



15

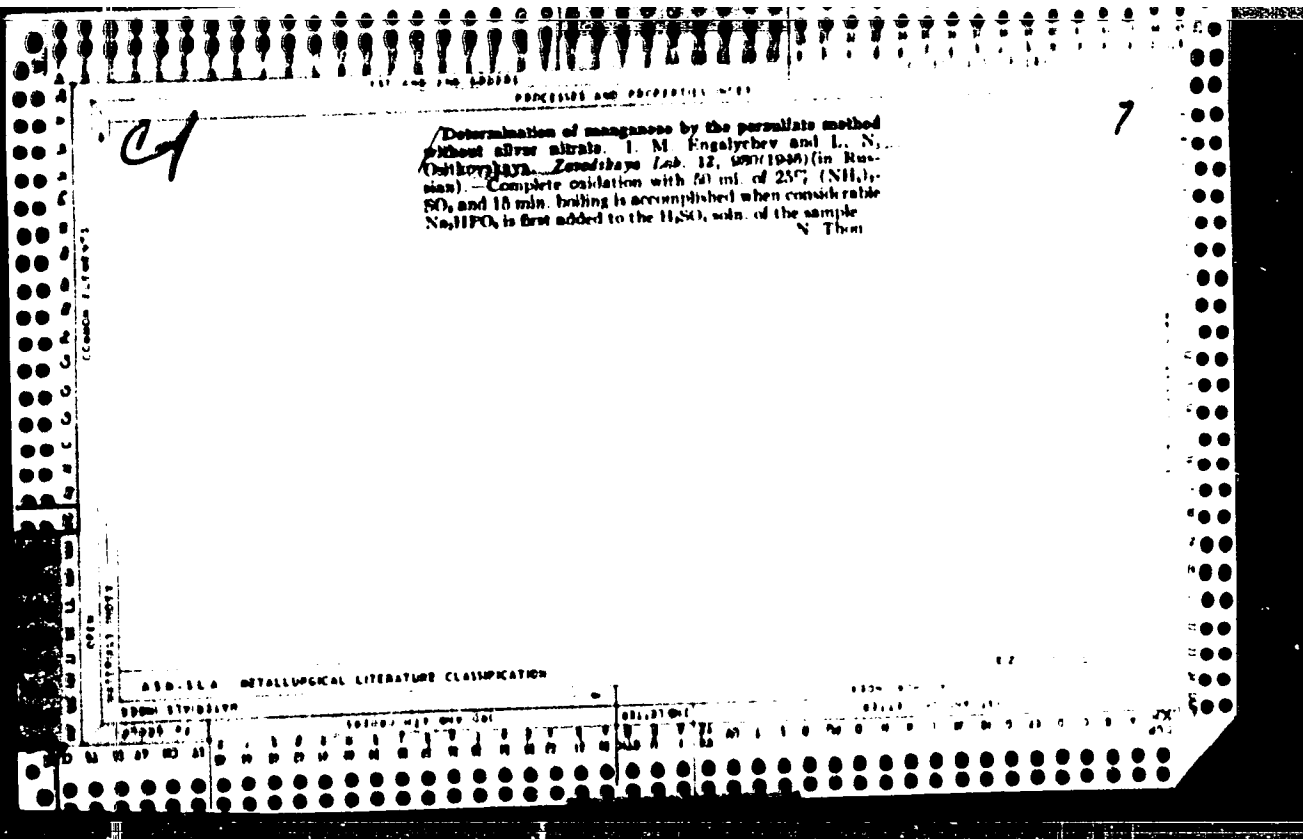
PROCESSING AND PROPERTIES INDEX

Determination of Manganese by the Peroxalpic Method Without the Use of Silver Nitrate. I. M. Yangelichev and L. N. Ostikovskaya. 2 pages. Henry Bratcher, Altadena, Calif. (Translation No. 2011.) From *Zavodskaya Laboratoriya* (Factory Laboratory), v. 12, no. 11-12, 1946, p. 980.

Describes volumetric method for Mn in iron, carbon and alloy steels, based on the use of peroxalpic acid and gives typical results obtained with this method.

METALLURGICAL LITERATURE CLASSIFICATION

62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00



OSIYEV, K.V.; USHAKOV, A.M.

Sewing machine attachment for welt cutting; Soviet Certificate of  
Inventions No.130971. Kosh.-obuv.prom. 4 no.8:42 Ag '62. (MIRA 15:8)

(Sewing machines--Technological innovations)

OSIYUK, P.F.

DECEASED  
c1961

1961/3

SEE ILC

BOTANY



OSAAJA

Microcrystallographic detection of ferrous ion with 2-nitro-1,3-indandione. M. Mackanina, V. Chupin, and G. Vagan (Bira. Med. Inst., ~~Leningrad~~ Leningrad Acad. Publ. 1954, No. 5 (Whole No. 82), 113-14 (in Russian).--2-Nitro-1,3-indandione (1) in dry form or in aq. soln. (6.5%) slowly formed characteristic dark-violet hexagonal platelets by reaction with  $Fe^{2+}$ . The limit of detection was 1.5  $\gamma$  per drop in diln. of 1:1000. Ag, Pb, Hg, and Cu ions slowly formed yellow ppts.;  $Co^{2+}$  formed orange ppts. Other cations either did not form ppts. or only at high cation concns. Andrew Dravnick

2



VORONOVA, N.A.; GINZBURG, Yu.N.; TOVAPOV, V.V.; TEACH, N.T.; Prinsipal:  
uchastiye: OSKALENKO, G.N.; KOKOTATEVA, V.P.; POD'YACHEVA, I.B.;  
NIKAMOROVA, N.A.

The problem of raising the quality of cylindrical grinding  
bodies. Trudy Giprotsement no.24:119-144 '62. (MIRA 16:4)  
(Milling machinery)

TOVAROV, V. V.; OSKALENKO, G. N.

Study of grinding in a centrifugal rotary mill. Trudy  
Giprotsement no. 26:75-94. (MIRA 17:5)

TOVAROV, V.V.; OSKALENKO, G.N.

Study of the way particles fly out from blade rotors of centrifugal grinding machines. Trudy Giprotsement no.24:64-91 '62.

(MIRA 16:4)

(Milling machinery)

TOVAROV, V. V., insh.; MIKOL'SKIY, Yu.N., insh.; OSKALENKO, G.N., insh.

Dynamic balancing of rotors. Stroi. i dor. mashinostr. 5 no.8:21-  
22 Ag '60. (MIRA 13:8)

(Balancing of machinery)

TOVAROV, V.V.; OSKALFNEO, G.N.

Study of the shock absorbing quality of cypots. Study  
Giprotsement no.27:145-163 '63. (MIRA 17:12)

MURIC, M.; OSKANJAN, Lj.

Pulmonary tuberculosis detected during the course of a systematic and fluorographic examination. Analysis of our cases. Tuberkuloza, Beogr. 12 no.2:231-239 '60.

1. I Gradno odeljenje Gradske bolnice, Beograd (nacelnik: prim. dr. M.Muric)

(TUBERCULOSIS PULMONARY diag)

OSKANJAN, V.

"Increase in light of the UV Ceti star. In French."

p. 19 (Bulletin. Sciences Mathematiques) Vol. 10, no. 2, 1956  
Belgrade, Yugoslavia

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

SLAVINSKIY, David Mikhaylovich; OSKANYAN, Mamikon Manukovich; MATVEYEV,  
Aleksandr Aleksandrovich; IVALITS, Konstantin Yakovlevich;  
LISHNEVSKIY, Mikhail Isakovich; KLEYMEHOVA, K.F., inzhener,  
vedushchiy redaktor; MUKHINA, E.A., tekhnicheskiy redaktor

[Pressure furnaces in oil refining] Topki pod davleniem v  
neftepererabotke. Moskva, Gos.nauchno-tekhn.isd-vo نفت. i  
gorno-toplivnoi lit-ry, 1957. 110 p. (MIRA 10:7)  
(Furnaces) (Petroleum--Refining)



ACC NR: AP7013724

SOURCE CODE: UR/0026/66/000/012/0022/0027

AUTHOR: Oskanyan, V. S.

ORG: Byurakan Astrophysical Observatory, AN ArmSSR (Byurakanskaya astrofizicheskaya observatoriya AN ArmSSR)

TITLE: Flare stars -- variables of the UV Cet type

SOURCE: Priroda, no. 12, 1966, 22-27

TOPIC TAGS: star, relativistic electron, UV spectrum, emission spectrum, cosmic radiation energy, solar flare

SUB CODE: 03

ABSTRACT: General information is given on the theory and observation of flare stars in general, but particular emphasis is on the nature of stars of the class UV Cet. With respect to the source of the energy of these flares it is speculated that the flare occurs as a result of the sharp penetration of some quantity of hot gases into the surface layers of a star where they cool slowly. On the other hand, it can be postulated that the flares are caused by relativistic electrons whose velocity is close to the speed of light and which as a result of circular motion in the magnetic field of a star or some spot on a star radiate in the short-wave region of the spectrum. However, the author feels that the continuous  
Cord 1/2

UDC: 523.84

0933 2201

ACC NR: AP7013724

emission spectrum in the UV and blue parts of the spectrum indicates that the energy of the flares is released as a result of some process still unknown. The author does tend to accept the hypothesis of Academician V. A. Ambartsumyan which suggests that the stars of stellar associations were formed in such groupings from initially superdense matter (protostars). Assuming that stars of the type UV Cet are very young, that is, in the process of formation, Ambartsumyan believes that in these stars there sometimes may be transformations of the remnants of protostellar matter within the interior of the star into normal matter. This results in the release of an enormous quantity of energy in the form of radiation with a continuous UV spectrum. Orig. art. has: 5 figures. [JPRS: 40,106]

Card 2/2

OSKARDOV, F.

