

CONTENTS :

Preface 9

PRELIMINARIES: WHAT THE HISTORY OF LOGIC CAN SAY 11

1. TO STUDY HISTORY OF LOGIC IS COGNITIVE SCIENCE 11

2. PREREQUISITES 12

 2.1. Ontic loci 12

 2.2. Philosophical prerequisites for logic 12

 2.3. Logical prerequisites for philosophy 13

 2.4. Philosophical prerequisites vis a vis logical prerequisites 14

3. ON WHAT IS PRIOR TO WHAT 14

4. LOGICAL EVIDENCE, NORM AND ERROR 15

Notes to Preliminaries 17

PART I. ANCIENT LOGIC, ITS INTERPRETATIONS AND MISINTERPRETATIONS 19

5. ARISTOTLE'S RHETORICS AS CONTRIBUTING TO PROPOSITIONAL LOGIC 19

 5.1. Some details re Aristotle's writings and teaching 19

 5.2. Aristotle as the predecessor of Chrisippus 20

 5.3. Some dialectical motives in Aristotle's Syllogistic 21

 5.3.1. Syllogisms concluding in logical falsum 21

 5.3.2. Philosophical intuitions 23

 5.3.3. An ambiguity in Aristotle (Book B, 8 - 10) 24

Notes to Chapter 5 26

6. LOGIC BY DIRECT INSIGHT & ARISTOTLE'S EKTHESIS	28
6.1. The logic by direct insight	28
6.2. The ways of defining the term "ekthesis"	30
6.3. Ekthetic proofs	32
6.3.1. Aristotle's proofs by Ekthesis	32
6.3.2. The system SYL*	32
6.3.3. The system SYL**	34
6.3.4. SYL* vs SYL**	35
6.3.5. SYL* and indirect proofs	36
6.4. The diagrammatic traces for syllogistic	37
6.5. Visualization of Aristotelian counter-models in syllogistic	38
<i>Notes to Chapter 6</i>	41
7. THE FOURTH FIGURE REVISITED	44
7.1. Three, four or more figures	44
7.2. Legitimate Aristotle's option	44
7.3. On how the work is done in Aristotle	44
7.4. The semantic justification for syllogistic figures	45
7.5. Why not the Fourth Figure in Aristotle?	46
<i>Notes to Chapter 7</i>	48
8. HOW HAD ŁUKASIEWICZ RECONSTRUCTED THE CORPUS OF STOIC LOGIC	49
8.1. A short reminder	49
8.2. Against Łukasiewiczian way of reading Stoic Logic	53
<i>Notes to Chapter 8</i>	56

9. THE MYSTERY OF AN ALLEGED MISTAKE OF CICERO'S	58
9.1. The case	58
9.2. Cicero's reconstruction of five "undemonstrables"	59
9.3. The ambiguity of some linguistic patterns	60
9.4. Who made the fuss?	62
9.5. In search of all possible "undemonstrables"	63
9.6. Confirmation	68
9.7. Answers to questions and questions to answers	69
<i>Notes to Chapter 9</i>	70
PART II. THE FURTHER CAREER OF SOME LOGICAL IDEAS	71
10. A "PORT ROYAL" DEDUCTION THEOREM	71
10.1. Why deduction theorems?	71
10.2. A reminder on direct and indirect deduction theorems	73
10.3. The Port Royal deduction theorem	75
<i>Notes to Chapter 10</i>	78
11. A.N. VASIL'EV'S IMAGINARY SYLLOGISTIC	80
11.1. Alternative tracks in the History of Logic	80
11.2. Who was Nicolai A. Vasil'ev?	80
11.3. G.L. Kline's re-discovery	82
11.4. Vasil'ev's imaginary worlds	84
11.5. Vasil'ev's threefold classification of concepts	85
11.6. Vasil'ev's Imaginary Syllogistic reconstructed	86
<i>Notes to Chapter 11</i>	89

CONCLUSION: WHAT DO THE NOISES SAY IN THE HISTORY OF LOGIC	91
12. The converted order of reading	91
13. The concentration of noises	92
APPENDIX	94
<i>Notes to Appendix</i>	95
TABLE - Aristotle's token-words used in his counter models	96
SELECTIVE BIBLIOGRAPHY	97
INDEX OF NAMES	102
ILLUSTRATIONS	104