

Appendix

List of Russian Language Publications

Members of the delegation received a number of publications from various persons and agencies during their visit in the Soviet Union. These have been filed with the Highway Research Board in Washington. The list of these titles follows:

1. "Investigations of Frost Heaving of Highways," Edited by N. V. Ornatsky. Moscow, 1941. 428 pp. A series of articles concerning observations of frost boils, laboratory investigations, and experimental designs of preventive measures.
2. Ter-Stepanian, G. I. "Effect of Particle Arrangement on the Shear Process in Soils." Acad. of Sciences of Armenian SSR, Erivan, 1943.
3. Ter-Stepanian, G. I. "On the Accumulative Ridges." Acad. of Sciences of Armenian SSR, Erivan, 1946. 3 pp.
4. Goldstein, M. N. "Deformation of Roadbed and Foundation of Structures During Freezing and Thawing." Inst. of Railroad Transport. Moscow, 1948. 211 pp.
5. Beroulia, A. K., Beroulia, V. I. and Nosich, I. A. "Stability of Roadbed Soils in Steppe Regions." Moscow, 1951, 176 pp.
6. Beroulia, A. K., et al. A Symposium. Publications of the Kharkov Auto-Roads Institute, Kharkov, 1952, No. 13. 186 pp. Twelve articles.
7. A Symposium. Publications of the Kharkov Auto-Road Institute, Kharkov, 1953, No. 14, 127 pp. Eleven articles.
8. Litvinov, I. M. "Soil Investigations under Field Conditions." 2nd Edition, Moscow, 1954. 223 pp.
9. "Program for Course in Soil Mechanics and Foundations," (prepared for students in hydraulic structures). Moscow, 1955. 8 pp.
10. "Program of Study for Course in Foundations." Dept. of Mines, Moscow, 1955. 8 pp.
11. "Instructions for the Determination of the Required Density and Compaction Control of Road Embankments." Ministry of Auto Transport and Roads USSR, Moscow, 1955. 32 pp.
12. Beroulia, A. K. "Roads of Local Materials." Moscow, 1955. 139 pp.
13. Vialov, S. S. "Relation between Stress and Strain of Frozen Grounds under Consideration of the Factor Time." Acad. of Sciences, Moscow, 1956. 4 pp.
14. "Conference Reports on Theory of Design of Beams and Slabs on Compressible Bases (No. 14)." Moscow, 1956. 238 pp.
15. Vialov, S. S. and Tsytoich, N. A. "Estimation of the Bearing Capacity of Cohesive Soils from the Penetration of a Spherical Plunger." Acad. of Sciences, Moscow, 1956. 4 pp.
16. Dalmatov, B. I. "Effect of Frost Heaving of Soils on Foundations of Structures," Leningrad, Moscow, 1957. 59 pp.
17. Ter-Stepanian, G. I. "Investigation of Subsurface Sliding of Slopes." Acad. of Sciences of Armenian SSR, Erivan, 1957. 13 pp.
18. Askalanov, V. V. and Tokin, A. N. "Buildings and Structures from Soil-Cement." Moscow, 1957. 111 pp.
19. Pukavtsov, A. M. and Perley, E. M. "Use of Vibratory Pile Drivers in Industrial Construction." Leningrad, Moscow, 1957. 78 pp.
20. Lukyanov, U. S. and Golovko, M. D. "Analysis of Depth of Soil Freezing." Institute of Transportation Engineering, Moscow, 1957. 165 pp.
21. Beroulia, A. K. and Sidenko, V. M. "Determination of Design Water Contents of the Roadbeds of Autoroads on the Basis of the Theory of Probability," Kharkov Auto-Road Institute, Kharkov, 1958. 36 pp.