MILK SUPPLY

More attention to exceeding the plan for milk supply. Mol. prom. 13 no. 6 (1952)

9. Monthly List of Russian Accessions, Library of Congress, September 195~~1~~<sup>2</sup>, Uncl.

SHIPITSIN, Yu.V., master; OSKAREV, V.V.

Use of propane-butane for welding. Zhel.-dor.transp. 45 no.12:31 1  
'63. (MIRA 17:.)

1. Lokomotivnoye depu Sverdlovsk-Sortirovochnyy (for Shipitsin).  
Instruktor po svarke lokomotivnoy sluzhby Sverdlovskoy dorogi (for  
Osikarev).

DRIBINSKIY, M.B., kand.med.nauk; OSKAREVA, T.A.

Case of successful treatment of aortic coarctation associated with patent ductus arteriosus. Khirurgia no.9:128-129 '62.

(MIRA 15:10)

1. Iz otdeleniya grudnoy khirurgii (zav. - kandidat meditsinskikh nauk M.B.Dribinskiy) Kaliningradskoy oblastnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR kandidat meditsinskikh, nauk V.V. Filippov).

(DUCTUS ARTERIOSUS) (AORTA—DISEASES)

12

09

Customized cake a good feed for dairy cattle. P. 116  
Kardos. *Unknown From 12* No. 111 2/1951. The  
use of cottonseed cake is advocated strongly for dairy cat-  
tle. The daily amt. is 2.5-3 kg. per head used in mixts. with  
other feeds. It should be stopped 2-3 weeks before calv.  
livery and resumed after a similar period. 2 kg. is the best  
amt. for pregnant cows. Gossypol destruction by steam-  
ing for about 2 hrs. or letting stand 24 hrs. with 2% lime  
water is advised after particulation. G. M. Koslarski.

OSKAREV, G

25785. Oskarev, G "Gosudarstvennaya i Leningradskaya Biblioteka. Vneshnyaya Svyaz", 1948, No. 6, p. 5-6  
30: Letopis' Zhurnal Svyazi, No. 3, Moscow, 1948

ОКРАТЪ, О.  
25785

Обзор Рынка Каса-Робов. Икономическа Търговия, 1948, No. 1, стр. 5-7

SO: LETOPIS NO. 30, 1948



OSKERA, Antonin, MUDr.

Inclusion of a dispensary method in an industrial plant.  
Cesk. sdravot. 4 no.3:164-165 Mar 56.

1. Zavodni ustav narodniho sdravi v Gottwaldove.  
(INDUSTRIAL HYGIENE,  
in Czech., dispensary serv. (Cs))

OSKERKO, A. A.

---

USSR/Electricity - Faults, Location of      Jul 51  
Pulse Method

"Determination of the Fault Point on Electrical  
Transmission Lines With the Help of Pulse Line Me-  
ters," A. A. Oskerko, Engr

"Rabochiy Energetik" No 7, pp 16-20

The pulse meter IL-1, designed by the Cen Sci Res  
Lab, Min of Elec Power Stations, has an accuracy of  
1-2% in locating faults on transmission lines. Sev-  
enteen of these instruments are now in use in the  
high-voltage network of Mosenergo. In 1950, 18  
faults were located by means of pulse line meters.

206T50

GSHENK, A. I.

Electric Motors

operation of small electric motors.

Inch.

Monthly List of Russian Publications, 1947  
of the press, April 1947.

OSKERKO A. [F]

10

Hydrazides A. Oskerkko *Mem Inst Chem Uppsala Univ* No 2, 66 (1931) (German 77) (1931). The hydrazides of oleic acid (I), m. 105-6° (HCl salt, m. 110-12°), erucic acid (II), m. 77-8° (HCl salt, m. 120-1°), and undecenoic acid (III), m. 84-6° (HCl salt, m. 125-30°), are obtained by boiling the *Me* esters of the appropriate acids with  $N_2H_4 \cdot H_2O$ . Azides of unsaturated fatty acids (I, II, III) (German 91) (1931). The azides of I, II and III, prep'd from the above HCl salts and aq.  $NaN_3$ , or from the acid chlorides and  $NaN_3$  in  $Me_2CO$ , are oils, readily decompd. at room temp. to yield carbimides; when heated with  $KOH$  they yield resp. the azides of I, m. 42-3°, of II, m. 47-8° and of III, m. 53-4°. Hydrazides and azides of naphthenic acids. *Ibid.* 200 (1931) (German 92) (1931). The hydrazide, m. 28-9° (HCl salt, m. 167-9°), and azide IV, an oil, of decahydronaphthoic acid V have been prep'd by the above methods. IV decomps. at room temp. to yield the carbimide, b. 101-6°, of V, the azide, b. 84-6°, of which is obtained by boiling with  $KOH$ . Gausevic or aq.  $NH_3$  converts IV into the amide of V. H. C. A.

450 554 METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND PROPERTIES INDEX

