

## Build Pulse Jet Engine

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better. Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

How to Find, Keep, and Nurture Talent

1944

Whoosh Boom Splat

Dudley Buck was a brilliant scientist who developed or invented several early pieces of now-common technology (e.g. microchips, flash drives) in the 1950s. Like his Nobel-winning colleagues, he might have benefitted from them greatly, had he not died aged 32 of a mysterious heart attack, just after a high-profile group of Soviet scientists visited his lab on a cold war-era tour of the USA. Buck was not the only scientist to expire that day – his colleague Dr Ridenour, chief scientist at Lockheed, also died of an unexplained heart attack. Both deaths are consistent with KGB contact-poison hits. Recently discovered papers reveal Buck ' s extensive career in clandestine government work, that had led to his contact with Russia ' s top computer scientists. His work was filed away and rediscovered in the 1980s when it was used in research projects by NASA. A fascinating narrative history of Cold War era computer and tech research, combining social historical elements to produce a brilliant portrait of America in the mid-20th century.

From the legendary founder of Atari and Chuck E. Cheese ' s and Steve Jobs ' s first boss, the secrets to finding, hiring, keeping, and nurturing creative talent. The business world is changing faster than ever, and every day your company faces new complications and difficulties. The only way to resolve these issues is to have a staff of wildly creative people who live as much in the future as the present, who thrive on being different, and whose ideas will guarantee that your company will prosper when other companies fail. A celebrated visionary and iconoclast, Nolan Bushnell founded the groundbreaking gaming company Atari before he went on to found Chuck E. Cheese ' s and two dozen other companies. He also happened to launch the career of the late Steve Jobs, along with those of many other brilliant creatives over the course of his five decades in business. With refreshing candor, keen psychological insight, and robust humor, Bushnell explains in Finding the Next Steve Jobs how to think boldly and differently about companies and organizations—and specifically the people who work within them. For anyone trying to turn a company into the next Atari or Apple, build a more creative workforce, or fashion a career in a changing world, this book will enlighten,

challenge, surprise, and amuse.

U.S. Navy Civil Engineer Corps Bulletin

The strange death of a pioneering Cold War computer scientist

The Collected Works of F.H. Reynst

*Designed to change the course of the war, the V weapons required ambitious plans to defend their expensive and complicated launch sites. Steven J Zaloga describes the configuration and planned deployment of heavy missile sites, as well as the unique Allied tactics developed to counter this threat, including a remote-control version of the B-17 bomber. From the V-1 ski sites to the mobile basing employed by the V-2 units and the other secret weapons bases like the 'V-3' high-pressure gun at Mimoyeques, this book examines the impact of these weapon systems and defences not only on the war but on modern weaponry. With many of the sites described still surviving today, this is a perfect companion for a tour of the V weapon sites built during World War II.*

*A three year compendium of Adam Revson's contributions to CARtoons Magazine, including CARTunes how-to and technical articles, Paper Racer model cut-outs, and of course his witty and warped comics from Mike Biscayne to Sir Ron D. Rond. The volume also includes all-new, never published sequential art and illustrations and features a biopic of original editor Dennis Ellefson. Toss in a history of the iconic Petersen Publishing title, and you've got a must-have compilation of automotive art, humor, and tech. In living color!*

*The V2 and the German, Russian and American Rocket Program*

*The Restoration of the Army Air Corps, 1947-1953*

*American Modeler*

A total of 10,500 missiles were launched as part of the V1 attack, of which 3,957 were destroyed by the defences. Indeed, it could have been much worse, for by the end of the war the Germans had manufactured close to 32,000 flying bombs. The defences put forward to guard against the V1 were formidable - 23,000 men and women with their guns, radar and communications networks were installed on coastal sites. Squadrons of Britain's newest Spitfires, the F XIVs, and Hawker Tempest Vs were kept at home to battle the new menace. Rushed into action in July 1944 to help counter the V1 threat, Britain's Gloster Meteor I was the first jet fighter to enter RAF service. On 4 August the Meteor scored its first V1 victory. Having just closed in on a flying bomb, its officer squeezed the trigger but his guns jammed. Using the Meteor's superior speed, he was able to overtake the missile and, using his wing tip, he tipped the craft over and sent it crashing into the ground. The interceptions between the V1 and Britain's Gloster Meteor were historic, and ushered in a new era of aerial combat.

