S/125/61/000/006/009/010
D040/D112

Welding rectifier with elastive and ...

	VSU-300		VSU-500	
	Elastive	Falling	Elastive	Falling
Network voltage		220 /	380 v	
Rated welding current, amp	300	200	500	350
Operation time (%)	60	60	60	60
Rated work voltage, v	35	30	40	30
No-load voltage, v	53-65	65	52-68	68
Welding current range limits, amp....	50-330	25-240	90-550	50-350
Welding voltage range, v.......	17-35	-	20-40	-
Efficiency, %	68	63	70	66
No-load losses, w	600	500	900	700
Outer dimensions, mm	910 x 612 x 960		1186 x 593 x 1017	
Weight, kg	320		420	

The VSU rectifiers have aluminum windings, and their efficiency is higher
and the no-load losses lower than in analogous motor-generator units. There
are 10 figures, 3 tables and 4 Soviet references.

ASSOCIATION: VNIIESO

SUBMITTED: December 12, 1960

Card 2/5

RYVKIN, A.M.

Use of logic circuits in damage indicating networks for rectifiers.
Izv. NIIPT no.5:136-148 '60.   (MIRA 14:1)
(Mercury-arc rectifiers)
(Pulse techniques (Electronics))

RYVKIN, A.M., kand.tekhn.nauk; SAKOVICH, A.A., inzh.; SURUTINA, T.A., inzh.

Operation of the KNOA-110/1000 contactor at a low temperature.

Elektrotekhnika 36 no.1:18-20 Ja '65.   (MIRA 18:3)

ZOZOVSKIY, Ye. G.   BYKIN, A. G.   kandidat tekhnicheskikh nauk.

Continuous measurement of the winding temperature of a generator rotor.
Elek.sta. 24 no.4:41-42 Ap '53.   (MLRA 6:5)
                                                                  (Armatures)

RYVKIN, A.M., kandidat tekhnicheskikh nauk.

Selecting and calculating the parameters of a direct current
measuring transformer. Elektrichestvo no. 9:26-28 S '54.
(MLRA 7:9)

1. Nauchno-issledovatel'skiy institut postoyannogo toka.
   (Electric transformers)

Calculation of the potential transformer. A. M. Rivero. Elek-Hichestvo, 1954, No. 9, 46 p. — in Russian.

The transformer considered is essentially a saturable reactor in which the average value of the a.c. passing through it is directly proportional to the measured d.c. The relation between the two currents is obtained by plotting the trajectory of the working point of the reactor through the set of curves of simultaneous d.c. and a.c. magnetization of the toroidal reactor cores. With certain permissible assumptions, this trajectory is an ellipse the position of which depends on the circuit characteristics and the equation of which is simply derived from the voltage balance of the circuit. This forms the basis of a graphical-analytical method given for determining the main parameters of the transformer. — B. F. KRAUS

SOV/24-59-2-13/30

AUTHORS: Vakhrameyev, L. A., Ryvkin, A. M. (Moscow)

TITLE: The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves (Raschet kolebatel'nykh sostavlyayushchikh toka ventilya pri zazhiganii v mostovom preobrazovatele)

ABSTRACT: High frequency oscillations excited in the valves of the bridge rectifier at the moment of ignition set an additional load causing radio interference. This is illustrated in Fig 1, where 1 represents the anode-cathode tension, 2 represents the valve current, 3 – current and tension at $L_1 = L_2 = 0.5$ µh and $L_3 = 13$ µh , 5 – current and tension at $L_1 = L_2 = 0.5$ µh , $L_3 = 13$ µh , $C_3 = 3000$ PF, 6 – current and tension at $L_1 = L_2 = 0.5$ µh , $L_3 = 13$ µh, $C_3 = 8000$ PF . These oscillograms were obtained from a substation on the power line Kashira-Moscow. A simplified circuit of the bridge segments is shown in Fig 2, where a – one segment of the bridge rectifier consisted of the valves
Card 1/4   B1 and B2, b – the conversion of the above circuit: it

SOV/24-59-2-13/30

The Calculation of Oscillation Components of the Ignition Current
in the Bridge Rectifier Valves

consists of 7 complete circuits, each becoming excited upon
closing of the knife switches B1 and B2 . In this case
the segments take the form of the set of circuits as shown
in B ; B3 - non-sparking valve, $L_1 L_2$ - anode reactors,
L_3 - phase reactor, L_4 - winding of the power transformer,
C_1, C_2 - capacity of isolated transformers, C_3 - total
capacity of transformer sleeve and lead, C_4 - capacity of
transformer neutral line, C_5, C_6, R_1, R_2 - conductivity
and resistance of the dividing circuits, C_1, R_3 - conduc-
tivity and resistance of phase damping. The most difficult
part of the calculation appears to be that of the conversion,
which is affected by operational terms of the free current of
a transitional character. The formula for the circuit 2b
type, consisting of n segments can be defined as Eqs(1-3).

Card 2/4

The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

As an example, the Eqs (2) and (3) for $n = 4$ can be written as Eqs (4) and (5). For the 4-segment circuit the multi-term $F_2(p)$ can be written as Eq (6) for $p = j\omega$ and $\omega^2 = x$. The coefficients $a_0, \ldots a_4$ correspond to those of Eq (5). Thus a series of functions (7) are obtained for $f_3(x) \neq 0$. The table on p 92 gives the frequencies of the components of a transitional character at the ignition of the valves. The columns 1-4 illustrate the effect on phase, columns 4 and 6 show the calculated amplitudes I_1, I_2, I_3, I_5 corresponding to the transitional frequencies f_1, f_2, f_4 for $L_1 = L_2 = 0.5 \ \mu h$,

$L_3 = 13 \ \mu h$, $L_4 = 50 \ \mu h$, $C_1 = C_2 = 500 \ PF$,

$C_4 = 3000 \ PF$, and for the tension 100 kV with an angle

Card 3/4

SOV/24-59-2-13/30

The Calculation of Oscillation Components of the Ignition Current
in the Bridge Rectifier Valves

of valve extinction 20° (Fig 2). Column 6 corresponds to
the oscillation 5 , while column 7 corresponds to the
oscillation 4 , Fig 1. There are 2 figures, 1 table and
1 Soviet reference.

SUBMITTED: August 9, 1958.

Card 4/4

SOV/105-59-5-22/29

8(3)

AUTHORS: Sonin, M. R., Engineer
Ryvkin, A. M., Candidate of Technical Sciences

TITLE: Project for the Direct-current Transmission Across the English Channel (Proyekt peredachi postoyannogo toka cherez Lamansh)

PERIODICAL: Elektrichestvo, 1959, Nr 5, pp 86-88 (USSR)

ABSTRACT: Mention is made of the communication in Elektrichestvo, 1957, Nr 7, (Ref 3), and an abstract is given here on the basis of the following papers in English: 1) Lidem, J., ASEAJ, 1958, v 31, Nr 6, p 70; 2) Lamm, U., Direct Current, 1958, v 4, Nr 1, p 1; 3) Forssell, H., Direct Current, 1955, v 2, Nr 5, p 109 and Nr 7, p 166; 4) Uhlemann, E., Direct Current, 1953, v 1, Nr 5, p 105. There are 3 figures, 1 table, and 5 references, 1 of which is Soviet.

Card 1/1

RYVKIN,

AID P - 636

Subject   : USSR/Electricity

Card 1/1   Pub. 27 - 5/34

Author   : Ryvkin, A. M., Kand. of Tech. Sci.

Title   : Selection of characteristics and design of a D-C transformer

Periodical   : Elektrichestvo, 9, 26-28, S 1954

Abstract   : A method of calculation is presented and illustrated with
                 4 graphs, 2 references, (1950, 1951).

Institution   : Scientific Research Institute on D-C

Submitted   : Mr 26, 1954

SANKIN, D.I., kand. ekon. nauk; SEMINOY, S. I., kand. ekon. nauk; BEREZNOY, N.I., kand. ekon. nauk; ZHDANOV, A.I., kand. ekon. nauk; GORCHAKOV, A.A., inzh.; ZAKHAROV, V.V., inzh.; YUNOVICH, I.M., inzh.; RYVKIN, A.S., inzh.; KOVRIGIN, V.V., ekonomist; DIDENKO, S.I., kand. ekon. nauk; SANDOMIRSKIY, A.T., ekonomist; GONCHARENKO, B.L., kand. ekon. nauk; KOTOV, V.F., inzh.; EYDEL'MAN, B.I., red.

[Handbook for the economist and planner in an industrial enterprise] Spravochnik ekonomista i planovika promyshlennogo predpriiatiia. Moskva, Ekonomika, 1964. 698 p.
(MIRA 17:6)

RYVKIND, A.V. (Moskva)

Morphological substrate and pathogenesis of hemorrhage during the separation of pleural adhesions. Eksp.khir. 4 no.2:56-58 Mr-Ap '59.
(MIRA 12:5)
(PNEUMONOLYSIS, compl.
hemorrh., morphol. & pathogen. aspects (Rus))

LOBACHEVSKIY, Nikolay Ivanovich; BRONSHTEYN, I.N.; NORDEN, A.P., redaktor;
RYVKIN, A.Z., redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor

[Three works on geometry: Geometry. Geometrical studies on the
theory of parallel lines. Pangeometry] Tri sochineniia po geometrii:
Geometriia. Geometricheskie issledovaniia po teorii parallel'nykh
linii. Pangeometriia. Vstup. stat'ia A.P.Nordena. Primechaniia
V.F. Kogana. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 415 p.
(MLRA 9:7)
    (Geometry)

VYGODSKIY, Mark Yakovlevich; RYVKIN, A.Z., redaktor; SOSIN, B.G., redaktor
AKHLAMOV, S.N., tekhnicheskiy redaktor

[Manual of higher mathematics] Spravochnik po vysshei matematike.
Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 783 p. (MLRA 9:8)
(Mathematics--Handbooks, manuals, etc.)

ALEKSANDROV, A.D., redaktor; KOLMOGOROV,A.N., akademik, redaktor; LAVRENT!YEV,
M.A., akademik, redaktor; BYKIN, A.Z., redaktor izdatel'stva; POLI-
VANOVA, Ye.B., tekhnicheskiy redaktor; ZELENKOVA, Ye.V., tekhnicheskiy
redaktor

[Mathematics, its content, methods, and significance] Matematika, ee
soderzhanie, metody i znachenie. Moskva. Vol.1. 1956. 294 p. Vol.2.
1956. 395 p. Vol.3. 1956. 336 p.   (MIRA 9:12)

1. Akademiya nauk SSSR. Matematicheskiy institut. 2. Chlen-
korrespondent AN SSSR (for Aleksandrov)
        (Mathematics)

ANTONOV, Nikolay Petrovich; VYGODSKIY, Mark Yakovlevich; NIKITIN, Vladimir
    Vasil'yevich; SANKIN, Aleksandr Iosifovich; RYVKIN, A.Z.,redaktor;
    AKHLAMOV, S.N., tekhnicheskiy redaktor

[A collection of problems in elementary mathematics; a manual for
home study] Sbornik zadach po elementarnoi matematike; posobie dlia
samoobrazovaniia. Izd. 3-e. Moskva, Gos. izd-vo tekhniko-teoret.
lit-ry, 1956. 532 p.   (MLRA 10:1)
            (Mathematics--Problems, exercises, etc.)

