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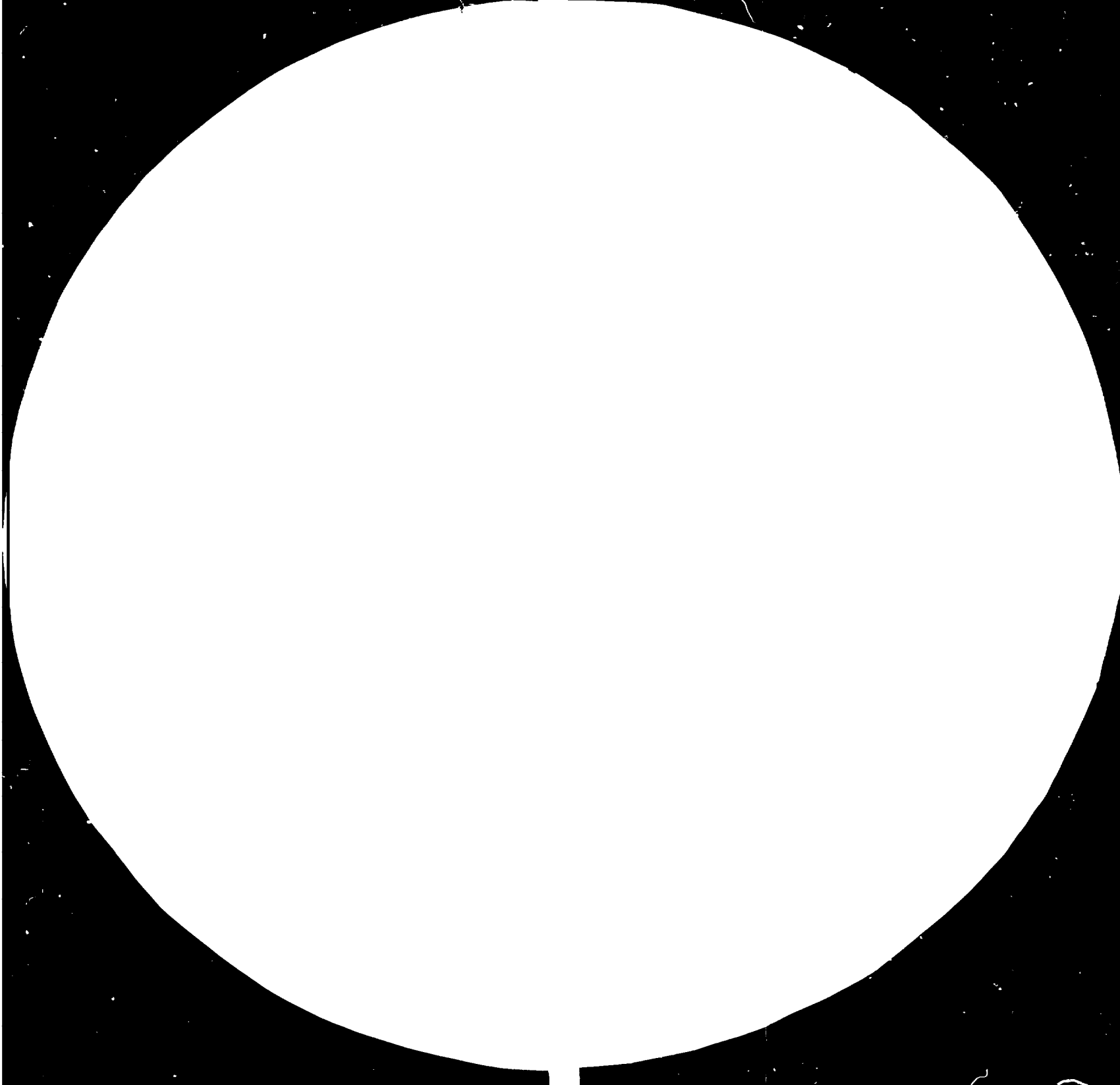
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**DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES**

DP/TUR/76/034

TURKEY.

