

I. General Problems and Informational Materials

- Abashidze, A. I., Method of establishing the dynamic reliability of foundations under turbo- and hydrogenerators. In the book [1]. †
- Babkov, V. F., and A. V. Gerburt-Geibovich, Principles of Soil Science and Soil Mechanics. Vysshaya shkola (1964).
- Bolotin, V. V., Elastic strains of underground pipe lines laid in statistically inhomogeneous soil. Stroitel'naya Mekhanika i Raschet sooruzhenii, No. 1 (1965).
- Blekhman, I. I., and G. Yu. Dzhanelidze, Vibrational Displacement. Nauka (1964).
- Bondarev, P. D., and V. P. Ushkalov, Characteristics of Designing and Constructing Foundations under Permafrost Conditions. Stroiizdat (1964).
- Vibrational Method of Excavating Frozen Soils. Stroiizdat (1965).
- Volnin, B. A., and Tkhai Fung NÉ, Certain results of the deposition of loamy soils. Gidrotekhnicheskoe Stroitel'stvo, No. 3 (1965).
- Davydov, V. V., Use of resins for stabilizing rocks. Ugol'Ukrainy, No. 12 (1964).
- Erzhanov, Zh. S., Theory of Rock Creep and Its Application. Nauka (1964).
- Zolotarev, P. P., and V. N. Nikolaevskii, Propagation of stress and pressure jumps in waterlogged soil. Izv. AN SSSR, Mekhanika, No. 1 (1965).
- Kustov, N. I., Use of permafrost for hydraulic structures. Gornyyi zhurnal, No. 2 (1965).
- Lubnin, A. I., Tokar', R. A., and Yu. G. Trofimenkov, Pile foundations in industrial, civic, and agricultural construction. Byulleten'stroitel'-noi tekhniki, No. 3 (1965).
- Mazurenko, L. V., Investigation of Certain Problems of Pile Grillage Foundations. Author's abstract of candidate's dissertation. Odessa Institute of Naval Engineers (1965).
- Patvardkhan, A. Sh., Creep of Clayey Soils and Its Consideration when Forecasting the Rate of Displacement of Slopes and Embankments. Author's abstract of candidate's dissertation. MISI (1965).
- Perlei, E. M., Change of the true characteristics of external and internal friction of soil motion under the effect of vibrations. Trudy VNIIGS, No. 17. Stroiizdat (1964).
- Puskov, V. I., Deformation of buildings and structures in regions of western Siberia with deep seasonal freezing of soils. Trudy NIIZhT, No. 41 (1965).
- Puskov, V. I., Investigation of the strength of freezing of soils to wood and concrete in the presence of continuous shear. Trudy NIIZhT, No. 41 (1965).
- Raush, É., Machine Foundations. Stroiizdat (1965).
- Semenov, N. G., Dam on the Irelyakh River on weak soils in a zone of perennial frost. Lengidroproekt, Sb. 1 (1964).
- Skvaletskii, E. N., Process of raising the ground water level in loessial soils. Izv. vuzov. Geologiya i razvedka, No. 3 (1965).
- Kharchenko, G., Pile foundations reduce the cost of construction. Na stroikakh Rossii, No. 3 (1965).
- Tsitovich, N. A., Theory and Practice of Foundation Engineering. Stroiizdat (1964).
- Chugaev, R. R., Calculation of the seepage strength of dam bases. Gidrotekhnicheskoe stroitel'stvo, No. 2 (1965).
- Shvets, V. B., Eluvial Soils as Bases of Structures. Stroiizdat (1964).
- Shishkanov, G., and A. Zhmud', Types of foundations and mesh interlayers on slumping soils. Zhilshchnoe stroitel'stvo, No. 2 (1965).

\* Articles published in the journal *Osnovaniya, Fundamenty i Mekhanika Gruntov*, and also publications reviewed in this journal, are not included in the list.

† Here and henceforth, for brevity, the materials of the symposium *Experimental Investigation of Engineering Structures*, No. 4. Leningrad (1965), are designated by [1].

Yudovina, S. A., Experimental Investigation of the Interaction of Electro-osmotic and Gravity Seepage in a Porous Medium. Author's abstract of candidate's dissertation. Leningrad Hydrometeorological Institute (1965).

## II. Methods of Soil Investigation

Amaryan, L. S., and E. T. Bazin, Investigation of pressure and electro-osmotic seepage when compacting peat. *Izv. vuzov. Gornyi zhurnal*, No. 3 (1965).

