

**ROYAL NAVY  
SHIPBOARD AIRCRAFT  
DEVELOPMENTS  
1912-1931**



**An Air-Britain Publication**

**Dick Cronin**

# Royal Navy Shipboard Aircraft Developments 1912 1931

**John C. Fredriksen**



## **Royal Navy Shipboard Aircraft Developments 1912 1931:**

**Royal Navy Shipboard Aircraft Developments, 1912-1931** Dick Cronin, 1990 *The Development of British Naval Aviation, 1914-1918* Alexander Howlett, 2021-06-08 The Royal Naval Air Service RNAS revolutionized warfare at sea on land and in the air This little known naval aviation organization introduced and operationalized aircraft carrier strike aerial anti submarine warfare strategic bombing and the air defence of the British Isles more than 20 years before the outbreak of the Second World War Traditionally marginalized in a literature dominated by the Royal Flying Corps and the Royal Air Force the RNAS and its innovative practitioners nevertheless shaped the fundamentals of air power and contributed significantly to the Allied victory in the First World War The Development of British Naval Aviation utilizes archival documents and newly published research to resurrect the legacy of the RNAS and demonstrate its central role in Britain's war effort **The Royal Navy and the Capital Ship in the Interwar Period** Joseph Moretz, 2012-12-06 Joseph Moretz's innovative work focuses on what battleships actually did in the interwar years and what its designed war role in fact was In doing so the book tells us much about British naval policy and planning of the time Drawing heavily on official Admiralty records and private papers of leading officers the author examines the navy's operational experience and the evolution of its tactical doctrine during the interwar period He argues that operational experience combined with assumptions about the nature of a future naval war were more important in keeping the battleship afloat than conservatism in Navy *Aircraft of the Royal Navy* David Hobbs, 2024-11-30 This is a comprehensive study of every aircraft type ordered for the Royal Navy since 1908 It includes fixed and rotary wing aircraft rigid and non rigid airships unmanned aircraft and pilotless target aircraft together with many designs that were ordered but not built so that the importance placed on them by the Naval Staff or their potential technological impact on carrier design and operations can be explained Every type even unsuccessful single prototypes is described the majority are illustrated by photographs many of which come from the author's own collection and the fifty most significant aircraft have detailed drawings The Australian and Canadian Fleet Air Arms operated RN aircraft types for many years after their formation and these are included together with other types they have operated subsequently to give a more complete overview The book describes over 400 different types of aircraft built by over 100 different manufacturers to offer the most detailed coverage of RN aircraft ever produced Research for the book took over forty years and reference material included Admiralty Archives and an array of material in the public domain including manufacturers data individual aircraft pilot's notes and a wealth of published sources David Hobbs is uniquely well placed to write this book having served in the RN for thirty three years and retired with the rank of Commander He flew both fixed and rotary wing aircraft and his log book contains 2300 flying hours with 807 day and night deck landings He served in seven British aircraft carriers and spent four years within RN Director General Aircraft Department where he was closely involved with Sea Harrier carrier trials and introduced new visual landing aids for night recoveries and liaised with the USN on carrier operating techniques This is his

