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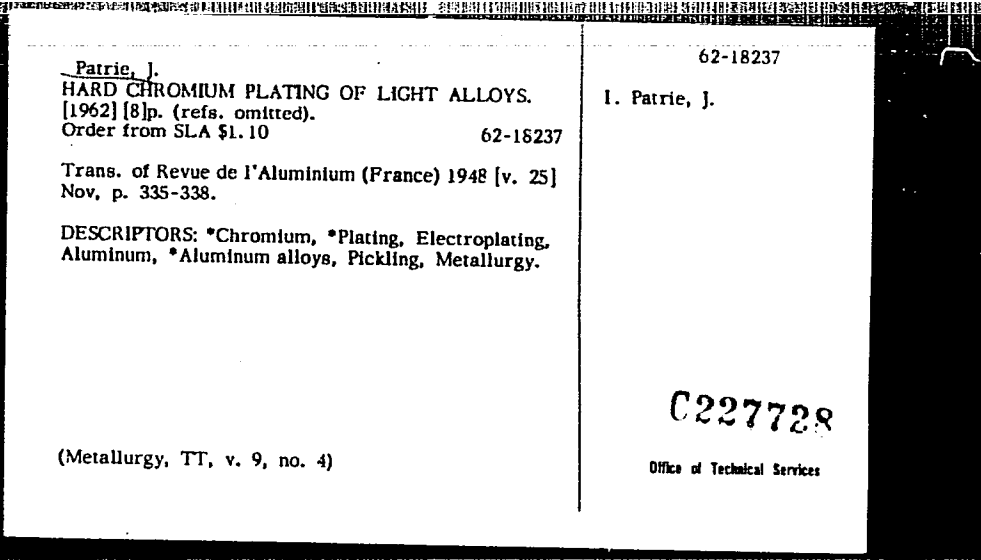
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DESCRIPTORS: \*Titration, \*Iron, \*Aluminum,  
\*Titanium, Determination, Colorimetric analysis,  
Chemical analysis.

Iron, aluminum and titanium can be determined chela-  
tometrically by back-titration of excess complexon in  
neutral medium with copper salt against pyrocatechol  
violet. After titration of iron against sulfosalicylic acid  
and colorimetric determination of titanium, the alumi-  
(Chemistry--Analytical, TT, v. 6, no. 5) (over)

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The Application of Merin in Chemical Analysis. III.  
Photometric Determination of Quadrivalent tin, by  
V. Patrovsky.

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1694-1695, 1954.

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Photometric Determination in the Long-Wave Ultra-Violet Range by Means of Normal Photo-Electric Colorimeters, by V. Patrovsky.  
CZECH, per Chemie, Prague, Vol. 10, 1958, pp 707-709  
CSIRO/No. 7476

*U. PATROVSKY*

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Patrunov, V. G.

THEORY OF MAGNETIC RECORDING OF IMAGES.  
[1962] [15]p. (5 figs. 9 formulas, 1 table omitted)  
12 refs.

Order from GTS or SLA \$1.60

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Trans. of Elektrosvyaz' (USSR) 1959, no. 12, p. 35-42.

DESCRIPTORS: \*Ferromagnetic materials, Powders,  
\*Magnetic recording systems, Theory.

Examination of forces acting on particle of ferromagnetic powder, by means of which the magnetic recording is visualized. There are also evaluated the technological problems and materials for recording images and obtaining impressions on paper. (Author)

(Engineering--Electronic, TT, v. 8, no. 9)

I. Patrunov, V. G.

C225891

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Ferrography-A Magnetic Method of Recording  
Pictures, by V. A. Vatsenko, V. G. Patrunov,  
10 pp.

RUSSIAN, per, Elektrosvyas', No 7, 1958,  
pp 49-55.

Pergamon Press

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Gyrotropic Properties of a Plasma in the Propagation  
of an Extraordinary Wave, by B. I. Patrushev, Ex  
V. D. Rusanov, et al, 17 pp.

RUSSIAN, bk, Girotrophnye Svoistva Plazmy  
Rasprostraneni Neobykvennoi Volny, 1960.

AEC Tr-4767

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Dispersion Properties of a Plasma in Propagation of  
the Extraordinary Wave, by B. I. Patrushev, V. D.  
Rusanov, I. A. Kovan, et al, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,  
No 6 (12), 1960, pp 1503-1507.

AIP  
Soviet Phys - JETP  
Vol XII, No 6

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Investigation of Magnetoacoustic Resonance in a  
Plasma With Aid of Double Electric Probes, by V. D.  
Rusanov, B. I. Patrushev, I. A. Kovan, et al, 4 pp.

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No 6 (12), 1960, pp 1497-1502.

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Patrushev, D. A.