Amaryan, L. S., and E. T. Bazin, Investigation of permeability of deformable peat. *Izv. vuzov. Stroitel'stvo i arkhitektura*, No. 1 (1965).

Berezkina, G. M., Problem of changing the permeability of cohesive soils from the pressure gradient. *Vestnik Moskovskogo universiteta. Geologiya*, No. 1 (1965).

Vobylev, L. M., Instrument for remote-control measurement and stresses and strains in soils. *Avtomobil'nye dorogi*, No. 3 (1965).

Zlochevskaya, R. I., Determination of the electrokinetic potential in clay soils by the electro-osmotic method. *Vestnik Moskovskogo universiteta. Geologiya*, No. 6 (1964).

Kovalevskii, E. D., Methods of determining the modulus of deformation of vibrating sand soil. In the book: [1].

Konovalov, P. A., Experimental Investigation of the Deformation of Bases under Plates and Foundations of Buildings. Author's abstract of candidate's dissertation. NII osnovanii (1965).

Kuznetsov, G. N., and M. N. Bud'ko, Measurement instruments and methods used in investigating rock pressure on models. *Methods and Instruments for Studying Rock Pressure. Nedra* (1964).

Larionov, A. K., Alekseev, V. M., and Lipson, G. A., Evaluation of the role of macroaggregates in loessial soils. *Izv. vuzov. Stroitel'stvo i arkhitektura*, No. 1 (1965).

Lomize, G. M., and I. N. Ivashchenko, Deformation properties of clay soils and their calculated indexes. *Gidrotekhnicheskoe Stroitel'stvo*, No. 3 (1965).

Margot'ev, A. N., Moduli of elasticity and deformation of stabilized soils. *Avtomobil'nye dorogi*, No. 3 (1965).

Mitin, B. A., Investigation of the kinetics of the saturation of the voids of granular filters. *Izv. vuzov. Stroitel'stvo i arkhitektura*, No. 1 (1965).

Muravskii, G. B., Unsteady oscillations of a load lying on an infinite plate resting on an elastic foundation. *Izv. AN SSSR, Mekhanika*, No. 1 (1965).

Musin, A. Ch., Yu. I. Chebdarova, and L. A. Sarafannikov, New instruments and apparatus for measuring deformation in centrifugal modeling. *Methods and Instruments for Studying Rock Pressure. Nedra* (1964).

Pavlova, N. N., and L. A. Shreiner, Fracturing of Rocks by Dynamic Loading. *Nedra* (1964).

Ratings of Rock Strength and Methods of Their Determination. *Nauka* (1964).

Poltev, N. F., Change of the magnitude of the coefficient of permeability of clay soils in time. *Vestnik Moskovskogo universiteta. Geologiya*, No. 6 (1964).

Prigozhin, E. S., Apparatus for measuring distributed loads on timber. *Methods and Instruments for Studying Rock Pressure. Nedra* (1964).

Pulatov, U. Yu., and P. Ya. Sarukhanov, Mechanical soil sampler for deep sampling of soils of undisturbed structure for bulk specific gravity. *Voprosy gidrotekhnika*, No. 22 (1965).

Savel'ev, V. D., Experimental investigation of passive pressure of a soil mass bounded by an embankment. *Transportnoe stroitel'stvo*, No. 4 (1965).

Solov'ev, Yu. I., Concerning the scale factor in stabilometric strength tests of soil. *Trudy NIIZhT*, No. 41 (1965).

Turchaninov, I. A., Radiometric method of observing displacement and stressed state of rock masses. *Methods and Instruments for Studying Rock Pressure. Nedra* (1964).

Fetisov, M. M., Ė. M. Shmakov, and L. A. Eisler, Measuring device for studying the stability of the skeleton of waterlogged sand under dynamic effects. In the book: [1].

Tsarev, A. I. and A. I. Fel'dman, Reliability of string membrane sensors for measuring earth pressure on structures in full-scale investigations. *Gidrotekhnicheskoe stroitel'stvo*, No. 4 (1965).

Shmakov, Ė. M., and L. A. Eisler, Apparatus for oscillographing displacements and stresses in waterlogged soil under dynamic effects. In the book: [1].

## III. Designing of Bases and Foundations

Aleksandrov, Yu. A., Calculation of the thawing of frozen soil around heat conductors. *Promyshlennoe stroitel'stvo*, No. 3 (1965).

