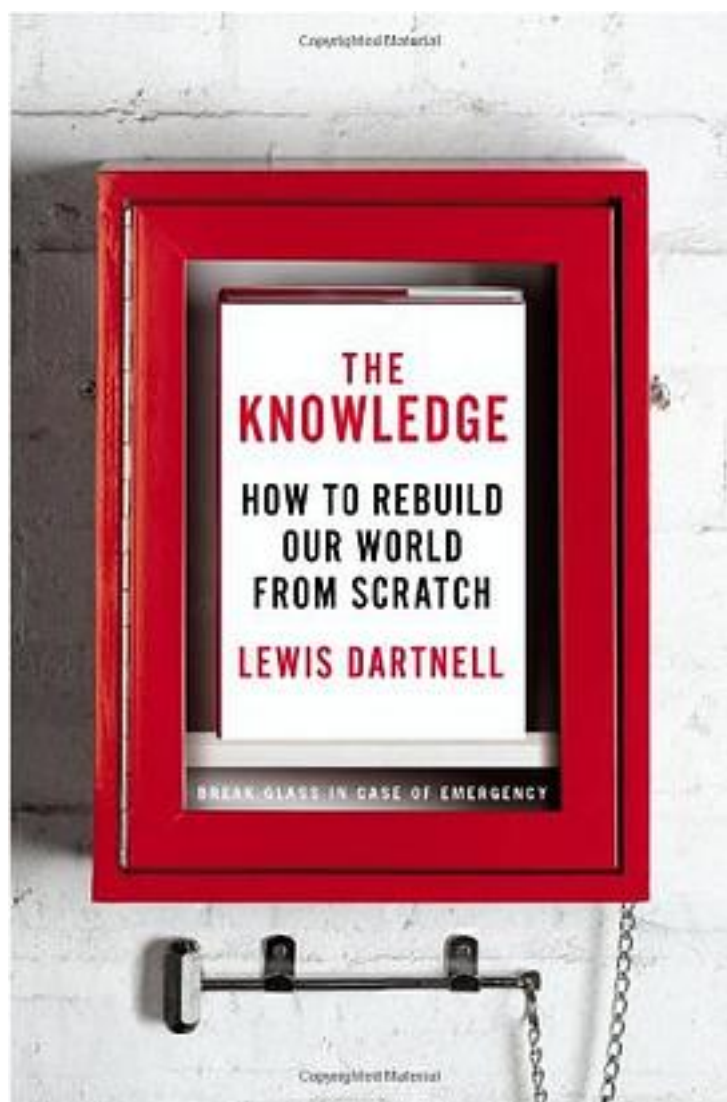


The Knowledge



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著者:Lewis Dartnell

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How would you go about rebuilding a technological society from scratch?

If our technological society collapsed tomorrow, perhaps from a viral pandemic or catastrophic asteroid impact, what would be the one book you would want to press into the hands of the postapocalyptic survivors? What crucial knowledge would they need to survive in the immediate aftermath and to rebuild civilization as quickly as possible—a guide for rebooting the world?

Human knowledge is collective, distributed across the population. It has built on itself for centuries, becoming vast and increasingly specialized. Most of us are ignorant about the fundamental principles of the civilization that supports us, happily utilizing the latest—or even the most basic—technology without having the slightest idea of why it works or how it came to be. If you had to go back to absolute basics, like some sort of postcataclysmic Robinson Crusoe, would you know how to re-create an internal combustion engine, put together a microscope, get metals out of rock, accurately tell time, weave fibers into clothing, or even how to produce food for yourself?

Regarded as one of the brightest young scientists of his generation, Lewis Dartnell proposes that the key to preserving civilization in an apocalyptic scenario is to provide a quickstart guide, adapted to cataclysmic circumstances. *The Knowledge* describes many of the modern technologies we employ, but first it explains the fundamentals upon which they are built. Every piece of technology rests on an enormous support network of other technologies, all interlinked and mutually dependent. You can't hope to build a radio, for example, without understanding how to acquire the raw materials it requires, as well as generate the electricity needed to run it. But Dartnell doesn't just provide specific information for starting over; he also reveals the greatest invention of them all—the phenomenal knowledge-generating machine that is the scientific method itself. This would allow survivors to learn technological advances not explicitly explored in *The Knowledge* as well as things we have yet to discover.

The Knowledge is a brilliantly original guide to the fundamentals of science and how it built our modern world as well as a thought experiment about the very idea of scientific knowledge itself.

作者介绍:

Dr. Lewis Dartnell is a UK Space Agency research fellow at the University of Leicester and writes regularly for *New Scientist*, *BBC Focus*, *BBC Sky at Night*, *Cosmos*, as well as newspapers including *The Times*, *The Guardian*, and *The New York Times*. He has won several awards, including the *Daily Telegraph* Young Science Writer Award. He also makes regular TV appearances and has been featured on *BBC Horizon*, *Stargazing Live*, *Sky at Night*, and numerous times on *Discovery* and the *Science* channel. His scientific research is in the field of astrobiology he works on how microorganisms might survive on the surface of Mars and the best ways to detect signs of ancient Martian life. He is thirty-two years old.,,

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评论

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书评

末世题材一直是科幻小说的关注点，最近辐射4发售引起大批老粉丝激动，为此国内最好的游戏podcast：Gadio，专门做了连续的节目介绍辐射的相关知识。看完本书，我想也许会有类似的主题会被游戏化：在大灾变后，该如何在废墟上建设家园，重新启动人类的文明。作者从多方面，对重...