BERMAN, G.N.; RYVKIN, A.Z., redaktor; NEGRIMOVSKAYA, R.A., tekhnicheskiy
redaktor.

[Computation techniques] Priemy scheta. Izd. 5-e. Moskva, Gos. izd-
vo tekhniko-teoret. lit-ry, 1953. 87 p. [Microfilm]   (MLRA 7:12)
(Arithmetic)

NORDEN, A.P.; ORLOV, V.B., redaktor; RYVKIN, A.Z., redaktor; GAV-
RILOV, S.S., tekhnicheskiy redaktor.

[Elementary introduction to Lobachevskian geometry] Elemen-
tarnoe vvedenie v geometriiu Lobachevskogo. Moskva, Gos. izd-
vo tekhniko-teoret. lit-ry, 1953. 248 p.   (MLRA 7:8)
        (Geometry, Non-Euclidean)

HERMAN, G.N.; RYVKIN, A.Z., redaktor.

[Numbers and the theory of numbers; popular essays on the arith-
metic of natural numbers] Chislo i nauka o nem. Obshchedostupnye
ocherki po arifmetike natural'nykh chisel. Izd. 2. ispr. Moskva,
Gos. izd-vo tekhniko-teoret. lit-ry, 1954. 163 p.   (MLRA 7:8)
     (Numbers, Theory of)

SONIN, N.Ya.; AKHIEZER,N.I., redaktor; RYVKIN, A.Z., redaktor.

[Research on cylindrical functions and special polynomials]
Issledovaniia o tsilindricheskikh funktsiiakh i spetsial'nykh
polinomakh. Red. i kommentarii N.I.Akhiezera. Moskva, Gos. izd-vo
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      (Bessel's functions) (Polynomials)

SHKLYARSKIY, D.O.;   CHENTSOV, N.N.;   YAGLOM, I.M.;   RYVKIN, A.Z., redaktor;
GAVRILOV, S.S., tekhnicheskiy redaktor.

[Selected problems and theorems of elementary mathematics. Pt.3.Solid
geometry] Izbrannye zadachi i teoremy elementarnoi matematiki. Chast'3.
Geometri a (Stereometriia). Moskva, Gos.izd-vo tekhniko-teoreticheskoi
lit-ry, 1954. 267 p. (Biblioteka matematicheskogo kruzhka, no.3.)
(Geometry, Solid)   (MIRA 8:4)

GNEDENKO, B.V.; RYVKIN, A.Z., redaktor; MURASHOVA, N.Ya., tekhnicheskiy
redaktor

[Course in the theory of probabilities] Kurs teorii veroiatnostei.
Izd. 2-e, perer. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-ry,
1954. 411 p.   (MIRA 8:3)
(Probabilities)

VYGODSKII, M.Ia.; RIVKIN, A.Z., redaktor; AKHLAMOV, S.N., tekhnicheskiy
redaktor.

[Reference book on elementary mathematics; tables, arithmetic,
algebra, geometry, trigonometry, functions and graphs] Spravoch-
nik po elementarnoi matematike; tablitsy, arifmetika, algebra, geo-
metriia, trigonometriia, funktsii i grafiki. Izd. 7-e. Moskva, Gos.
izd-vo tekhniko-teoret. lit-ry, 1954. 412 p.   (MLRA 7:11)
        (Mathematics)

SHKLYARSKIY, D.O.;   CHENTSOV, N.N.;   YAGLOM, I.M.; RYVKIN, A.Z., redaktor;
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[Selected problems and theorems in elementary mathematics] Izbrannye
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Moskva, Gos. izd-vo tekhniko-teoret. lit-ry. Pt. 1 [Arithmetic and
algebra] Arifmetika i algebra. 1954. 455 p.   (MIRA 8:6)
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BERMANT, A.F., professor; RYVKIN, A.Z., redaktor; TUMARKINA, N.A.,
tekhnicheskiy redaktor

[Course in mathematical analysis] Kurs matematicheskogo analiza.
Izd. 7-e, perer. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry.
Pt. 1. 1954. 466 p.   (MIRA 7:9)
(Calculus)

YAGLOM, A.M.; YAGLOM, I.M.; RYVKIN, A.Z., redaktor; AKHLAMOV, S.N., re-
daktor

[Non-elementary problems in elementary terms; problems in the theory
of combinations and the theory of probabilities; problems from var-
ious fields of mathematics] Neelementarnye zadachi v elementarnom
izlozhenii; zadachi po kombinatorike i teorii veroiatnostei; za-
dachi iz raznykh oblastei matematiki. Moskva, Gos.izd-vo tekhniko-
teoret. lit-ry, 1954. 543 p. (Bib-ka matematicheskogo kruzhka, no.5)
(Combinations) (Probabilities)   (MLRA 8:8)

BOLTYANSKIY, Vladimir Grigor'yevich; RYVKIN, A.Z., redaktor; GAVRILOV,
S.S., tekhnicheskiy redaktor.

[What is differentiation?] Chto takoe differentsirovanie? Moskva,
Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 62 p.   (MLRA 9:4)
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POSTNIKOV,M.M.; PETROVSKIY,I.G., akademik, redaktor; NIKOL'SKIY,S.M.,
professor, redaktor; RYVKIN,A.Z., redaktor; GRAKOVA,Ye.D., tekhni-
cheskiy redaktor

[Investigation on the homotopic theory of continuous mappings.
Part 1. Algebraic theory of systems. Part 2. Natural systems
and the homotopic type.] Issledovaniia po gomotopicheskoi teorii
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Natural'naia sistema i gomotopicheskii tip. Moskva, Izd-vo Akade-
mii nauk SSSR, 1955. 158 p. (Akademiia nauk SSSR. Matematicheskii
institut. Trudy, vol. 46)   (MIRA 8:9)
(Conformal mapping)

BOLTYANSKIY,V.G.,; PETROVSKIY,I.G., akademik, redaktor; NIKOL'SKIY,S.M.,
professor, redaktor; RYVKIN,A.Z., redaktor; MOSKVICHEVA,N.I.,
tekhnicheskiy redaktor

[Homotopic theory of continuous mappings and vector fields.]
Gomotopicheskaia teoria nepreryvnykh otobrazhenii i vektor-
nykh polei. Moskva, Izd-vo Akademii nauk SSSR, 1955. 199 p.
(Akademiia nauk SSSR. Matematicheskii institut. Trudy, vol.47)
(Conformal mapping) (Vector analysis)   (MIRA 8:9)

AKHIYEZER, Naum Il'ich; RYVKIN, A.Z., redaktor; AKHLAMOV, S.N., tekhni-
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[Lectures on the calculus of variations] Lektsii po variatsion-
nomu ischisleniiu. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-
ry, 1955. 248 p.   (MIRA 8:6)
          (Calculus of variations)

BRONSHTEYN,I.N.; SEMENDYAYEV,K.A.; RYVKIN,A.Z., redaktor; AKHLAMOV,S.N.,
tekhnicheskiy redaktor

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Izd. 5-oe, stereotip. Moskva, Gos.izd-vo tekhniko-teoret. lit-ry,
1955. 608 p.   (MIRA 9:3)
        (Mathematics--Handbooks, manuals, etc.)

BERMANT, Anisim Fedorovich; LYUSTERNIK, Lazar' Aronovich; RYVKIN,A.Z.,
redaktor; TSLAF,L.Ya., redaktor; MURASHOVA, N.Ya., tekhniche-
skiy redaktor

[Trigonometry] Trigonometriia. Moskva, Gos.izd-vo tekhniko-
teoret. lit-ry, 1956. 179 p.   (MLRA 9:4)
                              (Trigonometry)

MITROPOL'SKIY, Aristarkh Konstantinovich; RYVKIN, A.Z., red.; MURASHOVA,
N.Ya., tekhn.red.

[Concise mathematical tables] Kratkie matematicheskie tablitsy.
Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 95 p.
(MIRA 12:9)
(Mathematics--Tables, etc.)

KHRENOV, Leonid Sergeyevich, prof.; RIVKIN, A.Z., red.

[Six-place tables of trigonometric functions containing
the natural values of six trigonometric functions at 10"
intervals from $0°$ to $360°$, the contangent and cosecant
values at 1" intervals from $0°$ to $3°05'$ and the value of
$\sin^2 \frac{\alpha}{2}$ and $\tan^2 \frac{\alpha}{2}$ from $0°$ to $180°$] Shestiznachnye tablitsy
trigonometricheskikh funktsii; soderzhashchie natural'nye
znacheniia shesti trigonometricheskikh funktsii cherez
kazhdye 10" ot 0 do $360°$, znacheniia kotangensov i kose-
kansov cherez 1" ot 0 do $3°05'$ i znacheniia $\sin^2 \frac{\alpha}{2}$ i
$\text{tg}^2 \frac{\alpha}{2}$ ot $0°$ do $180°$. Izd.2., ispr. Moskva, Nauka,
1964. 372 p.   (MIRA 18:2)

RUMSHISKIY, Lev Zimonovich; RYVKIN, A.Z., red.

[The slide rule] Schetnaia lineika. Izd.2., perer. Mo-
skva, Izd-vo "Nauka," 1965. 63 p.   (MIRA 18:3)

SMOLYANSKIY, M.L.; RYVKIN, A.Z., red.; GASTEV, Yu.A., red.

[Some problems in modern mathematics and cybernetics;
collection of articles for mathematics teachers] O ne-
kotorykh voprosakh sovremennoi matematiki i kiberne-
tiki; sbornik statei v pomoshch' uchiteliu matematiki.
Moskva, Prosveshchenie, 1965.   530 p.   (MIRA 18:7)

BOKHAN, Konstantin Aleksandrovich; VULIKH, B.Z., prof., red.;
RYVKIN, A.Z., red.; DOLGOPOLOV, V.G., red.

[Problems and exercises in mathematical analysis] Za-
dachnik-praktikum po matematicheskomu analizu. Moskva,
Uchpedgiz. Pt.1.[Introduction to analysis; differential
calculus of functions of a single variable] Vvedenie v
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remennoi. Izd.2., isp. i dop. 1962. 168 p.
(MIRA 17:9)

PANOV, Dmitriy Yur'yevich; KUSUN'KO, V.G., red.; RYVKIN, A.Z.,
        red.

