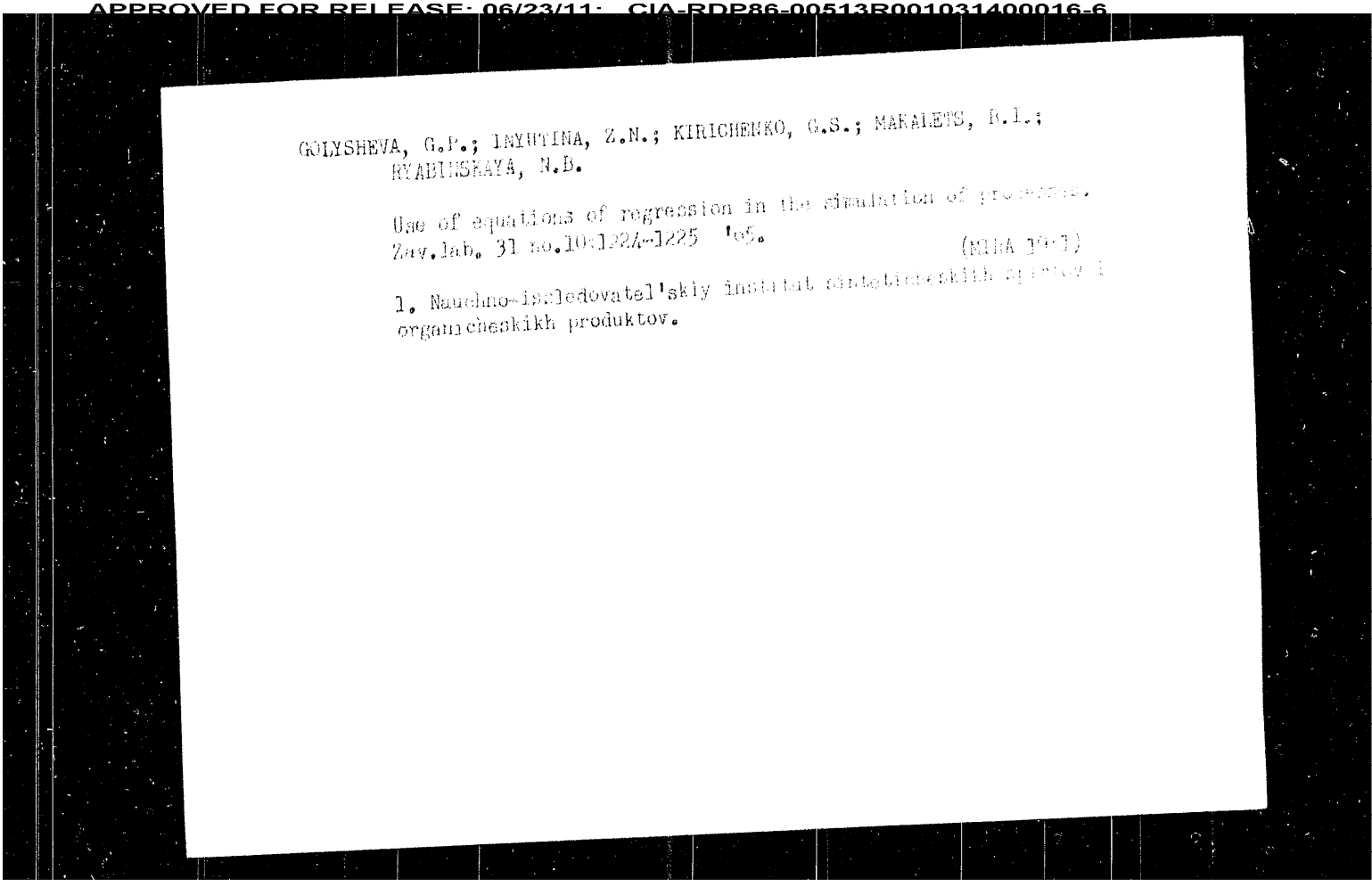

GOLYSHEVA, G.P.; IAMUTINA, Z.N.; KIRICHENKO, G.S.; MAKALETS, B.I.; RYABINSKAYA, N.B.

