

WASHINGTON  UNIVERSITY

SCHOOL OF MEDICINE
SAINT LOUIS (10), MO.

DEPARTMENT OF BIOLOGICAL CHEMISTRY
EUCLID AVENUE AND KINGSHIGHWAY

February 15, 1951

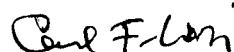
Dr. Arthur Kornberg
Public Health Service
National Institutes of Health
Bethesda 14, Maryland

Dear Arthur:

I read your abstract in Fed. Proc. 1950 again, after Gerty told me about your interest in the adenylic effect on the DPN specific "isocitric dehydrogenase" in yeast. You have undoubtedly considered this, but for my own information, could isocitric be decarboxylated first, leaving α -hydroxyglutaric acid, followed by dehydrogenation over DPN. In other words, have you tried α -hydroxyglutaric acid + DPN \rightleftharpoons α -ketoglutaric acid + DPNH to the right (or to the left, if equilibrium not too unfavorable).

Best regards,

Sincerely,



Carl F. Cori

OFC:jgr

P.S. Adenylic could act by "laying on of hands;" at least, that is what we say about its action on phosphorylase. What mysterious creatures enzymes are.