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M

BULGARIA/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur Biol., No 12, 1958, 53840

Author : Todorov, Khr., Zankov, Z.D., Nedelchev, N., Stoyev, K.D.
Inst :
Title : Experiments with Short and Long Pruning of Some Wine Grape Varieties.

Orig Pub : Lozarstvo i vinarstvo, 1957, 6, No 3, 4-19

Abstract : As the result of experiments conducted in 1952-1953 in the vineyards of labor cooperatives, the authors have reached the conclusion that the load of 8-10 eyes per plant, presently used on the establishments in Bulgaria, is insufficient. With the present agricultural technique it can be increased on the Dinyat, Vinenka, Red Muscat and Mavrud varieties to 24 eyes, and on the Pamid variety - to 32 eyes per plant both with short and long pruning. Further increase in the fruit bearing load is feasible with the improvement of the agricultural

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BULGARIA/Cultivated Plants - Fruits. Berries. M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53840

background as a whole. The length of the pruning of the fruit bearing vines during the formation of the plant must be correlated with the biological peculiarities of the variety, with the condition of the plant and with the level of agricultural technique. -- A.A. Gudzenko

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*) and wine Making.

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[illegible]

[illegible] : [illegible]

[illegible] :

[illegible] :

[illegible] :

[illegible] : [illegible], and in the short stocks - in the 1st, 2d and partly 3d nodes. The formation of the internode roots is not related to the length of the stock. — I. T. Iordanov

[illegible] : 3/3

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOYEV, K.D.; MAMAROV, P.T.; BENCHEV, I.B.

Chromatographic analysis of sugars and free amino acids of grapevine sap [with summary in English]. Fiziol. rast. 6 no.4:408-414 Jl-Ag '59. (MIRA 12:10)

1.Scientific Research Institute of Viticulture and Winemaking, Pleven.
(Grapes) (Amino acids) (Sugars)

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17(1) SOV/20-125-6-54/61

AUTHORS: Stoyev, K. D., Mamarov, P. T., Benchev, I. B.

TITLE: Influence of Fertilizers on the Composition of the Ascending Sap Stream in the Vine (Vliyaniye udobreniy na sostav voskhodyashchego toka vinogradnoy lozy)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 6, pp 1367-1370 (USSR)

ABSTRACT: According to the data presented in scientific publications, there is a difference in the uptake by day and the uptake by night of mineral substances by the plant (Refs 1,2): There are certain periods within which there is a rhythm of this uptake (Ref 4). Said difference also concerns the roots during vegetation. It is connected with the plant's passing through its growth and development stages (Refs 6,7). The authors tried to determine the influence of fertilizers on the sugar and amino acid contents of the liquid exudated on the "weeping" of the vine. For this purpose the saps were collected of N-, P-, and K-fertilized as well as of unfertilized vines (Zarchin variety, grafted upon Montikola). The saps, in a five-fold vacuum concentration, were chromatographed (Refs 8,9), and the

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SOV/20-1[illegible]-6-[illegible]/61

Influence of Fertilizers on the Composition of the Ascending Sap Stream in the Vine

sugar types were studied in accordance with reference 10. Soil influence was determined on the 2nd, 10th, and 44th days after fertilizer application. Figures 1 and 2 present the determination results. In figure 1 no difference, with regard to sugar contents, can be [illegible] between plants of the fertilized and unfertilized plots. However, quantitative methods revealed a much higher sugar content on the 2nd day after fertilization than could be observed in the case of unfertilized plots. This difference was equalized by the 10th day (Table [illegible]). Most probably the sugar content is the result of the action of superphosphate phosphorus, and of the more intensive starch decomposition in the vine roots (Refs 11-14). Figure 2 shows the changes in the amino acid content with the influence of fertilization (after 2 days): 9 and 14 acids, respectively, in individual vines, as against 7-8 acids in the controls. The amino acid stains in the sap of fertilized vines were larger in the chromatograms. On the 10th and 44th days the differences had disappeared. From this the authors conclude that the uptake and conversion of mineral substances occurs most energetically during the first days following fertilizer application to the soil (analogous to references 16, 17). Thus the assimilation

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Influence of Fertilizers on the Composition of the Ascending Sap Stream in the Vine

by the roots of nitrogen is effected rapidly, whereas its conversion into amino acids takes place in a certain sequence: at first alanine, and eventually dicarboxylic acids are synthesized. The synthesis of the basic and aromatic amino acids is said to take place much later by means of trans-amination (Ref 17). Phosphorus fertilization probably also favored the increase in the amino acid content in the fertilized vines (Ref 18). The investigations by the authors have shown ammonium nitrogen to be taken up by the vine roots in an organic form. From there it is transported upwards into the individual organs in the form of various amino acids. The most intensive conversion of inorganic nitrogen into amino acids takes place during the first days after its application to the soil. There are 2 figures, 1 table, and 18 references, 12 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya, g. Pleven, Bolgariya (Scientific Research Institute of Viniculture and Pressing, City of Pleven (Bulgaria))

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SOV/20-125-6-54/61

Influence of Fertilizers on the Composition of the Ascending Sap Stream in the Vine

PRESENTED: January 28, 1959, by A. L. Kursanov, Academician

SUBMITTED: August 20, 1958

Card 1/1

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOYEV, K.D.; MAMAROV, P.T.; BENCHEV, I.B.

Sugars and free amino acids during the maturation and dormancy of the grapevine. Fiziol. rast 7 no.2:145-150 '60. (MIRA 14:5)

1. Scientific Research Institute of Viticulture and Wine Making Plevna, Bolgaria.
(Grapes) (Sugars) (Amino acids)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STORV, K.D. prof.

International Conference of Viticulture. Spisanie BAN 6 no.3: 87-91 '61.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOYEV, K.D.; ZANKOV, Z.D. (Bolgariya)

Effect of the length of day on the characteristics of growth and development of grape seedlings. Agrobiologiia no.4:554-561 Jl-Ag '62. (MIRA 15:9)

1. Nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya, Pleven.

(VITICULTURE) (PHOTOPERIODISM)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

DASKALOV, Khr., akad.; STOEV, Kun'o; BOGDANOV, Vasil, st. n. sutr.; KHRISTOV, Matodi, st. n. sutr.; KHADZHIOLOV, Asen A., st. nauchen sutrudnik; DECHEV, Georgi, ml. n. sutr.; BLIZNAKOV, Georgi, prof.; PENKOV, Boian, ml. n. sutr.; POPOV, Rumen

Science on the offensive for progress. Nauka i tekh mladezh 15 no.7/8:6-10, 56-57 Jl-Ag '63.

1. Zam. predsedatel na [illegible] (for Daskalov). 2. Glaven nauchen sekretar na ASN (for [illegible]). 3. Nauchen sekretar na ASN (for Bogdanov). 4. Institut za mekhanizatsiia na selskogo stopanstvo (for Khristov). 5. Direktor na Instituta po neorganicheska i obshta khimiia pri BAN (for Bliznakov). 6. Predsedatel na Komisiiata za nauka i tekhnicheski progres pri TsK na DKMS (for Popov).

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, Kuniu

Conference of the Committee on Coordination of Scientific Research in Agriculture and Forestry in Socialist Countries. Selskostop nauka 3 no. 1:77-78 '64.

