

ILZRO PROJECT SUMMARY

Issue Date:
August 1967

PROJECT NO. LH-11A TITLE Neurophysiological Effects from Lead Exposure
PREVIOUS IDENTIFICATION ULM-6 Neurophysiological Effects from Lead Exposure
CONTRACTOR none

CURRENT CONTRACT none

CUMULATIVE EXPENSES (to July 31, 1967) none

1968 PROPOSED OR CONTRACT PRICE \$15,000

1968 AUTHORIZATION

1967 & Prior Authorizations Uncommitted	\$7,500
1968 Proposed Authorization	none
Undesignated Research Authorization	none
1968 Proposed or Contract Price	\$15,000 (ILZRO \$7,500; TEL \$7,500)

MARKET APPLICATIONS Direct to gasoline additive, and indirectly to most other uses of lead.

OBJECTIVE To test the effects of subclinical amounts of lead administered to rats by inhalation and ingestion on central nervous system response.

RESEARCH REVIEW

1. Current Status This is a new program in the planning stage and a contractor has not yet been selected. We are attempting to obtain a single contractor for this project plus LH-112 and LH-113 to minimize costs.
2. Projected Research Using measurements of conditioned reflex activity as reported in the Russian literature, test the reactions in animal subjects who have been exposed to amounts of lead so low that no ordinary effect is obtained. The necessity for this type of investigation is clearly pointed out in the present allegations that lead exposure results in all sorts of mental and nervous stresses, even when that exposure is to very low amounts.
3. Reports Issued
 - a. Progress Reports - not applicable
 - b. Progressal - Neurophysiological Effects from Lead Exposure, received February 1966, circulated February 21, 1966.
 - c. Work Statement - none

DEVELOPMENT REVIEW

1. Pilot Production - not applicable
2. Consumer Evaluation - not applicable
3. Licensing Activities - not applicable
4. Patents - not applicable
5. Publications
 - a. ILZRO - none
 - b. Development associations - none

ECONOMIC IMPACTIVE

1. Market - maintain world market.
2. Applications and Market Volume - Use as gasoline additive.
3. Rise of Market Infighting - 450,000 tons of lead in U.S. and 51,000 tons in Europe.
4. Competitive Threat - Change refining techniques to eliminate lead additives.