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INFLUENCE OF THE WATER LEVEL IN AN EVAPORATION TANK ON THE RATE OF EVAPORATION
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[1961] [8]p. (foreign text included) 1 ref. [CSIRO]
Trans. no. 5280.
Order from OTS or SLA \$1.10 61-28644

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- II. Uzun, A. T.
- III. CSIRO Trans-5280
- IV. Commonwealth Scientific and Industrial Research Organization (Australia)

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DESCRIPTORS: *Water tanks, *Depth indicators, *Evaporation, Wind, Velocity, Hydrology, Moisture, Surface temperatures, Gas flow

Analysis of experimental data indicates that as the water level in the tank sinks the rate of evaporation decreases. The higher the wind velocity the greater is
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JPRS 69:8

Sol - Decpliya

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Oct 61

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*JPRS 2958

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Sci - Earth Sci & Astron
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1961, pp 15-21.
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(Ee Evolyutsii) tr. by Irene A. Doneho. Jan 62 [9]p.
11 refs.

I. Gogoleva, E. I.
II. Weather Bureau, Washington,
D. C.

Order from OTS or SLA \$1.10 62-15793

Trans. of Meteorologiya i Gidrologiya (USSR) 1961,
no. 7, p. 22-26.

DESCRIPTORS: *Stratus clouds, Temperature,
Humidity, Air, Cooling.

An analysis shows a relationship between the radia-
tional cooling of the first half kilometer layer of air
and the formation of low clouds in it, with which the
considerable lowering of visibility, starting from the
upper level 3-4 hours prior to the occurrence of the
(Earth Sciences--Meteorology, TT, v. 7, no. 10)
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JPRS 11200

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RUSSIAN, per, Met 1 Gid, No 7, 1961, ~~FM~~ P 58.

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JPRS 11504

Sci - Geophys
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(DC-6330)

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Evolution of the Jet Stream, by M. V. Shchel'-
nikov, 20 pp.

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JPRS 11504

Sci - Geophys
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JPRS 11504

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Jan 62

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(DC-6330)

Automatic Device for Measuring and Recording
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JPRS 11504

Sci - Geophys
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(X In Strata 0 - 100 Km), by V. R. Dubenskiy,
13 pp.

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Sci - Geophys
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tribution, by I. G. Gerasimov, 14 pp.

RUSSIAN, per, Met i Gid, No 9, 1961, pp 13-22.

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On the Application of Foreign Methods of Monthly
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9 pp.

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JPRS 11845

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Sci - Geophys
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AN APPROXIMATE EVALUATION OF FORMULAS ON
THERMAL CONDUCTIVITY OF SNOW (Priblizhennaya
Otsenka Formul Teploprovodnosti Snega) tr. by Irene A.
Donehoo. Apr 62. 4p.
Order from OTS \$0.50

62-11667

Trans. of Meteorologiya i Gidrologiya (USSR) 1961.
no. 9, p. 34-36.

DESCRIPTORS: *Snow, *Thermal conductivity, Density,
Heat transfer, Ice, Particles, Physical properties,
Numerical analysis, Phase transitions.

The method presented shows graphically the short-
comings of some of the formulas although it does not
permit one to select the best formula. (Author)

(Earth Sciences--Frost. IT, v. 8, no. 4)

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II. Weather Bureau, Washington,
D. C.

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S-733/61

~~SECRET~~ Scientists in Close Cooperation With
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JPRS 1184A
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Sci. - Geophys
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Analysis of Vorticity Advection, G. I. Norakoy.

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JPRS 12758

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Sci - Geophys

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Sci - Elec
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JPRS 12758

Sci. - Geophys

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All-Union Meteorological Conference, by
L. S. Gordin, 6 pp.

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JPRS 11902

Sci - Geophys
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(DC-6719)

Use of Computer Technology in Meterology,
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No 12, 1961, pp 6-14.

JPRS 13391

Sci - Geophys

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II. Weather Bureau,
Washington, D. C.

Kats, A. L.
CHARACTERISTICS OF THE EMPIRICAL INFLUENCE
FUNCTIONS IN THE NORTHERN HEMISPHERE FOR
A FORECAST OF THE PRESSURE FIELD FOR 3-5
DAYS, BY SINGLE-TYPE INITIAL MACROPROCESSES
(Osobennosti Empiricheskikh Funktsii Vliyaniya na
Svernom Polusharii dlya Prognoza Baricheskogo Polya
na 3-5 Dnei po Odnodimnym Iskhodnym Makroprotsess-
sam) tr. by Irene A. Donahoo. June 62, 11 refs.
Order from OIS \$0.50 62-11737

Trans. of Meteorology [Izvestiya] i Gidrologiya (USSR) 1961,
no. 12, p. 15-22.

DESCRIPTORS: Northern hemisphere, *Weather fore-
casting, Statistical analysis, Meteorological data,
Barometric pressure

A two-level model was used for finding the empirical
influence functions for the purpose of forecasting pres-
(Earth Sciences--Meteorology, TT, v. 8, no. 7) (over)

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(DC-6719)

Attempt at a Quantitative Precipitation
Forecast, by Ling Te-ch'ang, 4 pp.

RUSSIAN, per, Meteorologiya i Gidrologiya,
No 12, 1961, pp 23-25.

JPRS 13391

Sci - Geophya

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S-131/62

On the Experience of the Agrometeorological Service
for Collective Farms and Soviet Farms by Hydro-
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