

Contents

Contributors and Collaborators	xi	Pre-History II	14
Acknowledgements	xii	A Static Mirror?	14
1 Foundations	1	The Flipbook	15
What It Is	1	Émile Reynaud	15
Mapping Chaos	1	Birth of the <i>Théâtre Optique</i>	16
Turning Points	1	The <i>Théâtre Optique</i> and How	
Periods	1	It Worked	18
Guilty, but with an Explanation	2	On with the Lantern Show	19
Traces	2	Colour Music	19
You Won't Find. . .	3	Cinema of Attractions	21
A Hybrid	3	Frame by Frame	21
The First Period	5	Arthur Melbourne-Cooper	22
The First Period spans the years before the		Walter Robert Booth	23
screening of Émile Cohl's film <i>Fantasmagorie</i> in		Edwin Stanton Porter	24
Paris, France. There is no 'animation' as such		James Stuart Blackton	25
there, but the film still incorporates many fea-		The Second Period	27
tures that look like what nowadays we would		The Second Period embraces the entire silent	
consider to be animation. We will call this		film era and ends with a specific date: 18 Novem-	
period 'Before <i>Fantasmagorie</i> (0–1908)'. 2 Before <i>Fantasmagorie</i>	7	ber 1928, the day of the public screening of Walt	
Archaeology	7	Disney's first 'talkie', the short film <i>Steamboat Wil-</i>	
Phidias' Animating Chisel	8	<i>lie</i> . We will call this period 'The Silent Pioneers	
Representation	8	(1908–1928)'. 3 The Silent Pioneers (1908–1928)	29
The Motion Analysis	8	The Cradle	29
Music	9	Days of Heaven and Hell	29
The Meaning of the Implicit		Culture	29
Movement	11	Cinema	30
An Object of Philosophy	11	Narrative and Non-Narrative	30
Pre-History I	12	<i>Fantasmagorie</i>	31
Science, Science, Science	12	The Fathers	32
Writing with Light	13	Émile Cohl	32
		Georges Méliès	33
		The First Abstract Cinema	34
		Arnaldo Ginna	34

Léopold Survage	35	Norway	69
Winsor McCay	35	Finland	70
Colour	37	Hungary	70
4 Silent America I	38	Spain	70
The Fathers' Sons	38	Portugal	71
Comics, Animation, and Cinema	38	The Rest of Europe	72
Birth of the Industry	38	Russia/Soviet Union	72
Raoul Barré	38	Ladislas Starewich	72
Cut, Insert, Replace	39	After the Revolution	75
John Randolph Bray	39	Ukraine	81
The International Film Service	40	7 Silent Asia	82
Other American Artists	41	Japan	82
Willis O'Brien	41	The Narrator	84
Instruments and Language	42	8 Silent Latin America	85
5 Silent America II	44	Mexico	85
The Fleischer Brothers	44	Colombia	85
Felix, Pat, and Otto Messmer	45	Brazil	86
Terry and the Fables	46	Chile	86
Bowers Unbound	47	Argentina: The World's First	
Lantz's Debut	48	Animated Feature Film	86
Bray, Hurd, and Mintz	48	Quirino Cristiani	86
Sarg and Dawley	48	9 Silent Africa	88
The Young Walt Disney	50	Union of South Africa	88
6 Silent Europe	52	10 Silent Oceania	90
The Individualists	52	Australia	90
Great Britain	52	More About It	90
Ireland	53	The Third Period	93
France	54	The Third Period includes the years when Walt	
Lortac	54	Disney dominated the industry and the devel-	
Advertisers and Illustrators	54	opment of film animation as a primary form of	
Germany: Animation in		entertainment, acclaimed by critics and beloved	
the Weimar Republic	55	by audiences throughout the world. An appro-	
The Matrix	56	prate denomination of this period is 'The	
Walther Ruttmann	56	Golden Age (1928–1951)'. <hr/>	
Viking Eggeling	57	11 The Golden Age (1928–1951)	95
Hans Richter	58	<i>Steamboat Willie</i>	95
Lotte Reiniger	59	Sync or Sink	95
Austria	63	The Non-Concurrence	
Switzerland	64	Factor	96
Denmark	65	Sound	97
Storm P.	65		
Sweden	67		
Grogg the Sailor Man	67		
Other Swedish Animators	68		

