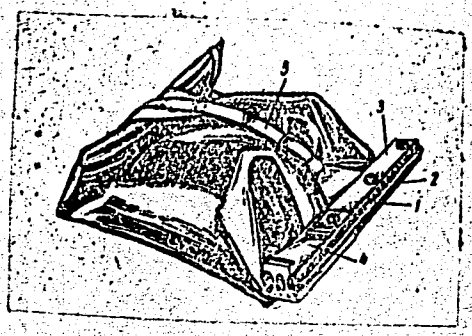


Fig. 1. Elastic containers for storing and transporting liquids. 1 - filling opening; 2 and 3 -- clamping strips; 4 - brass-type lock; 5 - tightening belt.

SUB CODE: 1/3 SUBM DATE: 20Nov64/

Card 2/2 BLG

3(1) PHASE I BOOK EXPLOITATION SOV/2731

Sandakova, E. V., Candidate of Physical and Mathematical Sciences

"Nezvychayni" nebesni yavyshcha (Unusual Celestial Phenomena) Kyyiv, 1958. 34 p. 75,000 copies printed.

Sponsoring Agency: Tovarystvo dlya poshyrennya politychnykh i naukovykh znan' Ukrayins'koyi RSR.

General Ed.: I. H. Kolchyns'kyy, Candidate of Physical and Mathematical Sciences; Ed.: M. F. Lazorenko.

PURPOSE: This booklet is intended for the general reader interested in meteorology and earth science.

COVERAGE: This booklet gives simple descriptions, understandable to the layman, of unusual sky phenomena. Although the phenomena treated are not of everyday nature, they are not rare. Such subjects as aurora borealis, haloes, rainbows, eclipses, comets, meteorites, and the like are explained. The only truly unusual occurrence is explained in the chapter "Unusual Rain". No personalities are mentioned. No references are given.

Card 1/2

Unusual Celestial Phenomena SOV/2731

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (QC975.S3)

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MM/fal
12-30-59

SANDAKOVA, N. N., Candidate Phys-Math Sci (diss) -- "On Dirichlet analyses for p-dimensional crystallographic spatial groups". Moscow, 1959. 6 pp (Acad Sci USSR, Math Inst im V. A. Steklov), 160 copies (KL, No 23, 1959, 160)

16(1)

AUTHOR: Sandakova, N.N. SOV/20-124-2-8/7[illegible]

TITLE: On Dirichlet Division for n-Dimensional Fedorov Groups
(O razbiyeniyakh Dirikhle dlya n-mernykh Fedorovskikh grupp)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 274-277 (USSR)

ABSTRACT: In the Euclidean space W let be given an n-dimensional motion group G (Fedorov-group) and a point A; let $\{A_G\}$ be the set of points arising from A by G. The totality of the Dirichlet domains of the points of $\{A_G\}$ forms a certain division of W in convex polyhedra; the author speaks of the Dirichlet-division D corresponding to G and A. The determination of the D is carried out with the aid of the old method of the "empty sphere" of B.N.Delone [Ref 2,3,4]. A great number of definitions and three theorems are given. The author hints to the possibility to apply the results to the old investigations due to Voronoy [Ref 1]. There are 5 references, 3 of which are Soviet, 1 Canadian, and 1 Swiss.

ASSOCIATION: Matematicheskiy institut imeni V.A,Steklova Akademii nauk SSSR
(Mathematical Institute imeni V.A.Steklov, AS USSR)

Card 1/2

L 26177-66 EWT(d) IJP(c)

ACC NR: AP6017469 SOURCE CODE: UR/0020/65/162/006/1230/1233

18
B

AUTHOR: Delone, B.N. (Corresponding member AN SSSR); Sandakova, N. N.; Ryshkov, S. S.