Baklashov, I. V., Calculation of the load on timbers of horizontal workings under free-formation conditions. *Shakhtnoe stroitel'stvo*, No. 3 (1965).

- Bartolomei, A. A., Experimental investigations to determine settlements of pile foundations with a single-row arrangement of the piles. Collection of Scientific Works of the Perm Polytechnic Institute, No. 16 (1964).
- Bartolomei, A. A., A. I. Zhulanov, and V. I. Demeneva, Causes of the deformation of buildings and measures to prevent them. Collection of Scientific Works of the Perm Polytechnic Institute, No. 16 (1964).
- Basov, V., Precast foundations of enlarged components. Na stroikakh Rossii, No. 3 (1965).
- Bulakh, G. D., Approximate calculation of a prismatic beam on a nonideally elastic foundation. In the collection: Ship Repair and Ship Building, No. 3. Ministry of the Navy, USSR (1964).
- Gogolitsina, V. M., and S. A. Frid, Determination of the total earth pressure of fill on the walls of locks. Trudy Lengidoproekt, Sb. 1 (1964).
- Grutman, M. S., Practical methods of calculating foundations on a natural base. Stroitel'stvo i arkhitektura, No. 1 Kiev (1964).
- Zyablitsev, V. Ya., Selection of the distribution function of settlements when modeling elastic foundations. Transactions of the Omsk Institute of Railroad Engineers, No. 48 (1964).
- Ivanov, A. P., Experience of using pile foundations. Transportnoe stroitel'stvo, No. 3 (1965).
- Kamershtein, A. G., and Ya, Z. Skomorovskii, Calculation of the choking of pipe lines in soil. Stroitel'stvo truboprovodov, No. 4 (1965).
- Kovalev, É., Cooling tower of a heat and electric power plant on piles. Na stroikakh Rossii, No. 3 (1965).
- Korieev, N. A., Vertical grading of territories with a zero soil balance. Promyshlennoe stroitel'stvo, No. 3 (1965).
- Lobanov, I. Z., Effect of the inhomogeneity of a soil base on the accuracy of calculating the settlements of engineering structures. Trudy NIIZhT, No. 41 (1965).
- Makaruk, P. N., Investigation of Contact Stresses as a Function of Foundation Rigidity. Author's abstract of candidate's dissertation. AN BSSR, Minsk (1965).
- Methodological Instructions on Static Testing of Short Piles for Pile Foundations of Industrial and Civic Buildings. Izd. Voronezh. univ. (1964).
- Muravskii, G. B., Consideration of the inertial properties of elastic foundations in problems of dynamics. Trudy MIIZhT, No. 193 (1964).
- Muravskii, G. B., Axisymmetric problem of forced vibrations of a plate resting on an elastic foundation. Trudy MIIZhT, No. 193 (1964).
- Muravskii, G. B., Unsteady oscillations of an infinite plate lying on an elastic foundation under the effect of a live load. Trudy MIIZhT, No. 193 (1964).
- Omadze, G. V., Calculation of frames and strip foundations with consideration of their joint work. Transactions of the Georgia Polytechnic Institute, No. 2 (1964).
- Palatnikov, E. A., A Rectangular Plate on an Elastic Foundation. Stroizdat (1964).
- Perich, A. I., Efficient foundation designs. Stroitel'stvo truboprovodov, No. 4 (1964).
- Perlei, E. M., Effect of the method of driving on the bearing capacity of reinforced-concrete pipe piles. Trudy VNIIGS, No. 17. Stroizdat (1964).
- Sazhin, V. S., Determination of the dimensions of the areas of inelastic deformations formed around a square working. Trudy MIREM, Sb. 52, No. 1 (1964).
- Sapronov, R., Foundation girders of thin-walled elements. Zhilishchnoe stroitel'stvo, No. 2 (1965).
- Sobolev, D. N., Calculation of structures lying on a statically inhomogeneous base. Stroitel'naya mekhanika i raschet sooruzhenii, No. 1 (1965).
- Timofeichuk, V. S., Problems of designing hydraulic structures on permafrost soils. Kolyma, No. 2 (1965).
- Instructions on the Design, Construction, and Inspection of Piles with an Underground Tow (RSN130-64), Kiev. NII stroitel'nogo proizvodstva Gosstroya UkrSSR (1965).
- Chernov, Yu. T., Calculation of inhomogeneous anisotropic plates on an elastic Winkler foundation. Stroitel'naya mekhanika i raschet sooruzhenii No. 1 (1965).
- Shishkapov, G. F., Flexible pile foundation. Stroitel'stvo i arkhitektura Uzbekistana, No. 2 (1965).
- Yur'ev, A. G., Calculation of strip foundations undergoing bending based on the limiting deformations of the base. Izv. vuzov. Stroitel'stvo i arkhitektura, No. 2 (1965).
- Yakovlev, A. S., Forces oscillations of an infinite beam with consideration of the inertia of the elastic foundation. Stroitel'naya mekhanika i raschet sooruzhenii No. 1 (1965).