SELECTION OF OPTIMUM ELECTRICAL CONDI-  
TIONS FOR PHOSPHORUS FURNACE, tr. by Bertha P.  
Klenova. 27 July 61, 13p. 14 refs. TVA-3930.  
Order from OTS or SLA \$1.60 62-24459

Trans. of Ural [skii] Nauch[no]-Issledovatel [skii]  
Khim[icheski] Inst[itut]. Trudy (USSR) 1957, v. 5,  
p. 252-262.

DESCRIPTORS: Electric furnaces, \*Phosphorus, Ores,  
Reduction, \*Rotary furnaces, Coke, Carbon, \*Voltage,  
Particles, Gases, Purification, \*Electric filters.

The best indices relating to reduction of ore, specific  
energy consumption, and capacity coefficient are found  
in stationary furnaces in which the criterion of the elec-  
tric field EP, is 6.7 to 9.4, and the geometric pa-  
rameter is B:D 2.5-2.8. The single rotary phosphorus  
(Engineering--Chemical, TT, v. 8, no. 12) (over)

62-24459

I. Patrushev, D. A.  
II. TVA-3930  
III. Tennessee Valley Authority,  
Wilson Dam, Ala.

1236373

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Mechanism of the Reduction of Phosphates, by D. A. Patrushev, A. S. Mikulinskiy, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXIII, No 4, 1960, pp 774-778.

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Sci

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62-24458

Patrashev, D. A. and Mikulinski, A. S.  
CHANGE OF CHARGE IN THE MELTING PROCESS IN  
THE PHOSPHORUS FURNACE, tr. by Bertha P. Klenova.  
19 July 61, 19p. 24 refs. TVA-3929.  
Order from: OTS or SLA \$1.60 62-24458

I. Patrashev, D. A.  
II. Mikulinski, A. S.  
III. TVA-3929  
IV. Tennessee Valley  
Authority,  
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Trans. of Ural'skii Nauchno-Issledovatel'skii  
Khimicheski Institut. Trudy (USSR) 1957 [v. 5]  
p. 236-251.

DESCRIPTORS: \*Phosphorus, Reduction, Melting,  
\*Furnaces, Slags.

Conclusions regarding the principal reactions which  
take place in a plant furnace were derived from labora-  
tory experiments, observations of plant-furnace  
operation, and data in the literature. The reduction of  
phosphates begins in the solid phase in the middle zones  
of the furnace at about 1000° C. The process goes over  
(Engineering--Chemical, TT, v. 9, no. 2) (over)

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Islam and Its Reactionary Nature, by D. A. Patrushev,  
31 pp.

RUSSIAN, bk, Islam, No 34, Series II, 1960, pp 3-30.

JPRS 4990

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The Effect of Chloral Hydrate on the Cardiovascular  
System of Rabbits with Experimental Cholesterol  
Atherosclerosis, by G.A. Patrushev, 7 pp.

RUSSIAN, per, Farmakol i Toksikol, Vol. XXII, No. 5,  
1959, pp 426-433.

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TT-63-23854

Patrushev, V. I.

THE ROLE OF SODIUM AND CHLORINE IN THE  
HYPOTENSIVE EFFECT OF LOW CHLORIDE AND  
CHLORIDE-FREE DIETS IN ARTERIAL HYPERTEN-  
SION. [1963] [15p] 24refs FASEB Manuscript  
no. S 127-3.

Order from OTS, SLA, or ETC \$1.60 TT-63-23854

Trans. of Terapevticheski Arkhiv (USSR) 1962, v. 34,  
no. 12, p. 8-14. (Abstract available)

DESCRIPTORS: \*Sodium, \*Chlorine, \*Hypertension,  
\*Electrolytes (Physiology), \*Diet, Chlorides,

The hypertensive effect of sodium chloride in patients  
with arterial hypertension, after preliminary reduction  
of arterial pressure by a salt-free diet, is due to the  
chlorine ion as well as to the sodium ion. The  
hypotensive effect of a salt-free diet in arterial hyper-  
tension patients is related to a reduction in the intake  
of sodium and chlorine ions. (Author)

- I. Patrushev, V. I.
- II. FASEB S-127-3
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

173550

(Biological Sciences--Pathology,  
TT, v. 11, no. 7)  
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Physiology of the Act of Attention, by V. I. Fritskey,  
V. G. Zharov, 8 pp.

RUSSIAN, par, Vop Pril, No 3, 1962, pp 70-74.

JPRS 28892

Sci - Biol & Med  
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243, 012

Physiology of the Act of Attention, by V. I. Patrusev,  
Y. G. Zinshov, 3 pp.

RUSSIAN, par. Vop Palk, No 3, 1962, pp 70-74.

JPRS 23993

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