

FINESCU, M.

"Shall We Glide in Wintertime?" P. 21. (AVIATIA SPORTIVA, Vol. 5, No. 1, Jan. 1954, Bucaresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

FINESCU, M.

"Speed Limit; Tailspin." P. 23. (AVIATIA SPORTIVA, Vol. 5, No. 1, Jan, 1954,  
Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1,  
Jan. 1955, Uncl.

FINESCU, M.

"Control Equipment of a Glider and Its Performance." P. 10. (AVIATIA SPORTIVA, Vol. 5, No. 4, Apr. 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

FINESCU, M.

"New Series of Hungarian Profiles." P. 13. (AVIATIA SPORTIVA, Vol. 5, No. 4,  
Apr. 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1,  
Jan. 1955, Uncl.

FINESCU, M.

"International Glider Contest in Poland." P. 14 (AVIATIA SPORTIVA, Vol. 5, No. 7,  
July 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 1,  
Jan. 1955, Uncl.

FINESCU, M. FINESCU, M.

"The motor of the Praga D plane." P. 15, (AVIATIA SPORTIVA, Vol. 5, No. 7, July 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

FINESCU, M.  
FINESCU, M.

"Under the sign of peace and friendship; the best glider pilots of Europe meet in Poland." p. 28, (AVIATIA SPORTIVA, Vol. 5, No. 8 Aug. 1954, Bucuresti, Rumania)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1  
Jan. 1955, Uncl.

FRESCU, M.

"Training in schools for flight without engines in wintertime", p.9,  
(AVIATIA SPORTIVA, Vol. 5, No. 12, Dec. 1954, Bucaresti, Rumania)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,  
No. 4, April 1955, Uncl.



FINESCU, M.

From Jassy to Calarasi in a glider, p. 311. (SKRZYDLATA POLSKA, Vol. 10, No. 20, May 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 3, No. 12, Dec. 1954, Uncl.

FINEAN, H.

At a height of 4,050 meters in a two-seated glider. p. 10.  
ARIPLE PATRIEI, Bucuresti, Vol. 1, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

FINESCU, M.

Shall we fly in wintertime? p. 10. ARIPILE PATRIEL. (Asociatia Voluntara pentru Sprijinirea Apararii Patriei) Bucuresti. Vol. 2, no. 3, Mar. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

FINESCU, M.

For a successful first distance flight. p. 23.

ARIPILE PATRIEI

Vol. 2, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

FINESCO, M.

FINESCO, M. The wave currents. p. 11.

Vol. 2, No. 10, October 1956

ARIPILE PATRIEI  
TECHNOLOGY

Bucuresti

So: East European Accession, Vol. 6, no. 3, March 1957

FINESCU, I.

Four golden wreaths and three national records.

p. 13 (Repules. No. 7, Oct. 1957, Budapest, Hungary)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2,  
February 1958

FINESCU, M.

Utilization of air-wave currents. p.19.

(Aripile Patriel. Vol. 3, No. 1. Jan, 1957; Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

FINESCU, Mircea (Rumania)

Gliders at the gate to the stratosphere. Repules 18 no.3:8-9  
Mr '65.



FINETTI, B. de. (Rome)

Decision and probabilities. Rev math pures 8 no.3:405-413  
'63.

FINEVSKIY, O.

Universal voltmeter. V pom. radioliub. no.14:27-42 '63.  
(MIRA 16:11)

FINFERLE, J.

Electronic and communication engineers decorated with the Order of Labor,  
P. 337, SLABOPROUDY OBZOR, (Ministerstvo strojirenstvi a ministerstvo  
spoju) Praha, Vol. 16, No. 7, July 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1953

FINGARET, D.

The House of Culture propagates technical information.  
Avt. transp. 38 no. 12:6-7 D '60. (MIRA 13:12)

1. Zamestitel' predsedatelya Soveta tekhnicheskoy propagandy  
Doma kul'tury avtomobilistov Moskvy.  
(Motor vehicles)

FINGARET, D. B.

Advanced methods of work in automobile transportation from technical and economic  
propaganda experience Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953.  
177 p. (53-38555)

TL152.F46

FINGART, David Bentsionovich; FILATOV, N.P., redaktor; KOGAN, F.L.,  
tehnicheskij redaktor

[Production and technical propaganda in auto transportation;  
work practice of the Drivers' Central Club in Moscow] Proisvod-  
stvenno-tehnicheskaja propaganda na avtotransporte; iz opyta  
raboty Tsentral'nogo kluba shoferov Moskvy. Moskva, Nauchno-  
tekh.nis-d-vo avtotransp. lit-ry, 1955. 92 p. (MIRA 9:3)  
(Transportation, Automotive)

KOROSTASHEVSKIY, M.; FINGARET, D. [B.]

Fuel economy competitions for automobiles in the U.S.A. and  
Britain. Avt.transp.34 no.2:31 F '56. (MLRA 9:7)  
(United States--Automobiles--Fuel consumption)

207-50

ACC NR: AP6032384

L 05111.67 RC  
SOURCE CODE: CZ/0053/66/015/005/0416/0417

14  
B

AUTHOR: Fink, Z. ; Urban, R.