eleventh book for Seaforth Publishing      **The Royal Navy's Air Service in the Great War** David Hobbs,2017-09-30 In a few short years after 1914 the Royal Navy practically invented naval air warfare not only producing the first effective aircraft carriers but also pioneering most of the techniques and tactics that made naval air power a reality By 1918 the RN was so far ahead of other navies that a US Navy observer sent to study the British use of aircraft at sea concluded that any discussion of the subject must first consider their methods Indeed by the time the war ended the RN was training for a carrier borne attack by torpedo bombers on the German fleet in its bases over two decades before the first successful employment of this tactic against the Italians at Taranto Following two previously well received histories of British naval aviation David Hobbs here turns his attention to the operational and technical achievements of the Royal Naval Air Service both at sea and ashore from 1914 to 1918 Detailed explanations of operations the technology that underpinned them and the people who carried them out bring into sharp focus a revolutionary period of development that changed naval warfare forever Controversially the RNAS was subsumed into the newly created Royal Air Force in 1918 so as the centenary of its extinction approaches this book is a timely reminder of its true significance      **British Naval Aviation** Dr Tim Benbow,2013-07-28 In 1909 the British Admiralty placed an order for a rigid airship marking the beginning of the Royal Navy s involvement with airpower This collection charts the Navy s involvement with aviation over the following century and the ways in which its rapid expansion and evolution radically altered the nature of maritime power and naval strategy Drawing on much new historical research the collection takes a broadly chronological approach which allows a scholarly examination of key themes from across the history of British naval aviation The subjects tackled include long standing controversies over the control of naval air power crucial turning points within British defence policy and strategy the role of naval aviation in limited war and discussion of campaigns such the contribution of the Fleet Air Arm in the Mediterranean and Pacific theatres of the Second World War that have hitherto received relatively little attention The collection concludes with a discussion of recent debates surrounding the Royal Navy s acquisition of a new generation of carriers setting the arguments within an historical context Taken as a whole the volume offers fascinating insights into the development of a key aspect of naval power as well as shedding new light on one of the most important aspects of Britain s defence policy and military history By simultaneous addressing historical and current political debates it is sure to find a ready audience and stimulate further discussion      **A Century of Carrier Aviation** David Hobbs,2009-03-19 It is now almost exactly a hundred years since a heavier than air craft first took off and landed on a warship and from the very beginning flying at sea made unique demands on men and machines As warplanes grew larger faster and heavier air operations from ships were only possible at all through constant development in technology techniques and tactics This book charts the progress and growing effectiveness of naval air power concentrating on the advances and inventions most of them British that allowed shipborne aircraft to match their land based counterparts and looking at their contribution to 20th century warfare Written by a retired Fleet Air Arm pilot and and award winning

historian of naval flying this is a masterly overview of the history of aviation in the world's navies down to the present day Heavily illustrated from the author's comprehensive collection of photographs the book will be essential reading to anyone with an interest in navies or air power

**British Aircraft Carriers** David Hobbs, 2014-09-30 This superb book will undoubtedly become the definitive volume on British Aircraft carriers and naval aviation magnificent Marine News This book is a meticulously detailed history of British aircraft carrying ships from the earliest experimental vessels to the Queen Elizabeth class currently under construction and the largest ships ever built for the Royal Navy Individual chapters cover the design and construction of each class with full technical details and there are extensive summaries of every ship's career Apart from the obvious large deck carriers the book also includes seaplane carriers escort carriers and MAC ships the maintenance ships built on carrier hulls unbuilt projects and the modern LPH It concludes with a look at the future of naval aviation while numerous appendices summarize related subjects like naval aircraft recognition markings and the circumstances surrounding the loss of every British carrier As befits such an important reference work it is heavily illustrated with a magnificent gallery of photos and plans including the first publication of original plans in full color one on a magnificent gatefold Written by the leading historian of British carrier aviation himself a retired Fleet Air Arm pilot it displays the authority of a lifetime's research combined with a practical understanding of the issues surrounding the design and operation of aircraft carriers As such British Aircraft Carriers is certain to become the standard work on the subject An outstanding highly informative reference work It is a masterpiece which should be on every naval person's bookshelf It is a pleasure to read and a pleasure to own Australian Naval Institute

**Air Power and Warfare** Elwood L. White, 2002 This highly selective bibliography supplements the original bibliography developed in 1978 by Ms Betsy C Kysely to support the Eighth Military History Symposium While this bibliography focuses primarily on materials published since the earlier bibliography was developed it does include some significant materials that were published prior to 1978 but that were omitted from that edition Emphasis in this supplement is on scholarly analysis of air power itself and scholarly depictions of its history Like most editions of the United State Air Force Academy Directorate of Libraries publication Special Bibliography Series this compilation is limited to current holdings of the Academic Library at the Academy It includes books reports government documents and journal articles Excluded are pictorial works newspaper articles works of fiction studies of the technology of aircraft and associated weaponry and items focused on the general history of aviation Readers wanting information on the history of aviation certainly prior to the Wright Brothers are encouraged to consult the U S Air Force Academy Friends of the Library publication The Genesis of Flight The Aeronautical History Collection of Colonel Richard Gimbel

