

**BIOCHEMICAL STUDIES ON EGYPTIAN WOOD
WORKERS EXPOSED TO SAW DUST AND
WOOD SPIRIT**

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ABBREVIATIONS

A/G.	Albumin/Globulins ratio
b.p.	Boiling Point
C°.	Degree Centrigate
dl.	100 ml
DNA.	Deoxyribonucleic Acid
DNP _h .	Dinitrophenyl Hydrazine
EDTA.	Ethylenediamine Tetra acetic Acid
g.	Gram
in ² .	Inch ²
I.U.	International Unit
lb.	pound
m ³ .	Cubic meter
mg.	milligram
min.	minute
mm ³ .	cubic millimeter

Pi.	Inorganic Phosphorus
ppm.	part per million
RNA.	Ribonucleic Acid
S.E.	Standard error
SGOT.	Serum glutamate oxaloacetate transaminase
SGPT.	Serum glutamate pyruvate transaminase
St.	Standard
TCA.	Trichloroacetic acid
TIBC.	Total iron binding Capacity
UIBC.	Unsaturated iron binding Capacity

CONTENTS

	Page
Aim of The Work	
INTRODUCTION.....	
REVIEW	
- Wood Nature.....	1
- Wood Dust.....	2
- Wood Spirit.....	4
- Plasma and Serum Proteins.....	11
- Transaminases.....	16
- Alkaline Phosphatase.....	19
- Serum Iron and The Total Iron-Binding Capacity...	22
- Importance of Some Trace Elements.....	29
Zinc.....	29
Copper.....	33
MATERIALS AND METHODS :.....	38
- A Clinical Examination of Workers.....	39
- An Environmental Study.....	40
A - Determination of Wood Dust Concentration in the Atmosphere.....	42

b - Determination of Wood Spirit Concentration in the air.....	46
i - Determination of Methyl Alcohol in The Air.....	46
ii - Determination of Ethyl Alcohol in the Air.....	48
iii - Determination of Benzene and Toluene in The Air.....	49
- The Biochemical Laboratory Analysis.....	51
1 - Determination of Blood Hemoglobin.....	51
2 - Count of Blood Cells Using Hemocytometer.....	54
A - Count of Erythrocytes.....	54
B - Count of Leukocytes.....	56
3 - Determination of the Serum Iron.....	59
4 - Determination of Total Iron-Binding Capacity (TIBC).....	61
5 - Determination of the Serum Total Proteins	63
6 - Electrophoretic Separation of Serum Proteins ...	66
7 - Determination of Serum Transaminases Activity ..	69
8 - Determination of Alkaline Phosphatase Activity .	75
9 - Determination of Zinc and Copper by Atomic Absorption.....	80

Statistical Analysis.....	85
RESULTS.....	87
DISCUSSION.....	100
SUMMARY.....	118
REFERENCES.....	122
ARABIC SUMMARY.....	

AIM OF THE WORK

Among different individuals there are a multiplicity of similar factors capable of responding to the environment, but in each individual, the capacity of these factors differ widely in degree. The best monitor of individual susceptibility is man himself, this mode of thinking inspired the choice and the aim of the present research.

Our aim is to detect through biochemical studies, certain abnormalities which coincide to/or denote the extent and severity of affection among Egyptian wood workers exposed to wood dust and wood spirit.

In this work, some investigations, which are known to play an important role in this field such as, hemoglobin, blood cells count, serum alkaline phosphatase, serum transaminases, total serum proteins and serum protein fractions, serum iron and total iron binding capacity as well as serum copper and zinc, were studied.

At present nearly 8000 workers are engaged in this industry. (Ministry of Industry, 1963 and the Central Agency for Public Mobilization and Statistic Report, 1966).

2 - Many of chemicals used as raw materials in this industry are well known hazardous to man.