CHRONICLE

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The following papers will be published in the June issue of *Opticheskii Zhurnal* (Journal of Optical Technology), vol. 76, no. 6, 2009.

Physical Optics. Time-Resolved Mechanical Luminescence of Optical

Materials (R.K. Mamedov, R.I. Mamalimov, V.I. Vettegren', and I.P. Shcherbakov).

Laser Physics and Technology. The Use of KTP Crystal Modulators in High-Average-Power Nd:YAG Lasers (V.A. Rusov, V.A. Serebryakov, A.B. Kaplun, and A.V. Gorchakov); Solid-Phase Fullerene C₆₀-Based Photosensitizers for Photodynamic Virus Inactivation in Biological Liquids (I.M. Belousova, O.B. Danilov, T.D. Murav'eva, I.M. Kislyakov, V.V. Ryl'kov, T.K. Kris'ko, O.I. Kiselev, V.V. Zarubaev, A.K. Sirotkin, and L.B. Piotrovskii); Self-Oscillatory Instability in Laser Systems with the Active Medium Moving in a Spatially Periodic Field (L.S. Kuz'minskiĭ, A.I. Odintsov, N.E. Sarkarov, and A.I. Fedoseev).

Holography. Specific Features of the Diffraction of Femtosecond Pulsed Radiation by a Volumetric Transmission Holographic Grating (N.V. Ionina).

Optical Materials Science and Technology. Luminescence Mechanisms of Zinc Oxide Layers Produced by Isovalent Substitution (V.P. Makhniĭ, M.M. Sletov, and S.V. Khusnutdinov); Radiation Resistance and Persistence of CsI:Tl Crystals Additionally Doped with NO₂ Ions (B.V. Grinev, B.G. Zaslavskii, Yu.A. Borodenko, A.I. Mitichkin, S.I. Vasetskiĭ, and A.V. Didenko).

Practical Manufacturing Problems. Feasibility Study of the Enhancement of Strength Characteristics of Glued Optical Assemblies with a High Gradient of Linear Thermal Expansion Coefficients (V.V. Potelov).

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