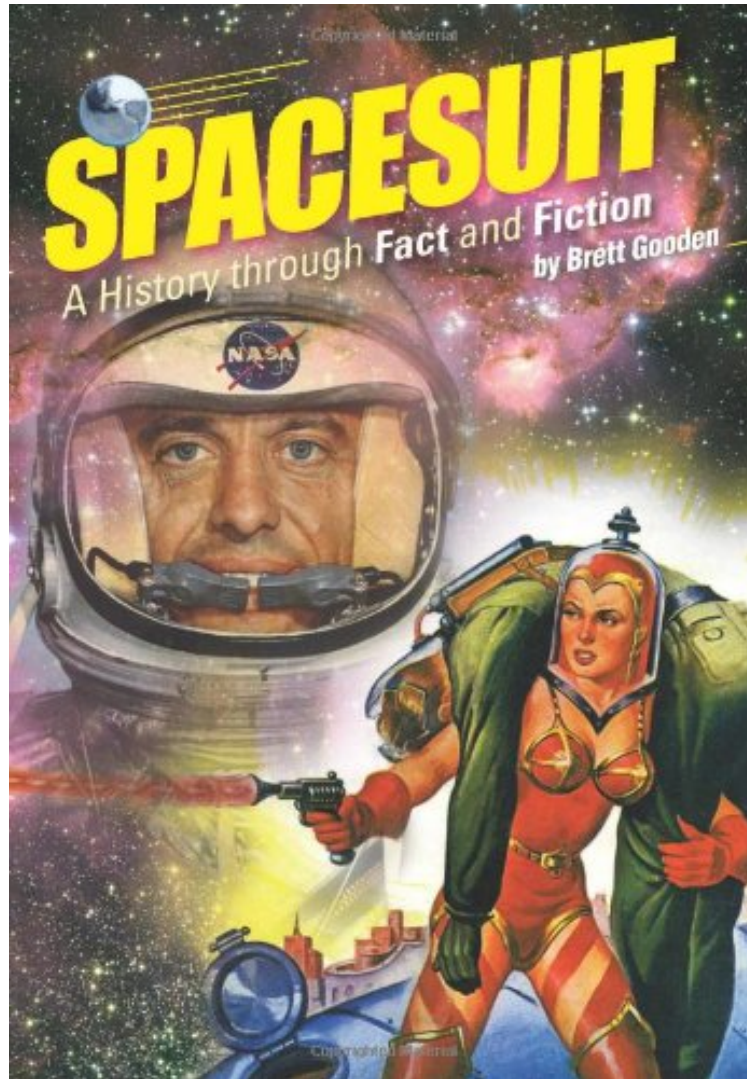


[Download pdf ebook] Spacesuit: A History through Fact and Fiction

## Spacesuit: A History through Fact and Fiction

*Brett Gooden*

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**Brett Gooden : Spacesuit: A History through Fact and Fiction** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Spacesuit: A History through Fact and Fiction:

1 of 1 people found the following review helpful. Really about real spacesuits By David Redell Despite the amusing cover art, this book is almost entirely about real spacesuits. So if you are looking for vintage sci-fi cheesecake shots of imperiled women in bikinis and glass helmets, this is not your book. But if you want to understand the real challenges facing the designers of real spacesuits, this book is great.

Recipient of the American Astronautical Society's 2012 Eugene M. Emme Astronautical Literature Award The space

suit is an icon of space flight. It is the very symbol of interplanetary exploration – of pioneering adventure, of excitement and danger, and of man's quest to learn more of other worlds. This book follows the remarkable history of the space suit through science fiction and fact. With an absorbing blend of drama and detail, Brett Gooden explains how this seemingly impossible dream gradually evolved into the complex suits of today and how the quest continues for the 'Mars and Beyond' suits of tomorrow. Man has dreamt of flying into space and walking on other planets for hundreds of years. But the risks to the human body involved in making this a reality were only first recognized when, in the 1800s, an adventurous few climbed high mountains and took the first tentative steps into the sky under hydrogen filled balloons. Gradually it became clear that to leave the earth's atmosphere and gravity, our frail bodies would need protection from many dangers. Jules Verne, in his epic novel *Around the Moon* in 1872, recognized this need and was one of the first to suggest that some form of suit, similar to that used by deep sea divers, might allow his space voyagers to venture safely into the vacuum outside their spaceship. In the period between the World Wars, daring pilots, competing with each other, ventured higher and higher into the thinner atmosphere. They challenged the physiologists and engineers to provide them with special suits to achieve this goal. At the same time, cheap pulp fiction magazines pumped out colorful adventures of humans in space. Their eye-catching cover illustrations became the archetypal feature of these 'pulp' and allowed artists to give vent to their wildest fantasy. Nevertheless, their inventive dreams for space suits fed back to the scientific community. Fiction influenced fact. Complemented by astonishing and detailed illustrations, this book unlocks the seemingly impenetrable secrets of how the space suit was made into a practical and essential device. How simple everyday items such as the car tire, the caterpillar and the concertina provided critical clues that eventually brought the space suit to reality. This is the fascinating, extraordinary and often bizarre story of the Space suit – through Fact and Fiction.

finely detailed and analytical...will engage, inspire, and inform readers from advanced middle school through adults, regardless of their foreknowledge on the subject. Spacesuit, the book and the object itself, is an inspiring microcosm of astronomical history and engineering (Spacetimes)About the AuthorFrom the age of eight, when he insisted that his mother take him to see the seminal science fiction film *Destination Moon*, Brett Gooden has had a fascination for the fact and fiction of human spaceflight. In 1961 he joined the British Interplanetary Society (UK) and was elected a Fellow of the Society in 1973. In 1967 he became a member of the Space Medicine Branch of the Aerospace Medical Association (USA). He obtained his MB, BS (1967) and MD (1972) degrees from the University of Adelaide, and PhD (1978) from the University of Nottingham (UK). He was elected to membership of Sigma Xi, the Scientific Research Society (USA) in 1973 and the Physiological Society (UK) in 1975. His scientific research in Australia, USA and UK has dealt largely with aerospace and diving medicine. He authored one of the earliest reviews of the physiological responses of man in orbit in *Spaceflight* 1964. His books include *Diving and Asphyxia: a comparative study of animals and man* (Cambridge University Press, 1983, reprinted 2009), *Spaceport Australia* (Kangaroo Press, 1990), *Echidna: extraordinary egg-laying mammal* (CSIRO Publishing, 2006) and *Projekt Natter – Last of the Wonder Weapons: The Luftwaffe's vertical take-off rocket interceptor* (Chevron Publishing Limited, 2006). He lives in Australia.