ORG: J. E. Purkyne Military Medical Research and Institute for Postgraduate Studies, Hradec Kralove' (Vojensky lekarsky vyzkumny a doskolovaci ustav)

TITLE: The changes in the time dynamic activity of acetylcholine and acetylcholinesterases in brain of a rat following the administration of atropine and benactizyne

SOURCE: Ceskoslovenska fyziologie, v. 15, no. 5, 1966, 416-417

TOPIC TAGS: brain, cerebral cortex, pharmacology, drug effect, atropine, benactizyne

ABSTRACT: The changes in the time dynamic activity of acetylcholine and acetylcholinesterases in anatomically and functionally important parts of rat brain following injections of atropine and benactizyne were examined. The results which include the biologically determined volume of acetylcholine and histochemically established volume of cholinesterase in the rat cerebral cortex, basal ganglia, mesencephalon, cerebellum, medulla oblongata at various time intervals (10, 30, 60

Card 1/2



0511-67

ACC NR: AP6032384

min) after the nitermuscular injections of atropine (21,05 mg/kg) and benactizyne  
(7,36 kg/kg) are presented. [WA 50] [KP]

SUB CODE: 09/ SUBM DATE: none/ OTH REF: 006/

Card 2/2 vmb

CZECHOSLOVAKIA

~~FINK, Z.~~ URBAN, R.; J.E. Purkyne Medical Research Institute  
(Lek. Vyzk, Ustva JEP), Hradec Kralove.

"Changes in the Activity of Acetylcholine-Like Substances in the  
Rat Brain Subjected to the Influence of Parasympatholytic Drugs."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp  
372 - 373

Abstract: The influence of benactyzine and atropine on acetyl-  
choline esterase activity in rat brain was studied. Atropine sub-  
stantially reduces the activity of acetylcholine-like substances  
in gg. basalia and the mesencephalon. Apart from acting in the  
same way as atropine, benactyzine also had a marked effect in the  
cortex. No histochemical changes in the activity of acetylcholine  
esterase in the rat brain were observed. 1 Table, no references.  
Submitted at the 8th Annual Psychopharmacological Meeting at Jese-  
nik, 18 - 22 Jan 66. Article is in English.

1/1

FINKA, B.

Fishing terminology. p. 196, MORSKO RIBARSTVO, (Udruzenje morskog ribarstva Jugoslavije) Rijeka. Vol. 7, No. 8, Aug. 1955.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, Aug. 1956.

FINFA, B.

FINKA, B. Fishing terminology. p. 261.

Vol. 7, No. 10, Oct. 1955.

MORSKO RIBARSTVO

AGRICULTURE

Rijeka, Yugoslavia

So: East European Accession, Vol. 5, No. 5, May 1956

FINKA, B.

Special terms for some trawler nets. p. 15. MORSKO RIBARSTVO.

(Udruzenje morskog ribarstva Jugoslavije) Rijeka. Vol. 8, no. 1, Jan.  
1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

FINKA, B.

Some artificially constructed fishing terms. p. 50.  
MORSKO RIBARSTVO. (Udruzenje morskog ribarstva Jugoslavije)  
Rijeka. Vol. 8, no. 2, Feb. 1956.

SOURCE:

East European Accessions List (EEAL),  
Library of Congress Vol. 5, no. 11, Nov., 1956.

FINKA, B.

Tuna and kindred terms. p. 91. MORSKO RIBARSTVO. (Udruzenje  
morskog ribarstva Jugoslavije) Rijeka. Vol. 8, no. 3, Mar. 1956.

SOURCE:

East European Accessions List, (EEAL),  
Library of Congress Vol. 5, no. 11, Nov., 1956.

FINKA, B.

FINKA, B. Fish terminology and orthography. p. 153.  
Foreign nomenclature for fish products. p. 154.

Vol. 8, No. 5, May 1956.

MORSKO RIEARSTVO  
AGRICULTURE  
Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957



FINKA, B.

FINKA, B. Names for Cephalopoda. p. 222.

Vol. 3, No. 7, July 1956.

MORSKO RIBARSTVO

AGRICULTURE

Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

FINKA, B.

Names for some marine fishes.

p. 250 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

FINKA, B.

Names for small fishes. p. 295  
(GLASNIK, Vol. 8, No. 9, Sept. 1956 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No 12, Dec. 1957  
Uncl.

FINKA, B.

Gira, savun, and bukva. p. 423.

(Gozdarski vestnik, Vol. 8, No. 12, Dec. 1956, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

FINKA, B.

"Golub, ziva, and sklat; fish names."

p. 295 (Morsko Ribarstvo) Vol. 9, no.11, Nov. 1957  
Rijeko, Yugoslavia

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

FINKA, B.

Skripun and skripina. p. 18.

(Gozdarski vestnik, Vol. 9, No. 1, Jan, 1957, Ljubljana, Yugoslavia)

SO: Monthly Report of East European Accessions (EEA) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

FINKA, B.

Kanjac, arbum and pirke. p. 90.

(Gozdarski vestnik, Vol. 9, No. 3, Mar. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

FINKA, B.

Ray and torpedo fish; fish terminology. p. 201.  
(GLASNIK, Vol. 9, No. 7, July 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957  
Uncl.



CZECHOSLOVAKIA/Soil Science. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24748.

Author : Smalik, Michal; Finka, Kamil.

Inst :

Title : The Question of the Utilization of the Lime Wastes  
of Soda Production as a Fertilizer.

Orig Pub: Socialist. zemed. 1956, 6, No 21, 1295-1299.

