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MR-1004-1

February 7, 1967

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ORGANIC CHEMICALS DEPARTMENT
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N-7451

PROPOSED ADDITIONAL TOXICITY STUDIES ON LEAD
Lead Review Meeting, January 6, 1967

In our review of the toxicological studies on lead currently in progress at Haskell, it was agreed that we would propose additional studies for your consideration. These proposed studies have grown out of our own investigations and are directed toward evaluating effects at levels which exceed the highest dietary level of lead (500 ppm) being fed to rats and dogs under Medical Research Project No. MR-787.

The proposed studies are listed below:

- MR-999*
1. Continue the rat reproduction study being conducted at dietary levels of 0, 1000 and 2000 ppm Pb. The F₁b generation has been cast. Our proposal is to continue to F₃b and examine tissues histologically. Estimated cost \$8000.
- R-998*
2. Continue feeding of groups of male and female rats which have been receiving diets containing 0, 1000, 2000, and 5000 (males only) ppm of lead for 9 months. Our proposal is to carry out clinical laboratory analyses and determine lead levels in urine and feces. Estimated cost \$3500.
- MR-1004*
3. In view of the fact that rats fed 500 ppm lead have shown increased urinary excretion of delta-aminolevulinic acid (DALA), we propose to survey TEL personnel for DALA. Estimated cost for 100 controls and 100 TEL workers: \$1600.

If the above suggestions receive Orchem's approval, Medical Research Projects will be submitted for signatures.

ORIGINAL SIGNED BY

J. WESLEY CLAYTON, Jr.

J. WESLEY CLAYTON, JR.
ASSISTANT DIRECTOR

JWC:bjd