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p. 3-32.

DESCRIPTORS: *Forestry, Trees, *Wood, Processing,
Machines, Cutting tools, Milling machines,
Conveyors, Blowers.

(Machinery, Fabrications and Accessory Equipment,
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63-12876

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- II. Kushnov, N. P.
- III. FPRB Trans-151
- IV. NRCC C-3967
- V. Forest Products Research
Branch (Canada)
- VI. Bureau of Translations
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*FTD-HT-67-378

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*FTD-TT-62-883

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DESCRIPTORS: Fats, Determination, *Tobacco,
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(Biological Sciences--Botany, TT, v. 6, no. 3)

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II. ATS-35N51R
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OTS 60-51004

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*FTD-TT-65-2049

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*CSFTI TT 68-50435

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*CSFTI TT 68-50432

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NLL M. 3750

SCI - PHYS

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Sci -
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COOLING (Skema Obrazovaniya Nizkikh i Tumanov pod
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Irene A. Donehoo. Nov 61 [10]p. 5 refs.
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p. 16-22.

DESCRIPTORS: *Clouds, *Fog, Weather forecasting,
Moisture, Turbulence, Intensity, Cooling, *Air mass
analysis, *Stratus clouds.

It is shown that in the absence of warm advection and
moisture and with intensity of turbulence, which does
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1. Title: Radiative cooling
- I. Koshelenko, L. V.
- II. Weather Bureau,
Washington, D. C.

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ON THE METHOD OF SHORT-PERIOD FORECASTING OF
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RUSSIAN, PER, TRUDY UKRAIN NAUCH-~~ISSLED~~ GIDROMETEOROL
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NLL M. 3821

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OCT 62

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RUSSIAN, per, Tr. Ukr. n-1 Gidromet. Inst,
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NLL Ref: 9022.55 (F.170)

Sci-Propulsion & Fuels
Aug 68

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NLL 5828.4F (5919)

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Sci - Meteor, Cli
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No 47, 1962, pp 5-20, 100007066
AFCRL T-R-507

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Experience in Analysis of a Wind Velocity
Hodograph in the Boundary Layer of the
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Meteorol. In-Ta., Vol 31, 1962, pp 48-53.

*FTD-TT-65-2022

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Sci/Earth Sci

Jan 66

Romanenko, V. A.
INVESTIGATIONS OF SNOWMELT LOSSES
D. B. Krimgold, tr. Nov 63, 9p 40refs
Order from AGU \$7.50 in Soviet Hydrology: Selected
Papers, 1963, no. 1 (p. 35-43)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii
Gidro-Meteorologicheskii Institut. Trudy (USSR) 1963,
v. 39, p. 3-13.

DESCRIPTORS: *Snow, Melting, Drainage, Soils,
Freezing, Volume, Numerical analysis, *Hydrology,

The article outlines methods of computation of snowmelt
losses as a function of the moisture content and depth
of freezing of the soil and of water stored on the surface
of the basin. (Author)

(Earth Sciences, TT, v. 11, no. 7)

TT-64-12443-1 (p. 35-43)

I. Romanenko, V. A.
II. American Geophysical
Union, Washington, D. C.
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Washington, D. C.

Office of Technical Services

Romanenko, V. A.
COMPUTATION AND FORECAST OF THE VOLUME
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THE UKRAINE BASED ON THE GENERAL REGIONAL
RELATIONSHIPS
D. B. Krimgold, tr. Nov 63, 13p 13refs
Order from AGU \$7.50 in Soviet Hydrology: Selected
Papers, 1963, no. 1 (p. 44-56)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii,
Gidro-Meteorologicheskii Institut. Trudy] (USSR) 1963,
v. 39, p. 14-29.

DESCRIPTORS: *Rivers, *Drainage, Snow, Melting,
Volume, Equations, Mathematical prediction,
*Hydrology.

This article outlines a method of computing and fore-
casting the volume of spring high water of small rivers
of the Ukraine with regional relationships which take
(Earth Sciences, TT, v. 11, no. 7) (over)

TT-64-12443-1 (p. 44-56)

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Lalykin, N. V.
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D. B. Krimgold, tr. Nov 63, 8p 9refs
Order from AGU \$7.50 in Soviet Hydrology: Selected
Papers, 1963, no. 1 (p. 56-63)

Trans. of [Ukrainskii Nauchno-Issledovatel'skii
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1963, v. 39, p. 54-62.

DESCRIPTORS: *Rivers, *Floods, *Drainage,
Rainfall, Volume, Equations, Numerical analysis,
Hydrology.

(Earth Sciences, TT, v. 11, no. 7)

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- II. American Geophysical
Union, Washington, D. C.
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Konstantinov, A. R.
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Lloyd G. Robbins, tr. Nov 63, 10p 34refs
Order from AGU \$7.50 in Soviet Hydrology: Selected
Papers, 1963, no. 1 (p. 76-85)

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Gidro-Meteorologicheski Institut Trudy] (USSR)
1963, v. 39, p. 78-89. (Abstract available)

DESCRIPTORS: *Evaporation, Surface areas, Lakes,
Dams, Periodic variations, Measurement,
Meteorology.

The article examines the diurnal and seasonal pattern
of the evaporation from the surface of water bodies
having various sizes, the dependence of evaporation
intensity on a reservoir's area, the suitability of vari-
(Earth Sciences--Meteorology, TT, v. 11, no. 7)over)

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- I. Konstantinov, A. R.
- II. American Geophysical
Union, Washington, D. C.
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Office of Technical Services

Results of an Experimental Investigation of
the Structural Characteristics of Air
Flow in the Surface Boundary Layer of the
Atmosphere, by N. M. Galadzhii.
RUSSIAN, por, Trudy Ukrainskiy
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Institut, No 41, 1964, pp 87-94.
*FTD-FT-65-2036

Sci-E, Sci
Jan 66

Relation Between Transpiration and the Spectral
Composition of Radiation, by A. R. Konstantinov,
N. I. Goisa, et al. 9 pp.

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CESMI TT 68-50435

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On Determining the Potential Evapotranspiration
(The Maximum Possible Evapotranspiration) From
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RUSSIAN, per, Trudy Ukrainskogo Nauchno-Issle-
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CFSTI TT 68-50433

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Experimental Study of Methods for Measuring
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CFSTI TT 68-50432

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Excretory Function of the Stomach of the Pig and
Changes During Invasion by Ascaridae, by M. S.
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RUSSIAN, per, Trudy Ukrainskogo Obshchestva Parazit,
Vol 1, 1961, pp 86-93.
NLL/RTS 2846 20s Od.

Sci -
Aug 67

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Construction of a Set of Systems of Differential
Equations Describing Stable Motion by a Given
Procedure, by I. A. Mukhametzyanov, 5 pp.
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1963, pp 52-55. 9697876
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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
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III. Tennessee Valley Authority,
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DESCRIPTORS: *Phosphoric acids, Production, *Elec-
tric furnaces, Operation, Calcium compounds, Oxides,
Silicon compounds, Dioxides, Carbon, Slags, Waste
gases, *Phosphorus, Reduction,

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*Vaporization, Temperature, Phase studies, Sublima-
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Separation.

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II. Diev, N. P.
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