Abstract: Wastes contain much water and are dried before-hand in a pile; the dry part from the surface of the heap is used at once for fertilizer, while the deeper wet layers go for preparation of composts or are removed to the field for further drying. Application of wastes increased the yield of barley from 19.1 to 22.2 c/ha, of fodder beet

Card : 1/2

CZECHOSLOVAKIA/Soil Science. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24748.

from 82.5 to 95.9 c/ha. of hay from 35 to 42 c/ha.,  
and seeds of flax from 6.8 to 9.0 c/ha.

Card : 2/2

*FINKA, KAROL.*

CZECHOSLOVAKIA/Soil Science- Mineral Fertilizers.

J-3

Abs Jour : Ref Zhur -- Biol., No 2, 1958, 5801  
Author : Smalik, Michal; Finka, Karol  
Inst : -  
Title : A Test of the Effect of Caustic and Other Lime Waste of  
the Factory "Chemosvit" on Plants and a Determination of  
the Possibility of Their Use in Agriculture.  
Orig Pub : Pol'nohospodarstvo, 1956, 3, No 6, 721-731  
Abstract : No abstract.

Card 1/1

FINKBEIN, U.

Directional antenna with an increased wave length on the conductor. p. 95.

Bridge for measuring the dielectric constant and the loss angle for the frequency  
0.1 to 1000 Mc. p. 96.

SLABOPROUDY OBZOR, Prague, Vol. 15, no. 2, Feb. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

MAKARENKO, Yu.A.; FINKE, A.I.

Technical designers at the Parkhomenko Mining-Machinery Plant.  
Mashinostroitel' no.7:42-43 '61. (MIRA 14:7)  
(Karaganda—Mining machinery)

DANNBERG, Vol'f; FINKB, German-Erikh

Photographic lenses of the German Democratic Republic. Sov.foto  
20 no.6:29-30 '60. (MIRA 13:7)  
(Germany, East--Photographic lenses)

FINKEL', A., inzh.

Dispatcher control of a grain elevator in the TSiurupa grain  
milling combine. Muk.-elev.prom. № no.3:8-10 Mr '62.  
(MIRA 15:4)

1. Odesskiy proyektno-konstruktorskiy institut Pishcheprom.  
(Grain elevators) (Grain milling)

FINKEL', A., inzh.

Using contactless semiconductor elements in the automation of elevators. Muk.-elev. prom. 28 no.12:8-10 D '62. (MIRA 16:1)

1. Odesskiy proyektno-konstruktorskiy institut pishchevoy promyshlennosti.

(Grain elevators) (Transistors)



ASKAROV, A.A.; FINKEL', A.A.

Gastritis and the tonic function of the stomach. Izv. AN Uz. SSR.  
Ser. med. no.1:45-50 '58. (MIRA 12:7)

1. Institut krayevoy meditsiny AN UzSSR.  
(STOMACH--DISEASES)

FINKEL', A.A.

Gastrotonometry as a clinical method of diagnosis. Izv. AN Uz.  
SSR. Ser. med. no.1:51-57 '58. (MIRA 12:7)

1. Institut krayevoy meditsiny AN UzSSR.  
(STOMACH--EXPLORATION)

ASKAROV, A.A., prof.; FINKEL', A.A., dotsent

Symptomatology of stomach diseases in Abu Ibn Sina. Med. zhur.  
Uzb. no.8-9:95-98 Ag-S '58. (MIRA 13:6)

1. Chlen-korrespondent AN UzSSR (for Askarov)  
(STOMACH--DISEASES) (AVICENNA, 9807-1057)

FINKEL', A.A.

Rare case of a gunshot wound. Sud.-med. ekspert. 2 no.3:54-55  
Jl-S '59. (MIRA 13:4)

1. Begovatskaya mezhrayonnaya sudebnomeditsinskaya ekspertiza.  
(GUNSHOT WOUNDS)

ASKAROV, A.A.; FINKEL, A.A.

Terminal ileitis in insufficiency of Bauhin's valve in chronic colitis patients. Izv. AN Uz.SSR. Ser.med. no.6:49-54 '59.

(MIRA 13:4)

1. Institut krayevoy meditsiny AN UzSSR.  
(ILEUM--DISEASES) (COLITIS)

FINKEL', A.A., dotsent

Conference on gastrointestinal pathology. Med. zhur. Uzb.  
no. 9:82-84 S '60. (MIRA 13:10)  
(DIGESTIVE ORGANS--DISEASES)

FINNELL, J. J.; TELLOTT, R.

Tonic function of the stomach in chronic colitis. Trudy Inst.  
Vopr. eksper. med. no.5:66-73 '63. (MIRA 17:6)

RAKHIMOV, N.R.; FINKEL', A.A.; KAZIMOVA, K.N.

Enterokinase in the duodenal contents in patients with  
chronic colitis. Trudy Inst. kraev. eksper. med. no.5:74-80  
'63. (MIRA 17:6)



SHATSEVA, I.P.; FINKEL', A.A.

Sarcoma of the left atrium. Med. zhur. Uzb. no.6:74-75 Je'63  
(MIRA 17:3)

1. Iz Tashkentskoy tuberkuleznoy bol'nitsy No.3.

L 05189-67 EWT(1) WW

ACC NR: AP6011272

SOURCE CODE: UR/0413/66/000/006/0130/0130

AUTHORS: Kudryavtsev, A. I.; Marakin, N. F.; Finkel', A. A.