ORG: none

TITLE: Optimal cubature lattice for completely smooth functions of two variables

SOURCE: AN SSSR. Doklady, v. 162, no. 6, 1965, 1230-1233

TOPIC TAGS: differential calculus, mathematic transformation, hodograph

ABSTRACT: The following theorem is proved: The lattice Γ_1^2, constructed on a right triangle, is a two-dimensional optimum lattice for any $m \geq 2$. Methods of differential calculus, as well as two previously developed lemmas, are used for the proof: 1) The sum $\sum 1/r^{2m}$, for $m \geq 2$, for any vertex of a right triangle centered on point 0 is minimum with respect to all triangles obtained from it by equi-affine transformation, differing little from the initial triangle and leaving point 0 in place. 2) Let there be an n-dimensional lattice Γ having minimum distances a between its points. If, for its equi-affine lattice Γ', the minimum a' is sufficiently small ($a' < \lambda a$, where λ is less than some $\lambda_0 < 1$) then $S_{m,\Gamma'} < S_{m,\Gamma}$. The constant λ_0 is

2

Card 1/2

L 26777-66

ACC NR: AP6017469

analyzed in detail. Finally, a hodograph is shown for hyperbolic rotations for which the component introduced by the equi-affine representation of a right triangle centered at point O and a unit leg is equal to the component introduced by the triangle itself. Orig. art. has: 2 figures, 1 formula. [JPRS]

SUB CODE: 12 / SUBM DATE: 19Mar65

Card 2/2

DELONE, B.N.; SANDAKOVA, N.N.

Theory of stereohedrons. Trudy Mat.inst. 64:28-51 '61.
(MIRA 15:3)

(Polyhedra) (Topology) (Hyperspace)

DELONE, B.N.; SANDAKOVA, N.N.; RYSHKOV, S.S.

Optimal cubature lattice for functions of two variables that are smooth on all sides. Dokl. AN SSSR 162 no.6:1230-1233 Je '65. (MIRA 18:7)

1. Chlen-korrespondent AN SSSR (for Delone).

SANDAKOVA, N.N.

Proof of analogues of Minkowski's and Voronoi's theorems for three-dimenisonal isogonal partitions related to a group of parallel translations. Dokl. AN SSSR 154 no.2: 271-273 Ja'64. (MIRA 17:2)

1. Matematicheskiy institut im. V.A. Steklova AN SSSR. Predstavleno akademikom I.M. Vinogradovym.

SANDAKOVA, Ye. V.

VSEKHSVYATSKIY, S.K.; SANDAKOVA, Ye.V.

Position of asteroids and comets based on observations of Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.3:93-95 '50.
(Comets) (Planets, Minor) (MLRA 7:9)

SANDAKOVA, Ye. V.

SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Determining positions and luminosity of asteroids from observations of Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.4:103-117 '50. (MLRA 7:9)
(Planets, Minor)

KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA,N.A.

Observation of minor planets made at the Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.5:169-192 '53. (MLRA 7:6)
(Planets, Minor)

KONOPLEVA, P.V.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Observations of minor planets and comets at the astronomical observatory of Kiev State University in 1951. Publ.Kiev.astron. obser.no.6:91-111 '54. (MLRA 9:4)
(Planets, Minor) (Comets)

SANDAKOVA, Ye. V.

Sandakova, Ye. V. - "The Determination of Color Indexes of Small Planets." Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner State U imeni A. M. Gor'kiy. Kiev, 1956 (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

SANDAKOVA, Ye.V.

KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Observations of minor planets at the Astronomical Observatory of Kiev State University. Publ. Kiev. astron. obser. no.7: 105-111 '56. (MLRA 9:12)

(Planets, Minor)

SANDAKOVA, Ye.V. [Sandakova, IE.V.], kand. fiz.-mat. nauk; KOLCHINSKIY, I.G., kand. fiz.-mat. nauk, red.; LAZORENKO, M.F., red.

["Unusual" celestial phenomena] "Nezvychaini" nebesni iavyshcha. Kyiv, To-vo dlia poshyrennia polit. i nauk. znan' URSR, 1958. 34 p. (MIRA 11:7)

(Meteorological optics) (Astronomy)

SANDAKOVA, Ye.V.

Determining color indices of bright minor planets. Publ.KAO no.8:21-37 '59. (MIRA 14:9)
(Planets, Minor)

SANDAKOVA, Ye.V.

Photometry of meteors. Mezhdunar. geofiz. god. [Kiev] no.2:43-46 '60. (MIRA 14:1)

1. Astronomical Observatory of Kiyev State University.
(Meteors) (Photometry, Astronomical)

41296

S/035/62/000/010/055/128
A001/A101

AUTHOR: Benyukh, V.V, Gavlovskaya, A. A., Konopleva, V. P., Krivutsa, Yu.N., Kruchinenko, V. G., Sandakova, Ye. V., Terent'yeva, A. K.