1. Corresponding Member and Chief Scientific Secretary of the Academy of Agricultural Sciences, and Member of the Board of Editors, "Selskostopanska nauka".

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, ".

STOEV, ". What is cancer? p.35.

Vol. 11, no. 10, Oct. 1956
KOOPERATIVNO ZEMEDELIE
AGRICULTURE
Sofiia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

S[illegible], L.

"Medical First Aid."

p. 40 (Kooperativno Zemedelie, No. 7, July 1952, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

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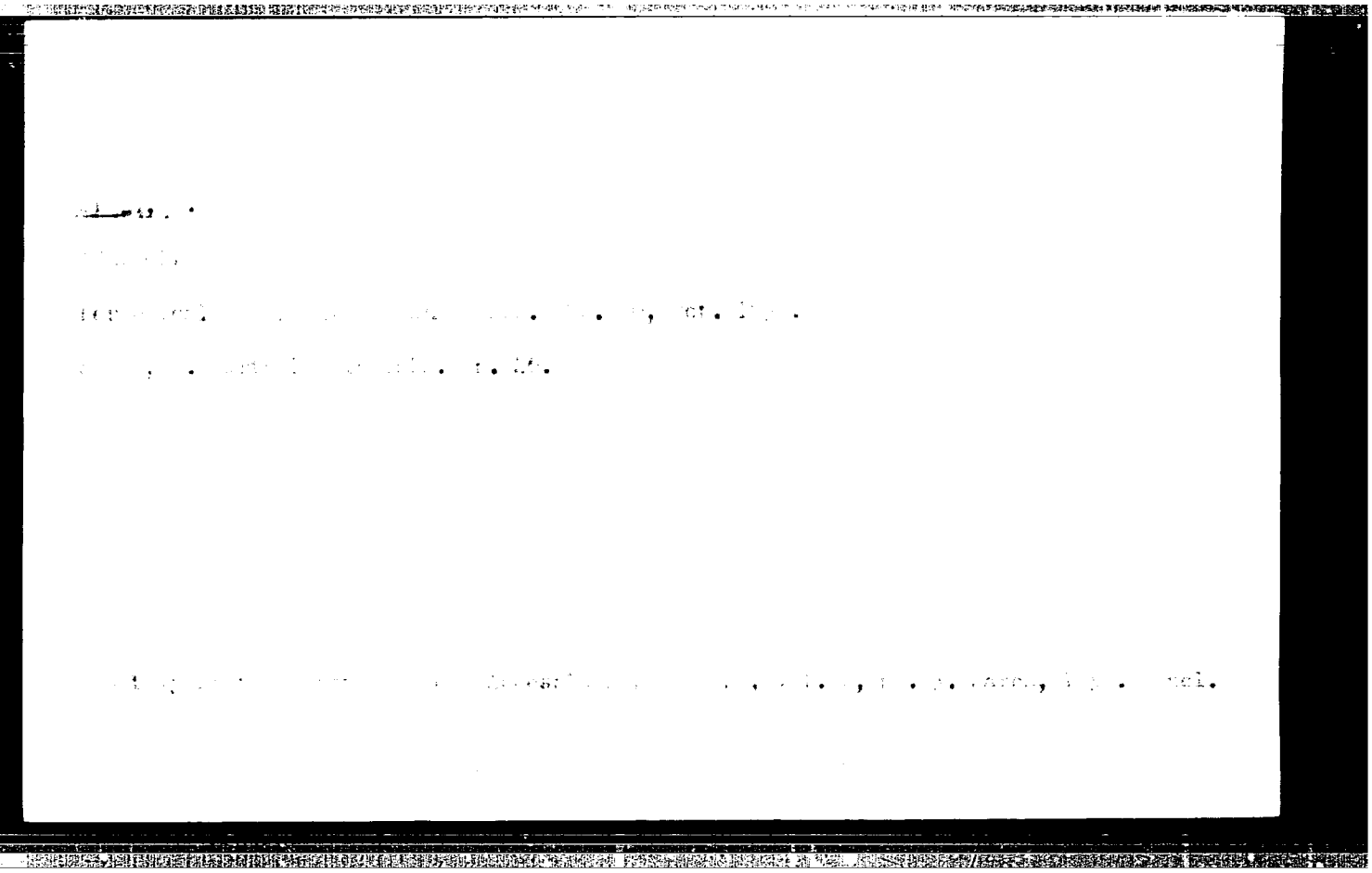

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[illegible], [illegible]; [illegible] V.

"Our experiences on doubling in spinning."

p. 28 (Leka Promishlenost) Vol. 6, no. 11, 1957. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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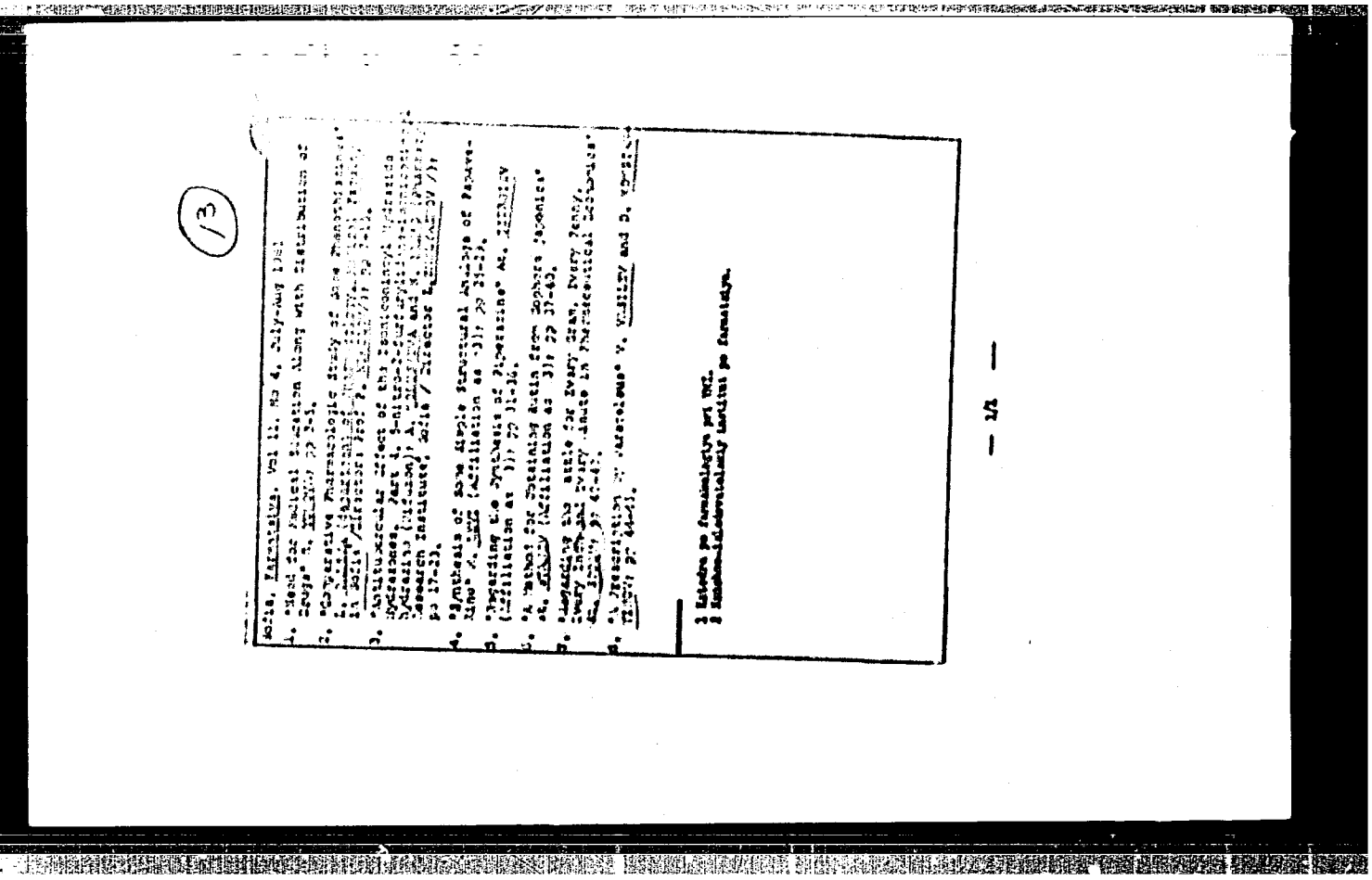