22. Beroulia, A. K. "Compaction of Soils and of Road Pavements by Pneumatic-Tired Rollers," Kharkov Auto-Road Institute, Kharkov, 1958. 23 pp.
23. A Symposium Publications of the Kharkov Auto-Road Institute, Kharkov, 1958, No. 21, 184 pp. Seventeen articles.
24. Vastchenko, B. I. "Study of Mixing Soil with Binder in Road Pavement Construction," Kharkov Auto-Road Institute, Kharkov, 1958. 39 pp.
25. "Bulletin of Theoretical and Technical Information." Published by "Hydroproject" (Institute for design of hydro-power plants). Moscow No. 4, 1958. 76 pp. A series of articles on planning and design, investigations, experimental studies, and on actual construction operations of hydroelectric projects.
26. "Bulletin of Theoretical and Technical Information." Published by "Hydroproject" (Institute for design of hydro-power plants). Moscow No. 3, 1958. 123 pp. A series of articles pertaining to various aspects of Lenin and Kuibyshev power plants.
27. Vialov, S. S. "Third Group of Antarctic Explorers." Acad. Sciences, Moscow, 1958. 6 pp.
28. Vialov, S. S. "Lasting Strength of Frozen Soils and Their Bearing Capacity." Acad. of Sciences, Moscow, 1958. 2 pp.
29. "Aspects of Soil Mechanics." Leningrad Civil Engineering Institute. Leningrad, 1958. 203 pp. (A compilation of 10 articles).
30. Ter-Stepanian, G. I. "Classification of Landslide Cracks." Acad. of Sciences of Armenian SSR, Erivan, 1958. 16 pp.
31. "Problems of Design of Slabs on Elastic Foundations." Edited by B. G. Korenev. Acad. of Construction and Architecture, Moscow, 1958. 120 pp. Three articles.
32. Goldstein, M. N. "Generalization of the Equations of the Thermodynamics of Nonreversible Processes." Acad. of Sciences, Moscow, 1958.
33. "Planning and Structural Development of Inhabited Regions of the Far North." Leningrad, 1958. 122 pp.
34. Ornatsky, N. V. "On the Deformability of Water Saturated Soils," 1958. 5 pp.
35. Vialov, S. S. "Regularities of Glacial Shields Movement and the Theory of Plastic Viscous Flow" (In English). 1958. 10 pp.
36. Vialov, S. S. "Regularities of Ice Deformation" (In English). 1958. 9 pp.
37. "A World Record of Sinking Shaft for Mine Nova-Boutirka." Moscow, 1959. 12 pp.
38. "Reports from the USSR to the XIth International Road Congress." Moscow, 1959. 198 pp.
39. A Symposium. Publications of the Kharkov Auto-Road Institute, Kharkov, No. 20, 1959. 183 pp. Twenty articles.
40. "Instructions in the Use of Precast Blocks in Bearing Walls." Committee on Construction of the Cabinet of Ministers. Moscow, 1959. 30 pp.
41. Theoretical and Technical Bulletin "Bases and Foundations." Acad. of Construction and Architecture. Moscow, 1959. No. 22. 40 pp. A series of articles including such subjects as piles, soil pressures on retaining structures, electro-osmotic characteristics of soils, etc.
42. "Automobile Highways" (a magazine). A publication of the Dept. of Construction of Automobile Highways. Moscow. Vol. 12, No. 1 through 9, incl., 1959. Each issue contains articles on various aspects of highway design, construction, maintenance, finance, construction equipment, etc.
43. Proceedings of "Hydroproject" (Institute for design of hydro-power plants). No. 2, 1959. 177 pp. Part I is a series of articles on hydraulic investigations and Part II is analysis and investigation of construction aspects of hydraulic structures.
44. "Bulletin of Theoretical and Technical Information." Published by "Hydroproject." Moscow No. 5, 1959. 88 pp. A series of articles on design and construction of the Stalingrad hydroelectric system, and also articles on re-