12 America Laughs!	98	Hans Held	151
Walt Disney the Tycoon	98	Wolfgang Kaskeline	152
The Fixed Star	99	Avant-Garde	152
Human or Animal?	100	Oskar Fischinger	153
Years of Expansion	101	Austria	157
The Ones Who Made the Magic	101	Switzerland	159
Another Disney Folly	102	Denmark	160
The Pillar Brother	103	Sweden	162
Disney's Animation Declines	105	Norway	162
The Twelve Rules of the		Poland	163
Nine Men	107	Stefan and Franciszka	
Animation Heads West	109	Themerson	164
The Masters' Master	111	Czechoslovakia	165
Lantz from the Rabbit to the		Hungary	166
Woodpecker	111	George Pal	166
Ub Iwerks	113	Yugoslavia	167
Mintz, Krazy, and Columbia	113	Greece	167
Van Beuren	114	Italy	167
Terrytoons and Mighty Mouse	114	Spain	169
The Fleischers: Betty Boop,		Catalan Vibrancy	169
Popeye, and Two Feature		The <i>Edad Dorada</i>	170
Films	115	Barcelona's Entrepreneurs	170
Warner Bros.	118	Barcelonese Feature-Length	
Tex Avery	119	Films	171
Bob Clampett	123	Madrid	172
Carl W. Stalling, Musical		Valencia	172
Animator	125	Portugal	173
Metro-Goldwyn-Mayer: Cat,		14 Soviet Union	174
Mouse, and Tex	126	Russia	174
Tashlin the Wanderer	127	Lithuania	177
The American Avant-Garde	128	Ukraine	177
Canada	129	Georgia	177
13 Europe	131	Armenia	178
Great Britain	131	Azerbaijan	179
Len Lye	132	15 Asia	180
France	135	Japan	180
Anthony Gross	137	Ofuji Noburo	181
Berthold Bartosch	138	Masaoka Kenzo	182
Alexandre Alexeïeff	140	Kimura Hakuzan	184
Belgium	147	A Brave New World	184
The Netherlands	147	Mochinaga Tadahito and	
Germany in Nazi Time	148	His Legacy	184
Hans Fischerkoesen	150	Ichikawa Kon	186
The Brothers Diehl	151	China	187
Heinz Tischmeyer	151		

16 Latin America

Mexico 189
 Colombia 190
 Venezuela 190
 Brazil 191
 Argentina 191

17 Africa

Egypt 194
 Union of South Africa 194

Index

ANIMATION

A WORLD HISTORY

VOLUME 2

THE BIRTH OF A STYLE –
THE THREE MARKETS

**GIANNALBERTO
BENDAZZI**

Contents

Contributors and Collaborators	xi
--------------------------------	----

The Fourth Period

The Fourth Period is short and runs from 1951 (the date of projection of the UPA short *Gerald McBoing Boing*) to 1960, the date of the first international animation film festival (Annecy, France). It is characterized by indecision. Disney and his imitators lost momentum, the UPA proposed a new style, the television age began and an original animation output was born in Europe. We'll christen it 'The Birth of a Style (1951–1960)'.

1 America	3
After the Long Telegram	3
Culture	4
Almighty and Suspicious	4
<i>Gerald McBoing Boing</i>	5
UPA	6
Pete Burness	8
Robert Cannon	9
John Hubley	10
Theory from Practice	10
The Galaxy	11
Walt Disney	12
Warner Bros.	12
Friz Freleng	13
Chuck Jones	14
Michael Maltese	19
The Resurgence of	
Terrytoons	20
Walter Lantz's Oasis	20
MGM's Cat and Mouse	21
From Fleischer to Famous	21

Bunin's Puppets	22
Television 101	22
TV and American Animation	23
Jay Ward	23
TV and Animated Commercials	23
The West Coast Experimental	
Film Movement	24
Jordan Belson	24
Harry Smith, Heaven and	
Earth Magician	27
The Enigma of Hy Hirsh	28
The Canadian Phenomenon	29
Norman McLaren	30
More About It	36
2 Western Europe	41
Great Britain	41
John David Wilson	42
John Halas and Joy Batchelor	42
France	45
Grimault and the Stories	
from the Front	45
Ladislas Starewitch and the	
Feature Film	46
Germany	48
Federal Republic of Germany	48
Austria	49
Switzerland	50
Denmark	50
Kaj Pindal	51
Bent Barfod	52
Norway	54
Finland	55
Greece	55
Italy	56
Portugal	56

