

ANNOTATIONS
of science works published in international magazine
«River transport (XXIst century)» 1(89)'2019

Using paddle wheel on river fleet – efficiently and prospectively? / A. Klementyev, V. Tikhonov, G. Chuplygin, A. Kesler // River transport (XXIst century).2019. – № 1 (89) – p. 28-32.

The continuation of science discussion about actual question of implementation wheel propulsion and steering systems on river fleet.

Key words: propulsion and steering systems, safety, speed, stability, handling, economics, comfort for passengers.

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The accident in 1994 in Permskiy lock: reasons and lessons / M. Kolosov, A. Smirnov // River transport (XXIst century).2019. – № 1 (89) – p. 33-35.

Describes the reasons, essence and consequences of the accident in 1994 in Permskiy lock. Analyses normative documentation for safety of shipping hydraulic structures.

Key words: shipping lock, locks' gates, pressure front breakthrough, safety of hydraulic structures.

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Soil consolidation in lock's base – primary criteria of estimation hydraulic structure's reliability / M. Kolosov, K. Morgunov // River transport (XXIst century).2019. – № 1 (89) – p. 44-47.

Analyses influence of process of changing under load features of soil base of lock (on the example of Gorodetskiy hydrosystem) on its displacements and deformations.

Key words: shipping lock, soil consolidation, deformations of constructions.

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About driveability of sailboat on shallow water limit / V. Sichkarev // River transport (XXIst century).2019. – № 1 (89) – p. 47-49.

The author's analysis of phenomenon discovered while sport sailing races on wooden boats.

Key words: sailboat, shallow water limit, principles of ship control.

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The substantiation of method to prevent icy condition on overhead power line on river transport / B. Palagushkin, Y. Demin, S. Reutov, D. Shmakov, S. Ivashkin, A. Glagolev // River transport (XXIst century).2019. – № 1 (89) – p. 49-52.

Describes the author's principle to prevent icy condition on overhead power line on river transport. Suggests experimental functions for calculation preventive cable heating.

Key words: river transport, overhead power line, icy condition, preventive heating currents, cable,

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About devices for mechanization works while repair ship's propulsion and steering system / L. Arabyan, E. Grigoryev, M. Menzilova // River transport (XXIst century).2019. – № 1 (89) – p.52-55.

Describes the features of created in SSUWT technical devices which allow increasing of effectiveness of fleet service.

Key words: river ship, mechanization of work, propulsion and steering system.

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