- lated problems including one on shear resistance of clay.
45. "Artificial Foundations of Structures." Acad. of Construction and Architecture. Moscow, 1959. 68 pp. Some of the six articles concern artificial freezing of soils.
 46. "Problems of Construction on Macroporous Settling Soils." Acad. of Construction and Architecture. Moscow, 1959. 75 pp. A series of five articles.
 47. Gorbounov-Possadov, M. I. "Tables for the Design of Thin Slabs on Elastic Foundations." Moscow, 1959. 98 pp.
 48. Ukhov, S. B. "Artificial Salting of Clay Soils for Winter Construction." Novosibirsk, 1959. 13 pp.
 49. "Reports of Conference on Rational Methods of Foundation Construction on Permafrost." Acad. of Construction and Architecture. Moscow, 1959. 132 pp. A series of 17 articles.
 50. Tatarnikov, B. P. "Low-Frequency (Resonance) Vibrator for Driving Thin - Shelled Reinforced Concrete Cylinders." Leningrad Inst. for Railroad Engineers. Leningrad, 1959. 18 pp.
 51. Goldstein, M. N. and Gutman, E. M. "Effect of High Frequency Ultrasonic Field on Plastic Paste." Acad. of Sciences. Moscow, 1959. 4 pp.
 52. "Instructions on Surface Compaction of Soil in the Foundations of Buildings and Industrial Structures by Means of Heavy Rammers." Committee on Construction of the Council of Ministers. Moscow, 1959. 30 pp.
 53. "Instructions for Depth Compaction of Macroporous or Loess Soils (Subject to Settling) by Means of Piles in the Foundations of Buildings and Structures." Committee on Construction of the Council of Ministers. Moscow, 1959. 36 pp. (A manual and specifications on such construction.)
 54. "Technical Conditions for Design and Construction of Earth Fill Dams from Dense Clay." Ministry of Construction. Leningrad, 1959. 45 pp. (A manual and specifications on such construction.)
 55. Askalonov, V. V. "Stabilization by Silicates of Loess Soils." Moscow, 1959. 78 pp.
 56. Turovskaya, A. Ya. "Investigation of Strength of Primary Kaolin." Dept. of Transportation, Dnepropetrovsk, 1959. 20 pp.
 57. Baranov, D. S. "Measuring Instruments and Methods and Some Results of Investigation of Pressure Distribution in Sandy Soil." Acad. of Constr. and Arch. Moscow, 1959. 62 pp.
 58. "Principles of Geocryology (Frost Science) Vol. I: General Geocryology." Acad. of Sciences. Moscow, 1959. 459 pp. Contains 13 chapters prepared cooperatively by many workers in this field.
 59. "Principles of Geocryology (Frost Science), Vol. II: Engineering Geocryology." Acad. of Sciences. Moscow, 1959. 365 pp. Contains 13 chapters.
 60. Sergeev, E. M. "Soil Science." Moscow University Press, 1959. 334 pp.
 61. Drannikov, A. M. "Engineering Geology." Gosstroyizdat, Ukrainian SSR. Kiev, 1959. 223 pp.
 62. Mkhitaryan, A. M. "Hydraulics and Principles of Gas Dynamics." Gos-tekhizdat. Kiev, 1959. 279 pp.
 63. "Laboratory Manual on Soil Mechanics." Issued by Moscow Civil Engineering Institute. 20 pp.

The Soviet Delegation, at the time of its visit to Washington in June 1959, presented a number of publications to the Highway Research Board. These are also on file. This list of titles follows:

1. "Instructions on the Strengthening and Reconstruction of Reinforced Concrete Structures by the Method of Engineer I. M. Litvinov." (Youzh. N. I. I.) Kharkov, 1948. 38 pp.
2. Gorbounov-Possadov, M. I. and Krechmer, V. V. "Graphs for Stability Computations of Foundations." State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow 1951. 56 pp.