137 AND 138 COPIES

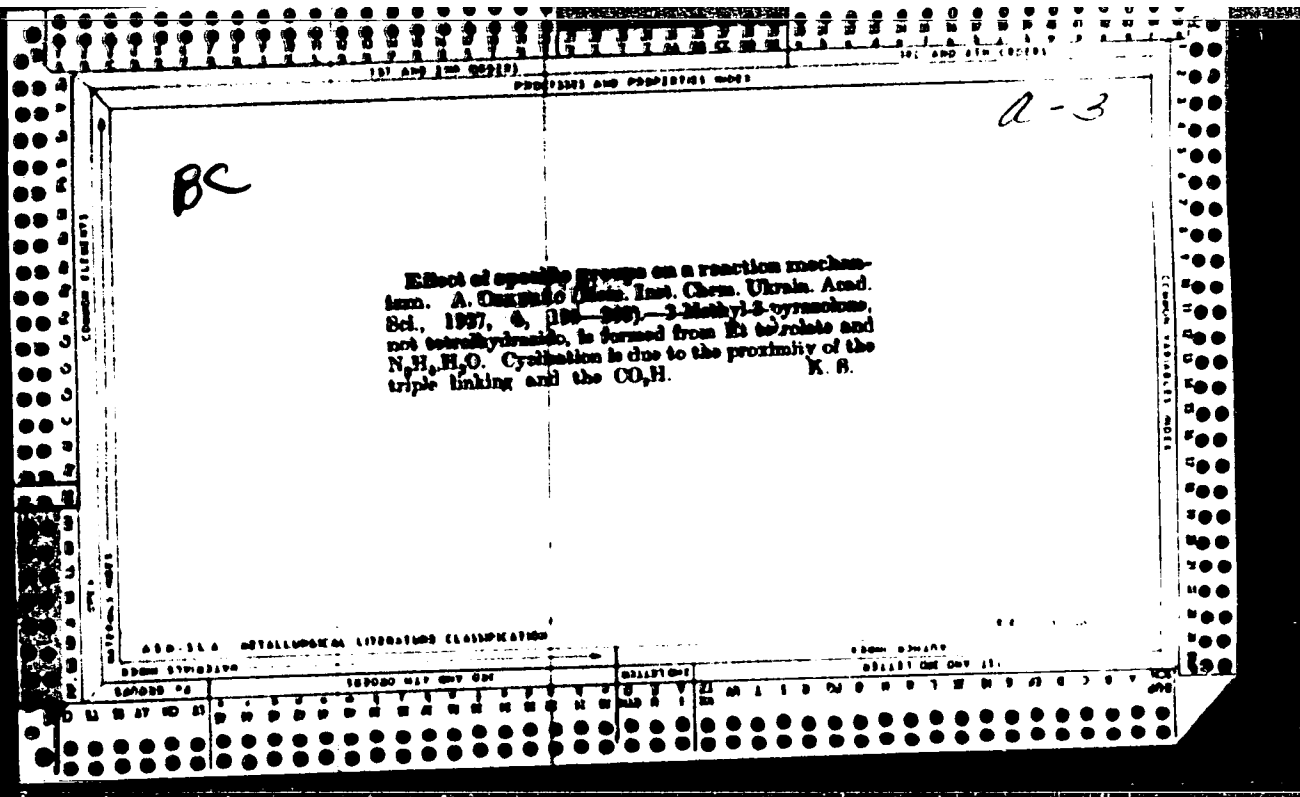
BC

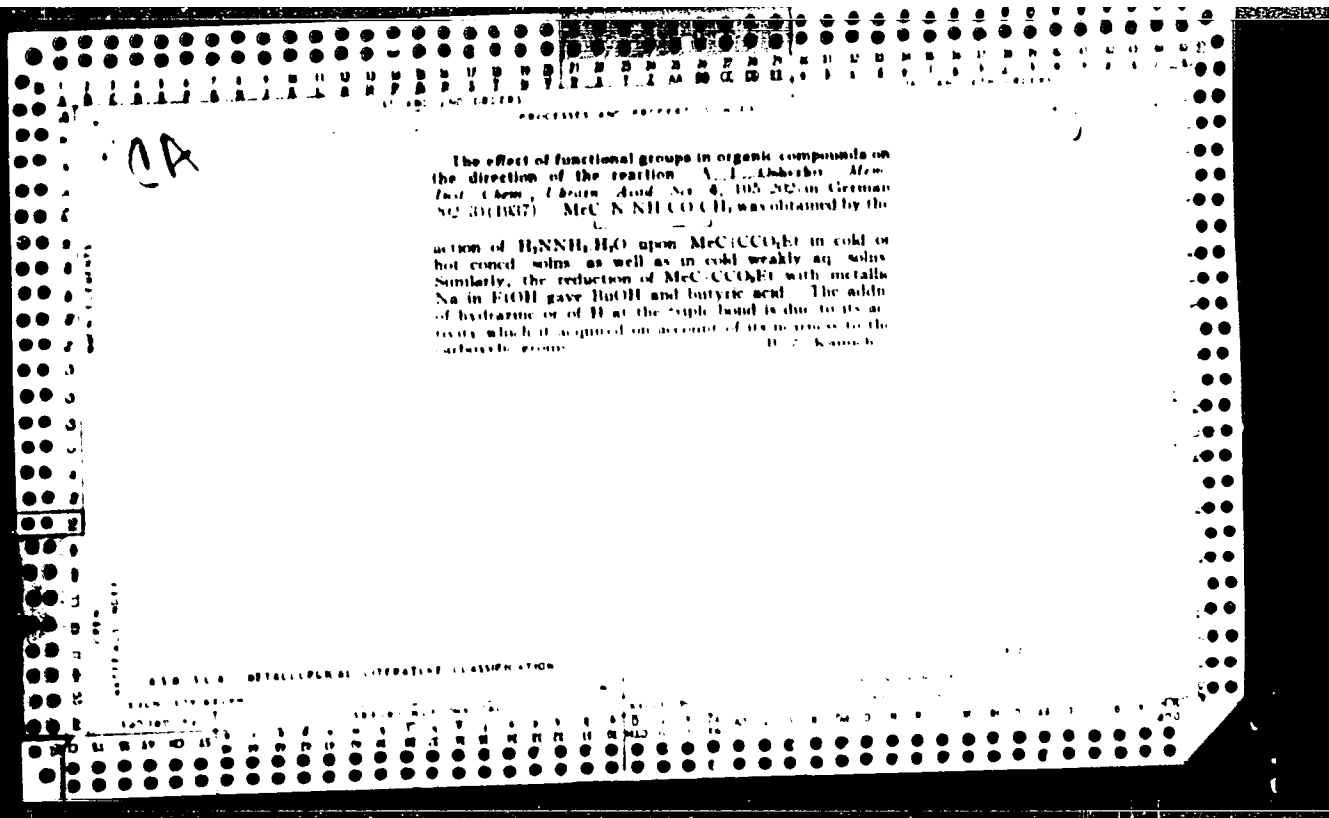
K-3

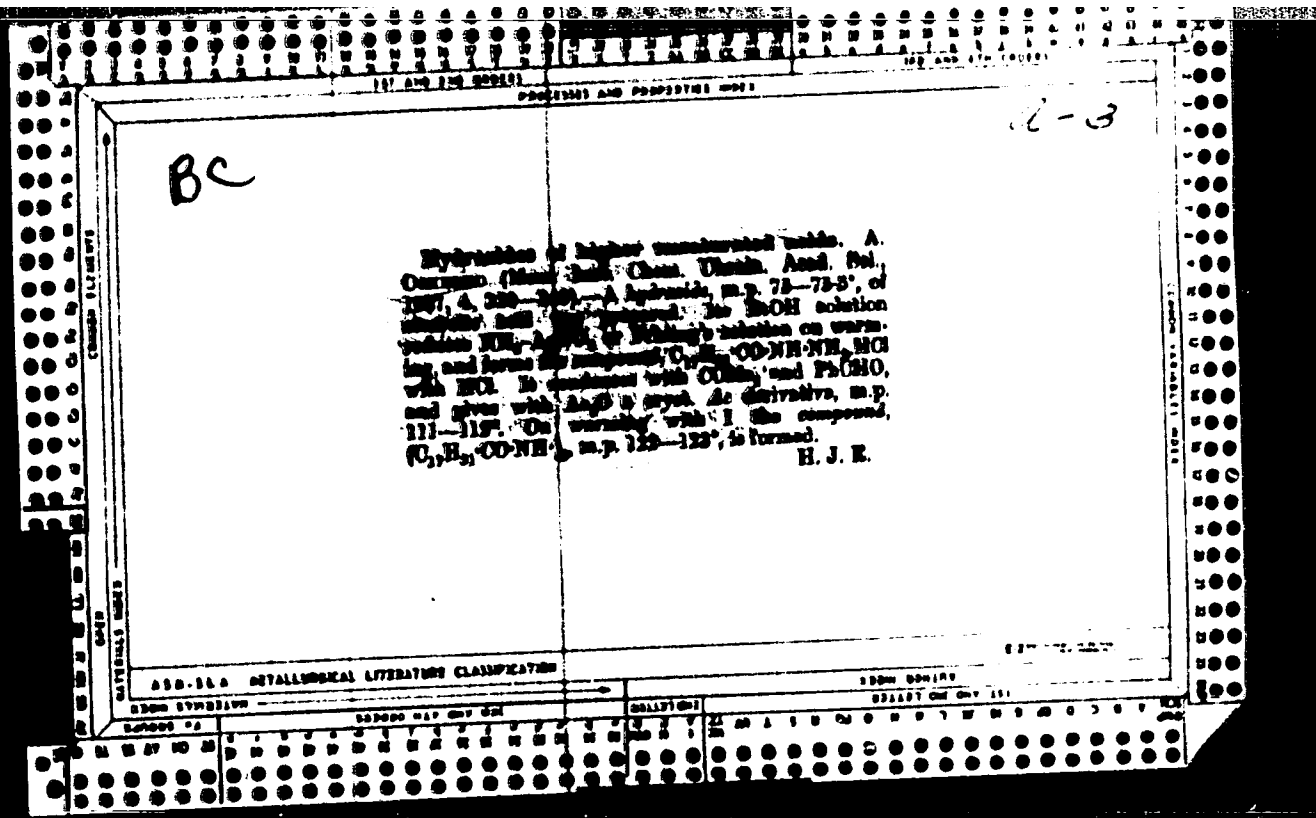
Hydrates of higher unsaturated acids.  
 II. Hydrates of dehydroandroic acid, and  
 its derivatives. A. F. OZERKO (Mem. Inst. Chem.  
 Ukrain. Acad. Sci., 1936, 3, 577-586).—*E* dehydro-  
 androic acid, b.p. 115-130°/3 mm., and boiling  
 N<sub>2</sub>, H<sub>2</sub>O yield dehydroandroic anhydride, m.p. 84-  
 85° (hydrochloride, m.p. 134.5°; compound with  
 UO<sub>2</sub>H<sub>2</sub>, m.p. 75-77°; Ar derivative, m.p. 115-  
 116°), converted by I in aq. KOH into *o*-dehydro-  
 androic anhydride, m.p. 131-132°. R. T.

METALLURGICAL LITERATURE CLASSIFICATION

137000	138000	139000	140000	141000	142000	143000	144000	145000	146000	147000	148000	149000	150000
A	B	C	D	E	F	G	H	I	J	K	L	M	N









SOV/126-6-1-28/77

AUTHORS: Kritskaya, V. K., Nodia, N. M. and Osip'yan, Yu. A.  
 TITLE: On the Bonding Forces in Martensite Crystals (E voyzrast  
 o silakh svyazi v kristallakh martensita)  
 PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol. 1, No. 1  
 pp 177-181 (USSR)

ABSTRACT: It was shown in Refs. 1-4 that the introduction of carbon  
 into  $\alpha$ -iron leads to a change in the bonding forces.  
 In the present paper the bonding forces in the  
 martensite crystals are investigated by measuring  
 Young's modulus under different conditions. Young's  
 modulus is determined by measuring the resonance  
 frequency of elastic longitudinal vibrations of specimens  
 in the form of rods. The modulus was calculated from the  
 following formula

$$E = \frac{4F^2 l^2 \rho}{981 \cdot 10^{+5}} \text{ (kg/mm}^2\text{)}$$

(F = natural frequency of longitudinal vibrations,  
 l = length of the rod and  $\rho$  density). The vibrations  
 were produced by an LIG-40 sonic generator. Experiments  
 have shown that changes in Young's modulus of martensite

Card 1/2

On the Bonding Forces in Martensite Crystals

as the carbon content increases are in the ...  
as the changes in the characteristic temperature ...  
case of 0.1% carbon content Young's modulus does not  
change compared with the modulus for pure iron. At  
higher temperature it decreases. The results are  
summarised in figures and a table.  
There are 5 figures, 1 table and 5 references  
which are Soviet.

ASSOCIATION: Institut metallovedeniya i fiziki metalliv TsNIICM  
(Institute of Metallography and Physics of Metal  
TsNIICM)

SUBMITTED: October 29, 1954.

Card 2/2

1. Martensite crystals--Bonding    2. Martensite crystals--  
Vibration    3. Carbon--Metallurgical effects    4. Metallurgical  
Applications

SOV 137-52-1-948

Translation from: Referativnyy zhurnal: Metallurgiya, 1959, Nr. 5, p. 129 USSR

AUTHORS: Il'ina, V. A., Kritskaya, V. K., Kurdyumov, G. V., Osipyan, Ya. A.  
Stelletskaia, T. I.