(13)

Sofia, Farmatsiya, Vol 11, No 4, July-Aug 1961

1. "Need for Medical Education Along with Distribution of Drugs" [illegible] pp 3-5.
2. "Comparative Pharmacologic Study of Some Phenothiazines" [illegible] (Department of Pharmacology, Medical Faculty in Sofia /Director: Prof P. [illegible]/); pp 7-11.
3. "Antitubercular Effect of the Isoniconinoyl Hydrazide Hydrazones. Part 4. 5-nitro-2-furfurylidene-isoniconinoyl hydrazine (Difuzon)" A. [illegible] and N. [illegible] (Pharmacy Research Institute, Sofia / Director [illegible]); pp 17-23.
4. "Synthesis of Some Simple Structural Analogs of Papaverine" [illegible] (Affiliation as [illegible]); pp 25-29.
5. "Regarding the Synthesis of Piperazine" At. [illegible] (Affiliation as [illegible]); pp 31-36.
6. "A Method for Obtaining Rutin from Sophora japonica" At. [illegible] (Affiliation as [illegible]); pp 37-40.
7. "Regarding the Battle for Every Gram, Every Penny, Every Inch and Every Minute in Pharmaceutical Economics" [illegible]; pp 41-43.
8. "A Prescription by Paracelsus" V. [illegible] and D. [illegible]; pp 44-45.

1 Katedra po farmakologiya pri VMI.
2 Kniehno-izledovatelskiy institut po farmatsiya.

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STOYEV, Stoyu [Stoev, Stoiu]; BALASH, Ion [Balas, Ion]; GECHKO, Iozef [Hecko, Jozef]; VARKONI, Laslo [Varkoni, Laszlo]

Friendship never grows old. Radio no.8:6-7 Ag '62. (MIRA 15:8)

1. Predsedatel' TSentral'nogo komiteta Dobrovol'nogo obshchestva sodeystviya oborone Narodnoy Respubliki Bolgarii (for Stoyev). 2. Zamestitel' predsedatelya TSentral'nogo soveta Soyuza fizkul'tury i sporta Rumynskoy Narodnoy Respubliki (for Balash). 3. Predsedatel' TSentral'nogo komiteta Soyuza sodeystviya armii Chekhoslovatskoy Sotsialisticheskoy Respubliki (for Gechko). 4. Zamestitel' predsedatelya Oboronno-sportivnogo soyuza Vengerskoy Narodnoy Respubliki (for Varkoni).

(Radio operators)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, S.

TECHNOLOGY

Periodical LEKA PROMISHLENOST. TEKSTIL. Vol. 7, no. 6, 1958.

STOEV, S. How the work on the drawing machines in the December 23 State Industrial Enterprise in Gabrovo was improved. p. 23. From the experiences of N.P. Glurova, the well-known weaver. p. 24.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOLEV, St. (Narodnaya Respublika Bolgariya); KOLEV, N. (Narodnaya Respublika Bolgariya); TOPALAROV, V. (Narodnaya Respublika Bolgariya)

Determining the distribution of components by classes in coal slime. Ugol. 37 no.7:52-53 Jl '62. (MIRA 15:7)
(Bulgaria—Coal—Classification)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

[illegible]

Kinetics and selectivity of the oversize coal grains of the Balkan Coal Basin. Godishnik Min geol inst 9:67-89 '61 '62 [publ.'63]

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, Stoev, dots. inzh.

"Concentration of coals and nonmetallic minerals in heavy suspensions" by I.Z. Margolin. Reviewed by St. Stoev. Min delo 18 no.3:48 '63.

1. Minno-geolozhki institut, Sofia.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

BOIADZHOV, Anteriu, V., inzh.; [illegible], Stoicho, inzh.

Determining the extent of roller strengthening in the polishing of the slots of cylindrical straight-toothed cogwheels. Tekhnika Bulg 13 no.8:5-6 '64.

1. Institute of Mining Geology, Sofia.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

GERASIMOV, M.; STOEV, St.; BEKIAROVA, E.; BOZHINOVA, E.

Use of the fraction of plant extractive turpentine at over 160° C as a flotation reagent for coal and ores. Khim i industriia 36 no.7: 265-267 '64.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, St., dots. k.t.n.

Influence of the preliminary and intermediate stirring on the velocity and selectivity of flotation of the Balkan Basin coal. Godishnik Min geol inst 9:119-135 '62-'63[publ. '64].

Gamma radiation used in the rapid control of mineral components in ore-dressing factories. Ibid.:147-16?

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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Enriching coal from the Dimitrov Mine by placing it in canals. [illegible]

Minno Delo. Vol. 10, No. 6, Nov./Dec. 1955

Sofiya, Bulgaria

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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[illegible], [illegible].

[illegible], [illegible]. Automatic control and regulation the enriching process. p. 5[illegible].

Vol. 10, (1. [illegible] 11) No. [illegible], July/Aug. 1956
[illegible]
[illegible]
Sofiia, Bulgaria

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

[illegible], S.

[illegible] against the [illegible] of coal. [illegible]

Vol. 11, [illegible] 5, Sept./Oct. 19[illegible].
MINNO [illegible]IC
TECHNOLOGY
Sofiia, Bulgaria

So: East European Accession, Vol. [illegible], No. 3, March 19[illegible]

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOJEV, S.

Studying the concentration of some useful Bulgarian nonmetallic minerals.

p. 13 (STROITELSTVO) Vol. 4, no. 5, 1957,
Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, S.

Electric blocking against disconnected switches with load.

p. 19 (RATSIONALIZATSIIA) Vol. 7, no. 10, Oct. 1957,
Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, S.

"Possibilities of utilizing the methods of matheratics statistics in the concentration plants."

p.23 (Tekhnika, Vol. 7, no. 1, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, Stoicho, dotsent, k. t. n.

Use of gamma rays in the structural analysis of the unbroken pieces of ores. Tekhnika Balg 12 no.2:19-22 '63.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, St.

Kinetics and selectivity of the Balkanbas coal flotation in the pulps of various density and the different intensity of mixing. Godishnik Min geol inst 7:527-558 '60/'61 [publ. '62].

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STOEV, St., d-r, inzh.