3. Litvinov, I. M. "Apparatus for the Testing of Soils in Shear Under Field Conditions." (Youzh. N. I. I.) Published by Academy of Architecture, Ukrainian SSR. Kiev, 1954. 34 pp.
4. Litvinov, I. M. "Equipment for Soil Studies Under Field Conditions." (Youzh. N. I. I.) Published by Academy of Architecture, Ukrainian SSR. Kiev, 1954. 28 pp.
5. Litvinov, I. M. "Apparatus for Accelerated Determination of Basic Physical Characteristics of Soils for the Control of the Quality of Production of Earthworks." (Youzh. N. I. I.) Published by Academy of Architecture, Ukrainian SSR. Kiev, 1954. 23 pp.
6. "Drying Oven for Field Investigations." (Youzh. N. I. I.) Published by Academy of Architecture, Ukrainian SSR. Kiev, 1954. 26 pp.
7. "Gages System I. M. Litvinov for the Measurement of Cracks in Building Structures." (Youzh. N. I. I.) Southern Scientific-Research Institute on Construction. Published by Academy of Architecture, Ukrainian SSR. Kiev, 1954. 10 pp.
8. Litvinov, I. M. "Soil Investigations Under Field Conditions." Second Edition—Amplified. Ougletehizdat. Moscow, 1954. 223 pp.
9. Vialov, S. S. and Tsytoovich, N. A. "Reports (DOKLADY) Academy of Sciences, USSR, 1955. Vol. 104—No. 4." Reprint of pages 527 to 529, paper: "Cohesion of Frozen Soils." Pages 1193 to 1196, paper: "Estimation of the Bearing Capacity of Cohesive Soils from the Penetration of a Spherical Plunger."
10. "Deformations of Soils at Freezing and Thawing." Publication No. 26 (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1955. 95 pp.
11. Litvinov, I. M. "Thermic Stabilization of Collapsible Loess and Other Soils in the Bases of Various Buildings and Structures." Published by Academy of Architecture, Ukrainian SSR. Kiev, 1955. 55 pp.
12. Vialov, S. S. and Tsytoovich, N. A. "Reports (DOKLADY) Academy of Sciences USSR 1956. Vol. 111—No. 6." Pages 1193 to 1196, paper: "Estimation of the Bearing Capacity of Cohesive Soils from the Penetration of a Spherical Plunger."
13. Tsytoovich, N. A. "Reports (DOKLADY) Academy of Sciences, USSR 1956. Vol. 111—No. 5." Reprint of pages 965 to 968, Paper: "On the Determination of the Forces of Adhesion of Cohesive Soils by the Ball Test Method."
14. Vialov, S. S. "Reports (DOKLADY) Academy of Sciences USSR 1956. Vol. 108—No. 6." Reprint of pages 149-152, Paper: "Relationship Between Stress and Strain of Frozen Grounds under Consideration of the Factor 'Time'."
15. "Instructions for Investigations of Construction Properties of Soils in Field Laboratories System of I. M. Litvinov." State Publishing House of Literature on Construction and Architecture. Moscow, 1956. 54 pp.
16. "Instructions on the Thermic Stabilization of Collapsible Microporous (Loess) Soils." State Publishing House of Literature on Construction and Architecture. Moscow, 1956. 31 pp.
17. Bezruk, V. M. "Theoretical Basis of Soil Stabilization by Cements." (SOYUZDORNII) Scientific - Technical Publishing House of Autotransport Literature. Moscow, 1956. 248 pp.
18. Tsytoovich, N. A. Reprint of Article (in English) "The Fundamentals of Frozen Ground Mechanics (New Investigations)." Proceedings, Fourth International Conference on Soil Mechanics and Foundation Engineering, London, 1957.
19. "Instructions for the Selection of Road Flexible Pavement Designs." (GLAVDORSTROY) Scientific and Technical Publishing House of Autotransport Literature. Moscow, 1957. 71 pp.
20. Khalizev, E. P. "Selection of the Optimum Regime for Work of Hydro-Mechanical Installations in Caissons." (NIIOPS) State Publishing House of Literature on Construction, Architecture, and Construction Materials. Moscow, 1957. 52 pp.