今日百科手册 末日生存指南
近几年的电影和文学，常常以末日逃生为切入点，灾难片花式来袭，来自外星异种的能量攻击，莫名爆发的丧尸疫情，神秘组织的蓄意毁灭，于是我们也跟着主角一起经历了人间悲喜，大难逃生，为求得一张...

如果人类文明将不复存在，搭上“诺亚”方舟时只能携带一件物品，你会选择什么呢？或许路易斯·达特内尔的科普读物《世界重启》不失为一个好选择。无论是生存最重要的庇护所、净水和食物，还是保障生活质量的燃料、药品和资源，携带的物资终有耗竭的一天。而科学知识是重建文明...

喜欢通识，或者喜欢科学，或者喜欢科幻、尤其是硬科幻的读者，应该要读读这本书。当然这显然不是一本科幻小说。
本书源于一场思维实验——假如末日过后，幸存者该如何重启文明？单说脑洞，其实也不大，科幻巨擘大刘曾说，“科幻小说中的末世题材，就像主流文学中的爱情题材一...

这是一本Sheldon同款理工nerd写出来的有趣而癫狂的书，它讨论的问题有可能关乎整个人类的命运，同时也有可能狗屁不值。总之，这本书讨论的是人类文明一旦被回档洗点之后该怎么重新点亮技能树的古怪问题。玩过《文明》系列游戏的人知道，科技树的点亮顺序会影响一个文明的发展进...

“遗址在我心中投下巨石。万物自无中来，向无中去，一切终将消逝，只有世界继续，时间永恒。我总能看到周围的事物宣告逝去，使我只能对正在发生的一切全盘接受。峰峦拔地而起，森林被夷为平地——与之相比，我短暂的存在渺若微尘。”
1767年，狄德罗在沙龙随笔中如此写道。与...

末日生存是个十分有趣的思想实验，对于这一设想我们乐此不疲，各种电影小说，比起这些侧重描写末日后的残破人类的脆弱，显然这部书更“务实”，从基本的保命技能到提高生活品质到后期重建人类文明，不疾不徐一一道明。
作者设想了几种末日情节，从最坏的核冬天末日，到只是大批...

这只是一场思维游戏，作者的知识面非常之广，这是不容置疑的，但是，盲目的乐观，只会在末世重生后，带来灭顶之灾，食物，水源，武器，弹药，这些才是最重要的，非是悲观，而是永远不要低估人心之恶，平时，我们都是衣冠禽兽，不杀人，只是因为怕犯法，一旦失去了法律的控制，...

1月30日开始读这本书，知道它是因为“得到”推荐。当然，世界末日的解题思路也非常吸引人。当然，读完本书，可能更多地是惊叹于人类的科技和其发展的历史，对末日的恐慌却没有那么关注了。[世界重启]

我读这本书的情感反应路线如下。1，恐惧。原来世界末日到来以后会这样？现...

01

作者在书中进行了一个思维实验，假设人类文明突然崩溃，一部分人幸存了下来，但城市、交通、粮食、衣服等基础设施都停止了维护和供应，在这样的情况下，幸存者们该怎么办？

在灾难发生之后，会有一段时间的“宽限期”，小群体的幸存者在大灾之后的短时间可能会过的相当舒服...

如果真正有世界重启的那一天，那么作为独立的个体想要遵循书中的内容快速重建文明社会基本不可能实现，人毕竟是社会动物，分工协作仍然是唯一的选择，另外本书只是提供了恢复原有文明的指南，重启之后世界有可能完全朝着现有人类无法理解的方向高速发展，蒸汽朋克有可能实现， ...

科学技术是第一生产力。人类社会的发展进步，都是追随者科学技术的进步，呈现着跳跃式发展的态势。特别是现代科技的突飞猛进，使我们对世界的理解呈指数级的增长，为人类文明开辟了更为广阔的空间。但同时也应该看到，科技的发展给我们未来世界埋下了隐患。病毒、核弹、恐怖袭...

大灾难过后的你我应该怎么做？-评《世界重启》文/信实的精灵

写作此文之前，我问了旁边的S先生一个问题，“假如把你一个人扔到火星上面，请问你怎么活下来？”这句话是问他的，同时也可以问问我自己，“我行吗？我该如何活下来...

《世界重启》的格局很宏大，大灾变之后，如何快速再造人类文明？这是一本末世之后幸存者的圣经。不过这个末世有相当大的限制条件——仅是针对生物类的灾难而言，即人类大批量死亡，无生命物体如建筑、家具，或非人类生命如昆虫、树木都不受任何影响的情况而言，非此情况， ...

当你坐在电影院里看着诸如《生化危机》这样的好莱坞大片时，有没有想过有一天当我们真的突然间失去了秩序与联系，无数人在地球的毁灭中化为灰烬亦或是变成“僵尸”，而你恰好就是少数的幸存者。面对这令人绝望又沮丧的一切，你会怎么做？

如果没有看过路易斯的《世界重启》而...

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