        [Slide rule] Schetnaia lineika. Izd.17., isp. Moskva,
        Izd-vo Nauka, 1964. 167 p.   (MIRA 17:8)

RUMYNSKIY, Lev Zimonovich; VOFNOVITSKIY, M.Ya., red.; RYVKIN, A.Z.,
        red.; MIKHLIN, E.I., tekhn.red.

[The slide rule] Schetnaia lineika. Moskva, Fizmatgiz, 1963.
63 p.   (MIRA 17:4)

KHRENOV, Leonid Sergeyevich; GAN'SHIN, V.N., red.; RYTKIN, A.Z., red.;
AKSEL'ROD, I.Sh., tekhn. red.

[Small calculating machines] Malye vychislitel'nye mashiny;
kratkoe spravochnoe rukovodstvo. Izd.3., perer. Moskva,
Fizmatgiz, 1963. 212 p.   (MIRA 16:8)
                (Calculating machines)

ZELENIN, Yevgeniy Vladimirovich; LAPKO, A.F., red.; RYVKIN, A.Z., red.; BRUDNO, K.F.

[Elementary manual on mechanical drawing] Elementarnyi spravochnik po chercheniiu. Moskva, Fizmatgiz, 1963. 254 p.
(MIRA 16:10)

(Mechanical drawing)

VYGODSKIY, Mark Yakovlevich; VORNOVITSKIY, M.Ya., red.; RYVKIN, A.Z.,
    red.; YERMAKOVA, Ye.A., tekhn. red.

   [Handbook on elementary mathematics; tables, arithmetic, algebra,
   geometry, trigonometry, functions, and graphs]Spravochnik po ele-
   mentarnoi matematike; tablitsy, arifmetika, algebra, geometriia,
   trigonometriia, funktsii i grafiki. Izd.14. Moskva, Fizmatgiz,
   1962. 420 p.   (MIRA 15:12)
                   (Mathematics—Tables, etc.)

KHRENOV, Leonid Sergeyevich, prof.; RYVKIN, A.Z., red.; AKSEL'ROD, I.Sh., tekhn. red.

[Five-digit tables of trigonometric functions containing the natural values of six trigonometric functions at intervals of 1' from 0° to 360° and the cotangent and cosecant values at intervals of 1" from $0^\circ00'$ to $1^\circ00'$ and at intervals of 10" from 1° to 10°] Piatiznachnye tablitsy trigonometricheskikh funktsii soder-zhashchie natural'nye znaheniia shesti trigonometricheskikh funktsii cherez 1' ot 0 do 360° i znacheniia kotangensov i kosekansov che-rez 1" ot $0^\circ00$ do $1^\circ00$ i cherez 10" ot 1 do 10°. Izd.4. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1962. 102 p.   (MIRA 15:7)
                    (Trigonometrical functions)

VYGODSKIY, Mark Yakovlevich; BELYAYEVA, V.N., red.; RYVKIN, A.Z., red.;
AKHLAMOV, S.N., tekhn. red.

[Handbook on higher mathematics] Spravochnik po vysshei matematike.
Izd.6., dop. i ispr. Moskva, Gos. izd-vo fiziko-matem. lit-ry,
1962. 870 p.   (MIRA 15:6)
        (Mathematics--Handbooks, manuals, etc.)

BARI, Nina Karlovna; UL'YANOV,,P.L., red.; RIVKIN,A.Z., red.; BRUDNO,
K.F., tekhn.red.

[Trigonometric series] Trigonometricheskie riady. Pri red.
uchastii P.L.Ul'ianova. Moskva, Gos.izd-vo fiziko-maten.lit-
ry, 1961. 936 p.

(MIRA 14:5)

(Fourier's series)

SHTEYNGAUZ, G. [Steinhaus, Hugo]; BOYARSKAYA, G.F. [translator];
   BOYARSKIY, B.V. [translator]; RYVKIN, A.Z., red.; AKHLAMOV,
   S.N., tekhn.red.

[One hundred problems] Sto zadach. Moskva, Gos.izd-vo fiziko-
matem.lit-ry, 1959. 156 p. Translated from the Polish.
                                                    (MIRA 13:10)

    (Mathematics--Problems, exercises, etc.)

PEREL'MAN, Yakov Isidorovich [deceased]. Prinimal uchastiye RYVKIN,
A.Z., red.; BRUDNO, K.F., tekhn.red.

[Arithmetic made interesting; puzzles and wonders in the world
of numbers] Zanimatel'naia arifmetika; zagadki i dikovinki v
mire chisel. Izd.9 s dop. A.Z.Ryvkina. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 189 p.   (MIRA 13:10)
          (Arithmetic--Problems, exercises, etc.)

GEL'FAND, Izrail' Moiseyevich; SHILOV, Georgiy Yevgen'yevich; RYVKIN,
A.Z., red.; BRUDNO, K.F., tekhn.red.

[Generalized functions and operations on them] Obshchennye
funktsii i deistviia nad nimi. Moskva, Gos.izd-vo fiziko-
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no.1).   (MIRA 13:4)
                    (Functional analysis)

RYVKIN, A.Z., red.; KOL'CHENKO, T.N., tekhn.red.

[Classified plan of literature on physics and mathematics, and
foreign technical and scientific dictionaries to be published
during 1958] Tematicheskii plan vypuska fiziko-matematicheskoi
literatury i inostrannykh nauchno-tekhnicheskikh slovarei na
1958 god. Moskva, Gos.izd-vo tekhniko-teoret.lit-ry, 1957.
59 p.   (MIRA 13:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye knizhnoy tor-
govli.
     (Bibliography--Science)   (Bibliography--Technology)

VYGODSKIY, Mark Yakovlevich; RYVKIN, A.Z., red.; SOSIN, B.G., red.;
AKHLAMOV, S.N., tekhn.red.

[Handbook of higher mathematics] Spravochnik po vysshei
matematike. Izd.4., stereotipnoe. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 783 p.   (MIRA 12:8)
        (Mathematics--Handbooks, manuals, etc.)

GEL'FAND, Izrail' Moiseyevich; SHILOV, Georgiy Yevgen'yevich; AGRANOVICH,
          M.S., red.; RYVKIN, A.Z., red.; BRUDNO, K.F., tekhn.red.

          [Generalized functions and operations with them] Obobshchennye
          funktsii i deistviia nad nimi. Moskva, Gos. izdvo fiz.-matem.
          lit-ry, 1958. 439 p. (Obobshchennye funktsii, no. 1)   (MIRA 11:7)
                         (Mathematical analysis)

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ALEKSANDROV, P.S., redaktor; MARKUSHEVICH, A.I., redaktor; KHINCHIN, A.Ya.,
redaktor; RYVKIN, A.Z., redaktor; MURASHOVA, N.Ya., tekhnicheskiy
redaktor

[Encyclopedia of elementary mathematics] Entsiklopediia elementar-
noi matematiki. Pod red. P.S.Aleksandrova, A.I.Markushevicha i A.IA.
Khinchina. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry. Vol. 2.
Algebra. 1951. 424 p.   (MLRA 7:10)
        (Algebra)

RYVKIN, B., vrach

Role of regional sanitary epidemiological stations in the prevention of agricultural accidents. Gig. i san. 21 no.4:55-56 Ap '56.

(MLRA 9:7)

(ACCIDENTS,
    farm accid., prev. in Russia (Rus))
(AGRICULTURE,
    farm accid., prev. in Russia (Rus))

RYVKIN, B.A.; RYVKINA, F.Z.   (Leningrad)

Statistical recording of myocardial infarct. Terap. arkh. 35
no.5:100-101 My'63   (MIRA 16:12)

RYVKIN, B.H.

RYVKIN, B.A., sanitarnyy vrach

Hygienic conditions in machine-tractor station repair shops. Gig. i san. 22 no.7:82-83 Jl '57.   (MIRA 10:10)

1. Iz Pskovskoy rayonnoy sanitarno-epidemiologicheskoy stantsii
      (AGRICULTURE,
            hyg. aspects of tractor shops (Rus))

ACC NR: AR6035549   SOURCE CODE: UR/0269/66/000/010/0059/0059

AUTHOR: Ryvkin, B. A.

TITLE: Influence of heliophysical factors on the level of myocardial infarction morbidity

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.426

REF SOURCE: Solnechnyye dannyye, no. 12, 1965 (1966), 63-65

TOPIC TAGS: solar flare, sun, solar activity, quiet sun, myocardial infarction

ABSTRACT: An analysis of 8368 cases of myocardial infarction in 1960—1963 in Leningrad has established that the mean daily incidence of the disease is higher in days of higher solar activity (according to W and S indices and chromospheric flares) than in days of the quiet Sun. The biotropic effect of solar activity is more manifest during geoeffective flares and during transitional and winter seasons. Changes in morbidity level in the 11-year cycle phase have not been detected. [Translation of abstract]   [DW]

SUB CODE: 03, 07/

Card 1/1   UDC: 523.7:525.235

ACC NR: AR6035550   SOURCE CODE: UR/0269/66/000/010/0059/0059

AUTHOR: Ryvkin, B. A.; Ryvkina, F. Z.

TITLE: Effect of solar and geomagnetic disturbances on the cellular composition and the blood prothrombin index

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.427

REF SOURCE: Solnechnyye dannyye, no. 1, 1966, 76-78

TOPIC TAGS: solar activity, solar disturbance, geomagnetic disturbance, cellular composition, blood prothrombin index

ABSTRACT: The observations were carried out in 1962—1964 during minimum solar activity. It was observed that even then, the nonperiodic increases of solar activity exert a considerable biotropic effect on the blood system. As solar activity increases, the number of people affected also increases. This is probably related to the "sensitivity thresholds" which vary with individuals. [Translation of abstract] [DW]

SUB CODE: 03, 07/

Card 1/1   UDC: 523.7:525.235

RYVKIN, B.A., vrach-epidemiolog.

Sanitary inspection of the machine-tractor station. Fel'd i akush.
22 no.6:31 June '57.   (MIRA 12:3)
        (PSKOV DISTRICT--MACHINE-TRACTOR STATIONS--HYGIENIC ASPECTS)

RYVKIN. B.A.

Permissible limits on the sulphur dioxide content in the air of
industrial locations. Vrach.delo no.9:985 S '59.   (MIRA 13:2)

1. Syas'stroyskaya bol'nitsa Leningradskoy oblasti.
                (SULFUR DIOXIDE--TOXICOLOGY)

RYVKIN, B.A.

Some errors in standard plans of tractor workshops. Gig. i san. 21
no.11:77-78 N '56.   (MLRA 10:2)

1. Iz Pavskoy rayonnoy sanitarno-epidemiologicheskoy stantsii
Pskovskoy oblasti.
        (INDUSTRIAL HYGIENE
            prev. of errors in planning of tractor work-shops)

RYVKIN, B.M.

Sanitary and hygienic working conditions and morbidity of machine
tractor station workers. Gig. i san. 23 no.6:70-71 Je '58
(MIRA 11:7)

1. Iz Mglinskoy bol'nitsy Pskovskogo rayona.
        (INDUSTRIAL HYGIENE
            working cond. & morbidity in tractor stations in
            Russia (Rus))

RYVKIN, B.O.