21. Harhouta, N. I. and Vassiliev, U. M. "Deformations of Soils in Road Embankment Fills." (SOYUZDORNII) Scientific-Technical Publishing House of Autotransport Literature. Moscow, 1957. 73 pp.
22. Ivanov, N. N. "Construction of Automobile Roads—Part II: Construction of Road Pavements." Scientific-Technical Publishing House of Autotransport Literature. Moscow, 1957. 338 pp.
23. "Data on Laboratory Studies of Frozen Soils." Publication No. 3 Academy of Sciences, USSR. Moscow, 1957. 324 pp.
24. Tsytovich, N. A. "On the Design of Foundations for Limit Conditions of Soil Bases." Reprint from book of scientific reports of the Czech Polytechnical Institute in honor of the 250th Anniversary. Prague, 1958 (in Russian).
25. Oushkalov, B. P. "Data Concerning Fundamentals of the Science of Frozen Zones of the Earth's Crust." Published by Academy of Sciences USSR. Moscow, 1958. Reprint pages 50-87 inclusive, article, "Depth of Thawing of Frozen Soils Under Structures and Its Limiting Permissible Values."
26. "Problems of Investigation of Soil-Bases of Structures." Publication No. 33. (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 100 pp.
27. "Soil Mechanics." Publication No. 34. (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 123 pp.
28. Efremov, M. G. "Vibro Method of Sinking Geological Reconnaissance Bore Holes." (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 43 pp.
29. "Instructions for the Determination of the Relative Compression of Frozen Soils When Thawed Under Pressure." (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 15 pp.
30. "Construction of Road Bases and Pavements Over Saline Soils and Gravel Materials Treated by Bitumens and Tars." (SOYUZDORNII) Scientific and Technical Publishing House of Autotransport Literature. Moscow, 1958. 208 pp.
31. "Instructions on the Vibro Method of Sinking Geological Exploratory Bore Holes for Construction Purposes." State Publishing House of Literature on Construction and Architecture. Moscow, 1958. 52 pp.
32. "Ground Water Level Lowering by Light Wellpoint Installations and by Ejector Wellpoints." (Construction Manual) State Publishing House of Literature on Construction and Architecture. Moscow, 1958. 110 pp.
33. "Temporary Technical Instructions for the Constructions of Tunnels by the Shield Method." State Publishing House of Literature on Construction and Architecture. Moscow, 1958. 180 pp.
34. "Instructions for the Determination of the Design Depth of Thawing of Frozen Soils in the Bases of Structures and on the Determination of Design Thermo-Physical Coefficients of Soils." (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 18 pp.
35. "Temporary Instructions on the Dewatering of Construction Cofferdams in Clayey Soils by the Use of Wellpoint Stabilization and Direct Electrical Current." (NIIOPS) State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow 1958. 16 pp.
36. "Instructions on the Use in Road and Airfield Construction of Soils Stabilized by Binding Materials." S.N.—25-58. State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1958. 69 pp.
37. Silin, K. S., Glotov, N. M., Gretsov, A. E., Kappinsky, V. I. and Prohorov, A. D. "Bridge Pier Foundations of