Content of barite, pyrite and graphite products, controlled by the β -reflection and neutron-activation analysis. Min delo 18 no.7:20-23 Jl '63.

1. Minno-geologzhki institut.

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STOEV, St., dots. inzh.

Application of gamma rays in sedimentation analysis. Min delo 18 no.6:17-19 Je '63.

1. Minno-geologshki institut.

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STOEV, STOICHO M.

"Teknika na bezopasnostta, promishlena sanitariia i protivopozharna okhrana v obogatitelnite i briketnite fabriki. Sofiia, Nauka i izkustvo, 1957.
(Accident prevention, industrial hygiene, and fire prevention in enriching and briquetting factories. illus., bibl., tables)

p.280 (Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

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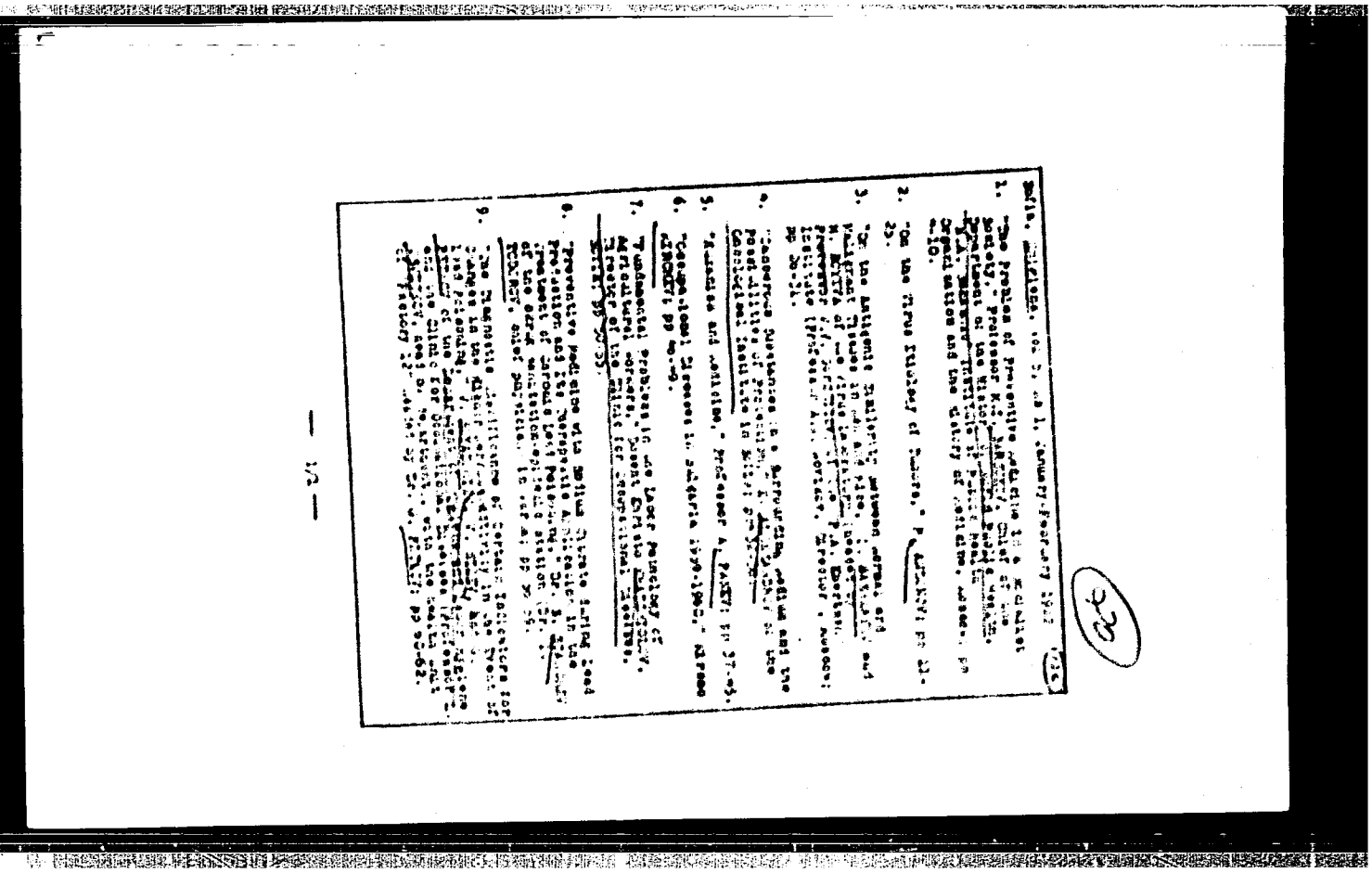

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

[redacted], V.; [redacted], P.

"New type of heating installation with individual device for measuring the consumed heat."

p. 14 (Elektroenergetika, Vol. [redacted], no. [redacted], Aug. 1967, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6
June 1968

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

[illegible], V.

"Selecting the most economical method for losses of pressure in steam pipes."

[illegible]. Sofia, Bulgaria., Vol. 7, No. [illegible], 1958

Monthly List of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. [illegible], No. 7, July 1959, Unclas

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STO[redacted]

TECHNOLOGY

Periodical: ELEKTROENERGIIA. Vol. 9, No. 9, Sept. 1958.

STOEV, V. Concerning some technical and economical questions of heating.
p. 14.

Monthly List of East European Accession (EEAI), LC., Vol. 8, No. 2,
February 1959, Unclass.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

POPOV, G., prof.; MATKEV, B.; IANKOV, Iv.; STOEV, V.; TODOROV, TSv.

Treatment of peptic ulcer through longitudinal resection association with gastroduodenostomy. (Preliminary communication). Khirurgiia 15 no.9/10:927-930 '62.

1. Iz Katedrata po fakultetska khirurgiia s urologiia pri VMI [Vissh meditsinski institut] - Sofiia.
(PEPTIC ULCER) (GASTRECTOMY)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, V.

Surgical approach in total gastrectomy. Khirurgiia 15 no.9/10: 930-931 '62.

1. Iz Katedrata po fakultetska khirurgiia s urologiia pri VMI [Vissh meditsinski institut] - Sofiia.
(GASTRECTOMY)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOKV, V.

The surgical approach in total gastrectomy. Nauch. tr. vissh. med. inst. Sofia 41 no.2:81-84 '42.

1. Predstavena ot prof. G. Popov.
(GASTRECTOMY)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

BOIADZHIEV, Vl.; STOEV, V.; PETKOV, G.

The diagnostic importance of certain higher nervous system criteria in case of lead poisoning. Nauch. tr. vissh. med. inst. Sofia 41 no.5:99-113 '62.

1. Predstavena ot prof. L. TSvetkov.
(LEAD POISONING) (CENTRAL NERVOUS SYSTEM)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOEV, Vladimir, inz.

Installations for year-round air conditioning, and possibilities of utilizing the thermal pumping process in them. Tekhnika Bulg 13 no.5:20-23 '64

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

GEROV, G.; STOEVA, K.

Position of a double physical pendulum in the vicinity of its stable equilibrium. Godishnik mash elekt 12 no. 1:63-78 '62 [publ. '63].

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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On clinical forms of multiple sclerosis. Suvr. med. 12 no.11: 93-99 '61.

