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#### LEO COMPUTERS LTD.

SPECIMEN WEEK OF LEO OPERATION (W/E 27.1.57)

#### L1 Lyons Payroll

0

hrs.

second computer becomes available. employees and is to be extended to cover the remainder of Lyons' staff as soon as the statistical returns relating to the payroll. In this week the application covered 10,723 computation of income tax and all other deductions tion required for maintaining company accounts, cost accounts and other statutory and for use in the physical make up of pay envelopes, and the provision of all other informamatically produced by the computer, calculates net pay and prints a payslip giving Working from pay hours LEO calculates gross wages and, from brought forward data autodetails of the make up of wages for each person on the payroll. The calculation includes the preparation of a coin analysis

### L2 Supplies to Branches

revisions to these are received by telephone. Within an hour of receiving the last holds approximately 40,000 daily standing orders totals required for the movement of goods in bulk for despatch and the details required revisions, these are collated by LEO to produce the total production orders, the subfor management. cash totals accumulated. Stock control totals are for packing goods for each branch. In addition deliveries to each branch are valued and This covers the supply of up to 250 items of goods each day to 150 Lyons' branches. LEO provided and statistics are produced and every day approximately 8,000

#### L4 Stock Control

able to management on Monday morning, and the entire job involves the making of 30,000 new average price for each of 750 categories of tea and produces a statement showing separate calculations each week. The weekly statement showing the position at the close of business on Friday is availaddition LEO produces each quarter a stock valuation sheet at actual and average price. prices and a comparison of actual with standard costs for each production batch. In to bring stock up to minimum level, exhausted and slow-moving stock, the trend of current the quantity, price and number of weeks' stock in hand, the quantity to be purchased IEO is supplied with details of stock purchased and issued. Each week IEO calculates a

#### L5 Invoicing

This sales accounting application is carried out in four parts:

L5A A daily job carrying out the routine clerical tasks relating to valuing orders, compiling packing instructions and producing day book and stock record figures.

Here collection lists are produced for each despatched to customers and previously uncollected amounts. salesman, showing the value of orders

The cash collected by salesmen is checked and under or overbanking reported.

A weekly task of compiling sales statistics and salesmen's commissions.

L5D

L5C

L5B

During this period, pending the completion of a second computer, the application covered The overall time for dealing with all these jobs amounts to three seconds an invoice.

only a limited number of areas.

44 hrs.

JUNE, 1957

16 brs.

2ª hrs.

# L.O. Maintenance Etc.

equipment, and stoppages to deal with spurious data and machine faults.

33% hrs.

# L6 Sales Statistics and Delivery Planning

MH hr.

similar reason to that given in 15, this job covered only a limited number of areas. with standards which vary according to weather and other conditions. LEO then reports those agents whose purchases deviate significantly from standards, and the information The customers are grouped into classes and LEO is required to compare their purchases LEO produces sales statistics for individual customers or groups of customers. For a produced enables sales management to plan calls upon customers economically. In addition,

### El Engineering Payroll

a very wide range of labour and personnel statistics. this case, the computer starts with hours worked as shown on the clock cards. It embraces A payroll, similar to that referred to above, is carried out on a service basis for a large engineering concern. In this week the job was limited to 7,000 employees.

#### M. Mathematical Work

market survey, statistical and actuarial tables and a wide variety of scientific appli-These are all service jobs and mostly not regular in their incidence. They include cations. Following are some examples:

94± brs.

hrs.

Combustion calculations. Data read from photographs of the display shown by an form of graphs and tables. oscilloscope during the running of a diesel engine is processed and presented in the

dust during mining, to assist in the prevention and cure of pneumoconiosis. Pneumoconiosis research. The classification of miners, with respect to exposure to Crystallography. The production of electron-density values to assist in determining including cavitation effects, in a system consisting of a pump, pipe-line and nozzle. Pipe-line pressure Calculations. The computation of needle-lift, flow and pressure,

Market research tabulation. The classification of consumer goods with respect to various sections of the general public. the precise location of atoms within a molecule of a particular substance.

employer, of running a group policy insurance scheme. Insurance Company Pension Scheme Auotations. Calculation of the costs, to an

based on a new Mortality Table. Actuarial tables. The computation of four volumes of varied actuarial functions

in England, Scotland and Wales. Railway distances. The calculation of the shortest distance between any two stations

This includes, in addition to routine maintenance, programming trials, testing new

Total 168 hrs.

# LEO COMPUTERS

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(THE TIMES: SHOWN INCLUDE AN ALLOWANCE FOR POSSIBLE STOPPAGES TO DEAL WITH SPURIOUS DATA AND MACHINE FAULTS)