3 Eastern Europe	57		
Poland	57		
Czechoslovakia and Puppets	57		
Hermína Týrlová	59		
Karel Zeman	60		
Jiří Trnka	62		
The Music of the Puppets	67		
Hungary	68		
Yugoslavia: The First Stage			
of the Zagreb School	68		
Croatia	68		
Bulgaria	71		
Romania	71		
More About It 1	71		
More About It 2	74		
4 Soviet Union	76		
Russia	76		
Ivan Ivanov-Vano	79		
Lithuania	83		
Georgia	83		
5 Asia	85		
Japan	85		
Toei Doga's Start-Up	85		
Praiseworthy People	87		
Mori Yasuji	87		
Otogi Pro	88		
Experiments	88		
China	89		
6 Latin America	91		
Mexico	91		
Venezuela	91		
Brazil	92		
Argentina	92		
7 Africa	94		
South African Republic	94		
The Fifth Period			
The Fifth Period begins with the blooming of the television series and <i>auteur</i> animation and ends with the conclusion of the Cold War. Although it is varied and subjected to strong changes within the market (in the field of television or advertising) and within technology (e.g. computers), it is substantially uniform, as it obeys the political and economic division of the world into two major areas: one influenced by the liberal United States and one influenced by the communist Soviet Union. This period is called 'The Three Markets (1960–1991)'.			
8 The Three Markets (1960–1991)	99		
Global Stability	99		
It Seemed Such an Easy Game	99		
Animation Forks	100		
9 America	102		
On the Big Screen – Shorts	102		
On the Big Screen – Feature Films	103		
Stephen Bosustow	104		
A Cat in the Heavy Traffic	105		
Ray Harryhausen	106		
On the Small Screen	107		
Weston Woods, from Book			
to Film	109		
Independent Filmmakers	110		
Ernest Pintoff	111		
Jane Aaron	112		
John Canemaker	113		
George Griffin	114		
Those Talented Inventive			
People	117		
John and Faith Hubley	118		
Will Vinton	120		
Fine Artists for Animation	123		
Jules Engel	123		
Robert Breer	128		
John Whitney	129		
James Whitney	130		
Lawrence Jordan	132		
People Not to Overlook	133		
Stan Van der Beek	134		
Canada	136		
The National Film Board			
Goes to Heaven	136		
Pierre Hébert	138		
Vancouver & Co.	140		
Caroline Leaf	142		

Ishu Patel	144	Jan Lenica	194
Frédéric Back	145	Austria	195
More About It 1	146	Switzerland	197
More About It 2	147	Denmark	201
More About It 3	148	Lejf Marcussen	203
More About It 4	150	Jannik Hastrup	204
10 Western Europe	152	Sweden: Growth	205
Cartoon EU	152	Norway	209
Clusters of Studios	153	Finland: Reserved and Serene	211
New Technologies	153	Iceland	213
The Pre-Production	153	Greece	214
Cartoon Forum	154	Italy: Allegro non Troppo	215
The Cartoon d'Or	154	Bruno Bozzetto	216
Cartoon Movie	154	Gianini and Luzzati	217
Great Britain: The Good Years	155	Osvaldo Cavandoli	220
Alison De Vere	156	Guido Manuli	220
The Quay Brothers	157	Manfredo Manfredi	221
Young Aardman & Co.	164	Cioni Carpi	222
George Dunning	166	Spain	223
Yellow Submarine	166	Francisco Macián	224
Richard Williams	167	The Entertainment Companies	224
Bob Godfrey	168	The Independents	227
Ireland	169	Portugal	228
Aidan Hickey	170	Artur Correia	228
Jimmy Murakami	170	Ricardo Neto	229
France: From Craftsmanship		More Talents	229
to Ambition	172	More About It 1	231
Other French Animators	173	More About It 2	231
Jean-François Laguionie	175	More About It 3	232
Piotr Kamler	177	More About It 4	233
Walerian Borowczyk	178	More About It 5	235
Peter Földes	179		
The Roaring 1980s	180	11 Eastern Europe	236
Belgium	181	German Democratic Republic	236
Raoul Servais	182	Underground Animation Films	240
The Netherlands	185	Poland: The Poetry of Pessimism	242
Børge Ring	187	Mirosław Kijowicz	242
Paul Driessen	188	Daniel Szczechura	243
West Germany (Federal Republic		Stefan Schabenbeck	243
of Germany)	190	Ryszard Czekala	244
Wolfgang Urchs	190	Experiments, Craftsmanship and	
Helmut Herbst	191	Sarcasm	244
Franz Winzentsen	192	Czechoslovakia: Trnka's Heirs	246
The 1980s	192	Jiří Brdečka	247
Curt Linda	193	The Horse Opera	248