TITLE: Study of the Dependence of the Bonding Forces on the State of  
Crystals of Metals and Solid Solutions (Izucheniye zavisimosti s  
svyazi ot sostoyaniya kristallov metallov i tverdykh rastvorov)

PERIODICAL: Sb. tr. In-t metallov. i fiz. metallov Tsentr. nauch.-issled.  
chernoy metallurgii, 1958, Vol. 5, pp. 462-484

ABSTRACT: Ref. RzhMet, 1958, Nr. 5, abstract 10396

Card 1/1

24(2)

SOV/53-67-4-3,7

AUTHORS:

Nadgornyy, E. M., Osip'yan, Yu. A., Perkas, M. D., Rorenberg, V. M.

TITLE:

Thread-shaped Crystals With a Strength That Is Near Theoretical Strength (Nitevidnyye kristally s prochnost'yu, blizkoy k teoreticheskoy)

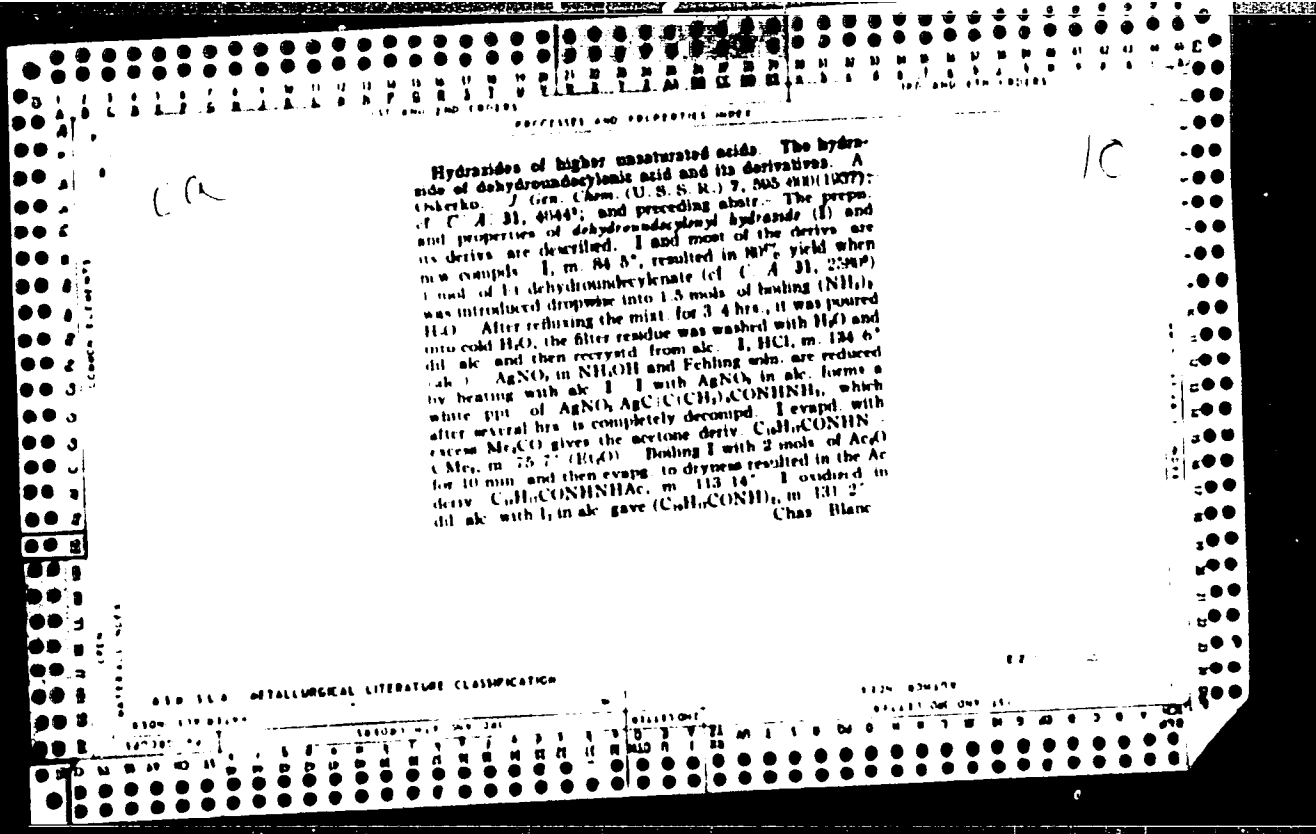
PERIODICAL:

Uspekhi fizicheskikh nauk, 1959, Vol 67, Nr 4, pp 125-172 (USSR)

ABSTRACT:

The present paper gives a survey of results obtained (especially by papers published in Western periodicals) concerning the properties and the growth of the so-called "whiskers", i.e. thread-shaped crystals, which, as regards order of magnitude, are  $10^2$  times as long as thick. The strength of these crystals surpasses that of ordinary crystals of the same substance by 10 to 100 times their amount and attains values that are near those calculated on the basis of the forces of interatomic interaction. Special interest is further caused by investigations of electric resistance (especially at low temperatures), of the domain structure of the ferromagnetic crystals, as well as of photoelectric and optical quantities. The present paper presents a clear survey of what

Card 1/3

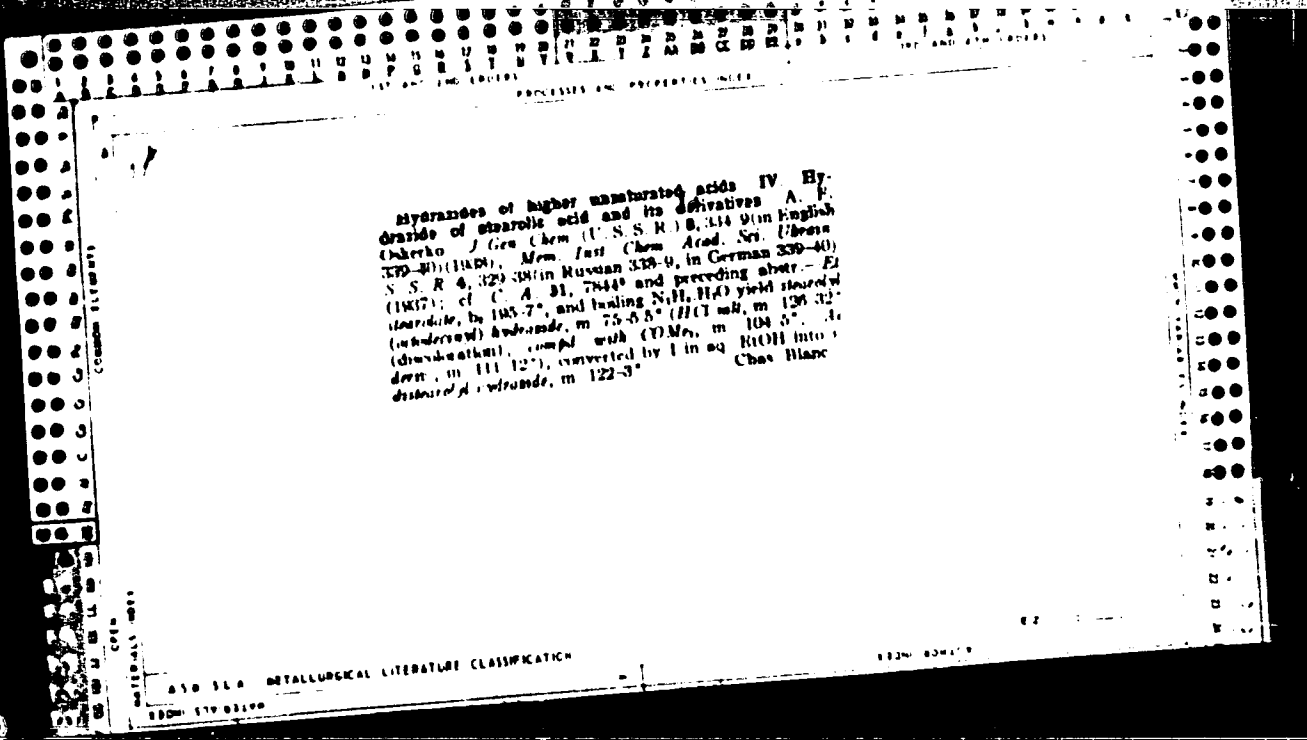




OSKERKO, A.

"To the question of the reciprocal influence of functional groups in organic compounds on the direction of the reaction. Action of hydrazine-hydrate upon tetrol-ethyl-ester."  
Oskerko, A. (p. 333)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1938, Volume 8, No. 4





OSKERKO, A.

