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FTD-TT-62-1744

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[v. 5] no. 8, p. 13-20.

DESCRIPTORS: *Dryers, Design, Materials, Mass
transfer, Stresses, Viscosity, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12183

- I. Title: Ribbon driers
- I. Sazhin, B. S.
- II. International Chemical
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FTD-TT-62-1804

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*UKAEA/Windscale
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*UKAEA
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Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
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DESCRIPTORS: *Fluid flow, *Heat transfer, *Mass
transfer, Boundary layer, Surface properties, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

- I. Smol'skii, B. M.
- II. El'perin, I. T.
- III. International Chemical
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Office of Technical Services

Heat Exchange in a Turbulent Flow of Air in an
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JPRS 15345

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*NASA TT F-11,333

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Yakimovich, K. A.
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FTD-TT-63-158

Sci-Phys
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Order from ICE in v. 3, no. 2, \$15.00/year

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[v. 5] no. 11, p. 12-[24].
Another trans. is available from OTS or SLA \$3.60 in
63-19336, FTD-TT-63-158, 21 Mar 63 [39]p.

DESCRIPTORS: *Heat transfer, *Mass transfer,
*Evaporation, Porous materials, Dehydration, Cooling,
Boundary layer, Chemical engineering.

(Physics--Thermodynamics, TT, v. 10, no. 3)

I. Lykov, A. V.
II. International Chemical
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Office of Technical Services

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Vol V, No 11, 1962, pp 64-73. 9219727

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Kosterin, S. I., Yushchenkova, N. I. and others.
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READINGS OF A TOTAL-HEAD PROBE. Apr 63, 5p.
9 refs.

Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of ~~Ingenerno-Fizicheskii~~ Zhurnal (USSR) 1962
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DESCRIPTORS: Chemical engineering, *Pitot tubes,
Measurement, Pressure, Mach number, Viscosity,
Nozzles, Attenuation, *Supersonic flow.

(Mechanics--Aerodynamics, TT, v. 10, no. 3)

- I. Title: Rarefaction
- I. Kosterin, S. I.
- II. Yushchenkova, N. I.
- III. International Chemical
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Office of Technical Services

63-18172

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Another trans. is available from ICE in v. 3, no. 2,
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DESCRIPTORS: *Pitot tubes, Measurement, Pressure,
Mach number, Viscosity, Nozzles, Attenuation,
*Supersonic flow, Superaerodynamics.

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I. Kosterin, S. I.
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NASA TT F-178

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NLL (LOBN) REF: 5731.9 1963 (1172)

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To Calculate Convective Processes of Water
Evaporation From Vertical Cylindrical Containers,
by V. B. Shein.

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Heat Transfer with Carbon Dioxide Along Super-
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*NASA TT F-11,333

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JPRS 13610

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JPRS 13609

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Thermophysical Properties of Wrought Metals,
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A Study of the Electrical Conductivity of a
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Buikov, M. V. and Dukhin, S. S.
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Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 3, p. 80ff.

DESCRIPTORS: Evaporation, Diffusion, Thermody-
namics, Heat transfer, Integral transforms.

63-12246

I. Buikov, M. V.
II. Dukhin, S. S.
III. International Chemical
Engineering, New York

(Physics--Thermodynamics, TT, v. 9, no. 2)

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Investigating Flow and Heat Transfer of a
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FTD-TT-62-1279

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An Experimental Study of Heat Transfer With
Melting of a Metal and With ~~UNKNOWN~~ Molten
Metal Fed Through a Porous Wall in a
Supersonic Stream, by I. A. Zotikov, L. H.
Bronskiy, 7 pp.

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FTD-TT-62-1328

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An Experimental Investigation of the Cessation of
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Heating of a Plate at a Shifting Heat
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E. I. Asinovskiy, 10 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
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FTD-TT-62-1085

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The Relationships in Film Flow on a Vertical
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Zigmund, 6 pp.

RUSSIAN, per, Inzh-Fiz Zhur., Vol V, No 4, 1962,
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AEC-tr-5519
ATS RJ-3893

Sci - Phys

Jan 63

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Hydrodynamics and Heat Transfer of the Turbulent
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Yu. A. Koshmarov, 14 pp.

RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol V, No 5,
1962, pp 5-14. ~~9668349~~

FTD-TT-62-1743

Sci-Phys
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Experimental Research of the Hydrodynamics
of a Turbulent Flow of Air in the Gap between
Rotating Coaxial Cylinders by S. I. Kosterin,
Yu. A. Koshmarov and Yu. P. Finat'yev

RUSSIAN, ~~pt~~¹⁹⁶², Inzhenerno-Fizicheskiy Zhurnal,
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* FTD-TT-63-18

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Vol 5, No 5, 1962, pp 21-29. 9700937

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Sci/Chemistry
Aug 66

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FTD-TT-62-1569

Sci- Phys
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Errors in Thermocouple Measurement in Flames, by
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Navy Tr 3504/APL 805

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An Analysis of a Laminar Boundary Layer With Heat
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Z. P. Shul'man.

RUSSIAN, per, Inzh-Fiz Zhur, Vol V, No 5, 1962,
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Rand Corporation
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Sci - Phys

Oct 62

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Zhernovoi, A.
NEW METHOD MEASURING THE CONSUMPTION
OF FLUIDS WITH APPLICATION TO NUCLEAR
MAGNETIC RESONANCE (Novyi Metod Izmereniya
Raskhoda Zhidkostei s Primeneniem Yadernogo
Magnitnogo Rezonansa). tr. by Bonniegail Kucan.
Mar 63 [7p] 5refs
Order from OTS, SLA, or ETC \$1.10 TT-63-23705

Trans. of Inzhenerno-Fizicheski Zhurnal (USSR)
1962, v. 5, no. 5, p. 112-115.

DESCRIPTORS: *Nuclear magnetic resonance,
Detection, Consumption, *Fluids, Nuclear industrial
applications, Measurement, Fluid flow.

The proposed method allows a continuous recording
of absolute value to be made. It has little inertia and
does not require high uniformity of magnetic field
and no toroidal pipe. (Author)
(Nuclear Physics and Nuclear Chemistry, TT, v. 11,
no. 9)

TT-63-23705

I. Zhernovoi, A.
II. Morgantown Coal Research
Center, W. Va.

Office of Technical Services

Variation in the Length of the Combustion Zone
of a Homogeneous Mixture in a Turbulent Flow
as a Function of Pressure, by V. S. Pelevin,
9 pp.

RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol V, No 6,
1962, pp 3-7. 9668339

FTD-TT-62-1744

Sci-phys
apr 63

229,444

63-12183

Sazhin, B. S.

THE BASIC FACTORS GOVERNING THE DRYING OF
PASTE -LIKE MATERIALS UNDER THE CONDITIONS
PREVAILING IN ROTARY RIBBON DRYERS. Oct 62
[6]p. 12 refs.

Order from ICE in v. 2, no. 4 \$15.00/year

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 6, p. 13-20.

DESCRIPTORS: *Dryers, Design, Materials, Mass
transfer, Stresses, Viscosity, *Chemical engineering.

- I. Title: Ribbon driers
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DESCRIPTORS: *Heat transfer, *Mass transfer,
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Boundary layer, Chemical engineering.

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DESCRIPTORS: Chemical engineering, *Pitot tubes,
Measurement, Pressure, Mach number, Viscosity,
Nozzles, Attenuation, *Supersonic flow.

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Mach number, Viscosity, Nozzles, Attenuation,
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