Use of equations of regression in the simulation of processes. Zav.lab. 31 no.10:1224-1225 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov.

ANTONOVSKIY, V.L.; MAKALETS, B.I.; RYABINSKAYA, [illegible]; [illegible]

Comparative tests of reactors for liquid phase [illegible] of hydrocarbons. Zhur. prikl. khim. 37 no.11:[illegible] N'64. (MIRA [illegible])

ANTONOVSKIY, V.L.; MAKALETS, B.I.

Consecutive order in formation of products in the liquid phase oxidation of cumene. Dokl. AN SSSR 140 no.5:1070-1072 O '61. (MIRA 15:2)

1. Filial Nauchno-issledovatel'skogo instituta sinteticheskikh spirtov i organicheskikh produktov, g. Novokuybyshevsk. Predstavleno akademik N.N.Semenovym.

(Cumene)
(Oxidation)

MAKALETS, B.I.

Comparative stability of fatty acids of normal structure to oxidation by molecular oxygen. Izv.vys.ucheb.zav.; khim.i khim tekh. 3 no.1:109-111 '60. (MIRA 13:6)

1. Kafedra khimicheskoy kinetiki Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Acids, Fatty) (Oxidation)

MAKALETS, B. I., Cand Chem Sci -- (diss) "Investigation of the chemism of the oxidation of n-heptane by oxygen from the air in the liquid phase by the method of marked atoms." Moscow, 1960. 10 pp; (Moscow State Univ im M. V. Lomonosov, Chemistry Faculty, Chair of Chemical Kinetics); 120 copies; price not given; (KL, 18-60, 147)

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05839
On the Problem of the Mechanism Underlying the Rupture SOV/76-33-10-37/45
of the C-C Bond in the Liquid-phase Oxidation of n-Heptane by Molecular Oxygen

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: April 3, 1958

Card 3/3

On the Problem of the Mechanism Underlying the Rupture of the C-C Bond in the Liquid-phase Oxidation of n-Heptane by Molecular Oxygen

heuvel (Ref 10), using a silica gel prepared according to Ramsay (Ref 11). The following acids were obtained: formic acid, acetic acid, propionic acid, butyric acid and valeric acid. Two layers were formed during the oxidation: an upper hydrocarbon layer and a lower layer of aqueous acid. Thus, analysis was complicated (Table : distribution of the oxidation products in the two layers). The authors plotted the kinetic curves of the accumulation of reaction products according to the reacting groups as well as of the accumulation of the various acids. Besides, experiments were made with the addition of butyric acid and butyric aldehyde (Figs 1-6). The ratio of acids remains fairly constant during the oxidation: $C_2+C_1:C_3:C_4:C_5$ - 8:4:3:1.

The aldehydes were practically completely transformed into acids at a high velocity. It was found that the reaction mechanism underlying the rupture of the C-C bond during the liquid-phase oxidation of hydrocarbons, suggested in publications, may fully explain the ratio of the resultant acids. There are 7 figures, 1 table, and 12 references, 5 of which are Soviet.

Card 2/3

05839
SOV/76-33-10-37/45

5(4)

AUTHORS: Berezin, I. V., Makalets, B. I.

