

100-6037

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On the Angular Distribution of Energy in the Spectrum
of Ocean Waves, by G. V. Matushevskiy.
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JPRS 8998

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RUSSIAN, per, Not in GRD, No 5, 1961, pp 49-55.

JPRS 8958

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(NY) -6554)

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*JPRS 4958

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THE ROLE OF RADIATION IN THE DEVELOPMENT
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(Rol' Izlucheniya v Obrazovanii Sloistoi Oblachnosti
i Ee Evolyutsii) tr. by Irene A. Donehoo. Jan 62 [9]p.
11 refs.

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

Order from OTS or SLA \$1.10

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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)
(over)

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RUSSIAN, per, Met i Gid. No 7, 1961, pp 2-55.

JPRS 11200

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Results Conference at the Irkutsk Hydrometeorological
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*JPRS

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JPRS 11504

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Sci - Geophys
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Precalculation of the Course of the Levels of
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JPRS 11504

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(DC-630)

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JPRS 11504

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(X In Strata 0 - 100 Km), by V. N. Dubon~~skan~~^{skan},
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JPRS 11845

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JPRS 11845

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9 pp.

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JPRS 11815

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Anisimov, M. I.
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THERMAL CONDUCTIVITY OF SNOW (Priblizhennaya
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Donehoo. Apr 62, 4p.
Order from OTS \$0.50

62-11667

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

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II. Weather Bureau, Washington,
D. C.

Office of Technical Services

S-733/61

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JPRS 11844
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The Thermal Zonality of the Earth, by
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JPRS 12758

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JPRS 12902

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Mar 62

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Use of Computer Technology in Meteorology,
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RUSSIAN, per, Meteorologiya i Gidrologiya,
No 12, 1961, pp 6-14.

JPRS 13391.

Sci - Geophys

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62-11737

I. Kats, A. L.
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 Dnel po Odnodnym Iskhodnym Makroprotses-
sam) tr. by Irene A. Donehoo. June 62, 11 refs.
Order from OTS \$0.50 62-11737

Trans. of Met[eorologiya] i Gidr[ologiya] (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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Attempt at a Quantitative Precipitation
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JPRS 13391

Sci - Geophys

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On the Experience of the Agrometeorological Service
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meteorological Stations, by V. P. ~~POKROVSKIY~~
Petrovskaya, (DC-6644)

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S-131/62

Radiation Balance of the Earth as a Planet,
by K. Ya. Kondrayev (KX DC-6644)

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JPRS 13319

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Experience in the Agrometeorological Servicing of
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JPRS 13319

Sci - Geophys
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The Radiation Balance of the Earth as a Planet,
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JPRS 13319

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Some Means of Modifying Climate, by M. I. Budyko,
13 pp.

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Sci - Geophys
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JPRS 13654
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NLL M 5163

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Formation and Changes in Macrovortices in the
Atmosphere, by V.I. Sharov, 11 pp.

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JPRS 13654

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(DC-6728)

Main Features of the Radiation Regime of the
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V. A. Markin, 13 pp.

RUSSIAN, per, Met 1 Glc, No 2, 1962, pp 23-27.

JPRS 13654

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(DC-6723)

Universal Formula for Estimating Global
Radiation, by M. S. Averklyev, 9 pp.

RUSSIAN, per, Met i Gid, No 2, 1962, pp 27-30.

JPRS 13654

Sci - Geophys
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(DC-6728)

Hydrometeorological Study of Mountain Regions, by
I. A. Il'in, 6 pp.

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JPRS 13654

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Physics of Clouds, by ~~XXXXXXXX~~ A. M. Borovikov,
I. I. Gayvoronskiy, et al, 6 pp.

RUSSIAN, per, Met 1 Glid, No 2, 1962, pp 62-63.

JPRS 13651

Sci - Geophys
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194, 261

(DC-5728)

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Oceanography in 1961, 15 pp.

RUSSIAN, per, Met 1 Glid, No 2, 1962, pp 64-67.

JPRS 13654

Sci - Geography
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Third Session of the Commission of Aerology
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JPRS 13654

Sci - Geophys
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(DC-6796)

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RUSSIAN, per, Met 1 Gid, No 3, 1962, pp 61-64.

JPRS 13806

Sci - Geophys
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(DC-6853)

THE COMPLEX METHOD OF FORECASTS, BY N. A. GG
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NO 4, 1962, PP 14-21.