Technical Report No. XXVII Report on Computerisation
of Demand Data for the
Pulp and Paper Industry (SEKA)

M.M. Luther

Aralık 1983

UNITED NATIONS DEVELOPMENT PROGRAMMES IN TURKEY

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANISATION

RESTRICTED

English

DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES
DI/TUR/76/034
TURKEY

Technical Report No. XXVII - Report on Computerisation of Demand data for
the Pulp and Paper Industry (SIRKA)

Prepared for the Government of Turkey
by the United Nations Industrial Development Organisation
acting as executing agency for the United Nations Development Programme

Based on the work of
Capital Goods Development Project in Turkey

United Nations Industrial Development Organisation
Vienna

This report has not been cleared with the United Nations Industrial Development
Organisation which does not, therefore, necessarily share the views presented.

DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES
DP/TOR/76/034
TURKEY

Technical Report No. XXVII - Report on Computerisation
of Demand Data for the
Pulp and Paper Industry (SEEA)

İşletmelerin Kalkınma Programı

UNITED NATIONS

NATIONS UNIES

DEVELOPMENT PROGRAMME IN TURKEY

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

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UNITED NATIONS

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DEVELOPMENT PROGRAMME IN TURKEY
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

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UNITED NATIONS

NATIONS UNIES

EMPLOYMENT PROGRAMME IN THE
FACILITY FOR THE REFUGEE PROJECT (UNRWA)

MEMORANDUM

- 1. Equipment requirement (3) direct by which...
- 2. Equipment requirement (3) direct by which...
- 3. Renovation of pipe-fabrication equipment...
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UNITED NATIONS DEVELOPMENT PROGRAMME IN TURKEY

Page 1

REPORT ON
COMPUTERIZATION OF DEMAND DATA

CONTENTS

1. INTRODUCTION

1.1 Capital Goods Development Project initiated by UNDP in close collaboration with the United Nations Industrial Development Organization (UNIDO) aimed to expand the capital goods manufacturing industries. For planning of this national industry, demand data collected from the various manufacturing departments has been reprocessed according to the methodology for the nation handled in technical report No. 1. The results obtained are given on table 1.

1.2 State Institute of Statistics at the request of UNDP, carried out the computerization of demand data in accordance with the project.

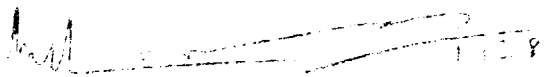
1.3 This report gives the details of the methodology of computerization for the capital goods manufacturing industries. The details of the demand for capital goods according to earlier plans and programmes were given in the technical report No. 1.

1.4 The revised plans have been prepared by UNDP and indicated in the draft of the 1974-75 four year plan. Accordingly, the demand for capital goods has been revised based on the revised plans. These have been used as inputs for this aggregation.