- Composite Reinforced Concrete Cylinders." State Transport Publishing House. Moscow, 1958. 200 pp.
38. "Bases, Foundations, Soil Mechanics." Scientific-Technical Journal of the State Committee of the Council of Ministers USSR on Construction Methods. No. 1—1959 (First issue). Moscow. 32 pp. *Note:* Contains several articles and (pages 27-28) gives the membership of the technical committees of the Commission (National Association USSR) on Soil Mechanics and Foundation Engineering KOMGF.
 39. Same publication. No. 2—1959. 33 pp.
 40. Same publication. No. 3—1959. 32 pp. (Most of the issue is devoted to articles on permafrost construction.)
 41. "Transport Construction." Journal of the Ministry of Transport Construction. No. 1. January 1959 (Ninth year of publication). Moscow. 65 pp.
 42. Same publication. No. 3—March 1959. 65 pp.
 43. Same publication. No. 4—April 1959. 65 pp.
 44. "Journal of the Academy of Construction and Architecture, Ukrainian SSR" (in Ukrainian language). No. 1—1959. Kiev, 1959. 98 pp. *Note:* Contains two page summaries of the articles of the issue in the Chinese, English, French and German languages. Also 3-page list (in Ukrainian) of all members of the Academy and of its dependent organizations.
 45. Litvinov, I. M. "Basic Requirements for the Design and Performance of Work on Thermic Soil Stabilization." Published by Academy of Construction and Architecture, Ukrainian SSR. Kiev, 1959. 54 pp.
 46. Korsounsky, M. B. "Inspection and Evaluation of the Strength of Roads with Flexible Pavements." (SOYUZDORNII) Scientific-Technical Publishing House of the Ministry of Automobile Transport and Paved Roads, RSFSR. Moscow, 1959. 64 pp.
 47. "Instructions on the Organization and Performance of Observations Related to Changes in the Water Temperature Regime of Permanently Frozen Grounds for Purposes of Foundation Construction." State Publishing House of Literature on Construction, Architecture and Construction Materials. Moscow, 1959. 27 pp.
 48. Vinokourov, F. P., Teterkin, A. E. and Piterman, M. A. "Peat in Construction Work." Published by Academy of Sciences BSSR, Minsk, 1959. 241 pp.
 49. Ornatsky, Prof. N. V. (General Editor). "Studies of Strength of Road Pavements." (SOYUZDORNII) Scientific-Technical Publishing House of the Ministry of Automobile Transport and of Paved Roads RSFSR. Moscow, 1959. 200 pp.
 50. "Reports from USSR to the XIth International Road Transport Congress." (Rio de Janeiro 1959) Scientific-Technical Publishing House of the Ministry of Automobile Transport and of Paved Roads of the RSFSR. Moscow, 1959. 128 pp.
 51. Vialov, S. S. and Egorov, N. I. "Book of Articles on Engineering Permafrost Studies." Vol. XIV Academy of Sciences USSR. Reprint pages 40-55 inclusive, paper "Experimental Determination of Frost Heaving of Soils."

Dr. Tschebotarioff, a member of the delegation, has also acquired a large number of Russian language publications on soil mechanics and foundation engineering. Some, but not all, of these were obtained on the exchange visit. These publications have been loaned by Dr. Tschebotarioff to the Library of the River and Harbor Section, Department of Civil Engineering, Princeton University, Princeton, New Jersey. That library can supply microfilms or photostats thereof at cost to interested persons or send originals on usual terms for inter-library loans.

