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The pressor compounds of the pituitary gland.By **ALBERT C. CRAWFORD** and **ZENO OSTENBERG**.*[From the Division of Pharmacology, Stanford University Medical School.]*

The pituitary gland of cattle contains several pressor principles, one or more of which dialyze and at least one which does not dialyze through parchment paper. The non-dialyzable compound or compounds can be purified by lead subacetate and the filtrate, freed from lead, does not give the biuret reaction, at least in dilutions which give a pressor reaction, but yields a white benzoate (Baumann-Schotten method). The depressor principle readily dialyzes, but apparently depressor compounds form on long standing of the non-dialyzable portion.

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Note on the action of epinephrin on the guinea-pig uterus.By **E. BARBARA WILL** and **ALBERT C. CRAWFORD**.*[From the Division of Pharmacology, Stanford University Medical School.]*

On the isolated horn of the non-pregnant guinea-pig uterus suspended in oxygenated Locke's solution (Dale's modification), epinephrin (0.9 mg. in 500 c.c. at 41° C.) produced relaxation. Longitudinal strips also relaxed. Circular strips gave slight imperfect contractions. Direct inspection of the intact uterus showed that the intravenous injection of epinephrin produced blanching with contraction of the circular fibers. Diminution in the diameter of the horn and elongation was observed. This would suggest that the difference in action of epinephrin on the