
Main Battle Tanks

Developments in Design since 1945



Rolf Hilmes

Translated by Richard Simpson

BRASIS

Main Battle Tanks Developments In Design Since 1945

Kendall D. Gott



Main Battle Tanks Developments In Design Since 1945:

Main Battle Tanks Rolf Hilmes, 1987 Modern Israeli Tanks and Infantry Carriers 1985-2004 Marsh

Gelbart, 2012-05-20 Over the last two decades of the 20th century the Israel Defence Force IDF introduced a variety of new AFVs Old models such as the M48 and M60 were improved beyond recognition in the form of the Magach 7 The performance of Israel's indigenous Merkava tank was similarly enhanced with new variants and the new Merkava 4 MBT entered service Israeli infantry also received machines such as the Achzarit assault carrier the Puma combat engineer vehicle and the Nagmachon and Nakpadon tank based carriers intended for low intensity conflicts Featuring illustrations this book examines the design modification and combat history of these formidable fighting machines *Breaking The Mold: Tanks In The Cities [Illustrated Edition]* Kendall D. Gott, 2014-08-15 Illustrated with 30 maps Few lessons are as prevalent in military history as is the adage that tanks don't perform well in cities The notion of deliberately committing tanks to urban combat is anathema to most In *Breaking the Mold Tanks in the Cities* Mr Ken Gott disproves that notion with a timely series of five case studies from World War II to the present war in Iraq This is not a parochial or triumphant study These cases demonstrate that tanks must do more than merely arrive on the battlefield to be successful in urban combat From Aachen in 1944 to Fallujah in 2004 the absolute need for specialized training and the use of combined arms at the lowest tactical levels are two of the most salient lessons that emerge from this study When properly employed well trained and well supported units led by tanks are decisive in urban combat The reverse is also true Chechen rebels taught the Russian army and the world a brutal lesson in Grozny about what happens when armored units are poorly led poorly trained and cavalierly employed in a city The case studies in this monograph are high intensity battles in conflicts ranging from limited interventions to major combat operations It would be wrong to use them to argue for the use of tanks in every urban situation As the intensity of the operation decreases the second and third order effects of using tanks in cities can begin to outweigh their utility The damage to infrastructure caused by their sheer weight and size is just one example of what can make tanks unsuitable for every mission Even during peace operations however the ability to employ tanks and other heavy armored vehicles quickly can be crucial A study on the utility of tanks in peace operations is warranted and planned Timothy R Reese Colonel Armor

Military Organizations, Complex Machines Chris C. Demchak, 2018-10-18 Chris Demchak explores the reasons why military machines surprise their users and how they can change both the complexity and effectiveness of tactical organizations She uses the Army's experiences with its M1 Abrams tank as well as other examples to explain the interaction of complex technology and militaries that seek to control uncertainty Under some conditions Demchak demonstrates complexity in critical machines induces increased complexity in the organizations that use them and can produce an army different from the one that was intended Drawing on organization theory and her data she argues that understanding this interaction will heavily influence whether armed forces reductions savings and modernization produce rapid successful

military organizations or lethally unpredictable ones Nonstate Warfare Stephen Biddle, 2022-07-26 How nonstate military strategies overturn traditional perspectives on warfare Since September 11th 2001 armed nonstate actors have received increased attention and discussion from scholars policymakers and the military Underlying debates about nonstate warfare and how it should be countered is one crucial assumption that state and nonstate actors fight very differently In Nonstate Warfare Stephen Biddle upturns this distinction arguing that there is actually nothing intrinsic separating state or nonstate military behavior Through an in depth look at nonstate military conduct Biddle shows that many nonstate armies now fight more conventionally than many state armies and that the internal politics of nonstate actors their institutional maturity and wartime stakes rather than their material weapons or equipment determines tactics and strategies Biddle frames nonstate and state methods along a continuum spanning Fabian style irregular warfare to Napoleonic style warfare involving massed armies and he presents a systematic theory to explain any given nonstate actor's position on this spectrum Showing that most warfare for at least a century has kept to the blended middle of the spectrum Biddle argues that material and tribal culture explanations for nonstate warfare methods do not adequately explain observed patterns of warmaking Investigating a range of historical examples from Lebanon and Iraq to Somalia Croatia and the Vietcong Biddle demonstrates that viewing state and nonstate warfighting as mutually exclusive can lead to errors in policy and scholarship A comprehensive account of combat methods and military rationale Nonstate Warfare offers a new understanding for wartime military behavior The Tank Debate John Stone, 2018-12-07 In The Tank Debate John Stone highlights the equivocal position that armour has traditionally occupied in Anglo American thought and explains why despite frequent predictions to the contrary the tank has remained an important instrument of war This book provides a timely and provocative study of the tank's developmental history against the changing background of Anglo American military thought **Armor**, 1998 The magazine of mobile warfare **Soviet/Russian Armor and Artillery Design Practices**, 1995 *Camp Colt to Desert Storm* George F. Hofmann, Donn A. Starry, 2014-04-23 The tank revolutionized the battlefield in World War II In the years since additional technological developments including nuclear weapons ballistic missiles computer assisted firing and satellite navigation have continued to transform the face of combat The only complete history of U S armed forces from the advent of the tank in battle during World War I to the campaign to drive Iraq out of Kuwait in 1991 *Camp Colt to Desert Storm* traces the development of doctrine for operations at the tactical and operational levels of war and translates this fighting doctrine into the development of equipment **Superpowers in Economic Decline** Richard Cohen, Peter A. Wilson, 2021-05-30 This book first published in 1990 evaluates what future policy adjustments the US will have to make in order to successfully navigate through a national security environment radically altered from that of the past and one determined more than at any point in the post war period by the economic performance of both superpowers The structure of the book centres around two issues that will determine the future national security environment facing the US Discussed are stakes of the threat the

response of the Soviet Union to the challenge of economic and related social political decline and its implications for the Soviet national defence effort Also studied are the resources available to the US to meet the threat the status of the US economic performance and the magnitude of resource stress it is likely to face in the future and its probable impact on the US national defence effort

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