UNITED NATIONS DEVELOPMENT PROGRAMME IN TURKEY

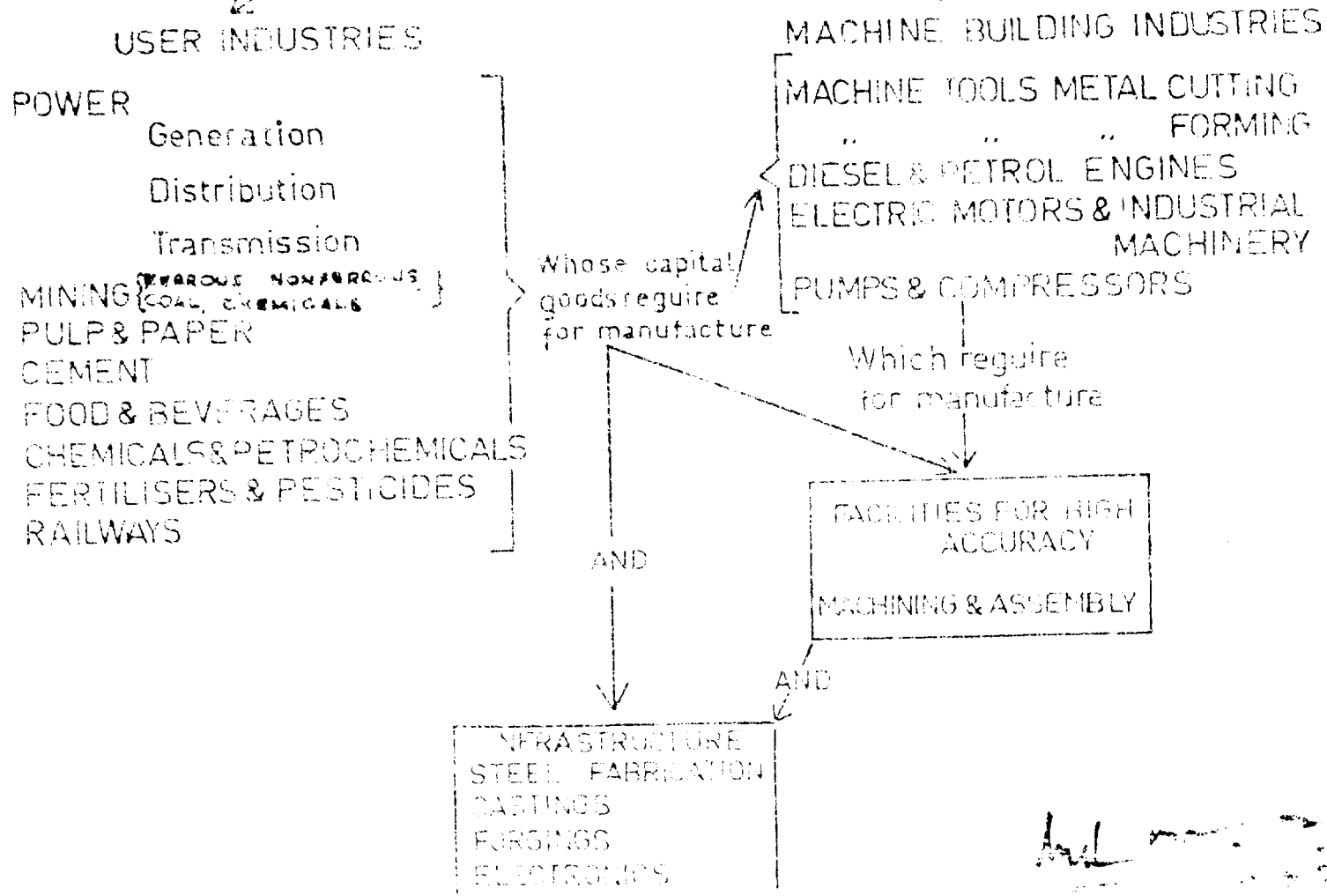
Page 2

- 1.4. The main objective of the computerisation is aggregation of the total national demand for plate fabricated equipment (in terms of permutations and combinations) of specified range of weight, types of material and plate thicknesses, and for other machinery in terms of major specifications and nomenclature.
- 1.5. The study was conducted by Mrs. Elaine Andeal, SPO expert under the direction of Mr. Kemal Inanc, Chief Technical Adviser, Capital Goods Project.
- 1.6. The project management is headed by the President Mr. Nihat Sami Kunal of the Technical Board, Mr. Selik Yildirim and Mr. Urdal Bozkus who carried out the computerisation work.
- 1.7. Mr. Vahit Ardem, National Project Coordinator of the Capital Goods Development Project and head of Sectoral Planning Division, has been associated with the work at all stages.


M. S. ARDEM
NATIONAL PROJECT COORDINATOR
SECTORAL PLANNING DIVISION
CAPITAL GOODS PROJECT IN TURKEY

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

NATIONAL PRIORITIES



Task 2.1

Page 3

And...

UNITED NATIONS

NATIONS UNIES

DEVELOPMENT PROGRAMME IN TURKEY

Page 5

2.1.4. The capital goods requirement up to 2000 by the Pulp and Paper Industry (SEKA) have been determined and codified under 15 digit codes. The information gathered are transferred on to a computer programme and data aggregated. The computer outputs give the total requirement for capital goods both by weight and cost, yearwise, on the basis of anticipated year of commissioning of user plants. The results are analysed with respect to existing manufacturing capacity for different types of capital goods to different specifications so that additional manufacturing facilities where necessary can be planned in time.

2.1.5. The computer outputs are mainly of three types. The first one shows the equipment requirement by 5 digit. The second one shows the demand for plate fabricated equipment in terms of weight, material and plate thickness. The third one is the 15 digit aggregation of machinery.