1. Pouzirevskaya, T. N. "Seepage of Water Through Sandy Soils." Transactions of the Scientific Research Institute of Hydrotechnics, Vol. I, Oct. 1931. Pp. 251-256 (photostat).
2. Tsytovich, N. A. "Fundamentals of Soil Mechanics." Leningrad, 1934. 307 pp.
3. Kisselyov, V. A. "Beams and Frames on an Elastic Base." Moscow, 1936. 228 pp. (Photostat of Table of Contents and of pp. 13-27.)
4. Gersevanov, N. M. "Fundamentals of the Dynamics of a Soil Mass." Moscow, 1937. 242 pp., 3rd edition.
5. Florin, V. A. "Determination of Instantaneous Stresses in the Skeleton of a Soil Mass." Doklady, Academy of Sciences, USSR, 1937, Vol. XVI, No. 8. Pp. 395-398 (photostat).
6. Florin, V. A. "On the Problem of Hydrodynamic Stresses in a Soil Mass." Pamphlet of Glavgidroenergostroy. Leningrad, 1938. 54 pp.
7. Abeleff, Y. M. et al. Symposium: "Construction on Loessial Soils." Moscow, 1939. 288 pp.
8. Ornatsky, N. V. et al. Symposium: "Studies of Frost Boils on Automobile Roads." Moscow, DORNII, 1941. 428 pp.
9. Deryagin, B. V. and Krylov, N. A. "Anomalous Phenomena During Flow of Liquids Through Rigid Filters with Narrow Pores." Academy of Sciences, USSR, Institute of Machine Studies. 2 pp. (photostat).
10. Denisov, N. J. and Reh binder, P. A. "On the Colloido-Chemical Nature of the Cohesion in Argillaceous Rocks." Doklady, Academy of Sciences USSR, 1946, Vol. LIV, No. 6. Pp. 523-526 (photostat).
11. Ditto, English language Reprint (marked pp. 519-522).
12. Denisov, N. J. "On the Stage-Wise Deformations of Argillaceous Rocks." Doklady, Academy of Sciences USSR, Vol. LVI, No. 1, 1947. Pp. 73-76 (English language Reprint).
13. Reltov, B. F. "Settlement Phenomena in Cohesive Water-Saturated Soils." Transactions of the Scientific Research Institute of Hydrotechnics, Vol. 33, 1947. Pp. 5-23 (photostat).
14. Florin, V. A. "Consolidation Problems of Soil Masses." Transactions of the Scientific Research Institute of Hydrotechnics, Vol. 34, 1947. Pp. 133-146 (reprint).
15. YOUZHNII* "Instructions for the Strengthening and Reconstruction of Reinforced Concrete, Structures by the Method of Engineer I. M. Litvinov." Kharkov, 1948. Pamphlet, 38 pp.
16. Doubelir, G. D. and Korneyev. "Construction of Roadbeds in Slide and Rockfall Areas." DORIZDAT, Moscow, 1948. 137 pp.
17. Florin, V. A. "Some Simplest Non-linear Consolidation Problems of a Water-Saturated Soil Medium." Izvestia, Academy of Sciences USSR, Section of Technical Sciences, No. 9, 1948. Pp. 1389-1402 (reprint).
18. Gorbounov-Possadov, M. I. "Beams and Slabs on an Elastic Base." Mashstroyizdat, Moscow, 1949. 233 pp.
19. Schelkachov, V. N. and Lapouk, B. B. "Underground Hydraulics," Edited by Academician L. S. Leibensohn. Moscow, 1949. 523 pp.
20. Byelyi, L. D. et al. Symposium: "Engineering-Geological Studies for Hydro-Power Construction." Gosgeolizdat, Moscow, 1950, Vol. I. 320 pp.
21. Ditto, Vol. II. 354 pp.
22. Ornatski, N. V. "Soil Mechanics." (A Textbook for Geologists) Moscow University Publication, 1950. 420 pp.
23. Pilgounova, Z. V. "Method of Mathematical Statistics for Determination of Average Shearing Resistance Value of Clay Soils." (Publication not given.) Pp. 233-242 (reprint).
24. Goldstein, M. N. "Model Studies of Deformation of Base during Freezing." (Publication not given.) Pp. 296-311 (reprint).
25. Rosa, S. A. "Settlements of Hydro-technical Structures on Clays of Low Humidity." Gidrotechnicheskoye

* YOUZHNII is the abbreviation for: "Southern Scientific Research Construction Institute."