TITLE: On the Problem of the Mechanism Underlying the Rupture of the C-C Bond in the Liquid-phase Oxidation of n-Heptane by Molecular Oxygen

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10, pp 2351 - 2357 (USSR)

ABSTRACT: It is still unknown how far and at which velocity the aldehydes formed by liquid-phase oxidation of hydrocarbons oxidize to form acids at different temperatures. Data on the behavior of acids in the medium of oxidizing n-alkanes are also scarce. Since there are also several incompatible data, the authors investigated the kinetic behavior of the acids formed by liquid-phase oxidation of n-heptane. Oxidation was carried out in an autoclave with continuous flow for 4-5 hrs (Ref 5) at 140-150°, 33 atm, a flow velocity of air of 32.6 l/min per one liter of heptane. 3-5 samples were taken out in this time. A method by Wheeler (Ref 6) was used for the extraction of the peroxide; the acids were extracted according to Raine and Garner (Ref 9) and subjected to chromatographic treatment according to Vanden-

Card 1/3

at the β-carbon atom. In the decarboxylation of the acid a methyl ketone is formed that has one carbon atom less than the acid. The oxidizability of the acid depends on its structure. The acetic acid is practically inert. The yield of the n-valeric acid activated with radioactivated carbon in the α-position amounted to 23 %. There are 1 table and 9 references, 3 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet
(Moscow State University)

SUBMITTED: August 8, 1957

of the acid molecules. As the acids are not only used up in the reaction process but also are formed as such as a consequence of the oxidation of hydrocarbon, the favorable solution of this problem consists of employing the method of isotopic indicators. A simple method was chosen that made the analytical part of the work considerably easier, i. e. the oxidation of n-butyric and n-valeric acid in n-heptane medium. To observe the behaviour of the functional group as well as that of the hydrocarbon chain of the acid an n-butyric acid with radioactivated carbon in the carboxyl, and an n-valeric acid radioactivated in the α-position were synthesized. Moreover, an acetic acid was produced that was radioactivated in the carboxyl in order to prove its oxidizability under the conditions given. Concluding, the following results are mentioned: The acids are subjected to a quantitative decarboxylation in the medium of the oxidizing hydrocarbon. In the activation of the carboxyl with radioactivated carbon CO_2 is the only active gaseous reaction product. According to this separated gas the behaviour of the acid carboxyl in any complex system of the oxidation products of hydrocarbons can be classified. The oxidizing reagent attacks the acid molecule

AUTHORS: Berezin, I. V., Makalets, B. I., Chuchukina, L. G.

SOV/79-28-10-19/60

TITLE: Mechanism of the Oxidation of the Acids With Molecular Oxygen in the Medium of n-Heptane (Mekhanizm okisleniya kislot molekulyarnym kislorodom v srede n-geptana)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 10, pp 2718-2723 (USSR)

ABSTRACT: From the papers known on the oxidation of acids with bound and air oxygen in the presence of catalysts (Refs 1-4) it may be seen that the oxidation mechanism of the acids depends on the conditions of the experiments. Therefore the rules governing the oxidation of the single acids in the presence of catalysts with different oxidizing agents may not be extended without earlier examination to the case where the oxidation of the acids takes place in the medium of an oxidizing hydrocarbon. It was of interest to the authors to investigate the chemical nature of the oxidation of acids in this respect, to compare it with data in publications and thus to discover the fundaments of the oxidation mechanism in dependence on the character of the reaction and the structure

Card 1/3

MAKALATIYA, TS.S.

Phase contrast microscopy in hematological practice. Lab. delo 7 no.5:24-27 My '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy institut perelivaniya krovi imeni G.M.Mukhadze, Tbilisi.
(PHASE MICROSCOPE) (BLOOD--EXAMINATION)

MAKALATIYA, TS.S.; BARBAKADZE, L.V.

Improving the method for calculating lencocytic and bone marrow elements. Lab. delo 3 no.2:18-19 Mr-Ap '57 (MLRA 10:5)

1. Iz gematologicheskogo otdeleniya (zav.-prof. Ye.M. Semenskaya) Instituta eksperimental'noy i klinicheskoy khirurgii i gematologii AN Gruzinskoy SSR.
(BLOOD--ANALYSIS) (MARROW)

MAKALATIYA, TS. S.

Universal counter for hematologic analyses. Klin.med.,Moskva 18 no.11:82-85 Nov 50. (CLML 20:5)

1. Of the Hematological Division, Institute of Experimental and Clinical Surgery and Hematology of the Academy of Sciences Georgian SSR, Tbilisi.