Břetislav Pojar	249	Gennady Sokolsky	288
Jan Švankmajer	251	Leonid Nosyrev	289
Besides the Masters	255	Stanislav Sokolov	289
Slovakia	257	Ideya Garanina	290
Hungary	257	Nina Shorina	291
Yugoslavia: The New Zagreb School	262	And Many, Many More	292
Tomica Simović, Animating the		Multitefilm, Soyuzmultfilm's	
Orchestra	262	Competitor	293
Nedeljko Dragić	264	Aida Zyabliakova	293
Zlatko Grgić	265	Anatoly Solin	294
Borivoj Dovniković	265	Fedor Khitruk	294
Igor Savin, Animating		Eduard Nazarov	297
the Synthesizer	268	Garri Bardin	297
Zlatko Bourek	269	Andrei Khrzhanovsky	298
Ante Zaninović	269	Yuri Norstein	301
Marks and Jutriša	270	Francesca Yarusova	304
Pavao Štalter	270	The Old and the New	306
Zdenko Gašparović	271	Perestroika	306
Joško Marušić	272	More About It	309
Other Artists	272		
Beyond Zagreb	273		
Slovenia	273		
Serbia	273		
Bosnia and Herzegovina	273		
Macedonia	274		
Bulgaria	274		
Romania	276		
Albania	278		
More About It	279		
12 Soviet Union I	280	13 Soviet Union II	312
Russia	280	Estonia	312
Thaw	280	Latvia	314
Acclaim	280	Arnolds Burovs	314
Stagnation	281	More Puppeteers	316
The Best Animation Ever	281	Starting from Cut-Outs	316
Stagnation after Stagnation	284	Šmerlis	317
Quality Hatches at Soyuzmultfilm	284	Lithuania	317
Anatoly Karanovich	284	Belarus	318
Roman Kachanov	285	Moldova	319
At Long Last Cheburashka	285	Ukraine	319
Anatoly Petrov	286	1960–1963 the Stage of Formation	319
Boris Stepantsev	287	1964–1967 Creative Searches	319
Nikolay Serebriakov	287	1968–1984 Creative Upraise	320
Ivan Ufimtsev	288	1985–1991 Perestroika	
Vadim Kurchevsky	288	(the Rebuilding)	320
		Georgia	321
		Armenia	323
		Azerbaijan	327
		Kazakhstan	328
		Amen Khaidarov	328
		Uzbekistan	328
		The Puppets of the 1960s	329
		One Decade Later	329
		The Heyday	329
		Kyrgyzstan	330

