CONTENTS:		ħ.
Url W.G.	The Variotimer - a new equipment for time-lapse movie	6
Bednář O. Březina V.	Time-lapse experiments with a microcinematography equipment MEOPTA	11
Url W.G.	Osmotic phenomena in plant cells plasmolysis, zytorrhysis	12
Nitschmann J.	Study of early cytological and developmental processes within the fly's egg by means of various methods	16
Erdelská 0.	Early embryo development of Jasione monatna L.	19
Ginsburg V.N., Mironova L.L.	Experience of microcinematographic study of primary and continuous cell cultures	25
Mironova L.L. Ginsburg V.N.	Study of normal and infected primary and continuous cell cultures by the microcinematographic method	30
Fazekas I. et al.	Rat adenohypophyseal cells in culture	36
Burton L.A.	Living cytology	39
Vrba M., Březina V.	Cell growth in an artificial network	40

Moslov A.N.	Mitosis, amitosis and the develop- ment of multinuclear cells in the culture	41
Heunert H.H., Galle H.K.	Newer apparative applications in Microcinematography	43
Heunert H.H.	Preparation methods in the microcine matography	- 56
Riddle P.	Comparison cinemicrographs prepared by optical split screen printing	79
Viehmann W., Bereiter-Hahn,J	Effects of Cytochalasin B on Tonofilaments in Fish Epidermal Cells	87
Horáková K. et al.	Delayed cytotoxic reaction of 6-mercaptopurine on HeLa cells	98
Půža V.	The effect of anisotonic solutiona on nucleoli	108
Půža V., Novák L.	Effect of some disinfection solutions on cells	117
Půža V., Srb V.	Influence of rifampicin on tissue culture cells	121
Bereiter-Hahn J.	,Mathematical data analysis of mitochondrial movements	126

		p.
Schliwa M.	Light- and electron microscopic studies on pigment movements in fish melanophores	134
Bereiter-Hahn J.	Intracellular mitochondrial movements	146
Robineaux R. et al.	The intracellular cycle of the ornithosisagent	157
Hřib J., Nováček M.	Cinemicrographic analysis of turning chloroplasts in Mougeotia	158
Török 0. et al.	Microcinematographic analysis of the Gomori - positive cells of the rat thymus	172
Robineaux R. et al.	A cinemicrographic study of the human leucocytes in monolayer and the culture of the same origin	177
Le Borgne de Kaouël	The microcinematographic study of human lymphoblastoid lines	178
Kozlov V.I.	Microcinematographic investigation of microcirculation	179
Robineaux R. et al.	The rosettes-formation by sensibilized spleenic lymphocytes	180

	p		
Kuznicki L., The cytoplasmic movements within Sikora J. Paramecium aurelia cell	181		
Haberey M., Comparative microcine matographic investigations of amoebae	185		
Kuznicki L. The finding of the traveling helical ciliary beat of Parameciu	200 m		
VARIA:	205		
1. Memory of B. Hluchovský, M.D., Assoc.Prof.	206		
2. Reviews			
3. Scientific Meetings in 1974			
4. New Books			
5. New Journals			
6. Advertisements			