

New Vanguard

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M3 & M5 Stuart Light Tank 1940–45



Steven J Zaloga • Illustrated by Jim Laurier

M3 M5 Stuart Light Tank 1940 45 New Vanguard

David Fletcher



M3 M5 Stuart Light Tank 1940 45 New Vanguard:

M3 & M5 Stuart Light Tank 1940-45 Steven J. Zaloga, 2022-04-28 The M3 and M5 family of light tanks were the culmination of American tank development of the 1930s By the time of the outbreak of the World War II they were approaching obsolescence as tank forces in Europe were shifting from light to medium tanks as the main element of their armored forces First entering combat in the autumn of 1941 in the Western Desert with the British Army the Stuart quickly proved its inadequacies The M3 and M5 light tanks proved more suitable in the Pacific theater than in Europe and fought successfully in many of the major battles including Guadalcanal Tarawa and Peleliu This title narrates this distinctive and unusual fighting vehicle s history

Modelling the M3/M5 Stuart Light Tank Steven J. Zaloga, 2012-04-20 The M3 and M5 Stuart were the most significant light tanks of the US Army as well as many other allied armies during World War II They have proved to be popular modelling subjects ever since largely due to the large number of kits available in many different scales covering a broad selection of the different variants used The Stuarts were also painted in a wide range of colourful camouflage schemes reflecting their widespread service and this adds to their appeal This title shows a number of different ways to model this popular tank in 1 35 scale covering construction painting and weathering the vehicle

US Marine Corps Tanks of World War II Steven J. Zaloga, 2012-01-20 During World War II the US Marine Corps formed six tank battalions that battled through the harsh conditions of the Pacific Theatre Using the same basic tanks as the US Army notably the M3 and M5A1 light tanks and the M4 Sherman medium tank the marines made both technical and tactical innovations to make them more effective in the fight against the Japanese Deep wading equipment flamethrower tanks and even wooden armor all became part of the Marine arsenal This book examines the tactics and technology that made the US Marine Corps tank service unique in the annals of warfare

US Army Tank Crewman 1941-45 Steven J. Zaloga, 2013-08-20 Revealing what it was like to live and fight in a medium tank this book is structured around the career of a single tanker from 37th Tank Battalion 4th Armored Division The focus is largely on the crew of an M4 Sherman though light tank service is also studied Tank operation required a well trained and well coordinated crew The crew positions and roles of tank commander gunner driver loader and assistant driver are all covered in detail together with recruitment procedure specialist training and the variety of specialized clothing and personal weaponry

US Flamethrower Tanks of World War II Steven J. Zaloga, 2013-10-20 The US Army and Marine Corps experimented with a wide range of flame thrower tanks through World War II in both the European and Pacific theaters Although the US Army deployment of flame thrower tanks in the ETO was problematic at best flamethrowers were much more widely used in the Pacific theater and became ubiquitous by 1945 including an entire Army flamethrower tank battalion on Okinawa in 1945 the largest single use of flamethrower tanks in World War II This illustrated guide explores initial attempts at the use of auxiliary flamethrowers by both the US Army and Marine Corps in 1943 the standardized adoption of the Satan flamethrower tank by the Marines in 1944 the development of

main gun flamethrowers by the Marines and US Army based on the POA CWS designs and the myriad other types tested in combat including the powerful LVT 4 design using Navy flamethrowers at Peleliu in 1944 Alongside specially commissioned artwork this in depth study charts the course of innovation on these tanks up to the final year of the Pacific war where Flamethrower tanks became one of the most important solutions in American tactics **British Battle Tanks** David Fletcher, Steven J. Zaloga, 2018-08-23 This lavishly illustrated volume details the design development and operational history of US made tanks in British service in the Second World War The idea of British soldiers using American tanks was not viewed with a great deal of enthusiasm by the British Army They perceived American tanks as being crudely made mechanically unsophisticated and impossible to fight in However once British crews got used to them and learned to cope with some of their difficulties such as limited fuel capacity and unfamiliar fighting techniques they started to see them in a far more positive light in particular their innate reliability and simplicity of maintenance This book the last in a three part series on British Battle Tanks by armour expert David Fletcher concentrates on World War II and studies American tanks in British service some of which were modified in ways peculiar to the British It shows how the number of these tanks increased to the point that they virtually dominated as well describing some types such as the T14 and M26 Pershing which were supplied but never used in British service **US Battle Tanks 1917-1945** Steven J. Zaloga, 2024-05-23 A comprehensive and detailed illustrated examination of the development and combat performance of US battle tanks from World War I to the end of World War II In this the first of two highly illustrated volumes examining the complete history of US Army and US Marine Corps battle tanks Steven J Zaloga focuses on the history of the tank in American service from the first experiments with armored vehicles in the early years of the 20th century through to the end of World War II Expanding on material published in Osprey series including New Vanguard Campaign and Duel US Battle Tanks 1917 1945 explores the concepts and practice of tank development from the Renault FT through the M4 Sherman to the M26 Pershing It describes the experiences of the crews who saw combat the performance of each tank in battle and how each American armored fighting vehicle compared with the enemy armor it faced as well as the key lessons learned from combat that led to new concepts and technological breakthroughs Published in association with the AUSA Book Program offering quality books about US Army heritage military theory and policy and security in the modern world World War II US Cavalry Groups Gordon L. Rottman, 2012-07-20 An introduction to the US Cavalry units equipped with light armor and their role in the European Theater during World War II The cavalry regiments of the US Army were in the process of being transformed into a mechanized force when the USA entered World War II While those cavalry regiments deployed to the Pacific to fight the Japanese were turned into infantry units those sent to Europe were employed as light armor in the cavalry s traditional spearhead roles reconnaissance the screening of advances and flanks and the pursuit of beaten enemy forces Equipped with M8 Greyhound armored cars M5 Stuart and M24 Chaffee light tanks and halftracks these units were designated cavalry