"Hydrazides of highest unsaturated acids. Communication IV." Oskerko, A. (p. 329)

30: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1938, Volume 8, No. 4

PROCESSES AND PROPERTIES INDEX

Structure of uretropine A. F. Okertho *Farmaz. Zhurn.* 1938, No. 1, 35-6, *Aktem. Referat. Zhurn.* 2, No. 1, 46-47 (1939). On the basis of x-ray data the following ring structure for hexamethyltetraamine is most probable:

$$\begin{array}{c} \text{N} \quad \text{CH}_3 \quad \text{N} \\ \diagdown \quad | \quad / \\ \text{CH}_2 - \text{N} - \text{H}_2\text{C} \\ | \\ \text{CH}_3 \\ / \quad | \quad \backslash \\ \text{H}_2\text{C} \quad \text{N} \quad \text{CH}_3 \end{array}$$

W. R. Hunt

ASTM 15.8 METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND PREPARATION

d-3

BC

**Synthesis of acids-derivatives of acetylenic hydrocarbons. Synthesis of  $\text{CH}_2(\text{CH}_2)_n\text{CH}_2\text{N}_2$ . A. P. Oshin, (Dokl. Akad. Nauk SSSR, 1954, 3, 415-416).—The reduction of  $\text{CH}_2(\text{CH}_2)_n\text{CO}_2\text{Me}$  by  $\text{Me}$  in anhyd.  $\text{MeOH}$ ,  $\text{EtOH}$ , or  $\text{PrOH}$  gives  $\Delta^1$ -unsaturated- $\alpha$ -ol, m.p.  $>4^\circ$ , b.p.  $108-109^\circ/2$  mm. (phosphorane, m.p.  $51^\circ$ ; oxalate, b.p.  $174-175^\circ/2$  mm.), which adds  $\text{Br}_2$  and is converted by  $\text{AgNO}_3$  into the salt,  $\text{AgNO}_2 \cdot \text{C}_{11}\text{H}_{19}\text{OAg}$ , and by  $\text{PBr}_3$  to  $\alpha$ -bromo- $\Delta^1$ -unsaturated (I), b.p.  $98-99^\circ/2$  mm. Interaction of (I) and  $\text{NaN}_3$  in eq.  $\text{COMe}_2$  yields  $\alpha$ -azido- $\Delta^1$ -unsaturated, a liquid, which adds  $\text{Br}_2$  evolves with conc.  $\text{H}_2\text{SO}_4$  3 atoms of  $\text{N}$ , and is converted by  $\text{AgNO}_3$  into the compound,  $\text{AgNO}_2 \cdot \text{C}_{11}\text{H}_{19}\text{N}_3\text{Ag}$ .**

J. J. E.

MED. 55.6 METALLURGICAL LITERATURE CLASSIFICATION  
 FROM SYMBOLS  
 557000 5  
 557000 517 007 001  
 557000 517 007 001

L 5374-66

ACC NR: AP5024581

SOURCE CODE: UR/0292/65/000/009/0035/0036

AUTHOR: Kraytsberg, M. I. (Candidate of technical sciences); Oskerko, B. F. (Engr.);  
Suslov, O. N. (Engr.); Kaganovskiy, S. A. (Engr.)

ORG; none

10  
23

TITLE: Electric-power generator with reciprocating motion

SOURCE: Elektrotehnika, no. 9, 1965, 35-36

TOPIC TAGS: electric power generator, reciprocating generator

ABSTRACT: The principle of operation of the electric-power generator with a reciprocating motion is explained. Some experimental data obtained from a 500-w laboratory model of a variable-reluctance generator are reported. These findings are offered: (1) Unlike in the conventional a-c generators, the emf and maximum output power in a variable-reluctance reciprocal generator increase up to an optimal point and then fall off with the increasing excitation current; (2) There is an optimal value of the height of the moving core which corresponds to a maximum output power; (3) The generator capacity is proportional to the fill factor of the moving core; (4) With the fill factor exceeding a certain value, the relation

Card 1/2

UDC: 621.313.12

0701 1160

L 5374-66

ACC NR: AP5024581

between the position of the moving core and the resulting flux becomes nonlinear which causes considerable ripple in the excitation current; (5) At 33 cps, the required amount of active materials is high; hence, generators designed for 75-100 cps deem desirable. Orig. art. has: 4 figures, 3 formulas, and 1 table.

SUB CODE: EE/ SUEM DATE: 00/ ORIG REF: 000/ OTH REF: 000

OC  
Card 2/2

AUTHORS: Tolmach, I.M. and Oskerko, B.F., Engineers

110-58-5-25/27

TITLE: Disadvantages of the "two-winding" Method of Starting Synchronous Motors (O nedostatkakh puska sinkhronnykh elektrodvigateley pri vklyuchenii odnoy iz dviukh parallel'nykh vetvey)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Vol 29, Nr 5, p 80 (USSR)

ABSTRACT: This note discusses a letter by Engineer Ya.I. Dodin and Professor A.Ya. Berger, published in Vestnik Elektropromyshlennosti, 1957, Nr 12, which recommended the "part-winding" method of starting synchronous motors, connecting one of two parallel winding paths before the other. Several objections are raised to this procedure. Investigations made by the works in 1954-1955 showed that there were a number of accidents to motors started in this way, including mine-winding equipment, although the windings were secured in just the same way as for direct-on-line starting. The trouble is not, as Berger thinks, due to weak fixing of the end-windings, but is a characteristic feature of the method of starting, which the Khar'kov Electromechanical Works no longer uses

ASSOCIATION. KhEMZ

Card 1/1

USCOMM-DC-60586

TOLMACH, I.M., inzh.; OSIKERKO, B.P., inzh.

Shortcomings in the starting of synchronous motors during the connection of one of the two parallel branches. Vest. elektroprom. 29 no. 5:80 My '58. (MIRA 11:7)

1. Khar'kovskiy elektromekhanicheskiy zavod.  
(Electric motors, Synchronous)

066/60/000/001/003/000  
E071/E433

AUTHORS: Oshurkova, L.S., Kulakov, A.V. and Mykol'nikov, I.A.

TITLE: Production of High-Grade Heavy Pyridine Bases

PERIODICAL: Koks i khimiya, 1960, No.1, pp.42-43

TEXT: The development of the process of extraction of heavy pyridine bases from creosote and naphthalene oils on the Kuznetsk Works is outlined. The extraction of bases is done with a 20% sulphuric acid. It was found that the maximum amount of bases is extracted and the process is not accompanied by the formation of acid tar if the coefficient of excess of acid during the washing of the creosote fraction is 1.1 and on washing of naphthalene oil 1.7 to 1.8. Under these conditions, the content of free acids in the pyridine sulphate decreased from 6 to 2.8%. In order to produce pyridine bases conforming to OCT7922-56 (GOST 7922-56) (Grade A) a two stage method of decomposition was adopted:  
a) preliminary decomposition consuming 30 to 40% of alkali, in which the removal of impurities naphthalene and oil takes place and  
b) final decomposition - yielding high quality pyridine bases.  
A careful settling of pyridine bases of the first decomposition stage before their separation from the purified sulphate and the  
Card 1/2



OSIECIMSKI, Roman, mgr inz.

Characteristics of the eroding phenomena in the Swinemuende-Stettin  
fairway. Tech gosp morska 10 no.9:278-281 S '60. (EEAI 10:3)  
(Poland--Harbors)

*OSKIERKA, I*

● POLAND/Cultivated Plants - Potatoes, Vegetables, Melons,

M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10778

Author : Malinowski, E., Bankowska, H., Oskierka, I.

Inst : -

Title : Experiments with Potato Grafting. III. Grafting  
Solanum Rybinii on Tomato.

Orig Pub : Asta Agrobot., 1956 (1957), 5, 33-42

Abstract : An attempt was made through grafting to induce blossoming in varieties which ordinarily blossom only slightly or not at all. The cultivated tomato and the wild variant Lycopersicon esculentum (L.e.) were grafted in the following ways: 1) on the tomato rootstock without any auxiliary shoots, 2) with one or two young auxiliary shoots, 3) with several blossoming auxiliary shoots. The greatest number of blossoms appeared both on the tomato and on L.e. in the first variant. With self-pollination one berry appeared only in the first variant.

Card 1/2

POLAND/Cultivated Plants - Potatoes, Vegetables, Melons.

M-3

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001238

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10778

In order to study the formation of air tubers and stolons, tuber shoots of potato were grafted onto the main stem of a Golden Jubilee tomato from which all auxiliary shoots had been removed. The tomato stem was cut off above the second leaf, and the potato shoot was attached there, using a forked graft. Part of the plants received supplementary P<sub>3</sub> fertilization (variant No 4), and part were grown under conditions of a ten-hour day (variant No 5). The plants in variant No 5 hardly formed any blossoms, but air tubers did form on their stems. The greatest amount of blossoming occurred in the No 4 variant, the stalks seeming to form new, independent plants, upon whose base there appeared a large number of air stolons. The new shoots had large, dark-colored leaves, and tubers appeared on some of the stolons.

Card 2/2

*Oskierka, I.*

POLAND/Cultivated Plants - Potatoes, Vegetables, Melons.

M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10779

Author : Malinowski E., Bankowska H., Oskierka I.

Inst : -

Title : Experiments with Potato Grafting. IV. Grafting  
Solanum Commersonii on Tomato.

Orig Pub : Acta. agrobot, 1956, (1957), 5, 43-54

Abstract : *Solanum commersonii* (S.C.) blossoms profusely but has no fruit; when grafted onto tomato, it gives normal fruit and seed even after self-pollination. The largest number of racemes and blossoms came from variant No 1 (cf. Part III); the plants of the third variant blossomed much worse than the control. The largest number of air tubers and stolons formed on the first variant also. Seedlings were grown from seed of fruit grown in the first variant, and then these seedlings were grafted onto *Lycopersicon esculentum*. Stolons formed on the graft seedlings much

Card 1/2

2

OSKIERKA, I.

■POLAND/Cultivated Plants - Potatoes, Vegetables, Melons.

M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10780

Author : Malinowski, E., Bankowska, H., Oskierka, I.

Inst : -

Title : Experiments with Potato Grafting. V. Solanum polyadenium  
Air Stolons.