- Stroitelstvo, No. 9, 1950. Pp. 25-30 (photostat).
26. Goloubkov, V. N. "Bearing Capacity of Pile Foundations." Mashstroyizdat, Moscow, 1950. 142 pp.
 27. Florin, V. A. "Consolidation of Earth Media and Seepage under Conditions of Variable Porosity and Consideration of the Influence of Bound Water." Izvestia, Academy of Sciences USSR, Section of Technical Sciences, 1951, No. 11. Pp. 1625-1649 (reprint).
 28. Gorbounov-Possadov, M. I. and Krechmer, V. V. "Graphs for the Design of Foundation Stability." Moscow, 1951. 56 pp.
 29. Denisov, N. J. "Construction Properties of Loess and of Loessial Loams." Moscow, 1953. 154 pp.
 30. Florin, V. A. "One-Dimensional Consolidation Problem of Compressible Creeping Earth Media." Izvestia, Academy of Sciences USSR, Section of Technical Sciences, 1953, No. 6. Pp. 797-812 (reprint).
 31. Florin, V. A. "One-Dimensional Consolidation Problem under Consideration of Aging, of Non-Linear Creep and of Destruction of Structure." Izvestia, Academy of Sciences USSR, 1953, No. 9. Pp. 1229-1234 (reprint).
 32. Goldstein, M. N. et al. "Problems of Geotechnics." Moscow, 1953. 228 pp.
 33. Ouginchouss, A. A. "Canals and Structures Thereon." Moscow, 1953. 392 pp.
 34. Gorbounov-Possadov, M. I. "Design of Structures on an Elastic Base." Gosstroyizdat. Moscow, 1953. 516 pp.
 35. Litvinov, I. M. "Soil Investigations under Field Conditions," 2nd edition. Ougletechizdat. Moscow, 1954. 223 pp.
 36. Litvinov, I. M. "Apparatus for Soil Investigations under Field Conditions." YOUZHNII. Kiev, 1954. 28 pp.
 37. Litvinov, I. M. "Apparatus for Accelerated Determination of Fundamental Physical Properties of Soils during Quality Control of Earth-works." YOUZHNII. Kiev, 1954. 23 pp.
 38. Litvinov, I. M. "Apparatus for Shear Testing of Soils under Field Conditions." YOUZHNII. Kiev, 1954. 33 pp.
 39. Litvinov, I. M. "Drying Oven for Field Investigations." YOUZHNII. Kiev, 1954.
 40. YOUZHNII. "Gages System I. M. Litvinov for the Measurement of Cracks in Structures." Kiev, 1954. 9 pp.
 41. Ouginchouss, A. A. and Bombchinsky, V. P. "Equipment for Control Measurements on Hydrotechnical Structures." Moscow, 1954. 259 pp.
 42. Popov, I. V. "Summary of Conference on Engineering-Geological Studies of Soil Deposits." (Publication not given.) 1954. 3 pp. (reprint).
 43. Litvinov, I. M. "Thermic Stabilization of Settling Loess and other Soils in the Bases of Buildings and Structures." YOUZHNII. Kiev, 1955, 55 pp.
 44. Ornatsky, N. V., Sergeev, E. M. and Shechtman, Y. M. "Study of the Process of Colmatation of Sands." Moscow University, 1955. 182 pp.
 45. Barkan, D. P. et al. A Symposium: "Conference to Report on Scientific Research Work in 1954." (Summary of papers and reports presented.) Scientific Research Institute on Foundations, Moscow, 1955.
 46. "Rules and Technical Specifications for the Design of Natural Bases of Buildings and Industrial Structures." State Construction Committee of the Council of Ministers USSR. Moscow, 1955.
 47. "Instructions for the Determination of the Required Density and Compaction Control of Road Embankments." Ministry of Auto Transport and Roads USSR. Moscow, 1955. 32 pp. (photostat).
 48. Vassiliev, B. D. "Bases and Foundations." Leningrad, 1955. 383 pp.
 49. Masslov, N. N. "Stability Conditions of Slopes in Hydro-Power Construction." Gossenergoizdat. Moscow, 1955. 468 pp.
 50. Savinov, O. A. "Machine Foundations." Leningrad, 1955. 292 pp.

51. Kisselev, M. F. et al. A Symposium (No. 26): "Soil Deformations during Freezing and Thawing." The Scientific-Research Institute on Foundations. Moscow, 1955. 99 pp.
52. Barkan, D. D. et al. A Symposium (No. 27): "Soil Dynamics." The Scientific-Research Institute on Foundations. Moscow, 1955. 80 pp.
53. Popov, I. V. "The Role and Conditions for the Use of Mechanics in Geology." Report at the Scientific Anniversary Session of the Moscow State University in 1955. Pp. 5-14 (reprint).
54. "Program for Course on Bases and Foundations" (for Civil Engineering students specializing in industrial and housing construction). Moscow, 1955. 8 pp.
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