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*Pneumatic Vice Project Report*

2020-03-26

## DESIREE JAMIYA

Defence Report The Stationery Office

The development of the Avro Arrow was a remarkable Canadian achievement. Its mysterious cancellation in February 1959 prompted questions that have long gone unanswered. What role did the Central Intelligence Agency play in the scrapping of the project? Who in Canada's government was involved in that decision? What, if anything, did Canada get in return? Who ordered the blowtorching of all the prototypes? And did Arrow technology find its way into the American Stealth fighter/bomber program? When Storms of Controversy was first published in 1992, its answers to these questions sent a shock wave across the country. Using never-before-released documents, the book exploded the myth that design flaws, cost overruns, or obsolescence had triggered the demise of the Arrow. Now, in this fully revised fourth edition, complete with two new appendices, the bestselling book brings readers up-to-date on the CF-105 Arrow, the most innovative, sophisticated aircraft the world had seen by the end of the 1950s.

*Planning Armageddon* McGill-Queen's Press - MQUP

The first two volumes of this outstanding history of Canada's defence and foreign policy have drawn unanimous acclaim from scholars and critics alike. Richard Preston said of the first volume that is 'opens up a new chapter in Canadian historiography' and of the second that is 'amply lives up to the promise of the earlier epoch-making book.' Kenneth McNaught stated: 'There could not be more important reading for anyone trying to apprehend the tenacious traditions underlying our present position in world affairs.' The third volume has been described in Political Science Quarterly as 'a first class book - learned in content, lucid and witty in style.'

*Defence Annual Report* University Press of Kentucky

In the past century, multinational military operations have become the norm; but while contributions from different nations provide many benefits—from expanded capability to political credibility—they also present a number of challenges. Issues such as command and control, communications, equipment standardization, intelligence, logistics, planning, tactics, and training all require consideration. Cultural factors present challenges as well, particularly when language barriers are involved. In *Allies in Air Power*, experts from around the world survey these operations from the birth of aviation to the present day. Chapters cover conflicts including World War I, multiple theaters of World War II, the Korean War, the Vietnam War, the Gulf War, Kosovo, the Iraq War, and various United Nations peacekeeping missions. Contributors also analyze the role of organizations such as the UN, NATO, and so-called "coalitions of the willing" in laying the groundwork for multinational air operations. While multinational military action has become commonplace, there have been few detailed studies of air power cooperation over a prolonged period or across multiple conflicts. The case studies in this volume not only assess the effectiveness of multinational operations over time, but also provide vital insights into how they may be improved in the future.

*Lists and Indexes* Dundurn

According to legend, the Garden of Eden was located in Iraq, and for millennia, Jews resided peacefully in metropolitan Baghdad. *Memories of Eden: A Journey Through Jewish Baghdad* reconstructs the last years of the oldest Jewish Diaspora community in the world through the recollections of Violette Shamash, a Jewish woman who was born in Baghdad in 1912, sent to her daughter Mira Rocca and son-in-law, the British journalist Tony Rocca. The result is a deeply textured memoir—an intimate portrait of an individual life, yet revealing of the complex dynamics of the Middle East in the twentieth century. Toward the end of her long life, Violette Shamash began writing letters, notes, and essays and sending them to the Roccas. The resulting book begins near the end of Ottoman rule and runs through the British Mandate, the emergence of an independent Iraq, and the start of dictatorial government. Shamash clearly loved the world in which she grew up but is altogether honest in her depiction of the transformation of attitudes toward Baghdad's Jewish population. Shamash's world is finally shattered by the Farhud, the name given to the massacre of hundreds of Iraqi Jews over three days in 1941. An event that has received very slight historical coverage, the Farhud is further described and placed in context in a concluding essay by Tony Rocca.

The Strategic Air Offensive Against Germany Simon and Schuster

Combat identification is the way military personnel distinguish friend from foe and non-combatants during operations, thereby minimising the risk of deaths and injuries from friendly fire as well as damage to property and infrastructure, whilst maintaining operational effectiveness. It is a complex issue as it spans all the military environments (land, maritime and air), particularly when operations are conducted in coalition with allies, as this requires interoperability of equipment and harmonisation of tactics and practices. Following on from an NAO report (HCP 936, session 2005-06, ISBN 9780102937169) published in March 2006, the Committee's report examines three main issues: progress on equipment projects to improve combat identification; Operation TELIC and investigations into friendly fire deaths; and data collection of friendly fire incidents. Amongst its conclusions, the report finds that the MoD has failed to develop viable combat identification solutions to counter the risks of friendly fire incidents, despite their devastating effects and despite the recommendations made by the Committee in 1992 and 2002, with significant delays in equipment programmes such as the Battlefield Target Identification System. Given the considerable delays in the time the MoD took to conclude the investigations into friendly fire incidents and to make the findings publicly available, the report recommends that once investigations into friendly fire incidents are complete, the MoD should publish the findings of Boards of Inquiry within one month.