21  
B

ORG: none

TITLE: Axial plunger pump. Class 59, No. 180090

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 130

TOPIC TAGS: axial pump, flow distribution, flow regulation

ABSTRACT: This Author Certificate presents an axial plunger pump provided with at least one inclined disk fixed to the drive shaft and with a valved distributor consisting of the individual pressure valves and of radially mounted suction valves forced to move by an eccentric connected to the drive shaft. To provide for the regulation of the pump output by removal of liquid during at least a part of the pressure stroke of the plungers, the eccentric is free to turn about the inclined disk (see Fig. 1). The eccentric may be connected to a tie rod placed axially in a hollow of the shaft through a finger entering a threaded groove. The movements of this tie rod turn the eccentric in respect to the inclined disk.

Card 1/2

UDC: 621.653-543-531.3

L 05189-67

ACC NR: AP6011272

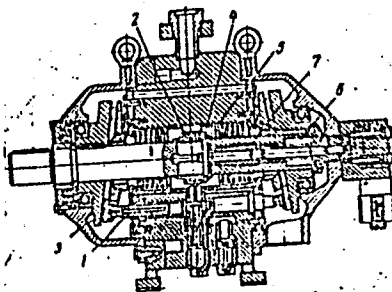


Fig. 1. 1 - plunger; 2 - eccentric;  
3 - inclined disk; 4 - finger; 5 -  
threaded groove; 6 - axial opening  
in the shaft; 7 - tie rod

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 15May64

Card 2/2 vmb

IPATOV, Petr Platonovich, inzh.; FINKEL', Abram Froymovich, inzh.;  
ZALENSKIY, V.S., inzh., nauchn. red.; PEREVALYUK, M.V.,  
red.; SHEVCHENKO, T.N., tekhn. red.

[Rigging operations and hoisting and conveying machinery  
used in assembling] Takelazhnye raboty i montazhnye pod"-  
emno-transportnye mekhanizmy. Moskva, Stroiizdat, 1964.  
246 p. (MIRA 17:2)

KRYLOV, V.A.; IPATOV, P.P., retsenzent; FINKEL', A.F., retsenzent;  
GURVITS, A.I., inzh., nauchn. red.

[Assembling the equipment of steel smelting plants] Mon-  
tazh oborudovaniia staleplavil'nykh tsekhov. Moskva,  
Stroiizdat, 1964. 289 p. (MIRA 17:6)

DUNAYEV, V.S.; FINKEL', A F., nauchn. red.

[Assembling the engineering equipment of rolling mills]  
Montazh tekhnologicheskogo oborudovaniia prokatnykh tse-  
khov. Moskva, Stroiizdat, 1964. 295 p. (MIRA 17:9)

FINKEL, A. G.

256T37

USSR/Chemistry - Combustion Kinetics Oct 52

"Kinetics of the Decomposition of Ethane in the Presence of Propylene at Low Pressures," A.D. Stepukhovich and A.G. Finkel', Saratov State Univ.

Zhur Fiz Khim, Vol 26, No 10, pp 1413-1418

2  
Studied the kinetics of the decomn of ethane when propylene is added at two different temps and pressures of ethane. Demonstrated that the velocity of the decomn of ethane is slowed down in accordance with A.D. Stepukhovich's eq when propylene is added. With increasing temp, the retarding effect of propylene is reduced.

256T37

FINKEL, A. G.

256T39

USSR/Chemistry - Combustion Kinetics Oct 52

"Kinetics and Decomposition Mechanism of Ethane in the Presence of Propylene," A.D. Stepukhovich and A.G. Finkel', Saratov State U

Zhur Fiz Khim Vol 26, No 10, pp 1419-1424

2

Considers the mechanism for the decompn of ethane in the presence of propylene where the reactions of the active radicals combining with propylene to form inactive radicals play a principal part. An eq for the relationship between the velocity of the reaction and the concentration of the inhibitor can be derived from the assumed scheme.

256T39

Gives an explanation for the decrease in the inhibiting action of propylene as the temp is increased. The relative effect of the inhibiting action of the additive depends on the initial conc of the hydrocarbon. At the temps and quantities of the inhibitor (propylene) in question. The effect is inversely proportional to the initial conc of the hydrocarbon.



L 17774-63

EPF(o)/EWT(m)/BDS Pr-4 RM/WW/MAY

ACCESSION NR: AP3005841

S/0051/63/015/002/0195/0201

AUTHOR: Finkel', A.G.; Prokof'yeva, N.I.; Sverdlov, L.M.

62  
60

TITLE: Experimental and theoretical investigation of the absolute intensities of the bands in the infrared spectra of hydrocarbons in the gaseous phase. 1. Cyclopentane and cyclohexane.

SOURCE: Optika i spektroskopiya, v.15, no.2, 1963, 195-201

TOPIC TAGS: absorption band, infrared spectrum, band intensity, dipole moment, cyclopentane, cyclohexane, ethane

ABSTRACT: Investigation of the absolute intensities of the infrared absorption bands of molecules in the vapor phase is of considerable interest in view of the light it can throw on molecular structure in the absence of intermolecular interactions (association, etc.). Owing to experimental difficulties, however, until recently few absolute intensities have been measured. The present work was devoted to measurement of the absolute intensities of the infrared bands of cyclopentane and cyclohexane in the gaseous state and to calculation, on the basis of the experimental data, of the electro-optical parameters characterizing the polar