Orig Pub : Acta. agrobot, 1956 (1957), 5, 55-61

Abstract : Solanum polyadenium was grafted onto Golden Jubilee tomato with the aim of getting fruit from the self-pollinating S. polyadenium blossoms. When grafted with two young shoots the graft's flowering increased markedly, and fruit was produced by the self-pollination. When two old shoots were left on the rootstocks, no fruit grew on the graft; an average of 40 blossoms formed on each plant (126 in the first case). The seedlings from the self-pollination were grafted onto Lycopersicon esculentum. The variants from the graftings were as before (see parts 3

Card 1/3

3

POLAND/Cultivated Plants - Potatoes, Vegetables, Melons.

M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10780

lateral shoots. The stolons become progressively shorter in proportion to their distance from the place of graft. No stolon formation was noted on the riceemes.

Card 3/3

OS'KIN, A. I.

Grain - Krasnodar Territory

Overall mechanization of work in handling grain on collective farms of Krasnodar Territory. Dost. sel'khoz., no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195~~8~~<sup>2</sup>, Uncl.

OS'KIN, A. I.

Os'kin, A. I.

"An experiment in high-production use of trailer grain harvesting combines." Moscow Order of Lenin Agricultural Academy imeni K. I. Timiryazev. Moscow, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences.)

Knizhnaya Letopis'  
No. 25, 1956. Moscow.

OS'KIN, Aleksandr Ivanovich; BUDKO, Aleksey Ivanovich; KOBYLYAKOV, L.M.,  
redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Over-all mechanization of harvesting in the Kuban] Kompleksnaia  
mekhanizatsiia uborki na Kubani. Moskva, Gos. izd-vo selkhoz. lit-ry,  
1956. 157 p. (MLRA 9:11)  
(Kuban--Harvesting machinery)



OS'KIN, Aleksandr Ivanovich; KRYUKOV, V.L., red.; CHICHEVA, L.I., red.;  
TRUKHINA, O.N., tekhn. red.

[Over-all mechanization of rice cultivation] Kompleksnaia me-  
khanizatsiia vozdelevaniia risa. Moskva, Izd-vo sel'khoz.lit-  
ry, zhurnalov i plakatov, 1961. 111 p. (MIRA 14:11)  
(Rice) (Farm mechanization)

OS'KIN, A.I.; BUDKO, A.I.

Technology and overall mechanization in cultivating and harvesting  
corn. Mekh.i elek.sots.sel'khoz. 20 no.4:1-6 '62. (MIRA 15:8,

1. Kubanskiy nauchno-issledovatel'skiy institut ispytaniy traktorov  
i sel'skokhozyaystvennykh mashin.  
(Corn (Maize))

ЖИЛИН, Александр Иванович

[См. также] by the team of V.A. Iervitskogo; recommendations on the comprehensive mechanization of corn growing without manual labor; *nyt vozdeliyaniia kukuruzy v rone V.IA. Iervitskogo; rekomendatsii po kompleksnoi mekhanizatsii vozdeliyvaniia kukuruzy bez ruchennoi sily i t.d.* Moskva. *Stun. tekhn. informatsii i sekury,* 1961. 120 s.

OS'KIN, A.I.; KRYUKOV, V.L., red.

[Technology of corn harvesting with the remodeled SK-3  
and SK-4 combines, its postharvest processing and storage]  
Tekhnologiya uborki kukuruzy pereoborudovannymi kombai-  
nami SK-3 i SK-4, ee posleuborochnaia obrabotka i khranenie  
zerna. Moskva, Biuro tekhn. informatsii i reklamy, 1963. 57 p.  
(MIRA 17:5)

ALEKHIN, N.V., dots., kand. sel'khoz. nauk; GEORGIYEVSKIY, I.S., dots., kand. tekhn. nauk; KUDRYAVTSEV, N.Ye., dots., kand. sel'khoz. nauk; OS'KIN, A.I., dots., kand. sel'khoz. nauk; PRONIN, A.F., dots., kand. sel'khoz. nauk; SACHLI, S.N., dots., kand. sel'khoz. nauk; DMITRIYEV, I.I., red.; TRUKHINA, O.N., tekhn. red.

[Manual on the adjustment of agricultural machines]  
Spravochnik po regulirovke sel'skokhoziaistvennykh mashin. [By] N.V.Alekhin i dr. Izd.2., perer. i dop. Moskva, Sel'khozizdat, 1963. 686 p. (MIRA 17:1)



GFMMERLING, A.V., doktor tekhn.nauk; OS'KIN, B.I., inzh.

Calculation of prestressed beams under elastoplastic conditions.  
Trudy TSNIISK no.7:97-124 '61. (MIRA 15:3)  
(Beams and girders)

SEMENOV, Mikhail Nikolayevich; OS'KIN, G.I., kand. ist. nauk, red.;  
MUKHINA, Ye.S., tekhn. red.

[Be alert] Bud'te bditel'ny. Moskva, Izd-vo DOSAAF, 1962. 93 p.  
(MIRA 16:2)

(Espionage)



TO: SAC, NEW YORK (100-100000) (P)  
FROM: SAC, NEW YORK (100-100000) (P)  
SUBJECT: [REDACTED]

[REDACTED]

OS'KIN, G.N.

Prepare new technical conditions for the pipelines constructed  
in Siberia and the Far East. Stroi. truboprov. 9 no.8:38-39  
Ag '64. (MIRA 17:12)

1. Stroitel'no-montazhnoye upravleniye No.1 tresta  
Omsknefteprovedstroy, Okha-na-Sakhaline.

OS'KIN, I.M.

Design of the standard Z ruler. Geofiz. prib. no.10:102-115  
'61. (MIRA 15:8)  
(Slide rule)  
(Magnetic prospecting--Equipment and supplies)

AL'TGAUZEN, M.N.; GINZBURG, I.I.; DUBOVSKAYA, M.V.; YERSHOV, A.D.;  
MELKOV, V.G.; OS'KIN, N.I.; ROZHKOVA, Ye.V.; STRAKHOV, N.M.;  
KHRUSHCHOV, N.A.; SHMANECHKOV, I.V.; SHCHERBAKOV, D.I.;  
YANSHIN, A.L.; AMIRASLANOV, A.A.; GOTMAN, Ya.D.; ZUBREV, I.N.;  
KOROVYAKOV, I.A.; ORLOVA, P.V.; PASOVA, F.G.; SAAKYAN, P.S.;  
TERENT'YEVA, K.F.; SHANOBSKIY, L.M.; CHERNOSVITOV, Yu.L.;  
SHCHERBINA, V.V.

Iurii Konstantinovich Goretskii; obituary. Sov.geol. 4 no.12:  
153-155 D '61. (MIRA 15:2)  
(Goretskii, Iurii Konstantinovich, 1912-1961)

OS'KIN, P.

Agricultural production costs. Fin.SCSR. 20 no.11:12-21  
N '59. (MIRA 12:12)

1. Zaveduyushchiy Saratovskim oblfinothdelom.  
(Saratov Province--Collective farms--Costs)

OS'KIN, P.

For improving the standard of economics. Fin. SSSR 20 no.7:18-22  
Jl '59. (MIRA 12:11)

1. Zaveduyushchiy Saratovskim oblfinotdelom.  
(Saratov Province--Finance)

OS'KIN, P.

Closer to production. Fin.SSSR 22 no.6:41-46 Je '61.  
(MIRA 14:6)

1. Zaveduyushchiy Saratovskim oblfinothdelom.  
(Saratov Province---Finance) (Auditing)

1. OS'KIN, P.A.
2. USSR (600)
4. Agriculture
7. Complex mechanization of grain-cleaning. Krasnodar, Kraevoe izdatel'stvo, 1952

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



OS'KIN, P. T.

Viticulture

We obtain each year abundant yields of grapes. Vin. SSSR 12 No. 7 1952

9. Monthly List of Russian Accessions. Library of Congress, October 195<sup>2</sup>, Uncl.

OS'KIN, V.I.

"Penalty and Encouragement, as Essential Means of Military Education."  
(Vzyskaniya i pooshchreniya vazhnye Sredstva Voinskogo Vospitaniya.)  
M. Voenizdat 1955. 43 str.

OS'KIN, Valentin Il'ich, polkovnik; SHARPILO, P.N., red.; MYASHIKOVA, T.F.,  
tekh. red.

[Disciplinary practice in the Soviet Armed Forces] Distsiplinar-  
naia praktika v Sovetskikh Vooruzhennykh Silakh. Moskva, Voen.izd-  
vo M-va oborony SSSR, 1961. 78 p. (MIRA 14:12)  
(Military discipline)

MAVRISHCHEV, V.S. kand. ekon. nauk; VISYULII, F.F., kand. ekon. nauk; STROKOVA, V.I., kand. ekon. nauk; VYBORNAYA, V.I., kand. ekon. nauk; LOPATIN, N.V., kand. ekon. nauk; SOSIN, L.M., kand. ekon. nauk; ZYATIKOV, Ya.M., kand. ekon. nauk; LYSOV, N.Ye., kand. ekon. nauk; NEVEL'SKAYA, K.I., kand. ekon. nauk; TROBILKO, B.F., kand. ekon. nauk; OS'KIN, V.Ya., kand. ekon. nauk

[Chemicalization of industrial production in White Russia]  
Khimizatsiya promyshlennogo proizvodstva Belorussii. Minsk,  
Nauka i tekhnika, 1966. 1st p. (MIRA 1848)

1. The first part of the document discusses the importance of maintaining accurate records of all activities and the need for a systematic approach to data collection and analysis. It emphasizes the role of the intelligence community in providing timely and reliable information to decision-makers.