2.2. The capital goods requirement of the pulp and Paper Industry (SEKA) mentioned in the related technical report No. XIV have been updated on the basis of the draft 5th. Five Year Plan and data computerised. The updated project list is on table No. 2

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

COMPARISON OF INVESTMENT PROJECTIONS
IN PROJECT'S TECHNICAL REPORTS AND THOSE
INDICATED BY SPO WITH REFERENCE TO FIFTH
5 YEAR DEVELOPMENT PLAN IN APRIL 1983

Table No. 2

PULP AND PAPER INDUSTRY (SEKA)

PLANT NAME	Technical Report No. XIV		SPO April 1983		ASMAKES
	Capacity (T/Y)	Ant. Year of Comm.	Capacity (T/Y)	Ant. Year of Comm.	
ATAURK (N)	390 (paper)	1989-90	130,000	1990 - 91	
AKSU (Kah.)	303 (news- print paper)	1986	100,000	1987	
QAYCINA (Peb.)	227 (kraft sack paper)	1986	75,000	1987	
AFYON (Peb.)	167 (reed/ straw paper)	1985	50,000	1986	
BALAMAN (Peb.)	110 (paper) 125 (board)	1985	35,000 (paper) 40,000 (board)	1986	

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NATIONAL BUREAU OF STANDARDS

DEPARTMENT OF COMMERCE

WASHINGTON, D. C.

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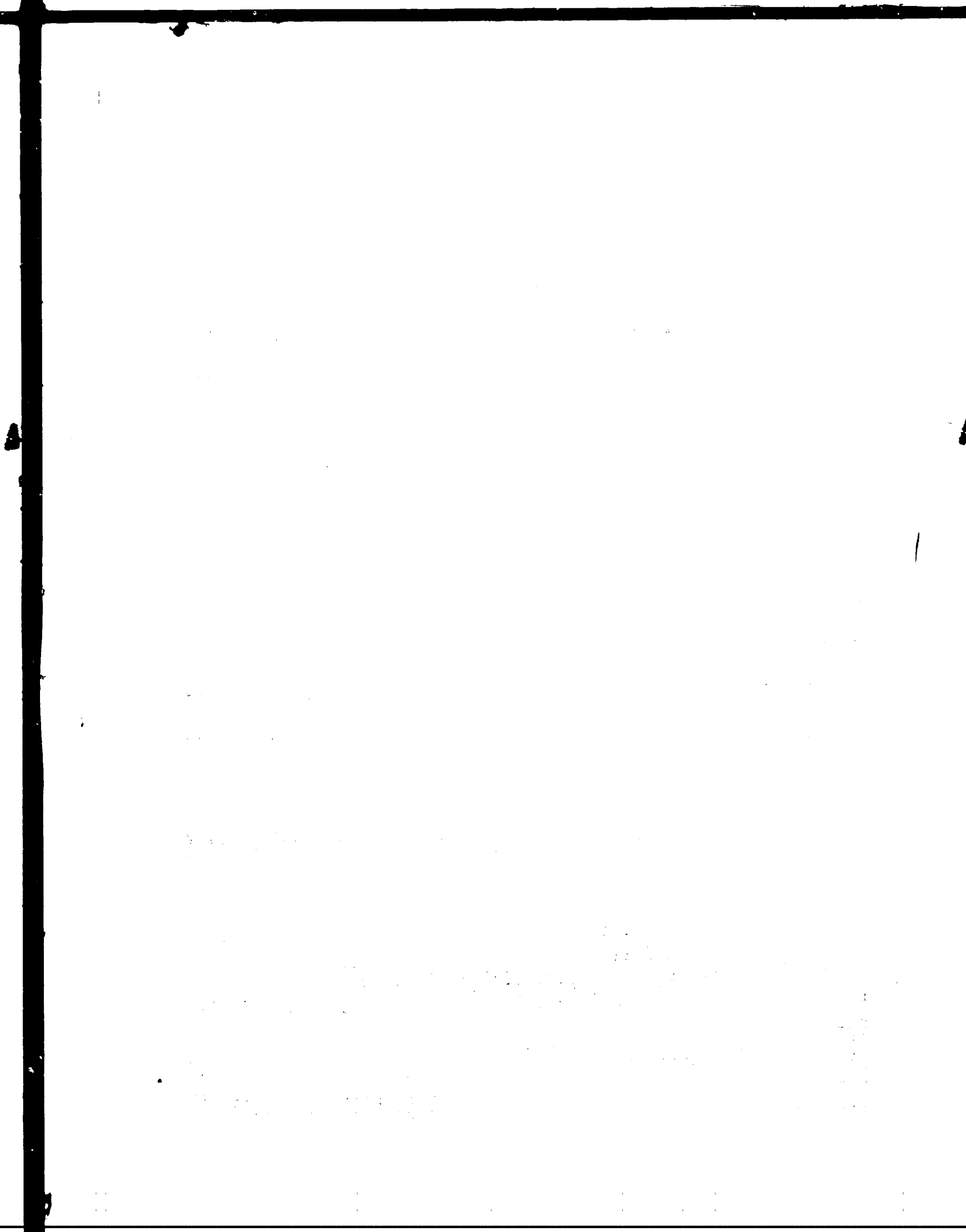
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THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 10