1. Iz Katedrata po nervni bolesti pri VMI [Vissh meditsinski institut] - Sofiia (Rukov. na katedrata prof. S. Bozhinov).
(MULTIPLE SCLEROSIS)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFA, Jan, Inz.

Use of electric insulating gases in electrical engineering.
El tech obzor 52 no.7:380-381 Jl '63.

1. Katedra elektrotechnologie, Slovenska vysoka skola technicka, Bratislava.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFFAN, W.

"Propulsion; the Flying Wing." P. 10. (AVIATIA SPORTIVA, Vol. 5, No. 5, May, 1954, Bucuresti, Rumania.)

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFKO, J.

"Dielectric Heating", P. 8, (TECHNICKE NOVINY, Vol. 2, No. 10, May 1954, Praha, Czechoslovakia)

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

ŠTOFKO, J.; [illegible]

A contribution to the knowledge of the dielectric properties of our wood and glues. p. 40. (DREVARSKY VYSKUM, Vol. 1, No. 1/2, Oct 1956, Bratislava, Czechoslovakia)

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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Test injections in the hydraulic construction at Krpelany. p. 153 (geologicke Prace; Zpravy No. 5, 1956)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

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Particle board with oriented particles. Drevarsky vyskum no.2: 127-148 '62.

1. Statny drevarsky vyskumny ustav, Bratislava.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOPKO, [illegible]

Contribution to the determination of chipboard resistance to weather effects. Drevarsky vyskum no.4:203-222 '61.

1. State Research Institute of Wood, Bratislava.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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STEKO, J.

"The use of injection in civil engineering. (Conclusion)"

p. 179 (Stavba) Vol. 4, no. 6, June 1957.
Prague, Czechoslovakia

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

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

Difficult construction of foundations facilitated by the use of insulating foliums made of softened polyvinyl chloride.

P. 265. (STAVBA.) (Bratislava, Czechoslovakia) Vol. 4, No. 9, Sept. 1957

Source: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFK[illegible], S.

"Building insulation against underground water. p. 117"

STAVBA. (Poverenictvo stavebnictva) Bratislava, Czechoslovakia, Vol. 6, No. 4 Apr. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFKO, Stefan, inz.

Permanent exhibition of porous concrete in Bratislava.
Poz stavby 11 no.11:623-625 '63.

1. Lahke stavebne hmoty, Oborove vyvojove pracovisko pre porobetonov.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOFKO, Stefan, ins.

A permanent exhibition in Bratislava on the use of porous concrete. Przegl budowl i bud mieszk 36 no. 5:280-281 My '64.

1. Light Buidling Material Works and Development Center of Porous Concrete, Bratislava, Czechoslovakia.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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[redacted], A.

"Some remarks concerning the organization and tasks of the plan of geology for 1954 in the field of research on deposits," Przeglad Geologiczny, Warszawa, No 7, July 1954, p. 2[redacted].

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

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ZVACKOVA, B.; STOGER, F.

Congenital hernia with dystopic liver tissue in the umbilical stump in a newborn infant. Cesk. pediat. 20 no.10:894-895 O '65.

1. Detske oddeleni (vedouci MUDr. J. Zemanek) a patologickoanatomicke oddeleni (vedouci MUDr. F. Stöger) nemocnice v Novem Meste na Morave.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

OTOGNEY, V.G., inzh.; KARAGAYEV, V.I., inzh.

Using automatic dumping buckets in deepening a shaft at the Sovetskii Mine. Shakht.stroi. 8 no.12:23-24 D '64.
(MIRA 18:1)

1. Severo-Yeniseyskoye rudoupravleniye.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

BRYUKHANENKO, B.A., dotsent, kand. ekonom. nauk; BEN', T.G.; GERSHTENKERN, S.Ya.; KAGAN, I.S.; PRAVDIN, M.V.; STOGNIY, A.F.; KHAKHALINA, A.N.; CHERNIKHOV, V.S.; KOBYLYAKOV, I.I., dotsent, kand. ekonom. nauk; SHIRYAYEV, P.A., kand. ekonom. nauk

"Economic aspects of ferrous metallurgy" by N.P. Bannyi, V.B. Brodskii, IA.A. Oblomskii, V.V. Rikman, L.N. Roitburd. Reviewed by B.A. Briukhanenko and others. Stal' 22 no.6: 562-565 Je '62. (MIRA 16:7)

1. Dnepropetrovskiy metallurgicheskiy institut (for Ben', Gershtenkern, Kagan, Pravdin, Stogniy, Khakhalina, Chernikhov). 2. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz (for Kobylyakov).

(Iron industry) (Steel industry)
(Brodskii, V.B.) (Oblomskii, IA.A.)
(Rikman, V.V.) (Roitburd, L.N.)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, I.I.; BOVSUNOVSKIY, A.I.; SHAPOVALOV, P.T., nauchnyy sotrudnik; KUDARENKO, F.F., nauchnyy sotrudnik; ZELINSKIY, A.A, nauchnyy sotrudnik; SOROCHINSKAYA, N.F., nauchnyy sotrudnik

Farm management system on sugar beet growing collective farms. Zemledelie 7 no.12:21-29 D '59. (MIRA 13:3)

1. Predsedatel' kolkhoza imeni Lenina Zhashkovskogo rayona (for Stogniy). 2. Inspektsiya po sel'skomu khozyaystvu Zhashkovskogo rayona (for Bovsunovskiy). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Shapovalov, Kudarenko Zelinskiy, Sorochinskaya).

(Sugar beets) (Collective farms)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

KALUZHNIN, L.A., prof. (Kiyev); STOGNIY, A.A.; YADRENKO, M.Ya.

Mathematics clubs and contests in Kiev. Mat. pros. no.3: 229-234 '58. (MIRA 11:9)
(Kiev--Mathematics)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

9(5) PHASE I BOOK EXP. [illegible] 176

Problemy kibernetiki, vyp. 2 (Problems [illegible] Cybernetics, No. 2) Moscow, Fizmatgiz, 1959. 323 p. [illegible] inserted. 18,000 copies printed.

Ed.: A. A. Lyapunov; Compilers-Editors [illegible] Lupanov, B. Yu. Pil'chak, S. V. Yablonskiy, [illegible] Yanov; Eds.: A. A. Konoplyankin, and M. L. Smolyanskiy; Tech. Ed.: S. N. Akhlamov.

PURPOSE: The purpose of this collection of articles is to organize scientific papers on cybernetics and to unite the efforts and interests of Soviet scientists working in this field.

COVERAGE: This is the second volume of "Problemy kibernetiki", dealing with problems of biology, mathematics and engineering as they relate to cybernetics. The first volume, which appeared in 1958, considered problems of programming, machine translation and computer design. Future volumes propose to include a still greater number of subjects related to cybernetics. The editors list 5 recent Soviet books (including 2 translations) dealing with cybernetics. They thank the following persons for their help in preparing the book for publication: G. V. Vakulovskaya, T. L. Gavrilova, A. A. Muchnik, B. I. Finikov, M. L. Tsetlin and V. S. Shtarkman. References follow each article.

Val'skiy, R. E. (Leningrad). On the Least Number of Multiplications for Raising to a Given Power 73

The author presents his method of computation. There are no references.