groups mechanized each c 1 700 strong and divided into two heavily armed squadrons They were seldom attached to divisions but to higher level corps commands meaning they could be shifted around quickly and independently and be formed at need into flexible battle groups with armored infantry and other units depending on the mission Featuring specially drawn full color illustrations depicting uniforms insignia armored vehicles and tactical scenarios this is the story of the US cavalry units that led the advance to victory in Europe during World War II *Tank Gun Systems* William Andrews,2023-06-30

Much has been written about the use of tanks in battle Little however has appeared about the gunnery systems that are at their core This book describes and examines the main gun systems of medium and heavy tanks from first use in 1916 in World War I to those fielded in numbers to the end of World War II in 1945 including tanks of the interwar period Specifically considered are guns of a caliber greater than 35 mm which have been deployed in numbers greater than 100 The emphasis is on guns mounted in turrets on heavier tracked armored fighting vehicles greater than 15 tonnes which were considered tanks There are though exceptions in that the naval 6 pounder guns in First World War British tanks as well as the 75 mm guns in French medium tanks of the same period all turretless are included The treatment of gun systems includes sighting and fire control equipment gun laying equipment mounts and the array of munitions fired as well as the actual gun including its barrel cradle breech firing mechanism sights and recoil system Related to this are issues of gun handling loading and unloading ammunition design and rates of fire Also examined are the maximum impulse and energy generated by firing some of the munitions available that must be absorbed by the gun recoil system *M3 & M5 Stuart Light Tank 1940-45* Steven J.

Zaloga,2022-04-28 The M3 and M5 family of light tanks were the culmination of American tank development of the 1930s By the time of the outbreak of the World War II they were approaching obsolescence as tank forces in Europe were shifting from light to medium tanks as the main element of their armored forces First entering combat in the autumn of 1941 in the Western Desert with the British Army the Stuart quickly proved its inadequacies The M3 and M5 light tanks proved more suitable in the Pacific theater than in Europe and fought successfully in many of the major battles including Guadalcanal Tarawa and Peleliu This title narrates this distinctive and unusual fighting vehicle s history Task Force Butler: Major Michael J. Volpe,2015-11-06 On 15 August 1944 an Allied army launched a second amphibious landing against the coast of southern France The Allies having shattered German defenses around the beachhead decided to exploit the chaos in the enemy camp On 17 August 1944 Major General MG Lucian K Truscott Jr with no mobile organic strike force assigned to his VI Corps ordered the assembly of and attack by an ad hoc collection of units roughly equivalent to an armored brigade This provisional armored group Task Force TF Butler experienced remarkable success despite a dearth of planning no rehearsals and no history of working together in either training or combat This case study examines the success of TF Butler from the perspectives of doctrinal development in the United States U S Army the unit s unique task organization and the leadership s employment of the unit in combat The use of ad hoc formations to meet unforeseen situations was not unique to World War II

