



Timing for Animation

By John Halas, Harold Whitaker

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A classic of animation education since it first published in 1981. For more than 25 years, copies of *Timing for Animation* have been sitting dog-eared and spine-split on desks and workstations around the world wherever animation is produced. All you need to breathe life into your animation is at your fingertips.

All the vital techniques employed by animators worldwide are explained using dozens of clear illustrations and simple, straightforward directions. Learn how animations should be arranged in relation to each other, how much space should be used and how long each drawing should be shown for maximum dramatic effect. Fully revised and updated, the second edition includes timing for digital production, digital storyboarding in 2D, digital storyboarding in 3D, the use of After Effects and much, much more!

- Timing shows weight, mood, and power and can make or break an animation - get it right the first time with these tried and tested techniques
- Get straight to the good stuff with simple, no-nonsense instruction on the key techniques like stretch and squash, animated cycles, overlapping, and anticipation

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Editorial Review

Review

"Among my favourite books, Timing for Animation (Focal Press), by Harold Whitaker and John Halas ranks high. Originally written in 1981 (and newly revised in 2009) this slim volume presents a thorough analysis of the many kinds of timing issues one encounters in producing a narrative style animated film. Timing on Bar Sheets, Movement and Caricature, Newton's Laws of Motion, Objects Thrown Through the Air, Timing a Slow Action, Timing a Fast Action, Timing to Suggest Weight and Force... these are only a few of the many chapters included. A thoroughly compiled manual, it's an old and current favourite."--Animation World Network

About the Author

Known as the "father of animation" and formerly of Halas and Batchelor Animation unit, John produced over 2000 animations, including the legendary "Animal Farm" and the award winning "Dilemma". He was also the founder and president of the ASIFA and former Chairman of the British Federation of Film Societies.

BAFTA-nominated professional animator and educator for 40 years, many of his students number among today's most outstanding animation artists.

Tom Sito is an Adjunct Professor of Animation at USC, Woodbury College, and UCLA and has written numerous articles for Animation Magazine and Animation World Network. Tom's screen credits include the Disney classics THE LITTLE MERMAID (1989), BEAUTY & THE BEAST (1991), ALADDIN (1992), THE LION KING (1994), WHO FRAMED ROGER RABBIT (1988), POCAHONTAS (1995), FANTASIA (2000) and SHREK (2001). Tom is President-Emeritus of the Hollywood Animation Guild Local 839 IATSE. He is vice president of the International Animator's Society (ASIFA/Hollywood) He is a member of the Motion Picture Academy, the National Cartoonists Society and Hollywood Heritage. In 1998 he was named in Animation Magazine's list of the 100 Most Important People in Animation.

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