Trial of Strength (1977–1980)	331	The Crisis of the Mid-1980s	372
Art-Houses and		Akira and the End of the Decade	373
Fairy Tales (1981–1987)	331	Israel	374
The Triumph of Art-Houses		Turkey	374
(1987–1990)	332	Iraq	376
Tajikistan	333	And Sesame Opened	376
Turkmenistan	334	Iran	378
14 Asia	335	Mongolia	379
Japan	335	North Korea	379
Japanese Television	335	South Korea	381
Astro Boy and the Beginning		China	385
of TV Animation	336	Taiwan	386
Tezuka Osamu	337	Hong Kong	387
Mushi Productions	339	India	387
Tezuka Productions	341	The Films Division	387
Studio Tatsunoko	343	Limited Animation	388
A Production/Shin'ei Doga	345	The Private Studios	389
Toei's Fortunes	346	Animation Education	390
Animēshon Sannin no Kai	347	Personal Films	390
Kuri Yoji	348	The Black Decade	390
Animation vs Art Video	353	Sri Lanka	391
Puppet Animation	355	Vietnam	391
Kawamoto Kihachiro	357	Thailand	391
The Tokusatsu Factor	360	Malaysia	392
The Anime Boom in the West	361	Singapore	393
Before the Anime Boom	362	Indonesia	394
The Boom in Europe and Its		The Philippines	394
Appendix in the United States	363	15 Africa	396
In Europe	363	Algeria	396
In the United States	364	Tunisia	397
The Ten Champions	364	Egypt	397
UFO Robo Grendizer	365	Mali	399
Mazinger Z	365	Niger	399
Uchu Senkan Yamato	366	Senegal	400
Kagaku Ninja Tai Gatchaman	366	Liberia	400
Uchu Kaizoku Captain Harlock	366	Ivory Coast	400
Candy Candy	367	Ghana	400
Kido Senshi Gundam	367	Togo	400
Versailles No Bara	367	Burkina Faso	400
Urusei Yatsura	368	Cameroon	401
Captain Tsubasa	368	Zaire	401
Anime	369	Burundi	401
Otaku	371	Zambia	401
The Original Anime Video	372	Mozambique	401
Collaborations	372	Mauritius	402

South African Republic	402	Peru	415
The SABC Animation Unit	402	Brazil	417
Alternative Animation		Bolivia	421
Commissioned for		Jesús Pérez	422
South African Television		Chile	424
(1976–1988)	404	Argentina	424
Dave McKey Animation		Uruguay	425
Services	404		
Annie-Mation Studios	405	17 Oceania	427
Glenn Coppens		Australia	427
Cartoons	405	Yoram Gross	429
More About It 1	406	Independent Filmmakers	431
More About It 2	406	Comics	432
More About It 3	407	Avant-Garde Animation	432
		Harry Reade	434
16 Latin America	408	New Zealand	435
Mexico	408		
Cuba	410	18 Issues	438
Nicaragua	412	Computers and Animation	438
Costa Rica	412	Those Masters' Voices	445
Colombia	412		
Venezuela	414	<i>Index</i>	449

ANIMATION

**A
WORLD
HISTORY**

VOLUME 3

CONTEMPORARY TIMES

**GIANNALBERTO
BENDAZZI**

Contents

The Sixth Period	1	Computer Animation	17
The Sixth Period, since 1991, features economic globalization, the expansion of television series, developments in such countries as Japan, Korea, China, and India, and the consolidation of elitist <i>auteur</i> animation. But it is impossible to write history while it is in the making. So we'll leave this period, its contributions, and its legacy open to interpretation as we explore these 'Contemporary Times (1991–2015)'.		What It Looked Like	17
1 Contemporary Times	3	Storytelling	18
The Last Days of the Wall	3	CGI and Feature Films	18
An Animation Notebook	4	Tim Burton, Henry Selick, Mike Johnson	25
2 North America	5	Tim Burton	26
Is TV an Art Too?	5	Henry Selick	27
Animation Followed	5	Mike Johnson	30
Sub-Period 1: The Beginning, 1989–1998	6	The Independents	30
Mike Judge	7	Outside Animation	31
Nickelodeon's Double Humour	7	Duration: Long Form	31
A Matter of Style	8	Duration: Time and Space	34
The Extremist	9	Performance Catharsis	35
Sub-Period 2: 1999–2009	9	Documentary	36
Authors' Work	10	New Yorkers	37
Animated Channels	10	Out There	39
Limited Disney	10	Digital Pulp	41
Renaissance in Disney Features	11	Women in the Limelight	42
The Mantle of Walt	12	Vibeke Sorensen	42
Working on Dreams	13	Deanna Morse	46
Pixar: Character Animation in the Digital Era	14	Joanna Priestley	46
Before Pixar	14	Maureen Selwood	48
From <i>Toy Story</i> to Disney	15	The Soloists	48
The Pixar Touch	16	Bill Plympton	48
		Igor Kovalyov	51
		Canada	54
		Steven Woloshen	60
		Normand Roger	60
		Wendy, Amanda, and the Others	62
		Jacques Drouin	63
		The Evolution of Pierre Hébert	64
		3 Europe	68
		Great Britain: The Wonderful Years	68
		Channel 4 Animation	69