Card 1/12

L 17774-63

ACCESSION NR: AP3005841

2

attributes of the C-H bonds in these cycloparaffins. The spectra were recorded photoelectrically on a modified IKS-6 infrared spectrometer. Special measures were taken to insure high stability of the detecting-recording system. Special cylindrical gas-absorption cells with thick glass walls were used for the experiments. The cell thicknesses (lengths) were 50.2, 101 and 301 mm. The intensity values were recorded with reference to 0 and 100% transmittance markers. The recorded and calculated intensity values are presented in a table. The integral absorption coefficients were evaluated by the extrapolation method of E.B. Wilson and B. Wells (J.Chem.Phys., 14, 578, 1946), which is generally admitted to be the most accurate and convenient method. The integral absorption coefficient versus  $p_l$  ( $p$  = partial pressure of the gas and  $l$  = the length of the absorption cell) curves all have a long horizontal section (the curves tend to rise slightly in the region of small  $p_l$  values). The formulas used for calculating the derivatives of the dipole moments are adduced. The observed intensity distributions in the cyclopentane and cyclohexane spectra are interpreted in the light of the calculated electro-optical parameters. The electro-optical parameters obtained for cyclohexane are compared with the parameters of ethane. "The authors are grateful to M.L. Kats and N.K. Sidorov for their interest in the work." Orig.art.has: 12 formulas, 3 figures and 1 table.

Card 2/β 2

44937

24,3410

S/048/63/027/001/010/043  
B163/B180

AUTHOR: Finkel', A. G.

TITLE: Measurement of the intensity and the width of absorption bands in the infrared region

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27, no. 1, 1963, 22 - 24

TEXT: The infrared absorption bands of cyclohexane at 861 and 903  $\text{cm}^{-1}$ , of acetonitrile at 918  $\text{cm}^{-1}$  and of benzene at 1037  $\text{cm}^{-1}$  were recorded in the infrared spectrometers MKC-6 (IKS-6), MKC-12 (IKS-12) (single ray) and MKC-2 (double ray) with NaCl prisms. The IKS-6 spectrometer was improved by adding a recording potentiometer, a 4300 (PEOU) amplifier stage, and a highly sensitive thermocouple. After correction for effective slit width  $\Delta v_e$  the maximum values of absorption, band half-widths and integral absorption coefficients, measured in the 3 instruments, were compared with each other and with data from other authors. If  $\Delta v_e$  is less than 0.4 times the observed band half-width, the maximum absorption values depart

Card 1/2

Measurement of the intensity . . . .

S/048/63/027/001/010/043  
B163/B180

from the average by about 1.5%, the band half-widths about 2%; if  $\Delta\nu$  is larger, the deviations are much greater. The differences between the integral absorption coefficients measured in the different spectrometers, and corrected for the wings according to Ramsay's method, are only slight in the case of cyclohexane. This paper was presented at the 14th Conference on Spectroscopy in Gor'kiy, July 5-12, 1961. There is 1 table.

Card 2/2

KOZLOV, I.G.; NIKOL'SKIY, V.K.; FINKEL', A.G.

Study of electron currents in a high vacuum using an optical method. Radiotekh. i elektron. 10 no.3:578-581 Mr '65.

(MIRA 18:3)

L 61666-65 ENT(m)/EFF(c)/ENF(j) Pc-4/Pr-4 RM  
ACCESSION NR: AP5011135 UR/0051/65/018/004/0724/0725

AUTHORS: Borisov, M. G.; Finkel', A.G.; Sverdlov, L. M. 35  
B

TITLE: An experimental and theoretical investigation of the absolute intensities of the infrared spectra of gaseous hydrocarbons

SOURCE: Optika i spektroskopiya, v. 18, no. 4, 1965, 724-725

TOPIC TAGS: gaseous hydrocarbon, infrared spectrum, olefin, electro-optical parameter, methyl group, tetramethylethylene, absorption spectrum, absolute intensity

ABSTRACT: This is a continuation of an earlier investigation of the absolute intensities of the infrared bands of propylene and isobutylene (Opt. i spektr. v. 18, no. 6, 1965). The purpose of the present investigation was to measure the absolute intensities of the infrared bands of gaseous tetramethylethylene and to verify the use of the electro-optical parameters of the methyl group

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of propylene and isobutylene to explain the intensity distribution in the infrared spectrum of tetramethylethylene. The absorption spectrum of the tetramethylethylene was recorded with an IKS-6 infrared spectrometer with LiF and NaCl prisms. The absolute integrated intensities were determined by the Wilson-Wells extrapolation method. The conditions for recording the spectra and the method of determining the absolute intensities have been presented previously (Opt. 1 spektr. v. 15, 195, 1963). The error in the measurements of the intensity for a group of bands is 5 to 10 per cent. The measured absolute intensities of the absorption bands are tabulated. The normal coordinates of tetramethylethylene were calculated with an electronic computer. The infrared band densities were calculated by using the electro-optical parameters of the CH<sub>3</sub> group from the authors' earlier work. The introduction of these parameters has improved the agreement between the calculated and measured intensities in some sections of the spectrum and provides for complete explanation of the intensity distribution in the infrared spectrum of tetramethylethylene. The maximum

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relative error is 15 per cent, which is only slightly higher than the error in measuring the intensities. It is thus concluded that the electro-optical parameters of the CH<sub>2</sub> group of propylene and isobutylene can be used to calculate the infrared band intensities of tetramethylethylene. This confirms the possibility of transferring the electro-optical parameters of less complex olefins to the calculation of the intensities of more complex olefinic hydrocarbons. Original article has: 2 formulas and 1 table