MAKALA, Aleksander, mgr inz.

Usefulness of applying electronic computers on the Polish State Railroads. Przegl kolej elektrotech 13 no.3:78-80 Mr '61.

MAKH, L.

The tuning of double superhets and the correcting of their tone.

P. 19 (RADIOTECHNIKA) Budapest, Hungary Vol. 7,No. 1, Mar. 1957

SO: Monthly Index of East European Accessions (EEI) Vol. 6, No. 11 November 1957.

MAKAINE CSASZAR, Margit

Delay of the northwestern cold fronts and the cyclone formation occurring on the lee of the Alps. Idojaras 67 no.1:28-32 Ja-F '63.

MAKAINE CSASZAR, Margit

Subsidence inversions in growing anticyclones. Idojaras 66 no.2 97-100 Mr-Ap '62.

VIRF, Liviu; MAKAI, Vasile

Identification and quantitative determination of the micro-elements (copper, zinc. cobalt) in certain mineral waters by the polarographic method. Studia Univ B-B S Chem 8 no.1: 221-224 '63

Paper chromatographic separation of ions from nickel, cobalt, copper, cadmium, and zinc and their quantitative determination by the polarographic method. Ibid.:225-230

1. Pedagogic Institute, Tirgu Mures.

PALENCSAR, A., dr.; LECHINTAN, M., dr.; SERBAN, T., dr.; MAKAI, Margareta; KASZA, L., dr.

Chronic jaundice with conjugated bilirubin of the Rotor type. Considerations on a clinical case. Med. intern. (Bucur) 17 no.2:233-235 F'65.

1. Lucrare efectuata in Clinica de boli infectioase Institutul medico-farmaceutic, Tirgu mures (director: prof. L. Kelemen).

KASZA,L., dr., candidat in stiinte medicale; PALENCSAR, A.,dr.; NEMES,A.,dr.; LORINCZ,P., dr.; SZILAGYI,D.dr.; MAKAI, M.; SZABO,G.

Serum glutamic-pyruvic transaminase as a functional test in epidemic hepatitis. Med. intern. 16 no.1:87-96 Ja'64

1. Lucrare efectuata in Clinica de boli infectioase I.M.F. Tirgu Mures (conducator: prof.L.Kelemen).

*

KASZA, L.; PALENESAR, A.; MAKAI, M.

The practical value of transaminasaemia determinations in epidemic hepatitis. Rumanian M Rev. no.2:21-23 Ap-Je '60.
(HEPATITIS, INFECTIOUS diagnosis) (TRANSAMINASES blood)
(LIVER FUNCTION TESTS)

MAKAI, Lajos; CSEKO, Arpad

Report on the conference of secondary-school teachers of physics.
Fiz szemle 9 no.7:220-221 Jl '59.

1. "Fizikai Szemle" szerkeszto bizottsagi tagja.(for Cseko).

MAKAI, L., CSEKO, A.

A conference on physics for high school teachers. p. 220.

FIZIKAI SZEMLE. (Eotvos Lorand Fizikai Tarsulat) Budapest, Hungary, Vol. 9, No. 7, July 1959.

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

MAKAI, L.; PAVLOVIC, L.; VIRAGH, L.

MAKAI, L.; PAVLOVIC, L.; VIRAGH, L. What kind should the organic structure of the labor department be? p. 30.

Vol. 10, No. 10, Oct 1956.
TOBBTERMELES
TECHNOLOGY
Budapest, Hungary

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

MAKAI, Janos

Reorganization of the pipe fitting industry. Epuletgepeszet 12 no.5:137-141 O '63.

1. Epitesugyi Miniszterium Csoszereloipari Vallalat vezer-igazgatoja.

MAKAI, Janos; KOVACS, Lajos, fomernok; MILLEY, Vilmos, fomernok

Tasks before the fitting industry of domestic engineering as reflected in the decisions by the 8th Congress of the Hungarian Socialist Workers Party. Epuletgepeszet 12 no.1/2:1-5 Mr '63.