On the problem of sanitary and hygienic labor conditions for
school children during agricultural work. Gig.i san.   25 no.7:92
Jl '60.   (MIRA 14:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Bologoye.
           (AGRICULTURE--HYGIENIC ASPECTS)

RYVKIN, B.V.

Biology and economic importance of Trichogramma embryophagum (Htg.)
(Hymenoptera, Trichogrammatidae) [with summary in English]. Ent. oboz.
38 no.2:382-393 '59.   (MIRA 12:7)

1.Belorusskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva,
Gomel'.

                    (Chalcid Flies) (Parasites--Forest insects)

RYVKIN, B.V., kand. biol. nauk; PRISYAZHNYUK, A., red.; STEPANOVA, N., tekhn. red.

[Control of the principal forest pests] Bor'ba s glavneishimi vrediteliami lesa. Izd.2v, ispr. i dop. Minsk, Gos. izd-vo BSSR, 1954.
79 p.   (MIRA 11:7)

(Forest insects)

RYVKIN, B.V.

Specific features of gypsy moth outbreaks and factors furthering
them [with summary in English]. Zool.zhur. 36 no.9:1355-1358 S '57.
(MIRA 10:10)

1.Zoologicheskiy institut AN SSSR.
(Gypsy moth)

KHARITONOVICH, F.N., otv. red.; BEREZENKO, N.M., zam. otv. red.
MOISEYENKO, F.P., red.; ORLENKO, Ye.G., red.; OSTROGLAZOV,
V.A., red.; RYVKIN, B.V., red.; SAVCHENKO, A.I., red.;
SINITSKIY, V.P., red.; POBEDOV, V.S., red.; BARKAN, V.,
red.; ZUYKOVA, V., tekhn. red.

[Forestry science and practice]Lesovodstvennaia nauka i prak-
tika. Minsk, Sel'khozgiz BSSR, 1962. 246 p. (MIRA 16:1)
                (White Russia--Forests and forestry)

KITAIK, B.V., Doc Bio Sci--(diss) "Entosphages of the ~~~~~~~~~~~
silkworms and saw flies in the forests of the European port of the USSR."
Mos, 1958. 34 pp (Zool Inst of the Acad Sci USSR. Scientific Council),
150 copies. list of author's works at end of text (16 titles) (KL, 21-58, 100)

— 25 —

Abs Jour   :   Ref Zhur - Biol., No 5, 1958, 21062

Author   :   Ryvkin, B.V.

Inst   :

Title   :   A Polyphagous Parasite.

Orig Pub   :   Priroda, 1957, No 2, 93-94

Abstract   :   The chalcide Dahlbominus fuscipennis which develops in
               four hatchings in one year, is the most widely spread
               parasite on the eonymph of the pine saw fly Neodiprion
               sertifer. Among other parasites the most frequently found
               is the polyphagous parasite Dibrachus cavus. It is very
               non-discriminating in the choice of hosts and can be both
               the primary and the secondary parasite not only on the
               saw fly but even on the primary parasites of the hiberna-
               ting larvae of the pine silkworm ("rogas", "meteorus",
               sturmia). At the beginning of the season when there were
               few primary parasites mainly D. cavus it was the primary

Card 1/2

- 8 -

USSR / General and Special Zoology.   Insects.   Insects   P
and Arachnids. Biological Method of Controlling
Insects and Arachnids.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96597.

Author : Ryvkin, B. V.
Inst   : Not given.
Title   : Peculiarities of Mass Breeding of the Gypsy
Moth and Conditioning Factors.

Orig Pub: Zool. Zh., 1957, 36, No 9, 1355-1358.

Abstract: Outbreaks of mass breeding of the gypsy moth are
characterized by long duration. This pest fre-
quently forms migration habitats near the ini-
tial seats of its distribution. However, the
stability of the migration habitats of the gypsy
moth is largely explainable by the insufficient
ecological pliability of the parasite of its

Card 1/3

Parasites – Silkworms

Parasites of pine silkworms in eastern Polesye, Dokl. AN SSSR, 84, No. 4, 1952.

PALIY, V.F.; POMAZKOV, Yu.I.; KUZNETSOVA, Ye.; RYVKIN, B.V.; NAGAYBAKOV, A.A.

Local information. Zashch. rast. ot vred. i bol. 8 no.8:60-61
Ag '63.   (MIRA 16:10)

1. RYVKIN, B. V.

2. USSR (600)

4. Insects, Injurious and Beneficial-Biological Control

7. Importance of synchronism in the development of entomophaga and their hosts.
Dokl. AN SSSR 87 no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February   1953. Unclassified.

MAL'KEVICH, Anatoliy Vasil'yevich; RYVKIN, E.S., red.; TELYASHOV,
R.Kh., red.izd-va; GVIRTS, V.L., tekhn. red.

[Programmed operation of electric furnaces for the test-
ing of heat-resistant materials] Programmnaia rabota
elektricheskikh pechei pri ispytanii zharoprochnykh ma-
terialov. Leningrad, 1963. 18 p. (Leningradskii dom na-
uchno-tekhnicheskoi propagandy. Obmen peredovym opytom.
Seriia: Elektricheskie metody obrabotki materialov; metal-
lovedenie i termicheskaia obrabotka, no.4)   (MIRA 16:9)
       (Electric furnaces)   (Automatic control)

RYVKIN, G., inzh.-kapitan I ranga.

Disengaging ships that have run aground with use of a shock effect.
Mor. flot 17 no.12:17-20 D '57.   (MIRA 11:1)
(Ship handling)   (Shock waves)

RYVKIN, G.A., student IV kursa; ZHILYAYEV, I.V., student IV kursa

Effect of air currents on plumb line position in mine surveying.
Nauch.rab.stud. GNSO MGI no.5:87-93 '57.   (MIRA 11:11)
(Mine surveying)

36200

S/191/62/000/004/013/017
B110/B138

15.8090

AUTHORS: Goncharov, G. S., Levin. A. N., Ryvkin, G. A.

TITLE: Absorption method of drying formaldehyde

PERIODICAL: Plasticheskiye massy, no. 4, 1962, 50-52

TEXT: The selective water absorption of some organic solvents was used
to dry formaldehyde. Hydrocarbons with limited miscible with water
(benzene, toluene, carbon tetrachloride, etc.) have greater water absorption
at higher temperature. About 80°C is the optimum for toluene, owing to the
relatively low vapor pressure and high water solubility (~ 0.3 %). Monomer
formaldehyde was passed continuously through a Raschig ring-packed
absorption tower with carefully dried toluene as absorbent. No traces of
polymers appeared after 10 hrs. The thermal stability of the polymer
obtained is the criterion of the quality of drying. α-polyoxy methylene
was vaporized in the destructor (1, Fig. 2) at 180°C. The gas-vapor
mixture bubbles continuously through dried toluene at 80°C, and reaches the
reaction vessel (7) via 3, 4, 5, and 6 for polymerization. The reaction
medium was anhydrous toluene or gasoline. The initiator was 0.025 % (by
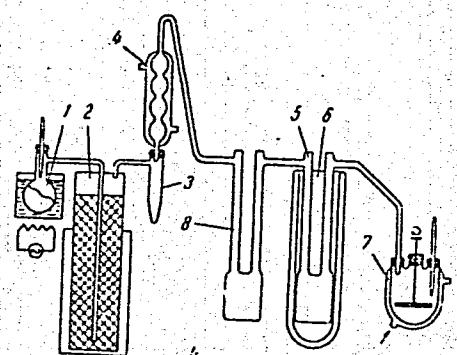
Card 1/2

Absorption method of drying...

S/191/62/000/004/013/017
B110/B138

weight of the reaction medium) calcium stearate. No polymer was separated in cooler and separator. The good thermal stability and homogeneity of the polyformaldehyde obtained show that the continuous method is to be recommended. There are 6 figures.

Fig. 2.
Diagram of system
for drying formaldehyde.

Legend: (1) destructor,
(2) absorption column,
(3) trap, (4) contra-flow
cooler, (5) cooler,
(6) Dewar flask,
(7) reaction vessel,
(8) demister.

Card 2/2

AUTHORS: Goncharov, G. S., Levin, A. N., Ryvkin, O. A.

TITLE: Catalytic effect of some substances on the thermal
                  degradation of α-polyoxymethylene

PERIODICAL: Plasticheskiye massy, no. 2, 1963, 62-65

TEXT: It was attempted to accelerate and improve the production of pure
formaldehyde by thermal degradation of α-polyoxymethylene. The effect of
P_2O_5, $(C_6H_5)_2NH$, and $CaCl_2$ on the rate of forming formaldehyde gas from
α-polyoxymethylene was measured at various temperatures. 0.5% P_2O_5 greatly
accelerated degradation. In its presence, degradation was a linear function
of time. With P_2O_5, the degradation temperature could be reduced from
180-200 to 140-150°C, thus preventing the formation of crust. Further, the
P_2O_5 dried the formaldehyde. Diphenyl amine and calcium chloride also
accelerated the degradation, partial polymerization of the formaldehyde
caused a deviation from linearity. There are 4 figures.

Card 1/1

BACHELIS, D.S.; GEL'MAN, R.Ye.; DUTKIN, G.S.; KULESHOV, Ya.G.;
NIKULIN, N.V.; RYVKIN, G.A.; SADKIN, P.I.; SMIRNOV, A.D.;
SOLOV'YEV, P.F.; KHALIZEV, G.P.; SMIRNOV, A.D., inzh., red.;
SOLOV'YEV, P.F., red.; BORUNOV, N.N., tekhn. red.

[Manual for electricians in two parts]Spravochnik elektrotekhnika
v dvukh tomakh. Pod obshchei red. A.D.Smirnova. Moskva, Gos-
energoizdat. Vol.1. 1962. 479 p.   (MIRA 15:5)
        (Electric engineering—Handbooks, manuals, etc.)

S/121/62/000/006/008/011
D040/D113

AUTHOR: Ryvkin, G.M.

TITLE: Utilizing cutting forces for securing cutting elements

PERIODICAL: Stanki i instrument, no. 6, 1962, 31-33

TEXT: The article deals with quick-change tools with loose exchangeable
cutting tips held in the tool shank by supporting shank body protrusions and
by the pressure exerted by the cutting forces in the cutting process. The
magnitude and orientation of the tangential and normal cutting force components
were studied in experiments with the use of the universal B. I. Mukhin dynamo-
meter of VNII and a precision milliammeter. The author analyzes the cutting
force components using the data of these and other Soviet experiments and of
one non-Soviet work (W.L. Kennicot, Mounting solid cemented-carbide cutting
blades mechanically, "Mechanical Engineering", v. 67, no. 4, 1945). The po-
sition of the supporting shank body elements ensuring the equilibrium of a
laid-in cutting tip is illustrated, and formulas are given for calculating the
permissible maximum protruding of a tip from the shank at different rake angles

Card 1/2

S/121/62/000/006/008/011

Utilizing cutting forces .....   ,   D040/D113

and distances between the tip-supporting thrust points. The use of additional
fastening devices is recommended in some cases. There are 7 figures.