ASSOCIATION: None

SUBMITTED: 03Aug64

ENCL: 00 SUB CODE: OP, OC

NR REF SOV: 004

OTHER: 001

*llc*  
Card 3/3



L 1705-66 EWT(m)/EPF(c)/EMP(j)/T RM

ACCESSION NR: AP5012638

UR/0051/65/018/005/0928/0930  
535.343 = 15.4

AUTHOR: Finkel', A. G.; Tarasova, N. V.; Sverdlov, L. M. <sup>44.55</sup> <sup>44.55</sup> <sup>44.55</sup>

TITLE: Experimental and theoretical investigation of absolute intensities in the infrared spectra of hydrocarbons in the gas phase. III. 1,3-butadiene <sup>32P</sup>

SOURCE: Optika i spektroskopiya, v. 18, no. 5, 1965, 928-930 <sup>7, 44, 55</sup>

TOPIC TAGS: IR spectrum, butadiene, deuterium compound, line intensity, conjugated polyolefin hydrocarbon, electrooptic effect, absorption band

ABSTRACT: This is a continuation of earlier investigations (Opt. i spektr. v. 15, 195, 1963 ff) of the infrared bands of certain naphthenic and olefinic hydrocarbons. The present work is devoted to a measurement of the absolute intensities of the infrared bands of trans-1,3-butadiene, and to a calculation, on the basis of the experimental data obtained, of a set of electro-optical parameters characterizing the polar properties of the bonds in dienes with conjugated C=C double bonds. In order to determine the effect of conjugation on bond polarity. The absorption spectrum of 1,3-butadiene was recorded with an infrared spectrometer using LiF, NaCl, and KBr prisms. The Wilson-Wells extrapolation method (J. Chem. Phys. v. 14, 578, 1946) was used to determine the absolute intensities of the absorption bands. The

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ACCESSION NR: AP5012638

experiment is briefly described. A table is presented of the absolute intensities of the infrared bands of trans-1,3-butadiene and C<sub>4</sub>D<sub>6</sub>. The results show that the C=C double bond to the ends of which different functional groups are attached, is characterized by considerable polarity. The table lists also the calculated intensities of the infrared spectra of trans-1,3-hexadeuterobutadiene, calculated from the electro-optical parameters in this work. The calculation correctly accounts for the intensities of the IR bands at 2335, 2210, 1523, and 718 cm<sup>-1</sup> and the medium intensity of the 2270 and 380 cm<sup>-1</sup> bands. The intensities calculated for the bands in the 1000--1050 region are apparently too low. Orig. art. has: 1 formula and 1 table.

ASSOCIATION: none

SUBMITTED: 25Apr64

NR REF SOV: 009

ENCL: 00

OTHER: 003

SUB CODE: OP

Card 2/2 DP

FINKEL', A.G.; BORISOV, M.G.; SVERDLOV, L.M.

Experimental and theoretical study of the absolute intensities of  
infrared spectra of hydrocarbons in the gaseous phase. Part 2.  
Opt. i spektr. 19 no.1:65-70 J1 '65.

(MIRA 18:8)

FINKEL', A.G.; TARASOVA, N.V.; SVERDLOV, L.M.

Experimental and theoretical study of the absolute intensities of  
infrared spectra of hydrocarbons in the gaseous phase. Opt. i  
spektr. 18 no.5:928-930 My '65. (MIRA 18:10)

STAL'MAKHOVA, I.P.; FINKEL', A.G.; SVERDLOV, L.M.

Experimental and theoretical study of the absolute intensities of  
infrared spectra of hydrocarbons in the gaseous phase. Part 5.  
Propane. Opt. i spektr. 18 no.6:1083-1086 Je '65.  
(MIRA 18:12)

L 49778-65 EPF(c)/EWT(L)/EWT(m) Pr-4 IJP(c) <sup>RM</sup> UR/0058/65/000/003/D015/D015  
ACCESSION NR: AR5012237

SOURCE: Ref. zh. Fizika, Abs. 3D103

AUTHORS: Borisov, M. G.; Prokof'yeva, N. I.; Sverdlov, L. M.; Tarasova, N. V.;  
Finkel', A. G.

TITLE: Investigation of intensitie. of vibrational spectra of molecules of differ-  
ent classes

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964, 199-203

TOPIC TAGS: vibrational spectrum, electro optical parameter, infrared spectrum,  
spectral intensity, hydrocarbon molecule

TRANSLATION: The intensities and polarizations of vibrational spectra and the  
electronic parameters were calculated for 26 molecules:  $CH_4$ ,  $C_2H_6$ ,  $C_3H_4$ ,  $C_2H_2$ ,  
 $C_4H_6$ ,  $C_4H_8$ ,  $C_6H_{12}$ , olefins and their isotopic substitutes. The intensities of the  
infrared spectra and electro-optical parameters are calculated for 15 molecules:  
 $C_3H_4$ ,  $C_3H_6$ ,  $C_4H_6$ ,  $C_4H_4$ ,  $C_5H_{10}$ ,  $C_6H_{12}$ , olefins and their deuterium substitutes. The

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L 49778-65

ACCESSION NR: AR5012237

experimental data on the intensities, obtained by the authors, were used for the calculations. O

SUB CODE: OP, OC

ENCL: 00

*B5B*  
Card 2/2

L 41299-65 EWT(1)/EPA(v)-2/EEC(t)/EEC(b)-2/EWA(m)-2/EWA(h) Pz-6/Peb/Pi-4  
ACCESSION NR: AP5007110 IJP(2) AT S/0109/65/010/003/0578/0581

AUTHOR: Kozlov, I. G.; Nikol'skiy, V. K.; Finkel', A. G.

