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Trans. of Neftyanoe Khozyaistvo (USSR) 1962, v. 40,  
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DESCRIPTORS: \*Porous materials, Models (Simula-  
tions), Sand, \*Petroleum, Permeability, Temperature,  
Test equipment, Tests, Hydraulic accumulators.

In order to study the changes in the permeability of oil  
at various temperatures, research was done on model  
beds utilizing a porous medium, sand taken from the  
outcrops of petroleum bed. Increased oil permeability,  
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(Materials--Fuels, TT, v. 11, no. 3) (over)

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included) Brofs. CNRS-VI 829.

Order from OIS, LIT or CNRS 50,50 TT-62-29194

Trans. in French. In Neftyanoe Engehnstvo (USSR)  
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Another trans. is available in English from OIS or  
SLA \$1.00 as TT-62-29194, 1965, 12p (foreign  
text included).

DESCRIPTORS: \*Petroleum, Sand, \*Geology,  
Temperature, Viscosity, Porosity, Permeability.

(Earth Science -- Geology, TT, v. 11, no. 9)

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p. 9-15.

- DESCRIPTORS: \*Geology, Geological survey,  
Geophysics, Petrology.

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DESCRIPTORS: \*Copper compounds, \*Chromium compounds, Oxides, \*Catalysts, Chemical reactions, \*Oxidation, \*Heptanes, Chemical properties.

(Chemistry, TT, v. 10, no. 2)

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DESCRIPTORS: \*Carbon compounds, \*Monoxides,  
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Order from K-H \$13.75

K-H 12119-b

Trans. of Gidrotiz[naya] i Lesokhim[icheskaya] Prom-  
[yshlennost'] (USSR) 1957, v. 10, no. 7, p. 21-24.

DESCRIPTORS: \*Wood, Pyrolysis, Coal tars.

(Engineering-Chemical, ET, v. 9, no. 1)

62-34110

I. Sumarokov, V. P.  
II. K-H-12119-b  
III. Kresge-Hooker Science  
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Detroit, Mich.

Office of Technical Services

Sumarokov, V. P. and Bogoyavlenskaya, V. N.  
PREPARATION OF PYROCATECHOL FROM WOOD  
CREOSOTE BY DECOMPOSITION OF PHENOL  
ETHERS UNDER ATMOSPHERIC PRESSURE, III.  
[1961] 4p. 3 refs.

Order from OTS or SLA \$1.10

61-18345

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)  
1944, v. 17 [no. 11/12] p. 650-655.

DESCRIPTORS: \*Pyrocatechol, Preparation, \*Creosote,  
\*Phenols, \*Ethers, Decomposition, \*Hydrochloric  
acids, Chemical reactions, Temperature, Velocity,  
\*Anilines.

The dependence of the velocity of decomposition of poly-  
hydric phenols upon the temperature, the amount of  
aniline used and the rate of flow of hydrogen chloride  
forming the aniline salt was studied. A rise of the tem-  
(Chemistry--Organic, IT, v. 6, no. 10) (over)

61-18345

I. Sumarokov, V. P.  
II. Bogoyavlenskaya, V. N.

Office of Technical Services

Sumarokov, V. P., Rykin, S. S., and  
Bogoyavlenskaya, V. N.

PREPARATION OF PYROCATECHOL BY DECOMPO-  
SITION OF PHENOL ETHERS OF WOOD CREOSOTE  
UNDER ATMOSPHERIC PRESSURE, I [1961] 8p  
9 refs.

Order from OIS or SLA \$1.10

CI-18169

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1943,  
v. 16, p. 219-226.

DESCRIPTORS: Pyrocatechol, Ethers, Wood, Creosote,  
Synthesis.

