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DESCRIPTORS: *Oxide cathodes, *Cathodes (Electron tubes), *Potential theory, Temperature, Distribution, Equations, Electronics, Electric currents, Load distribution.

Maximal permissible load of the cathode increases as specific gravity of the oxide layer becomes larger (porosity decreases). Specific resistance (ρ) decreases. As permissible load increases, i.e. at increased temperatures and improved activity of the (Engineering--Electronic, TT, v. 10, no. 4) (over)

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DESCRIPTORS: *Hydrocarbons, Synthesis, Nickel, Cobalt, Aluminum, Catalysts, Chemical reactions, *Alcohols, *Acids, *Water, Chemical analysis.

The products of interaction of carbon monoxide with hydrogen under atmospheric pressure in the presence of a nickel-cobalt-aluminum catalyst at 180-190°C contain not only hydrocarbons and small amounts of acids, but also aliphatic alcohols and aldehydes soluble in water. From the reaction water 0.15-0.37% neutral (Chemistry--Organic, TT, v. 6, no. 10) (over)

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DESCRIPTORS: *Propenes, Polymerization, Reaction, Kinetics, Catalysts, *Complex compounds, *Titanium compounds, Chlorides, *Metalorganic compounds, *Aluminum compounds.

The polymerization of propylene under the influence of α-$TiCl_3$ and various AlR_3 compounds was investigated. The aluminum compounds were $Al(C_2H_5)_3$ (over)
(Chemistry--Physical, TT, v. 9, no. 5)

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