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DESCRIPTORS: *Amino acids, *Oxidases, *Plants
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Respiration, Tissues (Biology), Vegetables,
Biochemistry.

The data obtained confirm that amino acid oxidases
play an important role in the defensive reactions of
cabbage tissue to the fungus *B. cinerea* and products of
its vital activities. (Author)

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DESCRIPTORS: *Phenols, *Oxidases, Plants (Botany),
Diseases, Tissues (Biology), *Cotton, *Fungus
Infections, Actinomyces, Resistance, Enzymes.

The increase in the content of polyphenols which is
observed simultaneously with activation of the enzymes
catalyzing their oxidation is an example of a defensive
reaction which has been developed and intensified in
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DESCRIPTORS: Oxidation, Synthesis, *Phenols,
Resistance, *Potatoes, *Fungus infections, Peroxidase,
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In potatoes which are distinctively resistant to the
fungus *Phytophthora* (potato variety 12994) the respira-
tion rate and peroxidase activity are higher than in
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2. Title: Potato blight
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DESCRIPTORS: *Oxidation, *Plants (Botany), Diseases,
*Immunity, Fungus Infections, Microorganisms,
Metabolism, Oxidases.

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Biologicheskaya) 1959 [v. 24] no. 2, p. 257-264.

DESCRIPTORS: *Hexoses, Phosphates, *Phosphoryla-
tion, Dehydrogenases, Glucose, Enzymes, *Potatoes,
Plants (Botany), Diseases, *Immunity, Respiration.

Potato tubers have an enzymatic system for apotomic
oxidation. During the entire storage period glucose-6-
phosphate and 6-phosphogluconate dehydrogenases
show the same kind of changes in activity as does the
general respiration rate. Apotomic oxidation was
found in the mycelia of the pathogenic fungus
Phytophthora infestans. When potato tubers are arti-
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MLL Ref: S828.4F (M.7496)

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DESCRIPTORS: *electron microscopy, *Pulp, *Wood
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Department of Justice - Federal Bureau of Investigation
At Chicago, Illinois - Bureau Office, by
Special Agent in Charge
CHICAGO, ILL., 2 May 1964
APC-77-277

Re: JAMES A. EARL
aka

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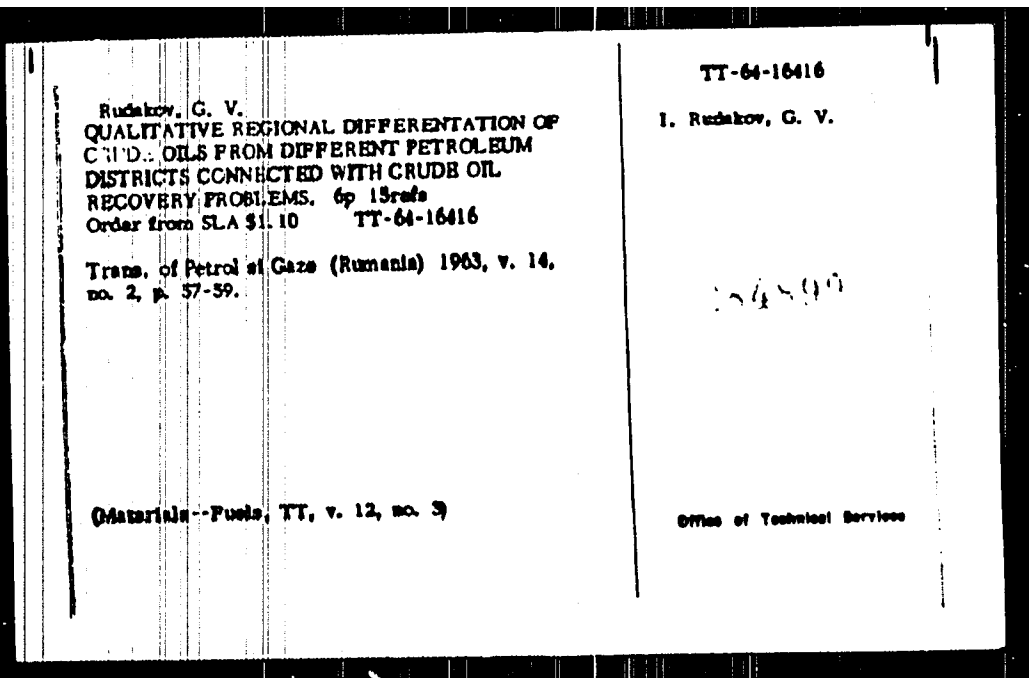
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