TITLE: Photographic observations of meteors at the observatory of the Kiyev University in 1957

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 62, abstract 10A459 ("Sb. rabot po Mezhdunar. geofiz. godu. Kiyevsk. un-t", 1961, no. 1, 3 - 15)

TEXT: Double photographic observations of meteors were conducted by means of fixed four-camera (D=100 mm, F=250 mm) installations during all clear moonless nights of the second half of 1957. A shutter rotating at a speed of 1,400 rpm was mounted in front of the cameras at one of the points. 141 meteors were photographed, of which 14 from two points. The results of processing 10 meteors are presented in the article. The photographs were measured with a КИМ -3 (KIM-3) measuring machine. Five meteors were processed on a "Strela" computer, the remaining ones - manually. Photographic photometry of the meteors was carried

Card 1/2

Photographic observations of meteors at the...

out by relating to diurnal stellar trails, and for some of them also by relating to images of artificial meteors. The tables yield the results of determining flight instants (with an accuracy of 2 - 29 min), coordinates of radiants, velocity and braking in the middle section of the visible trajectory, extra-atmospheric velocity, altitude of the start, maximum brightness and end of the visible trail. Stellar magnitudes, masses and corresponding densities of the atmosphere are given for individual points of the trajectory. There are 8 references.

P. Babadzhanov

[Abstracter's note: Complete translation]

Card 2/2

SANDAKOVA, Ye.V.

Polychromatic photometry of minor planets. Izv. Kom. po fiz. plan. no.3:41-45 '61. (MIRA 15:3)

1. Astronomicheskaya observatoriya Kiyevskogo universiteta.
(Planets, Minor--Spectra)

S/169/62/000/011/064/077
D228/D307

AUTHORS: Sandakova, Ye.V. and Gavlovskaya, A.N.

TITLE: Reducing stellar meteor magnitudes to an international system

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 7, abstract 11G40 (Byul. Komis. po kometam i meteoram Astron. soveta AN SSSR, no. 6, 1961, 32-34)

TEXT: The photometric processing of IGY meteor data at the Astronomicheskaya observatoriya Kiyevskogo gosudarstvennogo universiteta (Astronomic Observatory, Kiev State University) is described.

[Abstracter's note: Complete translation]

Card 1/1

SANDAKOVA, Ye.V.

Photographic and photovisual magnitudes of stars in selected areas.
Publ.KAO no.9:27-30 '61. (MIRA 16:7)
(Stars—Magnitudes)

3.12.4.2

S/831/62/000/008/011/016
E032/E114

AUTHOR: Sandakova, Ye.V.

TITLE: On the photometry of meteors

SOURCE: Ionosfernyye issledovaniya (meteory). Sbornik statey, no.8. V razdel programmy MGG (ionosfera). Mezhduved. geofiz. kom. AN SSSR. Moscow, Izd-vo AN SSSR, 1962, 72-74

TEXT: The photometry of meteors at the Kiyevskaya observatoriya (Kiev Observatory) of the Gosudarstvennyy universitet imeni T.G. Shevchenko (State University imeni T.G. Shevchenko) was carried out by two methods, namely, by comparison with the diurnal motion of stars and by comparison with artificial meteors. In the first method class A0 stars from the Draper Catalogue were employed. Atmospheric absorption was obtained from Bemporad's tables and the photometric error was found experimentally. In this way the characteristic curve was obtained for the relation between the stellar magnitude of the standard stars and the micro-photometric readings for meteors. The stellar magnitudes of points on

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meteor trails could then be obtained by direct comparison (with corrections for atmospheric absorption at different zenith distances, the photometric field error, and the difference in the angular velocity of the stars and the meteor). Some of these corrections are, however, uncertain and it is better to use comparisons with artificial meteors. This method was developed by N.A. Yakovkin and has been described by him (Inform. byull. no.2 Orgkomiteta po MGG pri Prezidiume AN UkrSSR, 1959).
The final calibration curve must be corrected for the photometric field error, and the correction curve for the NAFA-3s/25 cameras is reproduced.
There are 3 figures.