TITLE: Studying beams of electrons moving in a high vacuum by an optical method

SOURCE: Radiotekhnika i elektronika, v. 10, no. 3, 1965, 578-581

TOPIC TAGS: electron beam, electron beam tube

ABSTRACT: A new method of photographing an electron beam in an envelope containing residual gases of unknown composition (having, however, the intensity of radiation in the blue-green zone higher than in the red zone) at  $10^{-7}$ - $10^{-8}$  torr is described. High-sensitivity orthochromatic plates and a high-aperture-ratio objective are used. Even with very low current densities ( $0.0001 \text{ amp/cm}^2$ ) and at  $3 \times 10^{-7}$  torr, the exposure time was a few minutes (not a few hours as given by J. T. Wallmark, J. Appl. Phys., 1953, 24, 590). Special attention was paid to a

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L 41299-65

ACCESSION NR: AP5007110

complete elimination of the heater glow. Photographs of electron beams in a K-26 reflex klystron and in a bifilar-helix focusing structure are shown. It is noted that the maximum luminescence does not always correspond to the maximum space-charge density in the beam. "In conclusion, the authors wish to thank P. V. Golubkov for his attention to the work." Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 03Feb64

ENCL: 00

SUB CODE: EC, OP

NO REF SOV: 001

OTHER: 003

*me*  
Card 2/2

Finkel, A.I.

110-4-22/25

AUTHORS: Raytel'skiy, L.A., and Finkel', A.I., Engineers

TITLE: Technical-economic Characteristics of Sub-stations with Dry Transformers Installed Inside Factories (Tekhniko-ekonomicheskkiye pokazateli vnutritsekhovykh podstantsiy s sukhimi transformatorami)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, No. 4, pp. 72 - 73 (USSR).

ABSTRACT: This is a brief plea for the use of packaged sub-stations with dry transformers installed near the load centre for industrial power supplies. This is seen to be the cheapest way of providing supplies if erection and fire precaution charges are included in the cost. A dimensioned plan and circuit of a sub-station are given and comparative costs for different kinds of transformer sub-station are tabulated. There are 2 figures and 1 table.

SUBMITTED: November 16, 1957

AVAILABLE: Library of Congress  
Card 1/1

SUSLOV, A.A., kand.tekhn.nauk; FINKEL', A. I., gornyy inzh.

Investigating EBK-5 column-mounted electric drills. Ugol' Ukr.  
3 no.4:26-27 Ap '59. (MIRA 12:7)  
(Rock drills--Electric driving)

FINKEL', A.I., inzh.

Automatic control of unloading trucks of belt conveyors. Vest.  
mashinostr. 43 no.3:35-39 Mr '63. (MIRA 16:3)  
(Conveying machinery) (Remote control)

GOYKHMAN, Ye.G., inzh.; FINKEL', A.I., inzh.

Automation of pneumatic tube transportation. Mekh. i avtom.  
proizv. 15 no.7:22-25 J1 '61. (MIRA 14:7)  
(Automation) (Pneumatic-tube transportation)

GOYKHMEN, Ye.G., inzh.; FINKEL', A.I., inzh.

Over-all automation of a medium-capacity compressor station. Vest.  
mash. 41 no.3:32-37 Mr '61. (MIRA 14:3)  
(Air compressors) (Automation)

VULIKHMAN, V.A.; EINKEL, A.I.; FRIDMAN, M.S.

Automatic control system for continuous neutralization. Avt.  
i prib. no. 4:21-22 O-D '64 (MIRA 18:2)

FINKEL', A.I.

Binary counter with a decimal output. Priberostroenie no.9:  
30-31 S '64. (MIRA 17:11)



VULIKHMAN, V.A.; FRIDMAN, M.S.; FINKEL', A.I.; YUSIM, G.M.

Automated production line for low-module wetting of raw materials.  
Gidroliz. i lesokhim. prom. 17 no.6:26-27 '64. (MIRA 17:12)

1. Ukgiprogidroliz.

L 4901-00 ENI (d) / ENI (v) / ENI (k) / ENI (R) / ENI (1)

ACC NR: AP5023275

UR/0302/65/000/003/0037/0039  
681.14:621.9-529

AUTHOR: Finkel', A. I.

50  
8

TITLE: The use of ferrotransistor components for digital programmed control of mechanisms

SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 37-39

14

TOPIC TAGS: transistorized circuit, digital system, automatic control system, chemical plant equipment, control circuit

ABSTRACT: The author describes a new counting circuit based on ferrotransistor components developed at the "Ukrigiprogidroliz" Designing Institute for the 70FS-1 machine used in chemical enterprises for the processing of motion picture film. Ferrotransistors operate in a very stable manner at 5 - 10 kc frequency sequences, guarantee high instrument reliability while imposing simple requirements on cores, transistors, and power supplies; they are small in size, have an unlimited operating life, work at low voltages, and consume very small amounts of power. The article describes in detail the design and operation of the new counting circuit which passed all laboratory tests. The device can be applied without essential modification to coordinate metal cutting stands in which the displacements of tools are programmed from point to point by means of two coordinates. Orig. art. has: 1 figure.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, DP, EC

NO REF SOV: 003

OTHER: 000

Card 1/1 OC

09010571

FINKEL', A.I.; BULIKHMAN, V.A.; FRIDMAN, M.S.; YUSIM, G.M.