PART II. THEORY OF CONTROL SYSTEMS

Yablonskiy, S. V. (Moscow). On Algorithmic Difficulties Encountered in the Synthesis of Minimum Switching Circuits 75

The author attempts to explain algorithmic difficulties arising when solving problems of cybernetics which allow for a trivial solution on the basis of the classical definition of the algorithm. However, such a solution is impracticable because of its cumbersomeness. The author suggests two variations for the solution of the problem. One consists in renouncing the minimum of circuits. The other consists in renouncing investigation of all the functions of the algebra of logic. There are 27 references: 21 Soviet (3 translations), 5 English and 1 French.

Krishevskiy, R. Ye. (Moscow). On the Realization of Functions by Superposition 123

The article consists of three parts. In the first part the author presents fundamental definitions: the superposition of elementary objects, realization, and the simplicity index. In the second part, the fundamental result (the value of $L(D_h)$, which is the upper bound of the indexes of the simplest constructions expressing functions of D_h) is obtained if the realizing constructions are superpositions of elementary objects. In part 3, a study is made of the consequences of the fundamental theorem pertaining to multi-value logic and the theory of networks. There are 13 references: 6 Soviet, 5 English and 2 German.

Tsetlin, M. L. and L. M. Shekhtman (Moscow). Two-cycle Ferro-transistor Circuits and Algebraic Methods of Their Synthesis 139

The authors aim at developing a regular algebraic method of synthesis of two-cycle ferro-transistor circuits, which recently have found rapidly increasing application in analog and digital computers and automatic control systems. Mathematical analysis is based on algebra of logic. The authors thank the following persons for their help: Professors K.P. Teodorchik and N.Ye. Kobrinskiy, and S.V. Yablonskiy, O.B. Lupanov, N.Ya. Matyushin and Yu.B. Pil'chak. There are 22 references, 11 Soviet (4 are translations), 10 English and 1 German.

PART III. PROGRAMMING

Glushkov, V.M. (Kiyev). On a Method of Automatizing Programming 181

The author briefly reviews existing methods of automatic programming programs, which attempt to make the process of programming as automatic as that of computing. This can be done by creating a "library" of programming programs and adapting a method of "operational programming." There are no references.

Stogniy, A.A. (Kiyev). Principles of Developing a Specialized Automatic Programming System 185

The method of automatic programming suggested by V.M. Glushkov (see preceding article) is being developed at the Computing Center of the Academy of Sciences, USSR. It consists in the creation of a library of specialized programming programs, and of programs for [illegible] the method and system of counting [illegible] [illegible] The author presents [illegible]

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A. A.; and GLUSHKOV, V.M. and GRISHCHENKO, V.N.

"Concerning One Alogorithm in Teaching to Recognize Logical Problems."

Report submitted for the Symposium on Principles in the Design of Self-Learning Systems, Kiev Ukr SSR, 5-9 May 1961

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOKHNIY, A.O.

33870
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D231/D304

16.6500 (1250, 1327, 1329)

AUTHOR: Stokhniy, A. O.

TITLE: On interpreting the method of Trefftz

SOURCE: Akademiya nauk Ukrayins'koyi RSR, Obchyslyuval'nyy tsentr. Zbirnyk prats' z obchyslyuval'noyi matematyky i tekhniky. v. 1, 1961, 68-77

TEXT: The author proposes an interpretation of the method of E. Trefftz (Ref. 1: Verh. Kongress für technische Mechanik, Zürich, 1926, pp. 131-137) for the approximate solution of Dirichlet's problem for Laplace's equation, in circumstances where Hal'orkin's method is inapplicable. [Abstractor's note: Hal'orkin's method not stated.] The two-dimensional case of Laplace's problem is considered for a region bounded by a simple Jordan contour which may be expressed in parametric form: $x = x(t)$, $y = y(t)$ $(0 \leq t \leq 1)$, where $x(t)$ and $y(t)$ are piece-wise elementary, and the contour is piece-wise smooth. By means of Keldysh's theorem [Abstractor's note: Theorem not stated], and the Gram-Schmidt orthogonalization

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On interpreting the method ...

process /Abstractor's note: Process not described_7, the solution is found in the form of a partial sum of a Fourier series. The following theorem is established: If the boundary function f(t) is continuous, then the nth approximation given by the partial sum converges uniformly to the solution of the problem as n in any region lying wholly within D, where D is the region bounded by the contour (1). It is recommended that the calculations arising from this problem be performed by a computer and programming details are given. The case of an arbitrary polygonal region is considered as an example. The necessary operations to be carried out are listed and suitable codes proposed for determining the polynomials in the basic program and for use in sub-programming. The details of the codes are given in tabular form. There are 5 tables and 10 references: 9 Soviet-bloc and 1 non-Soviet-bloc.

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34608
S/044/62/000/001/060/061
C111/C222

16.80

AUTHOR: Stogniy, A. A.

TITLE: The synthesis of an abstract automat according to the events it produces on an electronic digital computer (ЭЦМ) [ET$_s$M]

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 64-65, abstract 1V367. ("Zh. vychisl. matem. i matem. fiz.", 1961, 1, no. 3, 545-548)

TEXT: An algorithm is described to construct the table of transitions of an automat which represents an event after the regular registration of this event. The described synthesis-algorithm successively transforms the regular expression into one consisting of columns of the table of automat transitions written one after the other (starting with the first). Given is an algorithm to minimize the table of transitions. Regarding the described algorithm for constructing the minimized automat from the regular registrations of its represented events, a program for the computer "Kiyev" has been set-up containing some 300 commands. The experiments conducted with this computer have shown that it is possible to use a middle-sized computer to synthesize and minimize

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C111/C222

The synthesis of an abstract automat ... abstract automats with a transition table of n × m ≤ 700 ÷ 1700 elements (depending on the volume of the computer's memory).

[Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A.A.

Principles of constructing self-instruction systems. Zhur.vych.mat. i mat.fiz. 1 no.4:749-750 Jl-Ag '61. (MIRA 14:8)
(Programming (Electronic computers))

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

KALUZHNIN, L.A.; STOGNIY, A.A.

Kiev section of cybernetics. Probl. kib. no.6:300-302 '61.
(MIRA 15:1)

(Kiev--Cybernetics)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A. A.

"Algorithmical system for automation of digital automata synthesis"

report submitted for the Intl. Symposium on Relay Systems and Finite Automata Theory (IFAC), Moscow, 24 Sep-2 Oct 1962.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

ACCESSION NR: AT4016402 S/3049/62/000/000/0019/0026

AUTHOR: Glushkov, V. M.; Grishchenko, N. M.; Stogniy, A. A.