Experiments of preparation of pyrocatechol from two  
samples of creosote with the aid of aniline hydrochlor-  
ide are reported, in which it was established that: (1)  
practically complete decomposition of the phenol ethers  
of creosote may be achieved by this method; (2) the re-  
action requires more time than the action of hydro-  
(Chemistry--Organic, TT, v. 6, no. 6) (wee)

CI-18169

I. Sumarokov, V. P.  
II. Rykin, S. S.  
III. Bogoyavlenskaya, V. N.

Office of Technical Services

Sumarokov, V. P., Rylkin, S. S., and Kurmleeva,  
E. E.  
PREPARATION OF PYROCATECHOL BY DECOM-  
POSITION OF PHENOL ETHERS OF WOOD CREO-  
SOTE UNDER ATMOSPHERIC PRESSURE, II. [1961]  
5p. 13 refs.  
Order from OTS or SLA \$1.10

61-18215

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1944,  
v. 17, p. 552-556

DESCRIPTORS \*Pyrocatechol, Ethers, Wood, Creosote, Synthesis

Experiments are reported of preparation of pyro-  
catechol from creosote by the action of aluminum chlo-  
ride under atmospheric pressure. It was found that a  
practically complete decomposition of the phenol ethers  
is possible, using approximately equimolecular amounts  
of ether and aluminum chloride. This reaction is much  
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18215

- I. Sumarokov, V. P.
- II. Rylkin, S. S.
- III. Kurmleeva, E. E.

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Distribution of Furfural Between Water and Certain  
Organic Solvents, by V. P. Sumarokov, Z. M.  
Volodutskaya, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 4,  
1960, pp 910-913.

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Characteristics of the Binary System Acetic Acid --  
Propionic Acid, by V. P. Sumarokov, Z. M. Volodut-  
skaya, 6 pp.

RUSSIAN, no per. Zhur Prikl Khim, Vol XXIX, No 5,  
May 1956, pp 738-742.

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The Distribution of  $\text{C}_1 - \text{C}_3$  Acids in the System  
Diisopropyl Ether - Water, by <sup>1</sup>V. P. Sumarokov,  
M. M. Volodutskaya, 5 pp

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 11,  
1959, pp 2521-2525

CB

Oct 60

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Characteristics of the Organic Portion of  
Industrial Sewage of Works for Dry Distillation  
of Wood, by V. P. Sumarokov, M. G. Pershanova,  
6 pp.

Full translation.

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1954, pp 656-661. CIA C 39522

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The Production of Ductile Niobium, by O. P.  
Kolchin, N. V. Sumarokova, N. P. Chuvelava,  
10 pp.

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1957, pp 515-~~521~~ 524.

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Sci - Physics

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Electrical Conductivity, Viscosity and Density of  
Systems  $\text{SnCl}_4$ - $n$ - $\text{C}_4\text{H}_9\text{OH}$ - $\text{C}_6\text{H}_6$  and  $\text{SnCl}_4$ - $n$ - $\text{C}_5\text{H}_{11}\text{OH}$ -  
 $\text{C}_6\text{H}_6$  II, by Yu. Nevskaya, T. Smarokova, 3 pp.

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1961, pp 345-347.

CB

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Cryocopical Titration of Mixtures  
of Organic Substances, by Yu. Nevskaya,  
T. Sumarokova. 49

RUSSIAN, per, Zhurnal Prikladnoi Khimii,  
Vol 33, No 12, 1960, pp. 2803-8.

NTC 69-11638-070

*T. SUMAROKOVA*

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July 60

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The Systems  $\text{FeCl}_2$  -  $\text{FeBr}_2$  and  $\text{FeBr}_2$  -  $\text{FeI}_2$ ,  
by T. Modestva, Evgenia T. Samarkova, 8 pp.

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1968, 1958, pp 1653-1660.

ABC-tr-4495  
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Reaction of Stannic Chloride and Bromide with  
Amino Acids, by T. Sumarokova, Ye. Yarmukhamedova,  
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II. The System Cetyl Acetate - Acetic Acid, by  
T. Sumarokova, K. Bilyalov, 2 pp.

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L. L. Sul'zhenko, E. V. Kuvshinskiy, 6 pp.

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Preparative Method for a Lubricant, by  
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