1. Szereloipari Igazgatosag vezetoje (for Makai). 2. Muszaki Fejlesztesi Foosztaly (for Kovacs). 3. Oktatasi Foosztaly (for Milley).

MAKAI, Istvan

Transistor melody horn. Radiotechnika 15 no.7:252-25[illegible] [illegible] '65.

MAKAI, Istvan

Metal detector with 4 transistors. Radiotechnika 15 no.3:90-92 Mr '65.

MAKAI, Istvan

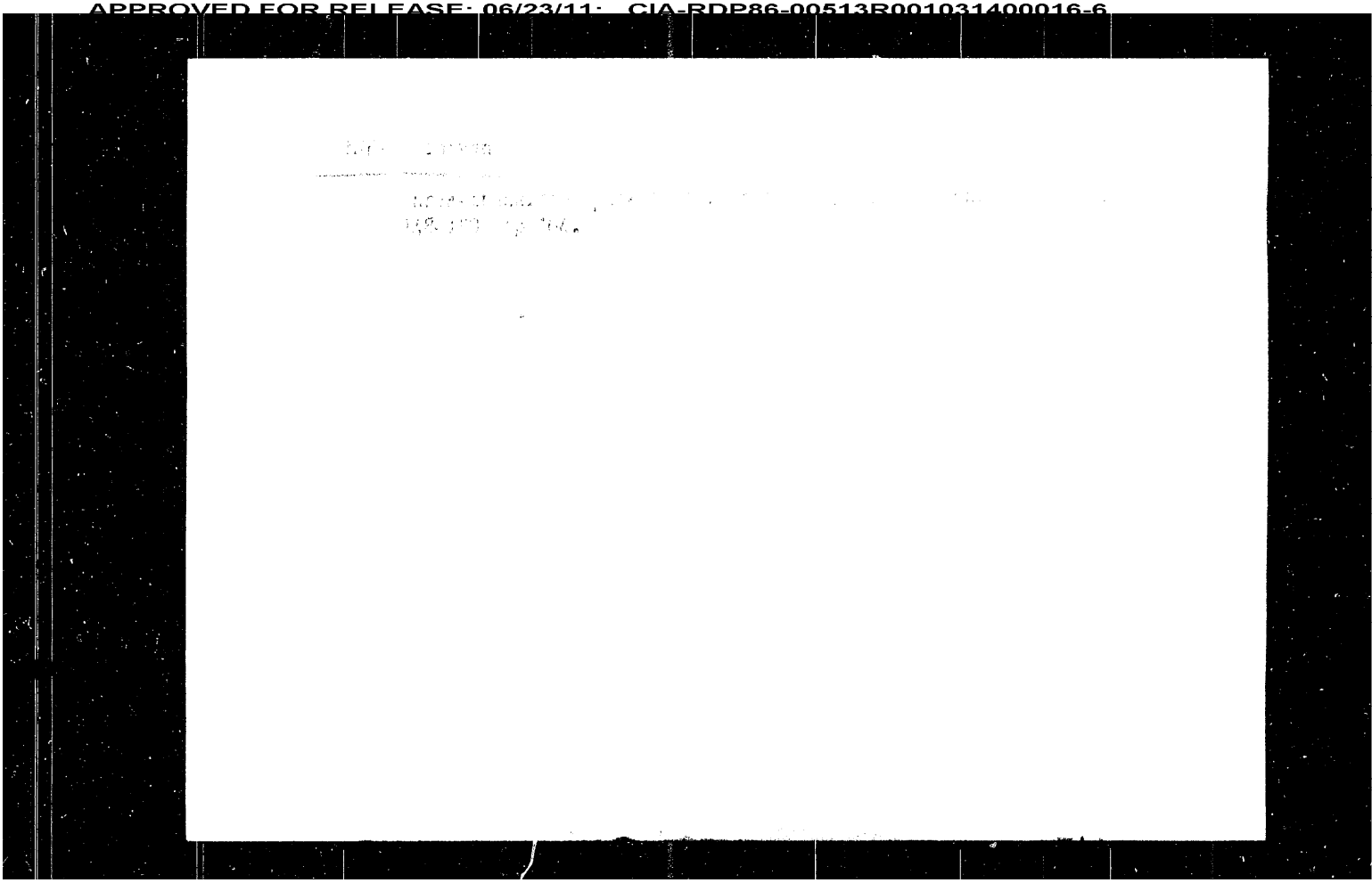
Metal detector with 4 transistors. Radiotechnika 15 no.2, 72-
73 F '65.