Animation Meets Video Art	80	Denmark	129
Londoners	87	Sweden	131
In Manchester	90	Magnus Carlsson	131
In Cardiff	90	Norway	132
Scotland	90	Finland	135
Ireland	90	Iceland	136
Studios	91	The Invasion of the Elves	137
Independents	94	Estonia	137
France	97	Priit Pärn	140
The Feature Film	97	Latvia	144
Animation and Comic Strips	98	Lithuania	147
3D and Infography	100	Belarus	148
TV Series	102	Poland	150
The Short Film	102	Piotr Dumala	152
That Famous Touch	105	Jerzy Kucia	154
Michel Ocelot	105	Czech Republic	156
Florence Miailhe	106	Michaela Pavlátová	156
Alain Gagnol and Jean-Loup		Jiří Barta	158
Felicoli	108	Jan Balej	158
Borislav Šajtinac	108	Pavel Koutský	159
Belgium	109	Vlasta Pospíšilová	160
Luxemburg	111	Aurel Klimt	160
The Netherlands	111	Other Czech Artists	160
Rosto	114	Slovakia	161
Michael Dudok de Wit	114	Hungary	162
Germany after Reunification	116	Slovenia	165
The German Colleges: Where the		Croatia	166
Art of Animated Film Began	117	Joško Marušić	167
The Renewal of the Abstract		Serbia	168
Animated Film	117	Bosnia and Herzegovina	168
Underground, Subversion, and		Bulgaria	169
Animation	117	Romania	170
Reduction	118	Cyprus	171
Reflection and Narrative	119	Ukraine	172
The Art of Puppet Animation	120	Georgia	173
Winning Students	121	Armenia	174
Humourous Germany? Animated		Robert Sahakyants	175
Movie Theatre Productions	121	Azerbaijan	176
New Form of 3D-Rendered		Greece	177
Computer Animations	122	Yiorgos Sifianos	178
Bärbel Neubauer	122	Albania	178
Austria	125	Italy	179
Switzerland	126	The Neo-Pictorial Current	180
Georges Schwizgebel	126	Spain	185
A Case of Form	127	The New Era	186
Other Animators	127	The Turning Point	186

TV Series	188	Challenges	248
Shorts	188	Israel	248
Portugal	188	Israeli – American Tatia Rosenthal	253
Russia	191	Turkey	253
History of the 1990s	191	Arabian Middle East	255
History of the 2000s	192	Palestine	255
Economy	193	Jordan	255
A Look Back, in Anger	194	Syria	256
Tatarsky and Pilot, the Greatest		Lebanon	258
Adventure	194	Iraq	258
Producers: The New Class	197	Kuwait	259
Prokhorov, from Science to Children's		Saudi Arabia	259
Films	199	Bahrain	260
Directors	200	Qatar	260
More About It 1	210	Emirates – Dubai	260
More About It 2	213	Oman	261
4 Asia	214	Yemen	261
Japan, Asiatic Giant	214	Iran	261
A Lost Decade?	214	Kazakhstan	262
Studio Ghibli	215	Zhaken Danenoy, the Master	263
Takahata Isao	216	Younger Kazakhs	263
Miyazaki Hayao	219	Uzbekistan	263
More Animation Studios	222	Kyrgyzstan	264
Kawaii	227	New Period, New Horizons	265
Dezaki	228	Tajikistan	265
Rintarô	229	Bakhtier Kakharov	266
Oshii Mamoru	229	Turkmenistan	266
Kon Satoshi	230	Mongolia	266
Otomo Katsuhiro	231	South Korea	268
Kawamori Shoji	231	China	270
Kawajiri Yoshiaki	232	Short Chinese Animation 1990–2000	271
Morimoto Koji	232	Investment and a New Mainstream	271
A New Kind of Serial	233	Animation Studios	273
Satellite Channels	234	Taiwan	274
The Main Directors of		Taiwan Independent	274
New Serial Animation	235	Hong Kong	276
Internet and CG Anime	237	India	278
Visual Art, Anime, and Manga	238	Nepal	281
Murakami Takashi	238	Southeast Asia	281
Tabaimo	238	Vietnam	282
Ishida Takashi	238	Thailand	282
The Superflat World	239	Malaysia	283
Independent Animation	239	Singapore	284
More Independent Animators	243	Indonesia	286
Conclusions	247	The Philippines	287
		More About It 3	288