V/B

SANDAKOVA, Ye.V.

Color indexes of minor planets. Publ. KAO no.10:3-15 '62.
(MIRA 16:7)

(Planets, Minor)

2

ACCESSION NR: AT4034463 S/3091/63/000/002/0003/0010

AUTHOR: Benyukh, V. V.; Vil'chinskaya, S. P.; Demenko, A. A.; Krivutsa, Yu. N.; Sandakova, Yo. V.; Terent'yeva, A. K.; Sherbaum, L. M.

TITLE: Photographic observations of meteors in 1958 at the Kiyevskaya astronomicheskaya observatoriya (Kiev Astronomical Observatory)

SOURCE: Kiyev. Universitet. Sbornik rabot po Mezhdunarodnomu geofizicheskomu godu, no. 2, 1963, 3-10

TOPIC TAGS: astronomy, meteor, upper atmosphere, photographic meteor

ABSTRACT: In 1958 photographic observations of meteors were made at two base stations at Kiev University using an AS-II meteor patrol with fixed cameras. The description of the patrol apparatus, coordinates of the observation stations and other general information on the observation method have been presented earlier (Sbornik statey po MGG Kiyevskogo universiteta, No. 1, 1960). The methods and formulas used in determination of various meteor parameters are reviewed briefly. The basic contribution of the paper is presentation of data obtained by processing of 21 base photographs of meteors. Table 1 gives general information concerning the 21 meteors - angular length of the meteor in degrees, the value of braking at the heights H_1 and H_2, extra-atmospheric velocity, maximum absolute stellar magni-

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ACCESSION NR: AT4034463

tude reduced to the international visual system, heights of appearance and disappearance and other parameters. Table 2 gives information on each meteor at several points of the path. "The following persons participated in the processing of the published data: I. V. Kozhevnikova, L. M. Kozhevnikov, V. G. Kruchinenko, A. K. Suslov and Zh. M. Shcherban'". Orig. art.has: 7 formulas and 2 tables.

ASSOCIATION: Kiyevskiy Universitet (Kiev University)

SUBMITTED: 00 DATE ACQ: 07May64 ENCL: 00

SUB CODE: AA NO REF SOV: 003 OTHER: 001

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L 40295-65 EWT(1)/EWG(v)/EWA(d)/EEC-4/EEC(t) Pe-5/Pac-2 GW
ACCESSION NR: AT5005136 S/3133/64/000/006/0020/0024

26
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B+1

AUTHOR: Sandakova, Ye. V.; Demenko, A. A.; Benyukh, V. V.

TITLE: Determination of meteor masses and densities from photographic observations made in 1958—1959

SOURCE: AN UkrSSR. Mezhduvedomstvennyy geofizicheskiy komitet. Informatsionnyy byulleten', no. 6, 1964. Materialy Mezhdunarodnogo Geofizicheskogo Goda (Materials of the International Geophysical Year), 20-24

TOPIC TAGS: air resistance, meteor, dynamic mass, luminosity path, photometric mass, ballistic mass

ABSTRACT: The air resistance on a moving meteor is the main acting force which is coverted into heat. Formulas for determining the braking action, the mass, and the density of the meteor have been developed and applied in computations. Masses determined from the braking effect are called dynamic masses. The meteor mass may be determined from photographs measuring its luminosity path on film. Formulas for this method have also been developed. Masses determined in this way are called photometric masses. Physical phenomena associated with a moving meteor, i. e., braking, evaporation, and brightness, may alsobe used for determining the meteor mass.

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Formulas for these parameters have been developed and used in computations. Masses determined by this method are called ballistic masses, and they depend upon brightness and velocity of the meteor. Meteors moving with various velocities and observed at different heights were used for determining masses. Numerical values of all three kinds of masses are given in tabular form. There appears to be a great discrepancy between these numerical values, the reasons for which are not explained. Orig. art has: 1 table and 7 formulas. [EG]

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet (Kiev State University)

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NO REF SOV: 004 OTHER: 002 ATD PRESS: 3191

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SANDAL, D. L.

USSR (600)

Sugar Machinery

Cleaning diffusion juice heaters. Sakh. prom. No. 7 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.