MAKAI, Istvan

15 W transistorized amplifier from 6 V battery or network.
Radiotechnika 5 no.5:167-169 My '65.

MAKAI, Istvan

Photoelectric value indicator for measuring instruments.
Radiotechnika 14 no.11:408-409 N '64.



MAKAI, Istvan

Problems on sound transmission and tonality. Radiotechnika 14 no. 3: 117-118 Mr '64.

MAKAI, Istvan

Problems of sound transmission and tonality. Radiotechnika 14 no.2:79 F'64.

MAKAI, Istvan

Questions relating to sound transmission, tonality. Radiotechnika 14 no.1:36-37 Ja '64.

MAKAI, Istvan

Questions relating to sound transmission and tonality.
Radiotechnika 13 no.12:479 D '63.

MAKAI, Istvan

Questions of sound transmission and tonality. Radiotechnika 13 no.8:318 Ag '63.

MAKAI, Istvan

Questions of sound transmission and tonality. Radiotechnika 13 no.7:276 Jl '63.

MAKAI, Istvan

Questions relating to sound transmission and tonality. Radiotechnika 13 no.11:436-437 N '63.

MAKAI, Istvan

Questions of sound transmission and tonality. Radiotechnika 13 no.10:396-397 O '63.

MAKAI, Istvan

Measuring instruments of radio amateurs. Pt. 6. Radiotechnika 13 no.6:237-238 Je '63.

MAKAI, Istvan

Measuring instruments of radio amateurs. Pt. 6. Radiotechnika 13 no.5:197 My '63.

MAKAI, Istvan

Measuring instruments of radio amateurs. V. Radiotechnika 13 no.4:156-157 Ap '63.

MAKAI, Istvan

Automatic temperature regulator and indicator with semi-conductor control. Radiotechnika 13 no.4:129-130 Ap '63.

MAKAI, Istvan

Measuring instruments of the radio amateur. IV. (To be contd.)
Radiotechnika 13 no.3:116-117 Mr '63.

MAKAI, Istvan

Automatic temperature regulator and indicator with semiconductor control. (To be contd.) Radiotechnika 13 no.3:88-89 Mr '63.

MAKAI, Istvan

Measuring instruments of the radio amateur. III. (To be contd.)
Radiotechnika 13 no.2:77-78 F '63.

MAKAI, Istvan

Teh radio amateur's measuring instrument. II. (To becontd.)
Radiotechnika 13 no.1:36-37 Ja '63.

MAKAI, Istvan

Amateur testing instruments. Radiotechnika 12 no.11:387 N '62.

MAKAI, Istvan

Photoelectric indicator with infrared rays. Radiotechnika 12 no.11:383, 4 of cover N '62.

MAKAI, Istvan

Preparing low push-pull transformers. Radiotechnika 12 no.11:358 N '62.

MAKAI, Istvan

Ohmmeter and microfarad. Radiotechnika 12 no.11:356-358 N '62.

MAKAI, Istvan

Amateur testing instruments. (To be contd.). Radiotechnika 12 no.10:348-349 O '62.