Taking the Lead The Stationery Office

As Australia withdrew from Vietnam in 1972, few in the Australian Defence Force, none the least those in the Royal Australian Air Force could foresee the immense change that would sweep across the Service. New and emerging international relationships, changing Australian social attitudes, and a growing sense of defence self-reliance would all impact how the RAAF contributed to the application of air power in the defence of the nation and in supporting Australia's wider national interests. For the first time, *Taking the Lead* brings to the reader a comprehensive and authoritative study of how the RAAF matured over its third quarter century, how it met the challenges faced, and how it finally came of age, able to take the lead when asked. By 1996, plans were in place such that

the RAAF was well on the way to becoming the world's first fifth generation air force, by making a remarkable transition. This volume also dispels the myth that the RAAF did little in the latter part of the twentieth century but train. In fact, the RAAF was at the forefront of operations as wide afield as the Sub-Continent, the Middle East, Africa and South-East Asia. Then there was aid to the civil community as well as aid to those nations seeking help in wider Asia-Pacific region. Clever force restructuring for expeditionary operations amid the stress of downsizing by almost a third, meant that future operations in the twenty-first century were to be a success. *Taking the Lead* is not just about aircraft, bases and flying. It considers the strategic environment of the era, the factors that affected personnel and training, how the RAAF's force structure advanced and how the RAAF managed its successes and failures. For those seeking to learn more about their air force, then this book is essential reading. *Taking the Lead* covers this vital part of the RAAF's unfolding narrative, and perfectly illustrates how the RAAF remained true to its motto - *Per Ardua ad Astra* - Through Adversity to the Stars.

The Information Revolution in Military Affairs in Asia Potomac Books, Inc.

This report examines the past decisions taken on the Typhoon fighter aircraft and looks at improvements that the Department can make to its delivery model to get more from industry in terms of reduced costs and better performance in the future. The Department originally planned to buy 232 aircraft. However, in light of changed operational requirements and significant funding constraints arising from the pressures of the defence budget, it is now ordering 160 aircraft and will retire the 53 oldest aircraft by 2019, leaving a long-term fleet of 107 aircraft. Overall, it is costing the Department £20.2 billion, £3.5 billion more than it first expected, to buy a third fewer aircraft. This is equivalent to the purchase cost of each aircraft rising by 75%, from £72 million to £126 million. Problems with the availability of spares mean that Typhoons are not flying the hours required and the Department is forced to cannibalise parts from other aircraft to maximise the number of aircraft available on a given day. As a result, it is not fully training all its pilots. Support costs are budgeted at £13.1 billion, but could be as high as £16.6 billion across the life of the aircraft. The Department has identified potential savings of £3.5 billion to keep support costs within budget. The Department will need to both reduce the cost and increase the timeliness of future collaborative spares and repairs contracts. At present, the contracts do little to incentivise better industry performance and to penalise failure.

The Armed Forces Bill ANU E Press

Beginning in the 1950s, alleged sightings of unidentified flying objects in Canadian skies bred tension between the state and its citizens. While the public demanded to know more about the phenomenon, government officials appeared unconcerned and unresponsive. Suspicion of government deepened among certain sectors of Canadian society in the decades that followed, leading to demands for greater public transparency and a new kind of citizen activism. In *Search for the Unknown* Matthew Hayes uncovers the history of the Canadian government's investigations into reports of UFOs, revealing how these reports were handled, deflected, and defended from 1950 to the 1990s. During this period Canadians filed more than 5,000 reports of UFO sightings - many with striking descriptions and illustrations - with branches of government and law enforcement. Although the government conducted some exploratory studies, officials were unable to solve the mystery of UFOs or provide satisfactory answers about their alleged existence, and they soon declared the matter closed. Dissatisfied citizens responded by taking matters into their own hands, starting UFO clubs and civilian investigation groups, and accusing the government of a cover-up. A mutual mistrust developed between citizens who were suspicious of their government and officials who dismissed their fears and anxieties. This provided fertile ground for anti-authoritarian attitudes and the cultivation of conspiracy theories. In an era of political division, and amid heightened awareness of states' responsibilities for their citizens, *Search for the Unknown* reveals the challenges that governments face in responding to public anxieties and preserving trust in public institutions.