TITLE: Algorithm for the recognition of intelligent sentences

SOURCE: Printsipy* postroyeniya samoobuchayushchikhsya sistem (Principles of construction of self-instructing systems). Sbornik materialov simpoziuma, 1961. Kiev, Gostekhizdat UkrSSR, 1962, 19-26

TOPIC TAGS: artificial intelligence, syntax, data recognition, learning, self-improving machine, learning algorithm, cybernetics

ABSTRACT: The problem of recognizing intelligent sentences of one particular type is formulated in the article. The authors consider a finite set of (Russian language) words (substantives, verbs and prepositions), from which sentences can be constructed according to the scheme:

$$c_1 \varepsilon' (n, c_2)^*, \qquad (1)$$

where c_1 is the subject substantive; ε' is the predicate verb; n is the preposition; c_2 is the object substantive. Let there exist either a list of all the intelligent sentences which

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ACCESSION NR: AT4016402

can be composed of the words of the prescribed set according to scheme (1) or a certain "object" capable of determining whether the sentence composed according to the scheme does or does not make sense. The authors' task was to construct an algorithm which, after processing a certain body of randomly selected sentences and establishing the pairwise correlations between the words of the initial set, could, in the first place, establish with a certain probability the intelligibility of formerly unencountered sentences; secondly, the algorithm was to reduce the possibility of incorrect answers as the number of processed sentences increases by making use of an estimation of the outcome of its work on each sentence and an estimation of the possibility of employing the list of all the intelligent sentences, and, thirdly, as the number of processed sentences increases, reduce the mean time in processing one sentence in comparison with the mean time necessary to review the list of all intelligible sentences. In order to realize the last two points, the principle of instruction with a "teacher" and the principle of self-instruction were used when formulating the algorithm. The authors describe in detail the development of the algorithm. Two stages are distinguished: 1) from the set of sentences which can be formed according to scheme (1) by using all the words of the initial group, (the number of which equals $nm(n^k + n + 1)$, where n, m and k are the number of initial substantives, verbs and prepositions, respectively), the smallest subset is selected which contains all the permissible sentences; 2) from the subset of all permissible sentences

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ACCESSION NR: AT4016402

sentences the intelligent expressions are selected. Orig. art. has: 3 formulas.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 06Jan64 ENCL: 00

SUB CODE: CP NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

ACCESSION NR: AT4016404 S/3049/62/000/000/0052/0062

AUTHOR: Stogniy, A. A.

TITLE: Some mathematical problems in the construction of a digital logical machine

SOURCE: Printsipy* postroyeniya samoobuchayushchikhsya sistem (Principles of construction of self-instructing systems). Sbornik materialov simpoziuma, 1961. Kiev, Gostekhizdat UkrSSR, 1962, 52-62

TOPIC TAGS: programming, logical design, machine organization, machine language

ABSTRACT: The article discusses certain considerations concerning the expansion of the design and operational capabilities of existing general purpose digital computers in terms of their adaptation to the solution of logical problems. It is pointed out that the peculiar properties of digital computers make it necessary to simulate the information and operations of logical problems in the language of arithmetic operational bits and elementary operations. The problems center around the problem of filling the memory of the computer, since the operative elements of information, which for their coding require k-place binary numbers, must be placed in 40-place cells. The difficulties considered lead, in the opinion of the author, to a two-fold result. In the first place, the programming of logical problems on digital computers, in itself a difficult task, is

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ACCESSION NR: AT4016404

artificially complicated by purely technical considerations. Secondly, during the solution of logical problems on digital computers there is an incomplete utilization of the wealth of operational possibilities made available by the machines. These difficulties have to do less with the actual programming of nonarithmetical problems than with their subsequent realization. Machine difficulties are said to be temporary in nature. The author has analyzed algorithms for the solution of certain standard logical problems and has formulated, on this basis, requirements for memory design and prescribed the set of operations useful in the machine solution of this class of nonarithmetical problems. Orig. art. has: no graphics.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 06Jan64 ENCL: 00

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16.6200

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1011/1211

AUTHOR: Stogniy, A. A. (Kiyev)

TITLE: Solving a problem associated with the differentiation of functions on an electronic digital computer

SOURCE: Problemy kibernetiki, no 7, 1962, 189-199

TEXT: Academician A. A. Dorodnitsyn has raised the problem of programming the construction and successive computation of a series for the solution of an ordinary differential equation in the vicinity of a singular point [Ref. 1: Konferentsiya "Puti razvitiya sovetskogo matematicheskogo mashinostroyeniya i priborostroyeniya", Plenarnyye zasedaniya, VINITI, 1956 (Conference on "Ways of development of the Soviet mathematical engineering and instrument-making industries", Plenary sessions, VINITI, 1956)].

It is known that a program for the differentiation of functions in one or more variables was compiled abroad, but the principles of its construction were not published.

The main ideas that underlie the construction of a program for differentiating

$$Z = f(x, y), \quad \text{where } y = y(x)$$

and its use for solving an ordinary differential equation in the vicinity of a singular point are given in this paper.

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Formulas are written down in Lukashevich's bracketless form thus enabling one to minimize the number of cells occupied by them in the memory without making the programming more complex.

The differentiation is carried out by two algorisms. The first carries the differentiation symbol D into the formula according to the laws of differentiation, while the latter differentiates the elementary functions according to a table of derivatives. The first of these algorisms is explained in detail verbally and by the use of a a graphic scheme.

A program for the differentiation of functions in one variable of MESM S. A., Lebedev, Dashevskiy L. N., Shkabara Ye. A., [Ref. 7. Malaya elektromnaya schetuaya mashina, Izd-vo AN SSSR, 1952 (The Small Electronic Computing Machine", AS USSR Publishing House, 1952)] comprises about 250 orders. Because of the small memory of MESM the function $\ln \sin x + \frac{a}{\sqrt{x^2 - b}}$ was chosen for differentiation on it. A full list of the steps in this differentiation is given.

The existence of the differentiating program enables one to construct series with coefficients that depend on the values of the derivatives of a function at a given point. A program for the construction and computation of a partial sum of Taylor's series for a function given by an ordinary differential equation of the n-th order is discussed in principle. This solves the problem raised by Dorodnitsyn.

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Solving a problem associated with

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I011/I211

The author's thanks his scientific instructor V. M. Glushkov as well as L. A. Kaluzhnin and A. P. Yershov
There are 2 figures. The English-language reference reads as follows: Hopper and Mauchly, Influence of Programming Techniques on the Design of Computers, proceedings of IRE, 41, 10, 1953, 1250-1254.

SUBMITTED June 10, 1958 (initially)
November 1, 1960 (after revision)

Card 3/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A. A.

Coordination of research work on cybernetics in the Ukraine.
Zhur. vych. mat. i mat. fiz. 2 no.5:953-955 S-O '62.
(MIRA 16:1)

(Ukraine—Cybernetics—Research)

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A.A.

New monograph on cybernetics. NTI no.2:38-39 '63.
(MIRA 16:11)

1. Uchenyy sekretar' Soveta po kibernetike AN UkrSSR, g. Kiyev.

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ACCESSION NR: AT4016489 S/2582/63/000/010/0151/0163

AUTHOR: Stogniy, A. A. (Kiev)

TITLE: One structural variant of a digital machine for the conversion of alphabetic information

SOURCE: Problemy* kibernetiki, no. 10, 1963, 151-163

TOPIC TAGS: computer design, digital computer, analytic differentiation, minimization, Blake method, abstract automation, image recognition, fixed address program, alphabetic information, alphanumeric conversion, logical problem, digital logic machine, operational memory

ABSTRACT: The author discusses the specific design and operational characteristics of digital computers which reflect the specific nature of the computational problems the machine is built to handle. It is pointed out that these particular features of the machine give rise to considerable difficulties when computers are employed to solve problems of a non-arithmetic character (logical problems). These difficulties are discussed. A second shortcoming encountered when using digital computers for the solution of logical problems is the incomplete exploitation of the rich operational capabilities of electronic machines. The presence of a large, and ever-expanding, class of logical problems which are awaiting solution as well