PROBABILITY

1. INTRODUCTION

2. PROBABILITY DISTRIBUTIONS

3. THE BINOMIAL DISTRIBUTION

4. THE POISSON DISTRIBUTION

5. THE NORMAL DISTRIBUTION

6. THE GAUSSIAN DISTRIBUTION

7. THE EXPONENTIAL DISTRIBUTION

8. THE GAMMA DISTRIBUTION

9. THE BETA DISTRIBUTION

10. THE F-DISTRIBUTION

11. THE T-DISTRIBUTION

12. THE CHI-SQUARE DISTRIBUTION

13. THE HYPERGEOMETRIC DISTRIBUTION

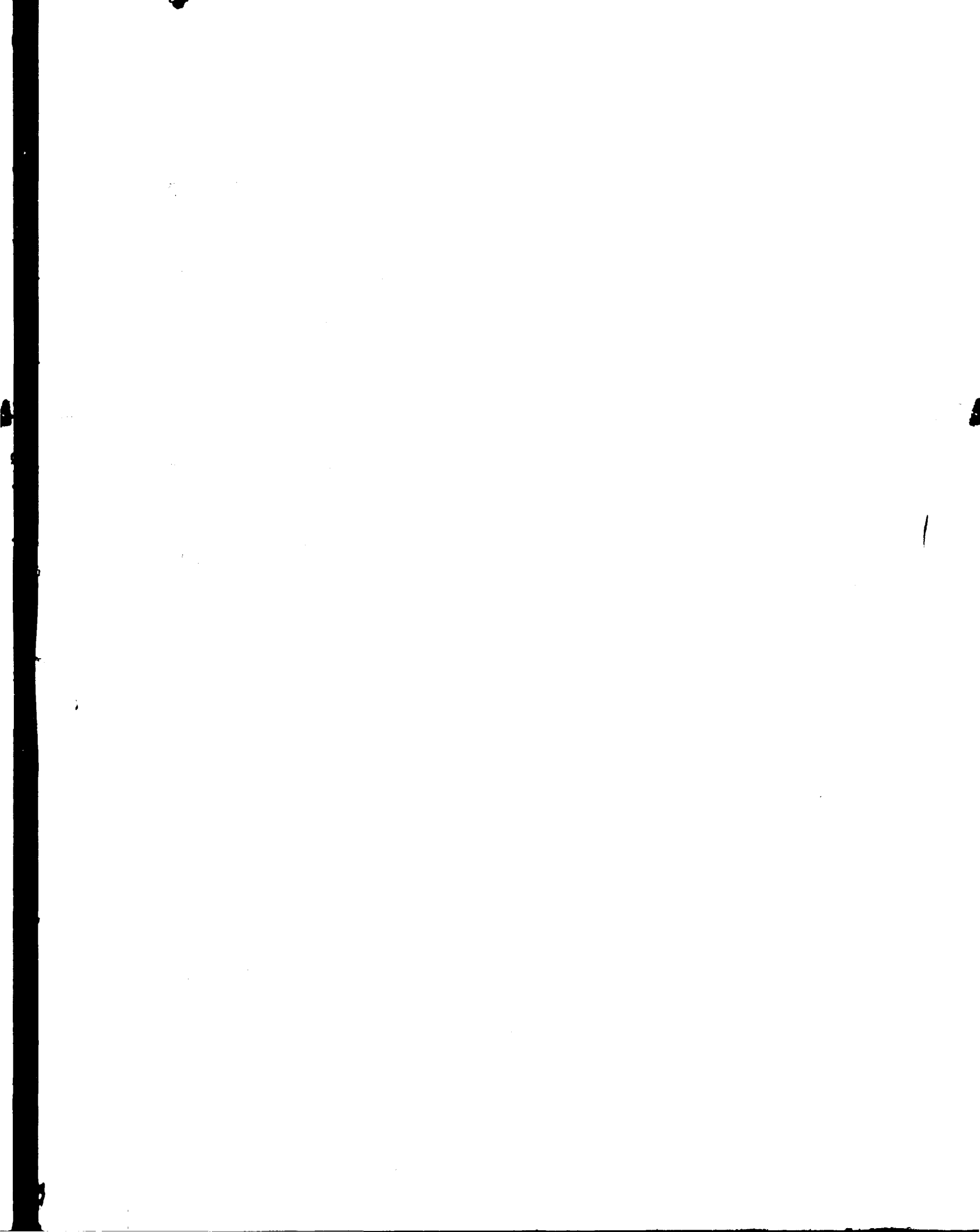
14. THE MULTINOMIAL DISTRIBUTION

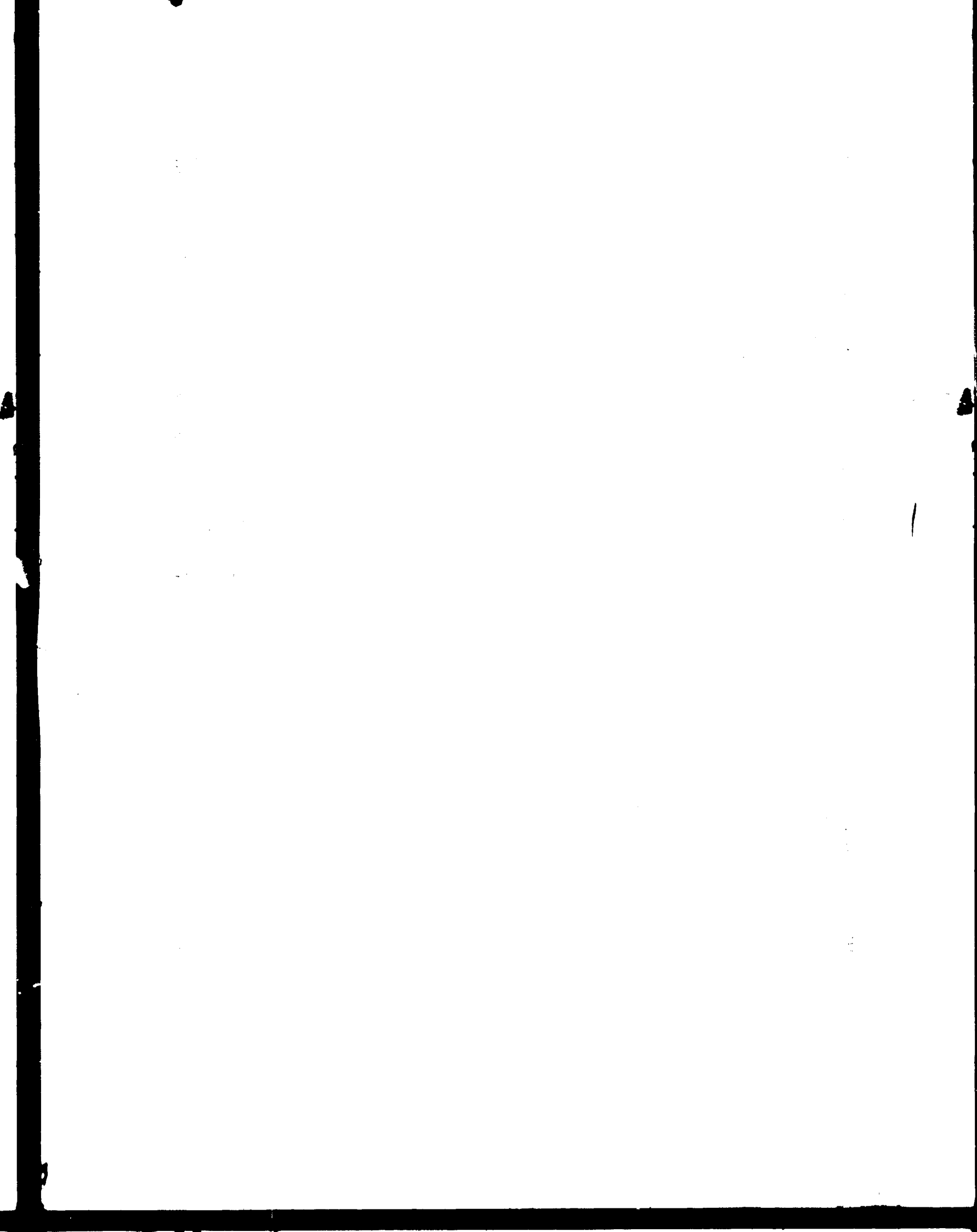
15. THE DIRICHLET DISTRIBUTION

16. THE WELCH T-TEST

17. THE PEARSON CORRELATION COEFFICIENT

18. THE SKEWNESS COEFFICIENT