2. The second part of the document outlines the various methods and techniques used in intelligence gathering, including human intelligence, signals intelligence, and imagery intelligence. It also discusses the challenges associated with each of these methods and the need for continuous improvement and innovation.

3. The third part of the document focuses on the processing and dissemination of intelligence information. It highlights the importance of ensuring that information is accurate, relevant, and accessible to those who need it. It also discusses the need for effective communication and coordination between different agencies and departments.

4. The fourth part of the document discusses the ethical and legal implications of intelligence gathering and processing. It emphasizes the need for transparency and accountability, and the importance of protecting the privacy and rights of individuals.

5. The fifth part of the document concludes by reiterating the importance of intelligence in national security and the need for a strong and effective intelligence community. It calls for continued support and resources to ensure the success of the intelligence community in the future.

OS'KINA, N., nauchnyy sotrudnik.

Teacher and friend of Soviet youth. Prof.-tekh.obr. 12  
no.11:3-5 N '55. (MLRA 9:2)

1. Muzey M.I.Kalinina.  
(Kalinin, Mihail Ivanovich, 1875-1946)

BALCIUNAS, Jonas; DOVYDAITIS, Vytautas; OSKINIIS, Bronius; VILPISIAUSKAS, V.,  
red.; PROSKIETYTE, D., red.; PAKERYTE, O., ~~tekst.~~ red.

[Following the clouds] Debesu kelias. Vilnius, Valstybine  
politines ir mokslines literaturos leidykla, 1961. 190 p.  
(MIRA 15:3)  
(Lithuania--Gliding and soaring)

OSKO, I . 1949

"Survey of Struma in Szegvar."

Orvosok Lapja, Budapest, 1948 4/10(114-115)  
Abst: Exc. Med. 111, Vol. 111, No. 1, p. 11



PROCESSES AND PROPERTIES INDEX

10

*CA*

A new diketone, ketonic acid and some derivatives. MASON, K. (Oxnard, Ca. *Acta Lu. Sci. Univ. Hung. Franciscus-Josephinae, Sect. Chem., Mineral Phys.* 2, 165-81 (in German) 1925 (1932). Asaroyluremic acid, 2,4,5-(MeO)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>COCO<sub>2</sub>H (I), needles, m. 186°, prepd. from 1,3,4-C<sub>6</sub>H<sub>3</sub>(OMe)<sub>3</sub> and (COCl)<sub>2</sub> in abs. benzene, is sol. in alc., acetone, benzene, glacial AcOH and alkalies. The chloride of I changes in the air to I. Its bluish yellow crystals m. 125°. The amide of I, from the chloride and dry NH<sub>3</sub>, is greenish yellow, m. 202°, sol. in alc., acetone, insol. in benzene, ligroin, amide, from the chloride with PhNH<sub>2</sub> in benzene, yellow, m. 162°, sol. in alc., CHCl<sub>3</sub>, p-toluene, m. 181°, sol. in alc., acetone and glacial AcOH. Me ester of I, from I and MeOH with concd H<sub>2</sub>SO<sub>4</sub>, m. 137°, sol. in alc., benzene, glacial AcOH, CHCl<sub>3</sub> and ether, Et ester, m. 92°, sol. in alc., glacial AcOH, benzene and CHCl<sub>3</sub>. Iso-Am ester, m. 65°, has the same solubilities as the Et ester. 2,4,5,2',4',5'-Hexamethoxybenzil, prepd. by mixing CS<sub>2</sub> solns of 1,3,4-C<sub>6</sub>H<sub>3</sub>(OMe)<sub>3</sub> and (COCl)<sub>2</sub>, treating with powd. AlCl<sub>3</sub> and distg. off the solvent, light yellow, m. 232°, sol. in CHCl<sub>3</sub>. 2,4,5,2',4',5'-Hexamethoxybenzophenone, formed as a secondary product in the former reaction, yellow tablets, m. 147°, sol. in alc., acetone, benzene, CHCl<sub>3</sub> and glacial AcOH. Anisoylhydroxyhydroquinone, Me ether (2,4,5,4'-tetramethoxybenzophenone), prepd. by mixing cooled solns of 1,3,4-C<sub>6</sub>H<sub>3</sub>(OMe)<sub>3</sub> and anisoyl chloride and treating as above, yellow, m. 123.5°, sol. as above. Chloro-2,4,5-trimethoxyacetophenone (II), prepd. by mixing cooled solns of 1,3,4-C<sub>6</sub>H<sub>3</sub>(OMe)<sub>3</sub> and ClCH<sub>2</sub>COCl and treating as above, is an oil of unpleasant odor and light yellow color. The formulas and analyses of the compds. are given. Results of microanalyses proved the formulas, excepting for II where the oil could not be obtained free from C<sub>6</sub>H<sub>5</sub>(OMe)<sub>3</sub>.

S. S. DE FISALE

ABB-554 METALLURGICAL LITERATURE CLASSIFICATION

OSKOLKOV, A.I.; USIKOV, I.K.

Semiautomatic machine for burnishing holes. Mashinostroitel'  
no.5:14 My '63. (MIRA 16:7)

(Machine tools)

PALITSYN, Vladimir Andreyevich, inzh.; SPEKTOR, Moisey Isaakovich, inzh.;  
OSKOLKOV, Aleksey Ivanovich, inzh.; SAMOKHOTSKIY, A.I., inzh.,  
ved. red.; TRUSOV, L.P., kand. tekhn.nauk, red.; SOROKINA, T.M.,  
tekhn. red.

[High-temperature double-chamber electric furnace for heating  
stamping billets] Vysokotemperaturnaia dvukhkamernaia elektri-  
cheskaia pech' dlia nagreva zagotovok pod shtampovku. Moskva,  
Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p.  
(Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5.  
No.M-58-206/12)

(Electric furnaces)

(MIRA 16:3)

OSKOLKOV, A.I.; SHARVALOV, B.G.

Burnishing instead of polishing. Mashinostroitel' no. 2 30 Apr 1971.  
(MIRA 17 1971)

OSKOLKOV, A.P.

Differential properties of bounded generalized solutions to  
quasi-linear systems of the variational type. Vest. LGU 18  
no. 7: 2-29 '63. (MIRA 16:4)  
(Differential equations, Linear)

25491  
S/043/61/000/002/001/009  
D207/D306

16.3570

AUTHOR: Oskolkov, A.P.

TITLE: On solving boundary problems for linear elliptic equations in the unbounded domain

PERIODICAL: Leningrad. Universitet, Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 2., 1961, 38 - 50

TEXT: A class of linear elliptic partial differential equations, whose solutions' behavior near infinity is analytic, is considered here. Let  $\Omega_1$  be a bounded region of the  $n$ -dimensional Euclidean

space  $R^n$ ,  $n > 3$ , with the boundary  $S$  belonging to a class  $L_2(1, \alpha)$ ,  $0 < \alpha < 1$ , and let the functional spaces be given by  $C^{(m, \alpha)}(\bar{\Omega}_1)$ ,

$m \geq 0 \dots (A)$ . Then, the function  $u(x)$  is in  $(A)$  if its first  $m$  derivatives are continuous over the closed region  $\bar{\Omega}_1 = \Omega_1 + S$  and the  $m$ -th derivatives are continuous in the Hölder sense in  $\Omega_1$ .

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S/043/61/000/002/001/009  
D207/D306

✓

On solving boundary ...

The norm in A is given by

$$\|u\|_{C^{(m, \alpha)}(\bar{\Omega})} = \sum_{k=0}^m \max_{x \in \bar{\Omega}_k} |D^k u(x)| + \sup_{\substack{x, x' \in \bar{\Omega}_k \\ D^m}} \frac{|D^m u(x) - D^m u(x')|}{|x - x'|^\alpha}, \quad (1)$$

where  $D^k$ ,  $k = 0, \dots, m$  denotes all possible derivatives of order  $k$  and in this case (A) becomes a Banach space. Banach spaces  $C^{(m, \alpha)}(S)$  of the functions defined on the boundary  $S$  are defined in a similar manner. The author considers in a present paper the Dirichlet's problem for a general linear elliptic equation of 2nd order,

$$Lu = a_{ij}(x) \frac{\partial^2 u}{\partial x_i \partial x_j} + a_l(x) \frac{\partial u}{\partial x_l} + a(x)u = f(x) \text{ в } \Omega, \quad (2)$$

$$u|_S = \varphi \quad (3)$$

assuming that

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25491  
S/043/61/000/002/001/009  
D207/D306

On solving boundary ...

$$0 < \lambda_1 |\xi|^2 \leq a_{ij}(x) \xi_i \xi_j \leq \lambda_2 |\xi|^2, \quad |\xi|^2 = \sum_{i=1}^n |\xi_i|^2, \quad (4)$$

$$\|a_{ij}\|_{C^{(\alpha, \beta)}(\bar{\Omega})}, \|a_i\|_{C^{(\alpha, \beta)}(\bar{\Omega})}, \|a\|_{C^{(\alpha, \beta)}(\bar{\Omega})} \leq h < \infty, \quad (5)$$

$$\|f\|_{C^{(\alpha, \beta)}(\bar{\Omega})} < \infty, \quad (6)$$

$$\|\varphi\|_{C^{(\alpha, \beta)}(S)} < \infty. \quad (7)$$

Schauder's theorem is stated than and proved for the unbounded domain. Solutions of Schauder's type in both bounded and unbounded regions are of two kinds: a) Within the region  $\Omega_e$  which take into account the behavior of the function at infinity, but disregard its behavior near the boundary, and b) Those which include the behavior of the function near the boundary, its values on the boundary  $S$  of  $\Omega_e$ . In the latter case the solution for the closed domain consists of the terms valid near the boundary of those valid within the region, and in case of unbounded region this reduces to the

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25491

S/043/61/000/002/001/009  
D207/D306

On solving boundary ...

terms valid within the region. It is the last type of solution that is considered in detail by the author. Eight theorems are stated, by which the existence theorem for the solution of the boundary problem with a normal partial in the unbounded region  $\Omega_e$  can be proved by the method of continuation along the parameter. There are 12 references: 6 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: A. Douglis, L. Nirenberg, Interior estimates for elliptic systems of partial differential equations. Comm. pure appl. math., VIII, No. 4 1955; D. Gilbarg, J. Serrin, On isolated singularities of solutions of second order elliptic differential equations, J. analyse math., 4; 309-340, 1955-1956; R. Finn, D. Gilbarg, Three dimensional subsonic flows and asymptotic estimates for elliptical partial differential equations, Acta. math. 98, no. 2-4, 1957; L. Bers, Local behavior of solutions of general linear elliptic equations, Comm. pure appl. math. VIII, no. 4, 1955.