Card 2/2

RYVKIN, G.M.; SAMOYLOV, B.I.

Cutting tools for automatic machining. Stan. i instr. 26 no.11:
18-23 N '55.   (Cutting tools)   (MIRA 9:2)

MAR'YANOVSKIY, I.M.; GORBACHEV, A.G.; RYVKIN, G.M.; RYABOY, A.Ya.;
KONAKOV, G.A.; GRIGOR'YEV, N.I.

Authors' abstracts of dissertations. Vest.mashinostr. 42
no.5:89 My '62.
(MIRA 15:5)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina
(for Mar'yanovskiy, Gorbachev). 2. Moskovskiy stankoinstrumental'-
nyy institut (for Ryvkin). 3. Krasnoyarskiy institut tsvetnykh
metallov imeni M.I.Kalinina (for Ryaboy). 4. Khar'kovskiy
politekhnicheskiy institut imeni A.A.Zhdanova (for Konakov).
5. Leningradskiy korablestroitel'nyy institut (for Grigor'yev).
(Bibliography—Mechanical engineering)

AL'TSHULLER, A.N.; RYVKIN, G.M.; CHILIKOV, V.T.

Automatic control of the dimensional adjustment and automatic
exchange of cutting tools in cutting internal screw threads.
Stan.i instr. 33 no.11:22-26 N '62.   (MIRA 15:11)
     (Screw cutting)   (Automatic control)

KRYLOV, P.I.; RYVKIN, G.M.

Repair of equipment. TSement 28 no.4:5-6 Jl-Ag '62. (MIRA 15:7)

1. "Rizhtsemremont" Latviyskogo soveta narodnogo khozyaystva.
    (Cement plants)   (Repairing)

RYVKIN, G.M.

Heavy-duty cutting-tool equipment for automatically controlled
machining. Stan.i instr. 32 no.2:1-11 F '61.   (MIRA 14:2)
                    (Metal-cutting tools)

RYVKIN, G.M.

New design of turning tools. Stan. 1 instr. 30 no.2:29-30 F '59.
(MIRA 12:3)

(Metal cutting tools)

RYVKIN, G.M.

Efficiency of using special cutting-tool equipment in automatic
machining. Stan.i instr. 31 no.10:6-9 O '60.   (MIRA 13:10)
(Metal-cutting tools)

RYVKIN, G.M.; SAMOYLOV, B.I.

Kinematic crushing of shavings in grinding. Stan.i instr. 24 no.12: 15-16 D '53.   (MLRA 7:1)

(Metal cutting)

RIVKIN, G. N., Engineer

Laboratory of Cutting of the Ural Automobile Plant
imeni Stalin (-1944-)

"Milling Precision Keyways." Stanki I Instrument
Vol. 15, No. 6, 1944

BR 52059019

PHASE I BOOK EXPLOITATION   SOV/5291

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhno-
logicheskikh protsessov v mashinostroyenii. 2d, Moscow, 1956

Avtomatizatsiya mashinostroitel'nykh protsessov. t. III: Obrabotka
rezaniyem i obshchiye voprosy avtomatizatsii (Automation of Ma-
chine-Building Processes. v. 3: Metal Cutting and General Auto-
mation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series:
Its: Trudy, t. 3) 4,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House:
V. A. Kotov; Tech. Ed.: I. F. Kuz'min.

PURPOSE: This collection of articles is intended for technical
personnel concerned with the automation of the machine industry.

COVERAGE: This is Volume III of the transactions of the Second
Conference on the Full Mechanization and Automation of Manufac-
turing Processes in the Machine Industry, held September 25-29,
1956. The transactions have been published in three volumes.
Volume I deals with the hot pressworking of metals, and volume
II, with the actuation and control of machines. The present
volume deals with the automation of metal machining and work-
hardening, and with general problems encountered in automa-
tion. The transactions on the automation of metal-machining
processes were published under the supervision of P. S. Dem'-
yanck and A. M. Karatygin, and those on the automation of work
hardening processes, under the supervision of E. A. Satel' and
M. O. Yakobson. No personalities are mentioned. There are no
references.

RYVKIN, G. M.

'7

PHASE I BOOK EXPLOITATION   SOV/5581

Moscow. Dom nauchno-tekhnicheskoy propagandy.

Vysokoproizvoditel'nyy rezhushchiy instrument [sbornik] (Highly
Productive Cutting Tools; Collection of Articles) Moscow,
Mashgiz, 1961. 354 p. Errata slip inserted. 10,000 copies
printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh
i nauchnykh znaniy RSFSR. Moskovskiy dom nauchno-tekhnicheskoy
propagandy imeni F. E. Dzerzhinskogo.

Ed. (Title page): N. S. Degtyarenko, Candidate of Technical
Sciences; Ed. of Publishing House: I. I. Lesnichenko; Tech.
Ed.: Z. I. Chernova; Managing Ed. for Literature on Cold
Treatment of Metals and Machine-Tool Making: V. V. Rzhavinskiy,
Engineer.

PURPOSE : This collection of articles is intended for technical
personnel of machine, instrument, and tool plants.

Card 1/6

'7

Highly Productive Cutting Tools (Cont.)   SOV/5581

COVERAGE: The collection contains information on the following:
new brands of high-speed steels and hard alloys; designs of
built-up tools and tools for the machining of holes; tools
for machining heat-resisting and light-metal alloys and plastics;
tools for unit-head machines and automatic production lines;
and methods for the sharpening and maintenance of carbide-
tipped tools. No personalities are mentioned. There are 56
references, mostly Soviet. References accompany some of the
articles.

TABLE OF CONTENTS:

Card 2/6

Highly Productive Cutting Tools (Cont.)   SOV/5581

Card 5/6

RYVKIN, G. M.

Cand Tech Sci - (diss) "Study of problems of designing and oper-
ation of instrumental panels in automatic production." Moscow,
1961. 15 pp; (Ministry of Higher and Secondary Specialist Educa-
tion RSFSR, Moscow Machine Tool-Instrument Inst imeni I. V. Stalin,
State Committee of the Council of Ministers USSR for Automation
and Machine-Building, All-Union Scientific Research Instrument
Inst "VNII"); 200 copies; price not given; list of author's
works on p 15 (10 entries); (KL, 10-61 sup, 218)

RYVKIN, G.M.

Utilization of cutting forces for the fastening of cutting
elements. Stan.i instr. 33 no.6:31-33 Je '62.   (MIRA 15:7)
                    (Metal-cutting tools)

RYVKIN, I.A., kand.med.nauk (Moskva)

Prehypertonic condition. Vrach.delo no.7:23-24 Jl '60.

(MIRA 13:7)

1. Kafedra terapii I (zaveduyushchiy - deystvitel'nyy chlen
AMN SSSR, prof. M.S. Vovsi [deceased] TSentral'nogo instituta
usovershenstvovaniya vrachey.

(HYPERTENSION)

Welding rectifier with elastive and ...

	VSU-300		VSU-500	
	Elastive	Falling	Elastive	Falling
Network voltage		220 /	380 v	
Rated welding current, amp	300	200	500	350
Operation time (%)	60	60	60	60
Rated work voltage, v	35	30	40	30
No-load voltage, v	53-65	65	52-68	68
Welding current range limits, amp....	50-330	25-240	90-550	50-350
Welding voltage range, V.......	17-35	-	20-40	-
Efficiency, %	68	63	70	66
No-load losses, w	600	500	900	700
Outer dimensions, mm	910 x 612 x 960		1186 x 593 x 1017	
Weight, kg	320		420	

The VSU rectifiers have aluminum windings, and their efficiency is higher
and the no-load losses lower than in analogous motor-generator units. There
are 10 figures, 3 tables and 4 Soviet references.

ASSOCIATION: VNIIESO

SUBMITTED: December 12, 1960

Card 2/5

RYVKIN, A.M.

Use of logic circuits in damage indicating networks for rectifiers.
Izv. NIIPT no.5:136-148 '60.   (MIRA 14:1)
              (Mercury-arc rectifiers)
        (Pulse techniques (Electronics))

RYVKIN, A.M., kand.tekhn.nauk; SAKOVICH, A.A., inzh.; SURUTINA, T.A., inzh.

Operation of the KNOA-110/1000 contactor at a low temperature.
Elektrotekhnika 36 no.1:18-20   Ja '65.   (MIRA 18:3)

BYKIN, A. A. kandidat tekhnicheskikh nauk.

Continuous measurement of the winding temperature of a generator rotor.
Elek.sta. 24 no.4:41-42 Ap '53.   (MLRA 6:5)
                                                        (Armatures)

RYVKIN, A.M., kandidat tekhnicheskikh nauk.

Selecting and calculating the parameters of a direct current measuring transformer. Elektrichestvo no. 9:26-28 S '54.
(MLRA 7:9)

1. Nauchno-issledovatel'skiy institut postoyannogo toka.
    (Electric transformers)

91. Direction of the potential and design of a.c. instrument transformers, A. M. Rivero. Elektrichestvo, 1954, No. 9, 26 p. in transmission.

The transformer considered is essentially a saturable reactor in which the average value of the a.c. passing through it is directly proportional to the measured d.c. The relation between the two currents is obtained by plotting the trajectory of the working point of the reactor through the set of curves of simultaneous d.c. and a.c. magnetization of the toroidal reactor cores. With certain permissible assumptions, this trajectory is an ellipse the position of which depends on the circuit characteristics and the equation of which is simply derived from the voltage balance of the circuit. This forms the basis of a graphical-analytical method given for determining the main parameters of the transformer. B. F. KRAUS

SOV/24-59-2-13/30

AUTHORS: Vakhrameyev, L. A., Ryvkin, A. M. (Moscow)

TITLE: The Calculation of Oscillation Components of the Ignition
Current in the Bridge Rectifier Valves (Raschet kolebat-
el'nykh sostavlyayushchikh toka ventilya pri zazhiganii v
mostovom preobrazovatele)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Energetika i avtomatika, 1959, Nr 2, pp 87-92 (USSR)

ABSTRACT: High frequency oscillations excited in the valves of the
bridge rectifier at the moment of ignition set an additional
load causing radio interference. This is illustrated in
Fig 1, where 1 represents the anode-cathode tension, 2
 represents the valve current, 3 – current and tension at
$L_1 = L_2 = 0.5$ μh and $L_3 = 13$ μh , 5 – current and
tension at $L_1 = L_2 = 0.5$ μh , $L_3 = 13$ μh , $C_3 = 3000$ PF,
6 – current and tension at $L_1 = L_2 = 0.5$ μh , $L_3 = 13$ μh,
$C_3 = 8000$ PF . These oscillograms were obtained from a sub-
station on the power line Kashira-Moscow. A simplified cir-
cuit of the bridge segments is shown in Fig 2, where a –
one segment of the bridge rectifier consisted of the valves
B1 and B2, b – the conversion of the above circuit: it

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The Calculation of Oscillation Components of the Ignition Current
in the Bridge Rectifier Valves

consists of 7 complete circuits, each becoming excited upon
closing of the knife switches B1 and B2 . In this case
the segments take the form of the set of circuits as shown
in B ; B3 – non–sparking valve, $L_1 L_2$ – anode reactors,
L_3 – phase reactor, L_4 – winding of the power transformer,
C_1, C_2 – capacity of isolated transformers, C_3 – total
capacity of transformer sleeve and lead, C_4 – capacity of
transformer neutral line, C_5, C_6, R_1, R_2 – conductivity
and resistance of the dividing circuits, C_1, R_3 – conduc-
tivity and resistance of phase damping. The most difficult
part of the calculation appears to be that of the conversion,
which is affected by operational terms of the free current of
a transitional character. The formula for the circuit 2b
type, consisting of n segments can be defined as Eqs(1-3).