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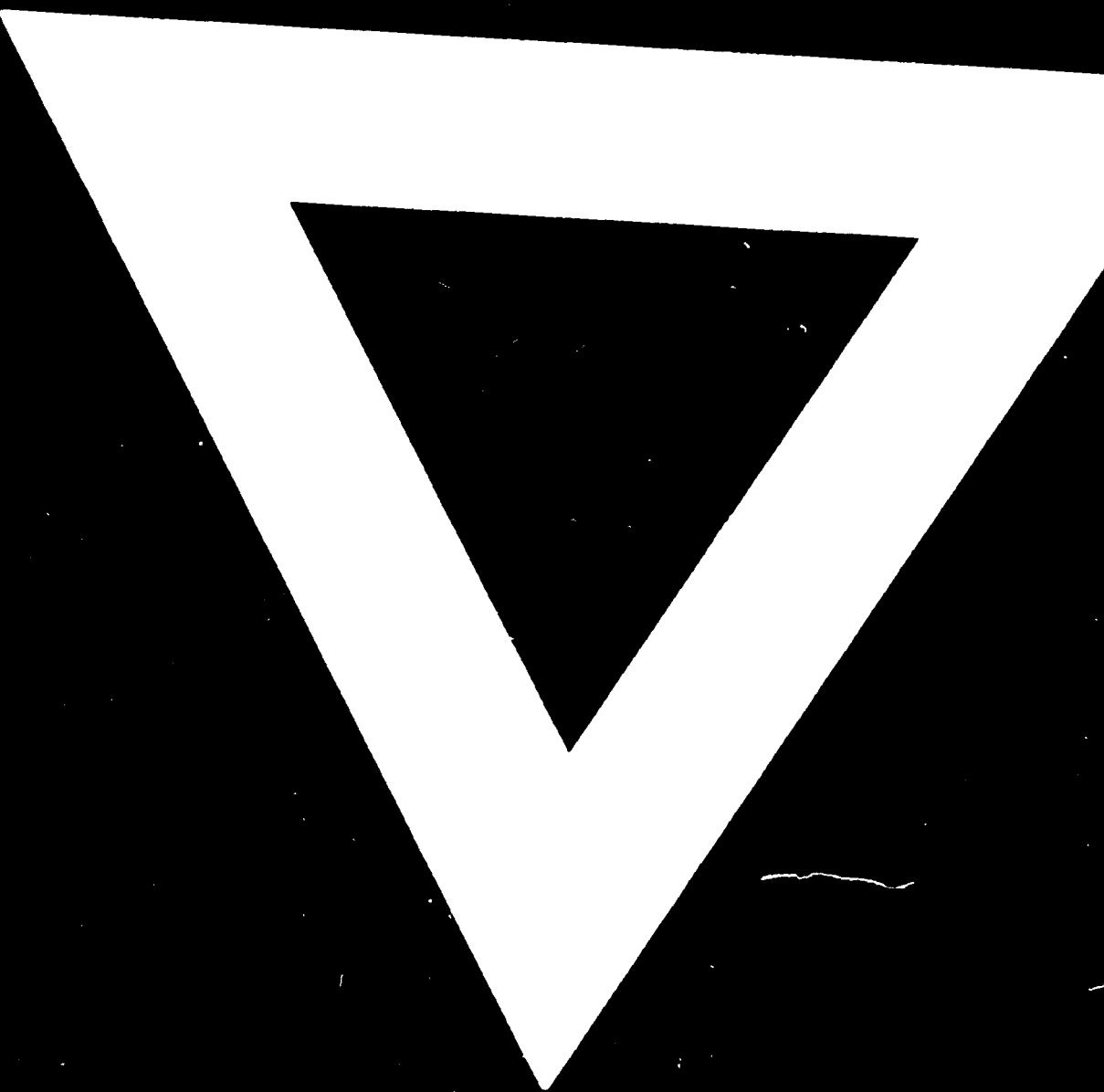
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CALIFORNIA STATE UNIVERSITY - LOS ANGELES
 CAPITAL BUDGETING STATEMENT FOR THE FISCAL YEAR ENDING 1970
 DEPARTMENT OF ECONOMICS
 UNIVERSITY OF CALIFORNIA, LOS ANGELES
 FISCAL YEAR ENDING 1970
 REPORT IN DOLLARS