#### IV. Studies in Foundation Engineering

- Abrarkhodzhaev, A., Problem of the mechanization of soil compaction in channels. Voprosy gidrotekhnika, No. 22, Tashkent (1965).

- Agranovskii, G. G., Construction of precast reinforced-concrete foundations under machines. Trudy VNIIGS, No. 17, Stroizdat (1964).
- Unit for Drilling Wells in Rocky Soil. Transportnoe stroitel'stvo, No. 4 (1965).
- Adamovich, A. N., and D. V. Koltunov, Cementation of the bases of hydraulic structures. Energiya (1964).
- Belousov, A. I., Construction of a drop shaft under complex hydrogeological conditions. Promyshlennoe stroitel'stvo, No. 3 (1965).
- Budanov, A., Slumping soils. Na stroikakh Rossii, No. 4 (1965).
- Vyazovikin, V. N., New tubular diesel hammers. NII informatsii stroidorkommunmash, (1964).
- Goncharov, Yu., and V. Koval'chuk, Mechanization of pile driving in permafrost. Zhilishchnoe stroitel'stvo, No. 2 (1965).
- Gubina, N. I. and A. M. Chernukhin, Use of the S-629 hydrovibratory device for compacting sand in the compartments of interlinking piers of the hydroelectric power station building. Gidrotekhnicheskoe stroitel'stvo, No. 2 (1965).
- Zheleznyak, G. F., Placement and quality control of soil when constructing frozen-type dams. Kolyma, No. 1 (1965).
- Instructions on Compacting Slumping Soils by Preliminary Flooding. Stroizdat (1965).
- Klige, N. N., Relationship between physicommechanical soils and specific resistances to excavation by bucket excavators. Stroitel'nye i dorozhnye mashiny, No. 1 (1965).
- Kolokolov, N. M., A. I. Kedrov, A. G. Prokopovich, É. A. Balyuchik, V. A. Belenchenko, and F. I. Suslov, Electro-thermal method of tensioning reinforcement rod of piles. Transportnoe stroitel'stvo, No. 4 (1965).
- Luskin, A. Ya., Vibroimpact jacking units for pile works on mass construction objects. Trudy VNIIGS, No. 17, Stroizdat (1964).
- Marakulin, V. N., A. N. Badulin, and Yu. P. Rachkovskii, Drilling wells in frozen soil for piles. Mekhanizatsiya stroitel'stvo, No. 4 (1965).
- Mshvenieradze, D. M., and R. K. Tkemaladze, Precast foundations with dry bricking of flange blocks. Transactions of the Georgia Polytechnic Institute, No. 2 (1964).
- Ostrovskii, É. M., Mechanical compaction of soils in drainage ditches. Voprosy gidrotekhnika, No. 22. Tashkent (1965).
- Posyada, V., Pile foundations in industrial construction. Promyshlennoe stroitel'stvo i inzhenernye sooruzheniya, No. 1 (1965).
- Pokhodilov, G. A., Experience in construction of pile foundations for power-line supports. Transportnoe stroitel'stvo, No. 4 (1965).
- Rogachev, N. V., Construction of embankments of loessial soils by hydraulic filling. Gidrotekhnika i melioratsiya, No. 3 (1965).
- Svistunov, G., An excavator cuts frozen soil. Nauka i tekhnika, No. 1 (1965).
- Sereda, G., and V. Tokarev, Effective compaction of soils. Stroitel', No. 3 (1965).
- Tseitlin, M. G., Comparative experimental investigation of the effectiveness of vibrodrivers and vibrohammers. Trudy VNIIGS, No. 17. Stroizdat (1964).

#### ERRATA

Calculation of the settlement of deep foundations on clay foundation soils by V. G. Berezantsev (Soil Mechanics and Foundation Engineering, No. 3, 1965).

Replace  $2 - \cos \alpha$  with  $1 - \cos \alpha$  in the denominator of the second formula of (5).