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The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

As an example, the Eqs (2) and (3) for $n = 4$ can be written as Eqs (4) and (5). For the 4-segment circuit the multi-term $F_2(p)$ can be written as Eq (6) for $p = j\omega$ and $\omega^2 = x$. The coefficients $a_0, \ldots a_4$ correspond to those of Eq (5). Thus a series of functions (7) are obtained for $f_3(x) \neq 0$. The table on p 92 gives the frequencies of the components of a transitional character at the ignition of the valves. The columns 1-4 illustrate the effect on phase, columns 4 and 6 show the calculated amplitudes I_1, I_2, I_3, I_5 corresponding to the transitional frequencies f_1, f_2, f_4 for $L_1 = L_2 = 0.5$ μh ,

$L_3 = 13$ μh , $L_4 = 50$ μh , $C_1 = C_2 = 500$ PF ,

$C_4 = 3000$ PF, and for the tension 100 kV with an angle

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SOV/24-59-2-13/30

The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

of valve extinction 20° (Fig 2). Column 6 corresponds to the oscillation 5 , while column 7 corresponds to the oscillation 4 , Fig 1. There are 2 figures, 1 table and 1 Soviet reference.

SUBMITTED: August 9, 1958.

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SOV/105-59-5-22/29

8(3)

AUTHORS: Sonin, M. R., Engineer
Ryvkin, A. M., Candidate of Technical Sciences

TITLE: Project for the Direct-current Transmission Across the
English Channel (Proyekt peredachi postoyannogo toka cherez
Lamansh)

ABSTRACT: Mention is made of the communication in Elektrichestvo, 1957,
Nr 7, (Ref 3), and an abstract is given here on the basis of
the following papers in English: 1) Lidem, J., ASEAJ, 1958,
v 31, Nr 6, p 70; 2) Lamm, U., Direct Current, 1958, v 4,
Nr 1, p 1; 3) Forssell, H., Direct Current, 1955, v 2, Nr 5,
p 109 and Nr 7, p 166; 4) Uhlemann, E., Direct Current, 1953,
v 1, Nr 5, p 105. There are 3 figures, 1 table, and 5 ref-
erences, 1 of which is Soviet.

Card 1/1

RYVKIN, A.M.

AID P - 636

Subject   : USSR/Electricity

Card 1/1   Pub. 27 - 5/34

Author   : Ryvkin, A. M., Kand. of Tech. Sci.

Title   : Selection of characteristics and design of a D-C transformer

Periodical   : Elektrichestvo, 9, 26-28, S 1954

Abstract   : A method of calculation is presented and illustrated with
               4 graphs, 2 references, (1950, 1951).

Institution : Scientific Research Institute on D-C

Submitted   : Mr 26, 1954

SANKIN, D.I., kand. ekon. nauk; SEMINOY, S.I., kand. ekon. nauk;
BEREZNOY, N.I., kand. ekon. nauk; ZHDANOV, A.I., kand.
ekon. nauk; GORCHAKOV, A.A., inzh.; ZAKHAROV, V.V., inzh.;
YUNOVICH, I.M., inzh.; RYVKIN, A.S., inzh.; KOVRIGIN, V.V.,
ekonomist; DIDENKO, S.I., kand. ekon. nauk; SANDOMIRSKIY,
A.T., ekonomist; GONCHARENKO, B.L., kand. ekon. nauk; KOTOV,
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enterprise] Spravochnik ekonomista i planovika promyshlen-
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(MIRA 17:6)

RYVKIND, A.V. (Moskva)

Morphological substrate and pathogenesis of hemorrhage during
the separation of pleural adhesions. Eksp.khir. 4 no.2:56-
58 Mr-Ap '59.   (MIRA 12:5)
          (PNEUMONOLYSIS, compl.
                hemorrh., morphol. & pathogen. aspects (Rus))

LOBACHEVSKIY, Nikolay Ivanovich; BRONSHTEYN, I.N.; NORDEN, A.P., redaktor;
RYVKIN, A.Z., redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor

[Three works on geometry: Geometry. Geometrical studies on the
theory of parallel lines. Pangeometry] Tri sochineniia po geometrii:
Geometriia. Geometricheskie issledovaniia po teorii parallel'nykh
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V.F. Kogana. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 415 p.
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VYGODSKIY, Mark Yakovlevich; RYVKIN, A.Z., redaktor; SOSIN, B.G., redaktor
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Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 783 p. (MLRA 9:8)
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ALEKSANDROV, A.D., redaktor; KOLMOGOROV,A.N., akademik, redaktor; LAVRENT!YEV,
M.A., akademik, redaktor; BYVKIN, A.Z., redaktor izdatel'stva; POLI-
VAHOVA, Ye.B., tekhnicheskiy redaktor; ZELENKOVA, Ye.V., tekhnicheskiy
redaktor

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1. Akademiya nauk SSSR. Matematicheskiy institut. 2. Chlen-
korrespondent AN SSSR (for Aleksandrov)
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ANTONOV, Nikolay Petrovich; VYGODSKIY, Mark Yakovlevich; NIKITIN, Vladimir
     Vasil'yevich; SANKIN, Aleksandr Iosifovich; RYVKIN, A.Z.,redaktor;
     AKHLAMOV, S.N., tekhnicheskiy redaktor

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     home study] Sbornik zadach po elementarnoi matematike; posobie dlia
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tarnoe vvedenie v geometriiu Lobachevskogo. Moskva, Gos. izd-
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metic of natural numbers] Chislo i nauka o nem. Obshchedostupnye
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geometry] Izbrannye zadachi i teoremy elementarnoi matematiki. Chast'3.
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metriia, trigonometriia, funktsii i grafiki. Izd. 7-e. Moskva, Gos.
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[Course in mathematical analysis] Kurs matematicheskogo analiza.
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        (Combinations) (Probabilities)   (MLRA 8:8)

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Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 62 p.   (MLRA 9:4)
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POSTNIKOV,M.M.; PETROVSKIY,I.G., akademik, redaktor; NIKOL'SKIY,S.M.,
professor, redaktor; RYVKIN,A.Z., redaktor; GRAKOVA,Ye.D., tekhni-
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                    (Conformal mapping)

BOLTYANSKIY,V.G.,; PETROVSKIY,I.G., akademik, redaktor; NIKOL'SKIY,S.M.,
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[Homotopic theory of continuous mappings and vector fields.]
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RUMSHISKIY, Lev Zimonovich; RYVKIN, A.Z., red.

[The slide rule] Schetnaia lineika. Izd.2., perer. Mo-
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　　　geometry, trigonometry, functions, and graphs]Spravochnik po ele-
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10°] Piatiznachnye tablitsy trigonometricheskikh funktsii soder-
zhashchie natural'nye znacheniia shesti trigonometricheskikh funktsii
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[Handbook on higher mathematics] Spravochnik po vysshei matematike.
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BARI, Nina Karlovna; UL'YANOV,, P.L., red.; RIVKIN,A.Z., red.; BRUDNO,
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                    (Arithmetic--Problems, exercises, etc.)

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A.Z., red.; BRUDNO, K.F., tekhn.red.

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funktsii i deistviia nad nimi. Moskva, Gos.izd-vo fiziko-
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no.1).   (MIRA 13:4)
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foreign technical and scientific dictionaries to be published
during 1958] Tematicheskii plan vypuska fiziko-matematicheskoi
literatury i inostrannykh nauchno-tekhnicheskikh slovarei na
1958 god. Moskva, Gos.izd-vo tekhniko-teoret.lit-ry, 1957.
59 p.   (MIRA 13:3)

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govli.
    (Bibliography--Science)   (Bibliography--Technology)

VYGODSKIY, Mark Yakovlevich; RYVKIN, A.Z., red.; SOSIN, B.G., red.;
AKHLAMOV, S.N., tekhn.red.

[Handbook of higher mathematics] Spravochnik po vysshei
matematike. Izd.4., stereotipnoe. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1959. 783 p.   (MIRA 12:8)
        (Mathematics--Handbooks, manuals, etc.)

GEL'FAND, Izrail' Moiseyevich; SHILOV, Georgiy Yevgen'yevich; AGRANOVICH,
    M.S., red.; RYVKIN, A.Z., red.; BRUDNO, K.F., tekhn.red.

[Generalized functions and operations with them] Obobshchennye
funktsii i deistviia nad nimi. Moskva, Gos. izdvo fiz.-matem.
lit-ry, 1958. 439 p. (Obobshchennye funktsii, no. 1)   (MIRA 11:7)
                    (Mathematical analysis)

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ALEKSANDROV, P.S., redaktor; MARKUSHEVICH, A.I., redaktor; KHINCHIN, A.Ya.,
 redaktor; RYVKIN, A.Z., redaktor; MURASHOVA, N.Ya., tekhnicheskiy
 redaktor

[Encyclopedia of elementary mathematics] Entsiklopediia elementar-
noi matematiki. Pod red. P.S.Aleksandrova, A.I.Markushevicha i A.IA.
Khinchina. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry. Vol. 2.
Algebra. 1951. 424 p.   (MLRA 7:10)
      (Algebra)

RYVKIN, B., vrach

Role of regional sanitary epidemiological stations in the prevention
of agricultural accidents. Gig. i san. 21 no.4:55-56 Ap '56.

(MLRA 9:7)

(ACCIDENTS,
    farm accid., prev. in Russia (Rus))
(AGRICULTURE,
    farm accid., prev. in Russia (Rus))

RYVKIN, B.A.; RYVKINA, F.Z. (Leningrad)

Statistical recording of myocardial infarct. Terap. arkh. 35
no.5:100-101 My'63   (MIRA 16:12)

RYVKIN, B.H.

