

MUSIC WORK STATION

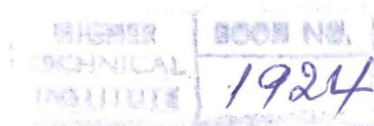
Project Report Submitted by :  
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In part satisfaction of the award of  
DIPLOMA OF TECHNICIAN ENGINEER  
in Electrical Engineering of the  
Higher Technical Institute, Cyprus

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Type of project : Individual

1989



## CHAPTER ONE

## 1. INTRODUCTION

The first entry of electronics in the field of music was somehow natural; not only due to their parallel revolution to all aspects of technology but mainly because of the complexity of the pipe organs who due to their size and cost could not be housed or possessed by many.

On the other hand the piano, although much more popular, was still an expensive instrument.

## 1.1 How could electronics aid the production of sound?

The oscillations created by the string of a violin, or by the pipe of an organ could be imitated by the electrical oscillations in a valve transistor circuit, suitably fed through a loudspeaker.

And so, in 1927 the first serious attempt was made by the Russian scientist Leon Theremin with his THEREMINOVOX and some years later by Helberger and LERTES with their HELLETRON (fig. 1.1).

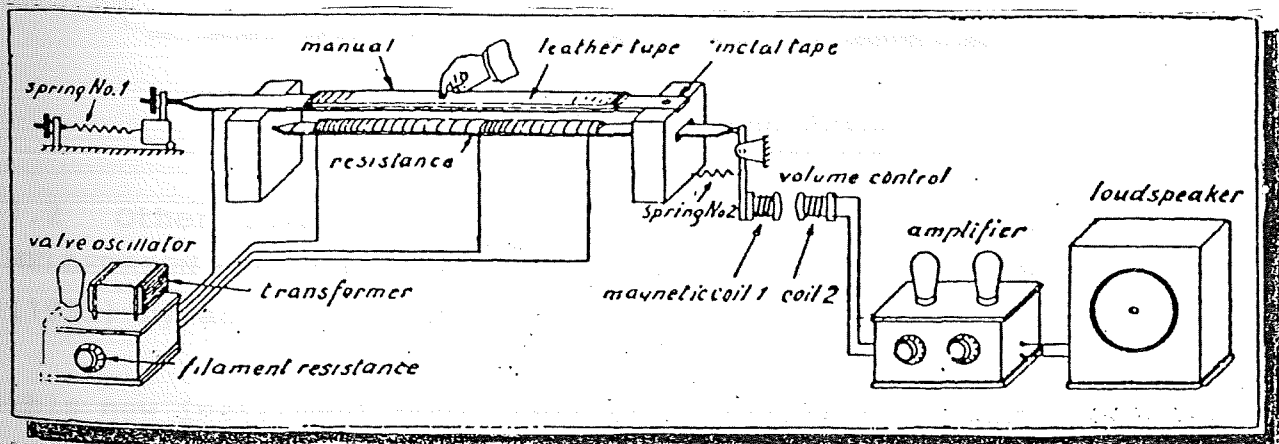


Fig. 1.1 The Helletron

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