MAKAI, Istvan

Amateur testing instruments; the semi-incandescent lamp. III.
Radiotechnika 12 no.9:308 S '62.

MAKAI, Istvan

Pocket radio with 4 transistors for short and medium-frequency waves. Radiotechnika 12 no.9:281-282 S '62.

MAKAI, Istvan

Amateur testing instruments. The semi-incandescent lamp.III.
Radiotechnika 12 no.8:268-269 '62.

MAKAI, Istvan

Portable radio with 4 transistors for short and medium waves. (To be contd.) Radiotechnika 12 no.8:266-267 '62.

MAKAI, Istvan

Amateur testing implements; semi-incandescent lamp.III. (To be contd.) Radiotechnika 12 no.7:228 Jl '62.

MAKAI, Istvan

The amateur's testing t[illegible] incandescent lamp. II.
Radiotechnika 12 no.6:189 [illegible] 62.

MAKAI, Istvan

Amateur testing tools. Radiotechnika 12 no.5:157 My '62.

MAKAI, Istvan

Pocket radio with 3 transistors and 4,5 volts. Radiotechnika 12 no.5:150-151 My '62.

MAKAI, Istvan

The radio amateur's tools. Radiotechnika 12 no.4:126 Ap '62.

MAKAI, Istvan

A 3 transistor and 3,5 volt pocket radio. (In Hungarian.)
Radiotechnika 12 no.4:106-107 Ap '62.

MAKAI, Istvan

The radio amateur's tools. Radiotechnika 12 no.3:93 Mr '62.

MAKAI, Istvan

Radio apparatus and magnetophones in motor vehicles.II.
Radiotechnika 12 no.3:78-79 Mr '62.

MAKAI, Istvan

The radio amateur's measuring instrument. Radiotechnika 12 no.12; 428 D '62.

MAKAI, Istvan

The radio amateur's tools. Radiotechnika 11 no.11:350 N '61.

MAKAI, Istvan

The radio amateur's tools. Radiotechnika 11 no.9:286 S '61.

MAKAI, Istvan

Transistor-testing radio. (Conclusion) Radiotechnika 11 no.9:280-281 S '61.

MAKAI, Istvan

The radio amateur's tools. Radiotechnika 11 no.8:254-255 Ag '61.

MAKAI, Istvan

Transistor testing radio. (To be contd.) Radiotechnika 11 no.8:252-253 Ag '61.

MAKAI, Istvan

The radio amateur's instruments. Radiotechnika 11 no.7:221-222 Jl '61.

MAKAI, Istvan

Instruments of radio amateurs. (To be cortd.) Radiotechnika 11 no.6:189-190 Je '61.

MAKAI, Istvan

The radio amateur's instruments. Radiotechnika 11 no.5: 157-158 My '61.

MAKAI, Istvan

Transistor receiver for short and medium-frequency waves.
Radiotechnika 11 no.5:130 My '61

MAKAI, Istvan

How to start to be a radio amateur? Radiotechnika 11 no.4:125 Ap '61.

MAKAI, Istvan

In behalf of inexperienced radio operators. Radiotechnika 11 no.3:94 Mr '61

MAKAI, Istvan

Supplement to the article "Loud-speaker portable or pocket radio with 3 and 4 transistors." Radiotechnika 11 no.3:93 Mr '61

MAKAI, Istvan

Supplement to the article "Loud-speaker portable or pocket radio with 3 and 4 transistors." (To be contd). Radiotechnika 11 no.2:54 F '61.

MAKAI, Istvan

Amateur sound studio.Pt.2. Radio, record player, cutter, magnetophone, mixer, etc.; their operation and links. Radiotechnika 10 no.1:3-5. Ja '60.

MAKAI, T.

A small feedback transistor receiver. p.165.

RADIOTECHNIKA. Budapest, Hungary. Vol. 9, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

MAKAI, I.

An ultra-short wave supplement which could be built in.