RYVKIN, B.A., sanitarnyy vrach

Hygienic conditions in machine-tractor station repair shops. Gig.
i san. 22 no.7:82-83 Jl '57.   (MIRA 10:10)

1. Iz Pskovskoy rayonnoy sanitarno-epidemiologicheskoy stantsii
        (AGRICULTURE,
                hyg. aspects of tractor shops (Rus))

ACC NR: AR6035549   SOURCE CODE: UR/0269/66/000/010/0059/0059

AUTHOR: Ryvkin, B. A.

TITLE: Influence of heliophysical factors on the level of myocardial infarction morbidity

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.426

REF SOURCE: Solnechnyye dannyye, no. 12, 1965 (1966), 63-65

TOPIC TAGS: solar flare, sun, solar activity, quiet sun, myocardial infarction

ABSTRACT: An analysis of 8368 cases of myocardial infarction in 1960—1963 in Leningrad has established that the mean daily incidence of the disease is higher in days of higher solar activity (according to W and S indices and chromospheric flares) than in days of the quiet Sun. The biotropic effect of solar activity is more manifest during geoeffective flares and during transitional and winter seasons. Changes in morbidity level in the 11-year cycle phase have not been detected. [Translation of abstract]   [DW]

SUB CODE: 03, 07/
Card 1/1   UDC: 523.7:525.235

ACC NR: AR6035550   SOURCE CODE: UR/0269/66/000/010/0059/0059

AUTHOR: Ryvkin, B. A.; Ryvkina, F. Z.

TITLE: Effect of solar and geomagnetic disturbances on the cellular composition and the blood prothrombin index

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.427

REF SOURCE: Solnechnyye dannyye, no. 1, 1966, 76-78

TOPIC TAGS: solar activity, solar disturbance, geomagnetic disturbance, cellular composition, blood prothrombin index

ABSTRACT: The observations were carried out in 1962—1964 during minimum solar activity. It was observed that even then, the nonperiodic increases of solar activity exert a considerable biotropic effect on the blood system. As solar activity increases, the number of people affected also increases. This is probably related to the "sensitivity thresholds" which vary with individuals. [Translation of abstract] [DW]

SUB CODE: 03, 07/

Card 1/1   '   :   UDC: 523.7:525.235

RYVKIN, B.A., vrach-epidemiolog.

Sanitary inspection of the machine-tractor station. Fel'd i akush.
22 no.6:31 June '57.   (MIRA 12:3)
        (PSKOV DISTRICT--MACHINE-TRACTOR STATIONS--HYGIENIC ASPECTS)

RYVKIN. B.A.

Permissible limits on the sulphur dioxide content in the air of
industrial locations. Vrach.delo no.9:985 S '59.   (MIRA 13:2)

1. Syas'stroyskaya bol'nitsa Leningradskoy oblasti.
                (SULFUR DIOXIDE--TOXICOLOGY)

RYVKIN, B.A.

Some errors in standard plans of tractor workshops. Gig. i san. 21
no.11:77-78 N '56.   (MLRA 10:2)

1. Iz Pavskoy rayonnoy sanitarno-epidemiologicheskoy stantsii
Pskovskoy oblasti.
          (INDUSTRIAL HYGIENE
               prev. of errors in planning of tractor work-shops)

RYVKIN, B.M.

Sanitary and hygienic working conditions and morbidity of machine
tractor station workers. Gig. i san. 23 no.6:70-71 Je '58
(MIRA 11:7)

1. Iz Mglinskoy bol'nitsy Pskovskogo rayona.
            (INDUSTRIAL HYGIENE
                working cond. & morbidity in tractor stations in
                Russia (Rus))

RYVKIN, B.O.

On the problem of sanitary and hygienic labor conditions for
school children during agricultural work. Gig.i san.   25 no.7:92
Jl '60.   (MIRA 14:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Bologoye.
            (AGRICULTURE--HYGIENIC ASPECTS)

RYVKIN, B.V.

Biology and economic importance of Trichogramma embryophagum (Htg.)
(Hymenoptera, Trichogrammatidae) [with summary in English]. Ent. oboz.
38 no.2:382-393   '59.   (MIRA 12:7)

1.Belorusskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva,
Gomel'.

                    (Chalcid Flies) (Parasites--Forest insects)

RYVKIN, B.V., kand. biol. nauk; PRISYAZHNYUK, A., red.; STEPANOVA, N., tekhn. red.

[Control of the principal forest pests] Bor'ba s glavneishimi vredi-teliami lesa. Izd.2, ispr. i dop. Minsk, Gos. izd-vo BSSR, 1954. 79 p.   (MIRA 11:7)

(Forest insects)

RYVKIN, B.V.

Specific features of gypsy moth outbreaks and factors furthering
them [with summary in English]. Zool.zhur. 36 no.9:1355-1358 S '57.
(MIRA 10:10)

1.Zoologicheskiy institut AN SSSR.
(Gypsy moth)

KHARITONOVICH, F.N., otv. red.; BEREZENKO, N.M., zam. otv. red.
MOISEYENKO, F.P., red.; ORLENKO, Ye.G., red.; OSTROGLAZOV,
V.A., red.; RYVKIN, B.V., red.; SAVCHENKO, A.I., red.;
SINITSKIY, V.P., red.; POBEDOV, V.S., red.; BARKAN, V.,
red.; ZUYKOVA, V., tekhn. red.

[Forestry science and practice]Lesovodstvennaia nauka i prak-
tika. Minsk, Sel'khozgiz BSSR, 1962. 246 p. (MIRA 16:1)
(White Russia--Forests and forestry)

KIVKIN, B.V., Doc Bio Sci--(diss) "Entomophages of the ~~~~~~~~~~~~

silkworms and saw flies in the forests of the European port of the USSR."

[Len] 1959. 34 pp (Zool Inst of the Acad Sci USSR. Scientific Council),

150 copies. List of author's works at end of text (16 titles) (KL, 21-59, 100)

— 25 —

Abs Jour : Ref Zhur - Biol., No 5, 1958, 21062

Author   : Ryvkin, B.V.

Inst   :

Title   : A Polyphagous Parasite.

Orig Pub : Priroda, 1957, No 2, 93-94

Abstract : The chalcide Dahlbominus fuscipennis which develops in
            four hatchings in one year, is the most widely spread
            parasite on the eonymph of the pine saw fly Neodiprion
            sertifer. Among other parasites the most frequently found
            is the polyphagous parasite Dibrachus cavus. It is very
            non-discriminating in the choice of hosts and can be both
            the primary and the secondary parasite not only on the
            saw fly but even on the primary parasites of the hiberna-
            ting larvae of the pine silkworm ("rogas", "meteorus",
            sturmia). At the beginning of the season when there were
            few primary parasites mainly D. cavus it was the primary

Card 1/2

- 8 -

USSR / General and Special Zoology.   Insects.   Insects   P
and Arachnids. Biological Method of Controlling
Insects and Arachnids.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96597.

Author : Ryvkin, B. V.
Inst   : Not given.
Title   : Peculiarities of Mass Breeding of the Gypsy
Moth and Conditioning Factors.

Orig Pub: Zool. Zh., 1957, 36, No 9, 1355-1358.

Abstract: Outbreaks of mass breeding of the gypsy moth are
characterized by long duration. This pest fre-
quently forms migration habitats near the ini-
tial seats of its distribution. However, the
stability of the migration habitats of the gypsy
moth is largely explainable by the insufficient
ecological pliability of the parasite of its

Card 1/3

Parasites - Silkworms

Parasites of pine silkworms in eastern Polesye, Dokl. AN SSSR, 84, No. 4, 1952.

PALIY, V.F.; POMAZKOV, Yu.I.; KUZNETSOVA, Ye.; RYVKIN, B.V.; NAGAYBAKOV, A.A.

Local information. Zashch. rast. ot vred. i bol. 8 no.8:60-61
Ag '63.   (MIRA 16:10)

1, RYVKIN, B. V.

2, USSR (600)

4. Insects, Injurious and Beneficial-Biological Control

7. Importance of synchronism in the development of entomophaga and their hosts.
Dokl. AN SSSR 87 no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February   1953. Unclassified.

MAL'KEVICH, Anatoliy Vasil'yevich; RYVKIN, E.S., red.; TELYASHOV,
R.Kh., red.izd-va; GVIRTS, V.L., tekhn. red.

[Programmed operation of electric furnaces for the test-
ing of heat-resistant materials] Programmnaia rabota
elektricheskikh pechei pri ispytanii zharoprochnykh ma-
terialov. Leningrad, 1963. 18 p. (Leningradskii dom na-
uchno-tekhnicheskoi propagandy. Obmen peredovym opytom.
Seriia: Elektricheskie metody obrabotki materialov; metal-
lovedenie i termicheskaia obrabotka, no.4)   (MIRA 16:9)
          (Electric furnaces)   (Automatic control)

RYVKIN, G., inzh.-kapitan I ranga.

Disengaging ships that have run aground with use of a shock effect.
Mor. flot 17 no.12:17-20 D '57.   (MIRA 11:1)
                    (Ship handling)   (Shock waves)

RYVKIN, G.A., student IV kursa; ZHILYAYEV, I.V., student IV kursa

Effect of air currents on plumb line position in mine surveying.
Nauch.rab.stud. GNSO MGI no.5:87-93 '57.   (MIRA 11:11)
(Mine surveying)

36200

S/191/62/000/004/013/017
B110/B138

15.8090

AUTHORS: Goncharov, G. S., Levin. A. N., Ryvkin, G. A.

TITLE: Absorption method of drying formaldehyde

PERIODICAL: Plasticheskiye massy, no. 4, 1962, 50-52

TEXT: The selective water absorption of some organic solvents was used to dry formaldehyde. Hydrocarbons with limited miscible with water (benzene, toluene, carbon tetrachloride, etc.) have greater water absorption at higher temperature. About 80°C is the optimum for toluene, owing to the relatively low vapor pressure and high water solubility (~ 0.3 %). Monomer formaldehyde was passed continuously through a Raschig ring-packed absorption tower with carefully dried toluene as absorbent. No traces of polymers appeared after 10 hrs. The thermal stability of the polymer obtained is the criterion of the quality of drying. α-polyoxy methylene was vaporized in the destructor (1, Fig. 2) at 180°C. The gas-vapor mixture bubbles continuously through dried toluene at 80°C, and reaches the reaction vessel (7) via 3, 4, 5, and 6 for polymerization. The reaction medium was anhydrous toluene or gasoline. The initiator was 0.025 % (by
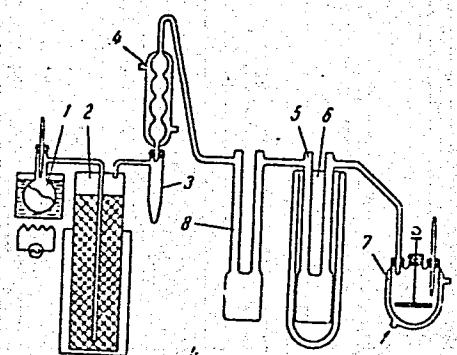
Card 1/2

Absorption method of drying...