Aviation technology progressed by leaps and bounds during the late 1930s and early 1940s. Although much of this was due to advances in airframe design, much less appreciated is the role of aero engine development. This book focuses on this aspect, particularly German piston aero engine design and development, which has been generally under researched and under

published compared to Allied piston aero engines. It covers key piston aero engines such as those produced by Daimler-Benz, BMW, and Junkers, as well as less well appreciated engines such as those produced by Siemens, Argus, and Hirth. It also covers turbojets and rockets, particularly the Junkers Jumo 004 and Walter 109-509 that powered the infamous Messerschmitt Me 262 and Me 163 jet and rocket fighters. Finally, the book concludes with tables comparing Allied and German piston engines, a glossary of key terms, and a bibliography....

German Aero Engines of World War II

Popular Science

World War 2 In Review

*It is the end of the Cold War. Defense markets begin to dwindle as the global community emerges into the new era of perestroika. Military engine manufacturers brace for the impact, and in a surge of survival instinct and shrewd business sense, one makes the transition into the commercial engine market and eventually surpasses the rest. Witness as GE Aircraft Engines moves from military markets to commercial ventures through the eyes of a 40-year company veteran. Robert Garvins enlightening history details the political and external forces affecting the engine industry and how GE avoided some of the problems posed by environmental politics. Much more than a memoir, "Starting Something Big" tracks GE's progress from the early 1950s to its present-day dominance in the global market. Interview accounts and anecdotes add personal flair to Garvins analysis of the long-term economic characteristics of the aircraft engine industry, including GE's contract with the U.S. Department of Commerce to help Russian aerospace engineers adapt and survive in civil markets. You'll learn, through Garvins experience, how to gain an edge in finding money for new programs, staying competitive in the production of commercial aircraft engines, and positioning your financial investors and start something big of your own.*

*Merriam Press World War 2 In Review Series. First eBook Edition 2017. Coverage of a variety of topics on World War II in these 17 articles: (1) Don't Forget the Privates: The Infantryman Won the War in Europe (2) The 3rd U.S. Infantry Division Crosses the Meurthe (3) Dieppe in Retrospect: It Paid Off on D-Day (4) A GI's Wartime Letters (5) 513th U.S. Parachute Infantry Regiment, 1942-1945 (6) The 3rd U.S. Infantry Division in World War II (7) Command Decision: The Sacrifice of General George C. Marshall and the Normandy Invasion (8) Battle of Arnhem (9) Arnhem: Headlong Into Hell (10) Battle of the Atlantic (11) Walther Dahl: Jagdflieger (12) Stalingrad: An Examination of Hitler's Decision to Airlift (13) Admiral Isoroku Yamamoto, Japanese Navy (14) The Passing of Harry Hill, British Merchant Seaman (15) Aerial Combat Tactics (16) A Brief History of Guided Missiles in World War II (17) The Night a Japanese Sub Shelled the California Coast. 282 B&W/color photos/illustrations.*

*Pulsating Combustion*

*The Best in Model Planes, Radio Control, Model Boats*

*CARtoons by Revson: The First Three Years*

In this revised and expanded edition, William Gurstelle shows ordinary folks how to build a dozen fun and impressively powerful launchers with inexpensive household and hardware store materials. This new edition includes three new projects along with diagrams, photographs, and fascinating science information. With a strong emphasis on safety, the book also gives tips on troubleshooting and describes each machine's historical origins as well as the science behind it. Workshop warriors and tinkerers at any skill level will love these new exciting DIY projects.

German V-Weapon Sites 1943-45

Meteor I vs V1 Flying Bomb

The Oil Engine and Gas Turbine