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as the aforementioned difficulties encountered when attacking these problems on conventional digital equipment naturally led to the thought of the creation of what the author has called "digital logic machines" (DLM). In the present article, an attempt is made to formulate the structural requirements of the operational memory device (OMD) and the system of operations of a digital machine designed for the conversion of alphabetic information. In the development of these requirements the author has based his work on an analysis of a number of programs for the solution of non-arithmetic problems on the MESM, "Ural" and "Kiev" electronic digital computers. These problems include the analytic differentiation of elementary functions, the minimization of Boolean functions by the Blake method, the synthesis of an abstract automaton according to the event represented by it and the simplification of the flow tables of an abstract automaton, the teaching of image recognition, an algorithm for the recognition of sensible sentences and some algorithms for equivalent transformations of formulas of the algebra of statements and the algebra of predicates. In separate sections of the article, the author considers: 1) the structure of the operational memory; 2) the system of operations; 3) the structure of the commands of the system. The memory of the machine in question is described as a sequence of numbered single-bit binary cells. The author also discusses the possibility of forming compound information words on the "content level"; that is, on the level at which the properties of the information elements themselves are taken into consideration. Because of the structure adopted in the

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operational memory device of the machine described in the paper, the limitation of a fixed address for the commands is eliminated. Each program command, responsible for the execution of one of the operations, is written in several cells; in the first command cell are found the code of the operation and the special attributes, while the subsequent cells hold the values or codes of the argument and the digital parameters of the given operation (address). Orig. art. has: numerous equations.

ASSOCIATION: none

SUBMITTED: 29Jan62 DATE ACQ: 20Feb64 ENCL: 00

SUB CODE: DP NO REF SOV: 017 OTHER: 005

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ACCESSION NR: AT3002150 S/2923/62/000/000/0111/0113

53
52

AUTHOR: Stogniy, A. A. 16

TITLE: One method for solving the Neumann problem for the Laplace equation on an electronic computer

SOURCE: Vy*chislitel'naya matematika i tekhnika; trudy* aspirantov Instituta kibernetiki AN USSR. Izd-vo AN USSR, 111-113

TOPIC TAGS: Neumann problem, Laplace's equation, computer solving Neumann problem

ABSTRACT: A harmonic function in a closed region D can be approximated (M. V. Keldy*sh, Determining the function of a complex variable by polynomial series in closed regions, Mat. sb., v. 16/58, 1945) by harmonic polynomials to any specified accuracy. The Neumann problem (Enclosure 1) is considered, and the following digital-computer subprograms are compiled: setting up the fundamental harmonic polynomials, analytical differentiating of polynomials, raising a binomial to a power, adding and multiplying polynomials, evaluating a polynomial at a point, analytical integrating of polynomials, calculating determinants, and multiplying matrices. "The problem was formulated by V. M. Glushkov." Orig. art. has 8 formulas.

ASSOCIATION: Institute of Cybernetics

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STANNIK, A.A.

Coordination of research work in the field of vibrations in Ukraine.
Probl. kib. no.7:343-344 '61. (MIRA 17:10)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, A.A. (Kiyev)

Structural variant of a digital computer for transforming letter information. Probl. kib. no.10:151-163 '63. (MIRA 18:4)

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GLUSHKOV, V.M., otv. red.; KUKHTENKO, A.I., zam. otv. red.; BLAGOVESHCHANSKIY, Yu.V. red.; DOROSINITSYN, A.A., red.; YERSHOV, A.P., red.; LYAPUNOV, A.A., red.; MOSHALEV, I.S., red.; PUKHOV, G.Ye., red.; ROSTUNOV, T.I., red.; SAMOKHVALOV, K.G., red.; STOGNIY, A.A., red.; TIMOFEYEV, B.B., red.; SHCHERBAN', A.N., red.; LETICHEVSKIY, A.A., red.; KAPITONOVA, Yu.V., red.; NEL'NIK, T.S., red.

[Problems of theoretical cybernetics] Voprosy teoreticheskoi kibernetiki. Kiev, Naukova dumka, 1965. 209 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev.

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Pq-4/Pf-4/Pq-4/Peb/Pk-4 IJP(c) BB/WW/EM/GG
ACCESSION NR: AP5012125 UR/0378/65/000/001/0074/0082
51:681.14

AUTHOR: Glushkov, V. M.; Letichevskiy, A.A.; Stognly, A.A.

TITLE: Input languages for an engineering design computer

SOURCE: Kibernetika, no. 1, 1965, 74-82

TOPIC TAGS: computer language, engineering design computer, modified ALGOL-60, computer programming

ABSTRACT: An input language for a computer earmarked for engineering computations is described. The machine should: 1) handle limited problems since it is able to store a small amount of initial data; 2) use a simple input language and readily accept initial data; 3) handle the problem completely automatically; 4) incorporate a convenient (partially semiautomatic) setup for accepting and presenting information; and 5) be reliable and moderate in cost. The input language has much in common with the ALGOL-60 language except that it has a simpler program structure and a somewhat different description syntax. The article presents: 1) the basic symbols, identifiers, and numbers, 2) arithmetic expres-

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sions, 3) the operators, 4) a descriptive part, and 4) a program outline with examples. Orig. art. has: 8 formulas.

ASSOCIATION: None

SUBMITTED: 16Nov64 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 000

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L 04428-67 EWT(d)/EWP(1) IJP(c) BB/GG/GD
ACC NR: AT6014293 SOURCE CODE: UR/0000/65/000/000/0342/0345

AUTHOR: Glushkov, V. M. (SSSR); Letichevskiy, A. A. (SSSR); Stogniy, A. A. (SSSR)

48
B+1

ORG: none

TITLE: Algorithmic system for automating the synthesis of digital automata 16

SOURCE: International Symposium on the Theory of Relay Systems and Finite Automata. Moscow, 1962. Sintez releynykh struktur (Synthesis of relay structures); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 342-345

TOPIC TAGS: discrete automaton, digital computer, algorithmic language

ABSTRACT: Programs 66 are being developed (at the Institute of Cybernetics) for abstract, structural, and combinational synthesis of digital automata on a general-purpose digital computer. As input information, these forms are used: (1) A set of regular formulas (for abstract synthesis); (2) A flow and output table (for structural synthesis); (3) A system of dnf Boolean functions, i.e., the automaton

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feedback-loop functions (for combinational synthesis). A limited operating experience of the authors permits concluding that a "Kiev"-type computer (10000 operations per sec, 1024 40-digit elements in the internal storage) is suitable for automata synthesizing. In a discussion, A. Zakrevskiy stated that the above types of programs are liable to rapid obsolescence. A better solution would be to develop a special language based on simple and universal operators that constitute the synthesizing algorithms; such a special language could be coordinated with a general (e.g., ALGOL) language. Orig. art. has: 1 formula.

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"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

KRIVET, Ivan Ivanovich [Kryvets'kyi, I.I.]; STOHNII, A.O. [Stohnii, A.O.], kand. fiz.-mat. nauk, retsenzent

[Man and the cybernetic machine] Liudyna i kibernetychnyi avtomat. Kyiv, Tekhnika, 1965. 94 p. (MIRA 18:9)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2

STOGNIY, B.S., insh.

Differential protection system of generators using saturable transreactors. Energ. i elektrotekh. prom. no.2:23-26 Ap-Je '65. (MIRA 18:8)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653320009-2"