ACCOUNT	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	TOTAL
DEPRECIATION	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1000
EXPENSES	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1000
REVENUES	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1000
NET INCOME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1000

7422625211212	5-ST.CENT.PUMP(1+SP)	1	6.500	-00	-00	-00	-00	-00	-00	6.500	-00	-00	-00	6.500	-00	-00	6.500
7424131621212	RADIAL PANCING+SUC	1	35.700	-00	-00	-00	-00	-00	-00	35.700	-00	-00	-00	35.700	-00	-00	35.700
7424010101002	CENTRIFUGAL BLOWER	1	0.000	-00	-00	-00	-00	-00	-00	0.000	-00	-00	-00	0.000	-00	-00	0.000
7424003111212	CENTRIFUGAL FLDGR	1	17.800	-00	-00	-00	-00	-00	-00	17.800	-00	-00	-00	17.800	-00	-00	17.800
7424003111212	FRUGHED BELT CLAY	1	8.500	-00	-00	-00	-00	-00	-00	8.500	-00	-00	-00	8.500	-00	-00	8.500
74226212011911	FRUGHED BELT CONV	1	8.500	-00	-00	-00	-00	-00	-00	8.500	-00	-00	-00	8.500	-00	-00	8.500
74226212011911	FRUGHED BELT CONV	1	10.700	-00	-00	-00	-00	-00	-00	10.700	-00	-00	-00	10.700	-00	-00	10.700
74226212012921	FRUGHED BELT CONV	1	11.000	-00	-00	-00	-00	-00	-00	11.000	-00	-00	-00	11.000	-00	-00	11.000
74226211011911	SCREW TUBE CONVEYOR	1	12.800	-00	-00	-00	-00	-00	-00	12.800	-00	-00	-00	12.800	-00	-00	12.800
74226211011212	APRON FEEDER	1	9.800	-00	-00	-00	-00	-00	-00	9.800	-00	-00	-00	9.800	-00	-00	9.800
74226211011212	ROTARY DISK FEEDER	1	9.800	-00	-00	-00	-00	-00	-00	9.800	-00	-00	-00	9.800	-00	-00	9.800
74226211011212	ROTARY DISK FEEDER	1	9.800	-00	-00	-00	-00	-00	-00	9.800	-00	-00	-00	9.800	-00	-00	9.800
742250650211912	CONVEYOR SCALES	1	1.710	-00	-00	-00	-00	-00	-00	1.710	-00	-00	-00	1.710	-00	-00	1.710
	PLATE FABRICATED	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MACHINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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