JPRS 14310

SCI - GEPJUS

JUL 62

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Wind Conditions of Convective Clouds Development,
by N. I. Novozhilov.

RUSSIAN, per, Met i Gid, No 4, 1962, pp 45-46.

NLL Ref: 5828.4 1963 (5467) (loan)

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S-331/62

On the Problem of Artificial Modification of Frontal
Cloud Systems in Mountain Regions, by I. V. But.
(DC-6853)

RUSSIAN, per, Met i Gid, No 4, 1962, pp 46-47.

*JPRS

Sci - Geophys

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(DC-6353)

PUBLICATIONS OF SCIENTIFIC RESEARCH INSTITUTIONS OF THE HYDROMETEOROLOGICAL SERVICE IN 1961, 10 PP.

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JPRS 14310

SCI - GEOPHYS

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S-331/62

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Central Institute of Forecasting, by L. M. Margolin.
(DC-6853)

RUSSIAN, per, Met i Gid, No 4, 1962, pp 71-72.

*JPRS

Sci - Geophys

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Final Session of the Scientific Council of the Main
Geophysical Observatory imeni A. I. Voyeykov, by
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RUSSIAN, per, Met i Gid, No 4, 1962, pp 72-72.

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S-331/62

Final Session of the Scientific Council of the Central
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Research on the Evolution of Sub-Tropical Jet
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RUSSIAN, per, Met i Gid, No 5, 1962, pp 29-33.

NLL(LOAN)Ref: 5828.4 1963 (5435)

Sci-Earth Sci & Astron
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62-20430

Glinskii, N. T. and Mikhailova, N. A.
A COMPARISON OF THE COMPUTED AND OBSERVED
ELEMENTS OF WIND WAVES. [1962] 11p. 4 refs.
Order from OTS or SLA \$1.60 62-20430

I. Glinskii, N. T.
II. Mikhailova, N. A.

Trans. of Meteorologiya i Gidrologiya (USSR) 1962,
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DESCRIPTORS: *Wind, Atmospheric motion, Velocity,
Meteorological parameters, Wave analysis.

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(DC-5944)

THE ALL-UNION CLOUD, BY A. KH. KHRGIAN, 8 PP.

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NO 6, 1962, PP 10-14.

JPRS 14677

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S-423/11

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(DCP694).

RUSSIAN, per, Met i Gid, No 6, 1962, pp 52-62.

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16 Jul 62

(CSO: 0017-D)

On the Use of Statistical Methods in Problems of
Weather Forecasting, by A.S. Monin, 18 pp

RUSSIAN, per, Meteorologiya i Gidrologiya, Vol 7,
Jul 1962, pp 3-10.

JPRS: 15,212

Sci-Geophys
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The Role of Pressure Gradient in the Development of a Breeze, by A. F. Dyubyuk, 9 pp.
RUSSIAN, per, Meteorologiya i Gidrologiya,
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FTD-HT-24-305-67

Sci-Phys
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(CSO: 8017-D
New Possibilities of Radar Measurement of the Wind,
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RUSSIAN, per, Meteorologiya i Gidrologiya, Vol 7,
Jul 1962, pp 34-39.

JPRS: 15,212

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I. V. Bugayeva, N. N. Romanov, 17 pp.

RUSSIAN, per, Meteorologiya i Gidrologiya, Vol VII,
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JPRS: 15,212

Sci-Geophys
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Some Results of Aerological Radar Observations
on the Ship 'Yu. M. Shokal'skiy', by A. F. Kuzenkov,
I. G. Potenkin, 14 pp.

RUSSIAN, per, Meteorologiya i Gidrologiya, Vol VII,
1962, pp 45-49.

JPRS: 15,212

Sci-Geophys
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3-26/62

Founders of Microclimatology, by M. I. Shcherban'.
(DC-8259)

RUSSIAN, per, Met i Gid, No 7, 1962, pp 60, 61.

**JPRS/pc - 8259*

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(CSO: 8017-D)

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1962, pp 64-66.

JPRS: 15,212

Sci-Geophys
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(CSO: 3017-D)

Collections of Works of the Hydrometeorological Service
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JPRS: 15,212

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ESTIMATION OF THE HEIGHT OF THE UPPER
BOUNDARY AND THE VERTICAL THICKNESS OF STRATUS
CLOUDS, BY L. T. MATVEYEV, 14 PP.

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SCI - GEOPHYS

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