WAPDA Annual Report University Press of Kentucky

To live among wolves, first you must become one... An unmissable new spy thriller from best-selling master of the genre, Alex Gerlis. War is coming to Europe. British spymaster Barnaby Allen begins recruiting a network of agents in Germany. With diplomatic relations quickly unravelling, this pack of spies soon comes into their own: the horse-loving German at home in Berlin's underground; the young American sports journalist; the mysterious Luftwaffe officer; the Japanese diplomat and the most unlikely one of all... the SS officer's wife. Despite constant danger and the ever-present threats of discovery and betrayal, Allen's network unearths top-secret plans for a new German fighter plane - and a truly devastating intelligence prize... an audacious Japanese plan to attack the United States. But can they prove it? The race is on. An unputdownable and atmospheric Second World War espionage thriller, *Agent in Berlin* will grip you to the very end. Perfect for readers of David Young, Robert Harris and Rory Clements. Praise for *Agent in Berlin* 'Gerlis proves himself a master of spy fiction to rival John le Carré, Robert Harris and other leading lights with this gripping and entertaining novel set mostly in the frenzied world of pre-war Berlin' David Young, author of *Stasi Child* 'Everything slots together perfectly in this hugely atmospheric and powerfully character-driven story set in Germany at the rise of Nazism ... a brilliant new addition to the genre' Chris Lloyd, author of *The Unwanted Dead* 'Amazing plotting, packs a real punch' Mark 'Billy' Billingham, Sunday Times bestselling author of *The Hard Way* 'The first volume of a promising new series, Alex Gerlis handles an ensemble cast with panache' Financial Times 'An unmissable spy thriller from bestselling master of the genre Alex Gerlis' Spybrary Podcast

Search for the Unknown Routledge

What influences have shaped air power since human flight became a reality more than a hundred years ago? *Global Air Power* provides insight into the evolution of air power theory and practice by examining the experience of six of the world's largest air forces--those of the United Kingdom, the United States, Israel, Russia, India, and China--and of representative smaller air forces in Pacific Asia, Latin America, and continental Europe. The chapters, written by highly regarded scholars and military leaders, explore how various nations have integrated air power into their armed forces and how they have applied air power in both regular and irregular warfare and in peacetime operations. They cover the organizational, professional, and doctrinal issues that air forces confronted in the past, the lessons learned from victory and defeat, and emerging challenges and opportunities. Further, *Global Air Power* supplements the traditional military perspective with examinations of the ideological, economic, and cultural factors that give air forces their distinctive characters. Chapters



show how the interplay among these internal factors, together with external challenges, determines the structure, role, and effectiveness of air forces. Together, these chapters illuminate universal trends as well as similarities and differences among the world's air forces. Its combination of military history and sociopolitical analysis makes *Global Air Power* especially valuable to a broad range of historians, air power specialists, and general readers interested in national defense and international relations.

[The Armed Forces Covenant in action? Part 1: Military casualties](#) Potomac Books, Inc.

General Sir Phillip Bennett is a good example of what makes a great leader. With a good combination of innate personal qualities, education, broad experience and the hardening that comes with survival on the battlefield he prospered. As a young officer he survived the first and most perilous year of the Korean War, including the Battle of Kapyong.

**The Avro Arrow** The Stationery Office

The contributors to this volume seek to explore the multi-dimensional (institutional, cultural, technological, and political) environments of several Asian states to determine the amenability of those host environments for the adoption/adaptation of the Revolution in Military Affairs (RMS). *Museums, Modernity and Conflict* Canelo

Military force projection is the self-reliant capacity to strike from mainland ports, bases and airfields to protect Australia's sovereignty as well as more distant national interests. Force projection is not just a flex of military muscle in times of emergency or the act of dispatching forces. It is a cycle of force preparation, command, deployment, protection, employment, sustainment, rotation, redeployment and reconstitution. If the Australian Defence Force consistently gets this cycle wrong, then there is something wrong with Australia's defence. This monograph is a force projection audit of four Australian regional force projections in the late 1980s and the 1990s -- valid measures of competence. It concludes that Australia is running out of luck and time. The Rudd Government has commissioned a new Defence White paper. This monograph is Exhibit A for change.

[The Man Who Took the Rap](#) University of Toronto Press

"No one has done more than Palmiro Campagna to document the story of Canada's extraordinary Avro Arrow ... This latest work sheds new light on the Arrow's fascinating saga." — ANDREW CHAIKIN, author of *A Man on the Moon* An expanded edition of the bestselling book, including newly discovered American records that shed further light on the disastrous cancellation of the Avro Arrow. The controversial cancellation of the Avro Arrow — an extraordinary achievement of Canadian military aviation — continues to inspire debate today. When the program was scrapped in 1959, all completed aircraft and those awaiting assembly were destroyed, along with tooling and technical information. Was abandoning the program the right decision? Did Canada lose more than it gained? Brimming with information to fill the gaps in the Arrow's troubled history, this new edition also brings to light recently discovered documents that answer whether the United States government wished Canada to continue the development of what was considered the world's most advanced interceptor aircraft.