Automation of dumping carts for the charging of hydrolysis apparatus.  
Gidroliz. i lesokhim. prom. 18 no.6:23-29 '65. (MIRA 18:9)

1. Ukgiprogidroliz.

FINKEL', B. I.

Finkel', B. I. "The organization and experience of the work of the obstetrical-gynecological room of the health service of the Rostov Sel'mach Plant" (Author's summary of the paper), Sbornik nauch. trudov (Rost. obl. nauch.-issled. akushersko-ginekol. in-t), Issue 8, 1948, p.214-15.

SO: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

FINKEL', B. M.

Finkel', B. M. and Moddovkina, A. G. "Change in the cytobacterioscopic picture of smears from the urethra and the cervical canal in the course of penicillin and sulfadin treatment of gonorrhoea", Sbornik nauch. trudov (Rost. obl. nauch.-issled. akushe'skō-ginekol. in-t), Issue 8, 1948, p. 82-87.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

GELBERG, S.I.; FINKEL, E.A.; KIRRIK, B.L.; GELBERG, I.S.

Experimental vindication of the immunochemical prophylaxis of tuberculosis. J. hyg. epidem. (Praha) 9 no.1:18-30 '65

1. Grodno Medical Institute and Kirghiz Tuberculosis Research Institute, Grodno.

FINKEL, E. E. (Moscow)

"Study of Steam Diffusion  $\kappa$  in Synthetic Materials with Tritium."

paper presented at the Intl. Conference on Radioisotopes in Scientific Research  
in Paris, 19-20 Sept 1957.

Angewandte Chemie, No. 3, 1958.

FINKEL, E.E.

FINKEL', E.E.

Measuring the moisture permeability of synthetic films by means  
of water tagged with tritium (with summary in English). Zhur.fiz.  
khim.Jl no.7:1650-1653 Jl '57. (MIRA 10:12)

1. Nauchno-issledovatel'skiy institut kabal'noy promyshlennosti.  
(Tritium) (Permeability) (Films (Chemistry))



FINKEL', E. E.: Master Chem Sci (diss) -- "The use of tritium for investigating the water-permeability of polymer films". Moscow, 1958. 19 pp (Glavniiprojekt of the Gosplan USSR, Sci Res Inst of the Cable Industry and Inst of Phys Chem of the Acad Sci USSR), 150 copies (KL, No 6, 1959, 126)

*Finkel', E. E.*

AUTHORS: Savitskiy, P., Finkel', E., Serenko, V., Bulatova, N. 89-1-19/29

TITLE: The Use of Radioactive Isotopes for Scientific Research (Primeneniye radioaktivnykh izotopov v nauchnykh issledovaniyakh)

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 1, pp. 92 - 96 (USSR)

ABSTRACT: From September 9, to September 20, 1957 a Congress was convened by the UNESCO, which dealt with the use of radioactive isotopes. A total of 39 sessions took place, at which 206 lectures were delivered. Of these lectures 49 were delivered by representatives from the USSR, 38 by representatives of France, 31 by such from the USA, and 29 by representatives from Great Britain. The following lectures deserve special mention:

Physics:

Formation of long-lived  $Al^{26}$  from  $Mg^{25}(d,n)$  and  $Mg^{26}(p,n)$

Production of the short-lived isotopes  $Mg^{28}$ ,  $I^{132}$ ,  $I^{133}$ ,  $F^{18}$

Production of  $Cs^{137}$ : (Great Britain)-from phosphorous tungsten acid as a phosphate,

(USSR) - from ferrocyanide as a chloride.

A new electromagnetic method for the separation of  $\alpha, \beta$ , and  $\gamma$  active isotopes.

Metal Industry:

Investigation of diffusion phenomena.

Investigation of the transmission of electricity in "solid"

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liquids.

The use of  $\text{Cr}^{51}$  as a proof for the stability of inert metal coverings.

The measuring of the interspaces between the rotor and the stator of high pressure steam turbines with  $\text{Ir}^{192}$ .

The influence exercised by irradiation upon semiconductors.

Investigation of the velocity of corrosion in solids at high temperatures. The measuring of cation mobility in a mixture of molten oxides.

Analytical and Physical Chemistry:

Chromatography in ion exchangers.

Investigation of catalytic processes.

Investigation of the construction and the properties of heteropoly-compounds.

Explanation of platinum-sublimation phenomena.

The sulphurization of metallic surfaces.

Determination of the thickness, nature, and physical-chemical properties of extremely thin coating applied to glass.

Dosimetry:

Determination of the sum dose with end-point colors.

The use of phenol solutions and trichlorethylene for the dosimetry of  $\gamma$ -rays and neutrons.

Geophysics:

Determination of the  $\text{S}^{32}/\text{S}^{34}$  content of meteorites and of the earth.

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The Use of Radioactive Isotopes for Scientific Research.

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Biology:

Investigation of the albumen exchange, of nuclei acids and glucogen in various functional states of the brain.

Investigation of the course taken by ferments.

A device for the exact determination of the introduction of a radioactive substance into hypophysis.

Investigations of photo-synthesis.

The behaviour of the fission products in earth, in plants, and in living beings.

Determination of the lethal effect if  $Sr^{90}$  is administered to young monkeys: if a dose of  $18 \mu\mu C$   $Sr^{90}$  / 1 g Ca is present in the bones of the monkey, the monkey dies within 3 years.

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