5 Africa	291	Jamaica	313
Morocco	291	Saint Lucia	314
Algeria	291	Barbados	314
Tunisia	291	Trinidad and Tobago	314
Libya	292	Guatemala	315
Egypt	292	Honduras	315
Mali	293	El Salvador	315
Niger	293	Costa Rica	315
Sudan	294	Panama	316
Ethiopia	295	Colombia	317
Senegal	296	Venezuela	318
Ivory Coast	296	Ecuador	319
Ghana	296	Peru	319
Benin	297	Brazil	320
Burkina Faso	297	Bolivia	323
Nigeria	298	Paraguay	324
Cameroon	300	Chile	325
Kenya	300	Argentina	326
Democratic Republic of		Features	326
Congo (DRC)	302	Short Films	328
Mozambique	302	Appearance of Schools	328
Madagascar	302	Uruguay	329
Zimbabwe	303	7 Oceania	331
The JAAG Group	305	Australia	331
South African Republic	305	Volumetric Leunig	332
Frame-by-Frame Animation		Death Becomes Him	332
Studios	305	Adam Elliot	333
Klaybow Films	306	Anthony Lucas	334
Lindsay van Blerk and XYZoo	307	And Many More	335
Triggerfish Studios	307	New Zealand	336
Commercial Studios	309	8 Issues	339
William Kentridge	309	Music Videos	339
6 Latin America	311	Stereoscopy	343
Mexico	311	The Audience's Literacy	344
Feature Films	312	Optical Perception and Film	
Cuba	313	Language	344
English-Speaking Caribbean Area	313	Machinima, Real-Time Animation	346

Contributors and Collaborators

Supervising Collaborators

Cinzia Bottini and Paolo Parmiggiani

Contributors

Fabia Abati, Midhat Ajanović, Ricardo Arce, Rolf Bächler, Laura Buono, Stefania Carini, Alessandro Cavaleri, Joe Chang, Camilo Cogua, Olivier Cotte, Rolando José Rodríguez De León, Janeann Dill, David Ehrlich, Raúl Rivera Escobar, Dizseri Eszter, Shoyista Ganikhanova, Mohamed Ghazala, Silvano Ghiringhelli, George Griffin, Francesca Guatteri, Mikhail Gurevich, Orosz Anna Ida, Marcel Jean, Corinne Jenart, Heikki Jokinen, Mariam Kandelaki, Annemette Karpen, Antonina Karpilova, Elena Kasavina, John Lent, Marcos Magalhães, Lisa Maya Quaianni Manuzzato, Philippe Moins, Hassan Muthalib, Ebele Okoye, Tsvika Oren, Irena Paulus, Marco Pellitteri, Valentina Pezzi, Francesca Pirota, Igor Prassel, Liliana de la Quintana, Maddalena

Ramolini, Thomas Renoldner, Alberto Rigoni, Emilio de la Rosa, Federico Rossin, Giovanni Russo, Jaan Ruus, Shanaz Shapurjee Hampson, Elena Shupik, Charles Solomon, Vibeke Sorensen, Gunnar Strøm, Enis Tahsin Özgür, Ieva Viese, Hans Walther, Ulrich Wegenast, Jumana Al-Yasiri, and Ran Zhang.

Columnists

Gianluca Aicardi, Anna Antonini, Marianna Aslanyan, Marianna Busacca, Adam De Beer, Nobuaki Doi, Sara Fumagalli, Maureen Furniss, Dina Goder, Tommaso Iannini, George Khoury, Clare Kitson, Jónas Knútsson, Mihai Mitrică, Michela Morselli, Tsvetomira Nikolova, C. Jay Shih, Georges Sifianos, Gulbara Tolomushova, and Paul Wells.

Editors

Ray Kosarin and Andrew Osmond