*Air Power at the Battlefield* Naval Institute Press

Ian Gooderson presents a study of close air support in World War II, with the analysis focusing on the use of tactical air power by British and American forces during the campaigns in Italy and northwestern Europe between 1943 and 1945.

[Air University Review](#) The Stationery Office

Compared to armies and navies, which have existed as professional fighting services for centuries, the technology that makes air forces possible is much newer. As a result, these services have had to quickly develop methods of preparing aviators to operate in conditions ranging from peace or routine security to full-scale war. The first book to address the history and scope of air power professionalization through learning programs, *Educating Air Forces* offers valuable new insight into strategy and tactics worldwide. Here, a group of international experts examine the philosophies, policies, and practices of air service educational efforts in the United States, France, Italy, Germany, Australia, Canada, and the UK. The contributors discuss the founding, successes, and failures of European air force learning programs between the Great War and World War II and explore how the

tense Cold War political climate influenced the creation, curriculum, and results of various programs. They also consider how educational programs are adapting to soldiers' needs and the demands of modern warfare. Featuring contributions from eminent scholars in the field, this volume surveys the learning approaches globally employed by air forces in the past century and evaluates their effectiveness. *Educating Air Forces* reveals how experiential learning and formal education are not only inextricably intertwined, but also necessary to cope with advances in modern warfare.

[Analysis and Design of Pneumatic Systems](#) Springer

The Committee was tasked by the House of Commons to scrutinise the Bill (Bill 22, session 2010-11, ISBN 9780215557469) which makes various changes to existing Military law. The Committee has taken evidence from a range of witnesses and made several visits to military establishments around the UK. The Report notes the complex debate surrounding the Military Covenant, and outlines the Committee's findings on a range of matters, including the work of the Service Complaints Commissioner for the Armed Forces.

*Foreign Air News Digest* Routledge

The Government must show how the excellent medical care being delivered to injured service personnel will continue long after the memory of the Afghan Operation fades. This report, which gives praise to the first class medical treatment provided for the Armed Forces, questions whether the support for injured personnel will be sustainable over the long term. In particular, the committee is concerned about the number of people who may go on to develop severe and life-limiting, physical, mental health, alcohol or neurological problems. There is still a question mark over whether the Government as a whole fully understands the likely future demands and related costs *Allies in Air Power* Routledge

This report recognises the efforts of the Ministry of Defence (MoD) to improve the methods by which intelligence is collected, interpreted and then disseminated over the battlefield, where it can be used to best effect - a process known as ISTAR (Intelligence, Surveillance, Target Acquisition and Reconnaissance). However there are fears that plans for the development of ISTAR capability might be put to one side or slowed during the process of the Strategic Defence Review, due largely to financial constraints. The report warns that control of such a vital resource as ISTAR needs to be clarified to ensure proper coordination and development across the Services. The Committee has been impressed by the commitment within the MoD, the Armed Forces and within industry to improve detection of Improvised Explosive Devices (IEDs) as a priority, and to work creatively and co-operatively to that end. The technologies and techniques refined during the current campaign in Afghanistan must be mainstreamed into future UK ISTAR capability. However the theoretical expectations of what ISTAR can contribute to minimising civilian and UK military casualties must be kept in proportion. Realism about the nature of asymmetric warfare, and what ISTAR can contribute, is essential if current and future missions are to succeed.

**Progress in combat identification** John Wiley & Sons

*Museums, Modernity and Conflict* examines the history of the relationship between museums, collections and war, revealing how museums have responded to and been shaped by war and conflicts of various sorts. Written by a mixture of museum professionals and academics and ranging across Europe, North America and the Middle East, this book examines the many ways in which museums were affected by major conflicts such as the World Wars, considers how and why they attempted to contribute to the war effort, analyses how wartime collecting shaped the nature of the objects held by a variety of museums, and demonstrates how museums of war and of the military came into existence during this period. Closely focused around conflicts which had the most wide-ranging impact on museums, this collection includes reflections on museums such as the Louvre, the Stedelijk in the Netherlands, the Canadian War Museum and the State Art Collections Dresden. *Museums, Modernity and Conflict* will be of interest to academics and students worldwide, particularly those engaged in the study of museums, war and history. Showing how the past continues to shape contemporary museum work in a variety of different and sometimes unexpected ways, the book will also be of interest to museum practitioners.