American units currently serving in the Middle East are regularly assigned units they have no habitual relations with to conduct combat operations This case study may prove useful in preparing contemporary military leaders for the types of challenges they will face conducting operations in the contemporary operational environment **Early US Armor** Steven J. Zaloga, 2017-04-07 Between the two World Wars the US contributed significantly to the development of the tank a weapon invented by the British and the French seeking a way to break through the lines of German trenches From the employment of the French Renault FT and British Mark V during their involvement in World War I the US branched out with their own indigenous designs including the M1 Cavalry Car and the M2 Light and Medium tanks the precursors to the Stuart and Grant tanks of World War II Tank designers in this period faced unique challenges and so the story of early American armour is littered with failures amongst the successes Featuring previously unpublished photos and fully illustrated throughout **Early American Armor 1 Tanks 1916 40** is essential reading for anyone interested in American armour or in the development of tank design **The US Army in World War II (3)** Mark Henry, 2012-06-20 The GIs who struggled ashore through the surf of Omaha and Utah Beaches on 6 June 1944 were members of the best equipped army ever assembled up to that date It was in the NW Europe campaign of June 1944 May 1945 that the US Army was finally able to show its full potential for fluent mechanised warfare Here Mark Henry describes both combat and service uniforms worn in the ETO from the assault troops on the D Day beaches to bemedalled veterans celebrating VE Day Accompanied by illustrations throughout this book also includes artillery tanks anti tank weapons the engineers the replacement system and the insignia of the divisions committed to this front **Thunder on Bataan** Donald L Caldwell, 2023-06-14 An incisive readable account of a group of National Guard tankers who fought in the Philippines in the opening phase of America s war in the Pacific Robert S Cameron Ph D military historian and author of *Mobility Shock and Firepower The Emergence of the U S Army s Armor Branch 1917 1945* The American Provisional Tank Group had been in the Philippines only three weeks when the Japanese attacked the islands hours after the raid on Pearl Harbor Sent north to meet the Japanese landings in Lingayen Gulf the men of the PTG found themselves thrust into a critical role when the Philippine Army could not hold back the Japanese When General MacArthur ordered the retreat to Bataan the PTG proved itself indispensable During early months of 1942 the light tanks of the PTG patrolled Bataan s beaches encircling and destroying Japanese penetrations and small amphibious landings By April 1942 the situation had become untenable and 15 000 Americans along with 60 000 Filipinos surrendered in one of the worst defeats in U S military history The Provisional Tank Group ceased to exist and its men endured the Bataan Death March the torture and starvation of POW camps the hell ships that took them to Japan and Manchuria for slave labor and the Palawan massacre In an evocatively written book Donald L Caldwell reveals the largely ignored role of tanks in the Philippine campaign Conducting impressive primary research to bring to life the combat history of the PTG Caldwell has dug deeper to tell the stories of soldiers from each of the group s six companies recounting their service from enlistment training and combat to

imprisonment liberation and return home Remarkable A well told history highly recommended Jay A Stout LtCol Ret USMC author of *Air Apaches* **M26/M46 Pershing Tank 1943-53** Steven J. Zaloga,2000-11-25 From the moment that the M4 Sherman had been matched against German Panther and Tiger tanks the American tank crews had known that their vehicles were outclassed by the opposition What was needed was a more powerful tank more heavily armed and armored that could take on the powerful German panzers on a more equal footing Although it took time to develop by the latter months of the war numbers of M26 Pershing tanks were reaching the frontline US armored units Well armored and with a powerful 90mm gun the Pershing was a match for any tank in the German order of battle The Maginot Line 1928-45 William Allcorn,2003-08-20 The Maginot Line the massive series of fortifications built by France in the 1930s to defend its borders with Germany and Italy is perhaps the most maligned collection of fortifications ever built Despite being a technological marvel and the most sophisticated and complex set of fortifications built up to that time it failed to save France from crushing defeat in 1940 Yet there are those who argue that it accomplished exactly what it was designed to do This book provides a concise and informative treatment of the Maginot Line from North East France to the Mediterranean Packed with plans contemporary and modern images plus digital artwork it presents a detailed visual exploration of this famous fortification system *The British National Bibliography* Arthur James Wells,2002 **Fallschirmjäger** Bruce Quarrie,2001-10-25 Few of the combatants of World War II have captured the imagination as compulsively as the Fallschirmjäger Boldness and courage were vital characteristics in the rigorous selection process and their training was highly demanding Hitler's airborne troops were involved in some of the most daring actions of the whole war from the 1940 assault on Eben Emael and the invasion of Crete in 1941 to the rescue of Mussolini and the attempt on Tito's life In addition they saw service as elite line infantry in the key theatres of North West Europe North Africa and the Eastern Front This title looks at the life and experiences of the average Fallschirmjäger and includes first hand accounts from different theatres and periods of the war *The Stuart Light Tank Series* Bryan Perrett,1980 British Light Tanks 1927-45 David Fletcher,2014-12-20 This is the definitive study of British light tanks of the Second World War The author draws upon a vast and comprehensive body of archival information and research to explore their technical characteristics and combat performance The title focuses largely on the very widely used Mark VI but also covers all the variants that preceded it The type was truly ubiquitous equipping the British Army in France the Western Desert regions Norway Sumatra Persia and India This book chronicles various experiments and improvisations carried out on the design of these tanks It ends with coverage of the final model the Mark VIC and details of the experimental Lloyd airborne light tank of 1942 which has a number of features in common with the better known Vickers Armstrongs designs Augmented by original photographs and technical drawings this title is essential for anybody interested in the development of British armoured vehicles

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