Card 4/4

OSKOLKOV, A.P.

Solution of boundary value problems for linear elliptic equations in an infinite region. Dokl. AN SSSR 153 no.1: 34-37 N '63. (MIRA 17:1)

1. Leningradskoye otdeleniye Matematicheskogo instituta im. V.A. Steklova AN SSSR. Predstavleno akademikom V.I. Smirnovym.

ACCESSION NR: AP4018870

8/0043/64/000/001/0150/0158

AUTHOR: Oskolkov, A. P.

TITLE: A class of solutions of boundary-value problems for linear elliptical equations with three independent variables in an unbounded domain

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 1, 1964, 150-156

TOPIC TAGS: boundary value problem, elliptical equation, linear elliptical equation, Lyapunov region, Dini function, Dirichlet problem, differential equation

ABSTRACT: The author considers the linear, uniformly elliptical equation:

$$Lu = a_{ij}(x) \frac{\partial^2 u}{\partial x_i \partial x_j} + a_i(x) \frac{\partial u}{\partial x_i} + a(x)u = f(x), \quad x = (x_1, x_2, x_3), \quad (1)$$

with:

$$\lambda_1 \sum_{i=1}^3 \zeta_i^2 \leq a_{ij}(x) \zeta_i \zeta_j \leq \lambda_2 \sum_{i=1}^3 \zeta_i^2, \quad \lambda_1 > 0. \quad (2)$$

Card - 1/3

ACCESSION NR: AP4018870

in a three-dimensional region lying outside a Lyapunov region  $S$  of class  $L_2(1, a)$ ,  $0 < a < 1$ , and including the point at infinity. The coefficients of (1) are regular at infinity. Let  $\xi(t)$  be a Dini function, i. e., a function which satisfies the Dini condition:

$$\int_0^\infty \frac{\xi(t)}{t} dt < \infty; \quad (3)$$

in the neighborhood of infinity. The right hand side of (1) should satisfy the inequality  $|f(x)| \leq |x|^{-2} \delta(|x|)$ . The Dirichlet problem for (1) and (2), with zero boundary conditions at infinity, is given by:

$$\left. \begin{aligned} Lu = f(x) = 0, \quad f(x) \in C_{1,0}^{(2)}(\Delta, \bar{\Delta}), \\ u|_S = \varphi(x), \quad \varphi(x) \in C^{(2,0)}(S), \\ u(x) \rightarrow 0, \quad |x| \rightarrow \infty. \end{aligned} \right\} \quad (4)$$

and is then solved. The principal aim of this paper is to prove two theorems on the solvability of the boundary-value problem given by (4).

ACCESSION NR: AP4018870

The equation:

$$\Delta u + \frac{l-2}{3} \frac{1}{x_i} \frac{\partial u}{\partial x_i} = -\frac{b(r)}{r^2}, \quad 1 < l < 2, \quad (5)$$

is also considered, outside the sphere  $|x| = r \geq R > 0$ , and its solution is obtained as:

$$u(r) = \frac{1}{1-l} \left[ J_0(r) + r^{l-1} \int_k \frac{b(\eta)}{\eta^{3-l}} d\eta \right]. \quad (6)$$

Some other boundary-value problems are also solved. It is pointed out that all the results obtained can be carried over to cases where the number of independent variables is greater than three; the case of  $n = 3$  was treated here merely for simplicity of exposition. Orig. art. has: 39 equations.

ASSOCIATION: None

SUBMITTED: 05Feb63

DATE ACQ: 23Mar64

ENCL: 00

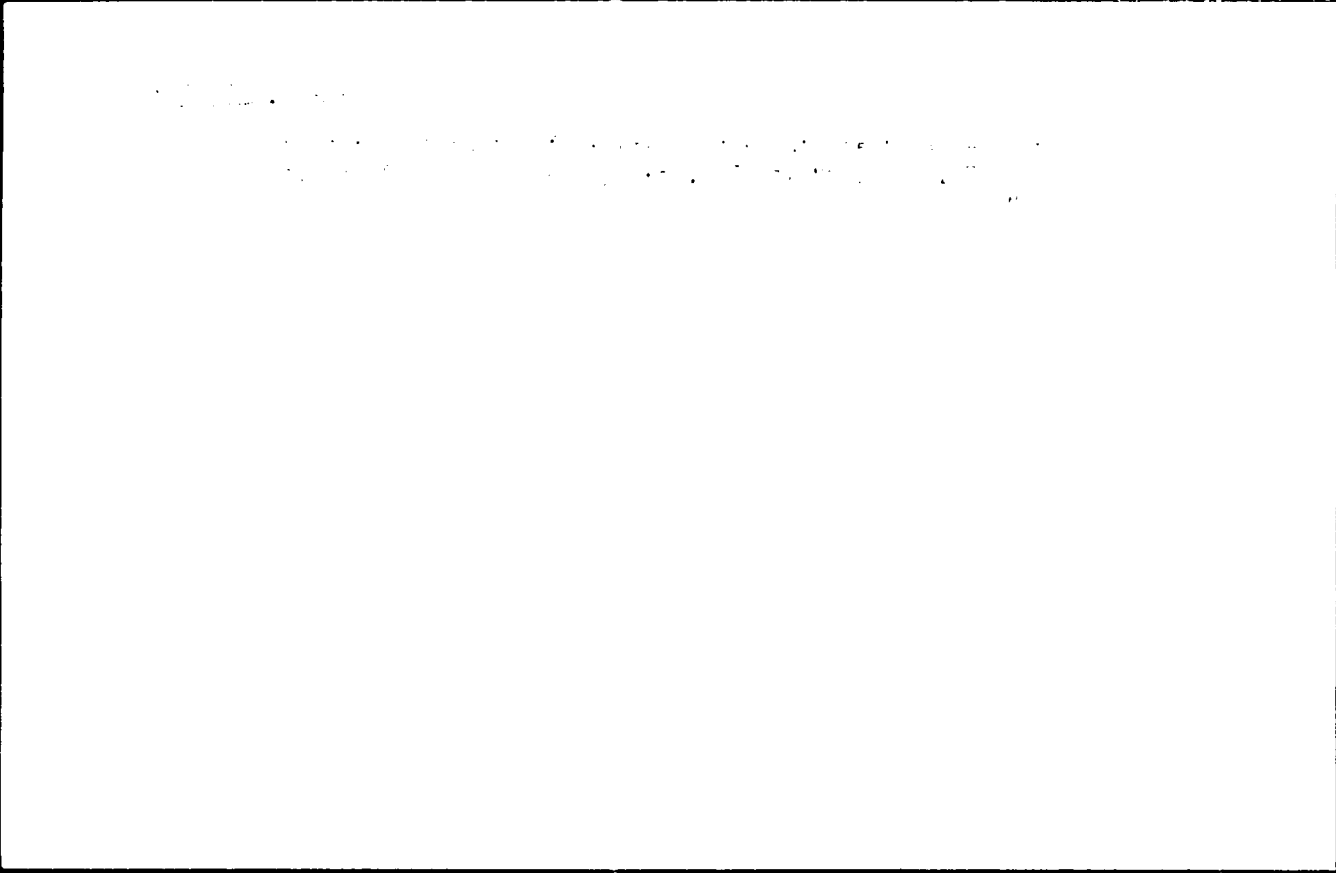
SUB CODE: MM

NO REF SOV: 002

OTHER: 002

3/3

Card



112-57-8-16449

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 60 (USSR)

AUTHOR: Oskolkov, I.

TITLE: Repairing Generators at the Electric Stations of Transportable Movie  
Outfits (Remont generatorov elektrostantsiy kinoperedvizhek)

PERIODICAL: Kinomekhanik, 1956, Nr 5, pp 16-24, 25

ABSTRACT: Bibliographic entry

Card 1/1

OSKOLKOV, A.P.

One application of imbedding theorems to the study of the properties of generalized solutions of two-dimensional quasi-linear elliptic systems. Vest. LGU 20 no. 1:154-158 1961.

(MIRA 18:2)



OSKOL'OV, I.

Moving-Picture Projection

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