S/191/62/000/004/013/017
B110/B138

weight of the reaction medium) calcium stearate. No polymer was separated
in cooler and separator. The good thermal stability and homogeneity of the
polyformaldehyde obtained show that the continuous method is to be
recommended. There are 6 figures.

Fig. 2.
Diagram of system
for drying formaldehyde.

Legend: (1) destructor,
(2) absorption column,
(3) trap, (4) contra-flow
cooler, (5) cooler,
(6) Dewar flask,
(7) reaction vessel,
(8) demister.

Card 2/2

S/191/63/000/002/015/019
B101/B186

AUTHORS: Goncharov, G. S., Levin, A. N., Ryvkin, O. A.

TITLE: Catalytic effect of some substances on the thermal
                 degradation of α-polyoxymethylene

PERIODICAL: Plasticheskiye massy, no. 2, 1963, 62-63

TEXT: It was attempted to accelerate and improve the production of pure
formaldehyde by thermal degradation of α-polyoxymethylene. The effect of
P_2O_5, $(C_6H_5)_2NH$, and $CaCl_2$ on the rate of forming formaldehyde gas from
α-polyoxymethylene was measured at various temperatures. 0.5% P_2O_5 greatly
accelerated degradation. In its presence, degradation was a linear function
of time. With P_2O_5, the degradation temperature could be reduced from
180-200 to 140-150°C, thus preventing the formation of crust. Further, the
P_2O_5 dried the formaldehyde. Diphenyl amine and calcium chloride also
accelerated the degradation, partial polymerization of the formaldehyde
caused a deviation from linearity. There are 4 figures.

Card 1/1

BACHELIS, D.S.; GEL'MAN, R.Ye.; DUTKIN, G.S.; KULESHOV, Ya.G.;
      NIKULIN, N.V.; RYVKIN, G.A.; SADKIN, P.I.; SMIRNOV, A.D.;
      SOLOV'YEV, P.F.; KHALIZEV, G.P.; SMIRNOV, A.D., inzh., red.;
      SOLOV'YEV, P.F., red.; BORUNOV, N.N., tekhn. red.

[Manual for electricians in two parts]Spravochnik elektrotekhnika
v dvukh tomakh. Pod obshchei red. A.D.Smirnova. Moskva, Gos-
energoizdat. Vol.1. 1962. 479 p.   (MIRA 15:5)
      (Electric engineering—Handbooks, manuals, etc.)

S/121/62/000/006/008/011
D040/D113

AUTHOR: Ryvkin, G.M.

TITLE: Utilizing cutting forces for securing cutting elements

PERIODICAL: Stanki i instrument, no. 6, 1962, 31-33

TEXT: The article deals with quick-change tools with loose exchangeable
cutting tips held in the tool shank by supporting shank body protrusions and
by the pressure exerted by the cutting forces in the cutting process. The
magnitude and orientation of the tangential and normal cutting force components
were studied in experiments with the use of the universal B. I. Mukhin dynamo-
meter of VNII and a precision milliammeter.. The author analyzes the cutting
force components using the data of these and other Soviet experiments and of
one non-Soviet work (W.L. Kennicot, Mounting solid cemented-carbide cutting
blades mechanically, "Mechanical Engineering", v. 67, no. 4, 1945). The po-
sition of the supporting shank body elements ensuring the equilibrium of a
laid-in cutting tip is illustrated, and formulas are given for calculating the
permissible maximum protruding of a tip from the shank at different rake angles

Card 1/2

S/121/62/000/006/008/011

Utilizing cutting forces D040/D113

and distances between the tip-supporting thrust points. The use of additional
fastening devices is recommended in some cases. There are 7 figures.

Card 2/2

RYVKIN, G.M.; SAMOYLOV, B.I.

Cutting tools for automatic machining. Stan. i instr. 26 no.11:
18-23 N '55.   (Cutting tools)

(MIRA 9:2)

MAR'YANOVSKIY, I.M.; GORBACHEV, A.G.; RYVKIN, G.M.; RYABOY, A.Ya.;
KONAKOV, G.A.; GRIGOR'YEV, N.I.

Authors' abstracts of dissertations. Vest.mashinostr. 42
no.5:89 My '62.   (MIRA 15:5)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina
(for Mar'yanovskiy, Gorbachev). 2. Moskovskiy stankoinstrumental'-
nyy institut (for Ryvkin). 3. Krasnoyarskiy institut tsvetnykh
metallov imeni M.I.Kalinina (for Ryaboy). 4. Khar'kovskiy
politekhnicheskiy institut imeni A.A.Zhdanova (for Konakov).
5. Leningradskiy korablestroitel'nyy institut (for Grigor'yev).
            (Bibliography—Mechanical engineering)

AL'TSHULLER, A.N.; RYVKIN, G.M.; CHILIKOV, V.T.

Automatic control of the dimensional adjustment and automatic
exchange of cutting tools in cutting internal screw threads.
Stan.i instr. 33 no.11:22-26 N '62.   (MIRA 15:11)
        (Screw cutting)   (Automatic control)

KRYLOV, P.I.; RYVKIN, G.M.

Repair of equipment. TSement 28 no.4:5-6 Jl-Ag '62. (MIRA 15:7)

1. "Rizhtsemremont" Latviyskogo soveta narodnogo khozyaystva.
    (Cement plants)   (Repairing)

RYVKIN, G.M.

Heavy-duty cutting-tool equipment for automatically controlled
machining. Stan.i instr. 32 no.2:1-11 F '61.   (MIRA 14:2)
            (Metal-cutting tools)

RYVKIN, G.M.

New design of turning tools. Stan. i instr. 30 no.2:29-30 F '59.

(MIRA 12:3)

(Metal cutting tools)

RYVKIN, G.M.

Efficiency of using special cutting-tool equipment in automatic machining. Stan.i instr. 31 no.10:6-9 O '60.   (MIRA 13:10)
(Metal-cutting tools)

RYVKIN, G.M.; SAMOYLOV, B.I.

Kinematic crushing of shavings in grinding. Stan.i instr. 24 no.12:
15-16 D '53.   (MLRA 7:1)
                                        (Metal cutting)

RIVKIN, G. N., Engineer

Laboratory of Cutting of the Ural Automobile Plant
imeni Stalin (-1944-)

"Milling Precision Keyways." Stanki I Instrument
Vol. 15, No. 6, 1944

BR 52059019

PHASE I BOOK EXPLOITATION   SOV/5291

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhno-
logicheskikh protsessov v mashinostroyenii. 2d, Moscow, 1956

Avtomatizatsiya mashinostroitel'nykh protsessov. t. III: Obrabotka
rezaniyem i obshchiye voprosy avtomatizatsii (Automation of Ma-
chine-Building Processes. v. 3: Metal Cutting and General Auto-
mation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series:
Its: Trudy, t. 3) 4,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House:
V. A. Kotov; Tech. Ed.: I. P. Kuz'min.

PURPOSE: This collection of articles is intended for technical
personnel concerned with the automation of the machine industry.

COVERAGE: This is Volume III of the transactions of the Second
Conference on the Full Mechanization and Automation of Manufac-
turing Processes in the Machine Industry, held September 25-29,
1956. The transactions have been published in three volumes.
Volume I deals with the hot pressworking of metals, and volume
II, with the actuation and control of machines. The present
volume deals with the automation of metal machining and work-
hardening, and with general problems encountered in automa-
tion. The transactions on the automation of metal-machining
processes were published under the supervision of P. S. Dem'-
yanck and A. M. Karatygin, and those on the automation of work
hardening processes, under the supervision of E. A. Satel' and
M. O. Yakobson. No personalities are mentioned. There are no
references.

Ershcher, Yu. B. On the Operation of the Tools in Automatic
Production Lines   32

Lyudmirskiy, D. O. Experience of the SKB-6 [Special Design
Office No. 6] in Designing and Mastering Automatic Produc-
tion-Line Operations   43

Yegorov, B. V. Automation of Universal Metal-Cutting Machines
for Mass Production   53

Neklyudov, G. I. Automatic Machining of Parts Used in
Watchmaking   62

Card 4/7

RYVKIN, G.M.

PHASE I BOOK EXPLOITATION   SOV/5581

Moscow. Dom nauchno-tekhnicheskoy propagandy.

Vysokoproizvoditel'nyy rezhushchiy instrument [sbornik] (Highly Productive Cutting Tools; Collection of Articles) Moscow, Mashgiz, 1961. 354 p. Errata slip inserted. 10,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR. Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F. E. Dzerzhinskogo.

Ed. (Title page): N. S. Degtyarenko, Candidate of Technical Sciences; Ed. of Publishing House: I. I. Lesnichenko; Tech. Ed.: Z. I. Chernova; Managing Ed. for Literature on Cold Treatment of Metals and Machine-Tool Making: V. V. Rzhavinskiy, Engineer.

PURPOSE : This collection of articles is intended for technical personnel of machine, instrument, and tool plants.

Card 1/6.

Highly Productive Cutting Tools (Cont.)   SOV/5581

COVERAGE: The collection contains information on the following:
new brands of high-speed steels and hard alloys; designs of
built-up tools and tools for the machining of holes; tools
for machining heat-resisting and light-metal alloys and plastics;
tools for unit-head machines and automatic production lines;
and methods for the sharpening and maintenance of carbide-
tipped tools. No personalities are mentioned. There are 56
references, mostly Soviet. References accompany some of the
articles.

TABLE OF CONTENTS:

Card 2/6

Highly Productive Cutting Tools (Cont.) SOV/5581

Card-5/6

RYVKIN, G. M.

Cand Tech Sci - (diss) "Study of problems of designing and oper-
ation of instrumental panels in automatic production." Moscow,
1961. 15 pp; (Ministry of Higher and Secondary Specialist Educa-
tion RSFSR, Moscow Machine Tool-Instrument Inst imeni I. V. Stalin,
State Committee of the Council of Ministers USSR for Automation
and Machine-Building, All-Union Scientific Research Instrument
Inst "VNII"); 200 copies; price not given; list of author's
works on p 15 (10 entries); (KL, 10-61 sup, 218)

RYVKIN, G.M.

Utilization of cutting forces for the fastening of cutting
elements. Stan.i instr. 33 no.6:31-33 Je '62.   (MIRA 15:7)
(Metal-cutting tools)

RYVKIN, I.A., kand.med.nauk (Moskva)

Prehypertonic condition. Vrach.delo no.7:23-24 Jl '60.

(MIRA 13:7)

1. Kafedra terapii I (zaveduyushchiy - deystvitel'nyy chlen
AMN SSSR, prof. M.S. Vovsi [deceased] TSentral'nogo instituta
usovershenstvovaniya vrachey.

(HYPERTENSION)