P. 181 (RADIOTECHNIKA) Budapest, Hungary Vol. 7, No. 6, Aug. 1957.

SO: Monthly Index of East European Accessions (AEI) Vol. 6, No. 11 November 1957.

MAKAI, I.

A little information on the magnetophone and record player. p. 72. (Radio-technika, Vol. 7, No. 3, May 1957, Budapest, Hungary)

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

MAKAI, I.

Magnetophone for amateurs with a small motor. p. 42. (Radiotechnika, Vol. 7, No. 2, Apr 1957, Budapest, Hungary)

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

MAKAI, I.

Three-motored automatic magnetophone, (Conclusion) p. 170, RADIOTECHNIKA, (Magyar Onkentes Honvedelmi Szovetseg) Budapest, Vol. 6, No. 8, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

MAKAI, I.

MAKAI, I. Three-motored automatic magnetophone. (To be contd). p. 146.

Vol. 6, No. 7, July 1956
RADIOTECHNIKA
TECHNOLOGY
Budapest, Hungary

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

Makai, I.

Three-motored automatic magnetophone.
(To be contd.) p. 122.
RADIOTECHNIKA. (Magyar Onkentes
Honvedeimi Szovetseg) Budapest.
Vol. 6, no. 6, June 1956.

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

MAKAI, I.

Three-motored automatic magnetophome. (To be contd) P. 98
RADIOCHNIKA Budapest Vol. 6, no. 5, May 1956

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

MAKAI, I.

Small-sized "autotransformer" for equalization of line voltage. p.66.
RADIOTECHNIKA. (Magyar Onkentes Honvedelmi Szovetseg) Budapest.
Vol 6, no. 3, Mar 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

MAKAI, I.

Use of cheap IK motors. p. 44.
Vulcanization of rubber straps with a soldering bit. p.44.
RADIOTECHNIKA. (Magyar Onkentes Honvedelmi Szovetseg) Budapest.
Vol 6, no. 2, Feb 1956.

SOURCE: EEAL, Vol 5, no.7, July 1956.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400016-6

KAFAI, I.

KAFAI, I. Making precise bearings with amateur instruments. p. 10.

Vol. 6, No. 1, Jan. 1956.
RADIOTECHNIKA
TECHNOLOGY
Budapest, Hungary

So: East European Accession List, Vol. [illegible], No. [illegible], [illegible]

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400016-6

MAKAI, I.

Putting a magnetophone into operation and controlling it. p. 271
vol 5, no. 12, Dec. 1955. RADIOTECHNIKA, Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

MAJAJ, I.

MAJAJ, I. Putting a magnetophone into operation and controlling it. (to be cont.) p. 246.

Vol. 5, No. 11, Nov. 1955.
RADIOTECHNIKA
TECHNOLOGY
Budapest, Hungary

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

NAGY, I.

NAGY, I. Combined magnetophone. p. 278.

Vol. 5, No. 10, Oct. 1954.
RADIOTECHNIKA
TECHNICCCY
Budapest, Hungary

So: East European Accession, Vol. 4, No. 5, May 1955

MAKAI, I.

Combined magnetophone. (To be contd.) p.199. RADIOTECHNIKA, Budapest. Vol. 5, no. 9, Sept. 1955

SOURCE: East European Accessions List (EEAL) LC, Vol. 5, no. 2, 1956 Feb.

MAKAI, I.

Practical advice for designing magneto-phones. p. 154. [illegible]
Budapest. Vol. 5, No. 7/8, July/Aug. 1955

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL. 5, No. 6 June 1956

MAKAI, I.

Practical advice for magnetophone designs, p. 126, RADIOTECHNIKA, (Magyar Onkentes Hovedelmi Szovetseg) Budapest, Vol. 5, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

MAKAI, I.

Bandspread of a large short-wave receiver without a wave switch. p. 31.

RADIOTECHNIKA, Vol. 5, No. 2, Feb. 1955

(Magyar Onkentes Hovedeimi Szovetseg) Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 1 September, 1956

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