**Naval History of World War I** Paul G Halpern, 2012-04-15 There have been a number of studies published on the activities of British and German navies during World War I but little on naval action in other arenas This book offers for the first time a balanced history of the naval war as a whole viewed from the perspective of all participants in all major

theaters The author's earlier examination *The Naval War in the Mediterranean 1914-1918* centered on submarine activities and allied efforts to counteract this new menace With this welcome sequel he again takes the reader beyond those World War I operations staged on the North Sea Halpern's clear and authoritative voice lends a cohesiveness to this encompassing view of the Italians and Austrians in the Adriatic the Russians Germans and Turks in the Baltic and Black Seas and French and British in the Mediterranean Important riverine engagements notably on the Danube also are included along with major colonial campaigns such as Mesopotamia and the Dardanelles The role of neutral sea powers such as the Swedes in the Baltic and the Dutch in the East Indies is examined from the perspective of how their neutrality affected naval activity Also discussed is the part played by the U S Navy and the often overlooked but far from negligible role of the Japanese navy The latter is viewed in the context of the opening months of the war and in the Mediterranean during the height of the submarine crisis of 1917

**International Warbirds** John C. Fredriksen, 2001-08-01 In depth descriptions and photographs of the aircraft of 21 nations presented with a unique human dimension that goes behind the machines to the people involved Invaluable for specialists accessible to enthusiasts *International Warbirds An Illustrated Guide to World Military Aircraft 1914-2000* puts the most legendary fighter aircraft of the 20th century developed outside the United States on vivid display It offers 336 illustrated biographies of the most significant warplanes used in squadron service from World War I to the Balkan conflict including numerous models from Great Britain France Russia and Japan as well as notable machines from Israel Canada China India Brazil and other nations Entries span the history and scope of military aircraft from bombers and fighters to transports trainers reconnaissance craft sea planes and helicopters with each capsule history combining nuts and bolts technical data with the story of that model's evolution and use Together these portraits offer an exciting well researched tribute to visionary designers and builders as well as courageous pilots and crews across the globe and tell a vivid tale of how air power became such a decisive factor in modern warfare

**Three Republics One Navy** Anthony Clayton, 2014-12-19 In the 1870s to supplement their early steam engines French warships were still rigged for sail In the 1970s the Marine Nationale's ships at sea included aircraft carriers operating supersonic jets and intercontinental ballistic missile submarines propelled by nuclear engines Within this one hundred years the Marine has played important roles in the acquisition of Asian and African colonial empires until 1900 the lead role in a naval Cold War against Great Britain in 1904-1920 preparation largely Mediterranean based for and participation in a Paris agenda in the First World War a spectacular modernization unfortunately incomplete in the inter war years division tragic self destruction and a rebirth in the Second World War important roles in the two major decolonization campaigns of Indochina and Algeria and finally in the retention of major world power status with power projection roles in the late 20th century requiring a navy with both nuclear age and traditional amphibious operational capabilities The enormous costs involved were to lead to reductions and a new naval relationship with Great Britain at the end of the 20th Century These successive radical changes were set against political

dispute turmoil and in the years 1940 to 1942 violent division Political leaders from the 19th Century imperialists to the Fifth Republic sought a lead role for France or if not sufficient naval power to effectively influence allies and world affairs Domestic economic difficulties more than once led to unwise navy on the cheap policies and construction programs The major post 1789 rift in French society appears occasionally among crews on board ships in docks and builders yards and in 1919 1920 open mutinies in ships at sea In this work the author has tried to weave together these very varied strands into a history of a navy whose nation's priorities have more often been land frontier defense the navy undervalued with a justifiable pride in its achievements poorly recognized A study of the history of the Marine is also useful and important contribution to wider studies of French national history over thirteen tumultuous decades *The Last Century of Sea Power, Volume 1* H. P. Willmott, 2021-12-22 In this first of three volumes on sea power the author reviews the story of political economic and military oceanic control from the 1890s through WWI Choice The transition to modern war at sea began during the period of the Sino Japanese War 1894 1895 and the Spanish American War 1898 and was propelled forward rapidly by the advent of the dreadnought and the nearly continuous state of war that culminated in World War I By 1922 most of the elements that would define sea power in the 20th century were in place Written by one of our foremost military historians this volume acknowledges the complex nature of this transformation focusing on imperialism the growth of fleets changes in shipbuilding and armament technology and doctrines about the deployment and use of force at sea among other factors There is careful attention to the many battles fought at sea during this period and their impact on the future of sea power The narrative is supplemented by a wide range of reference materials including a detailed census of capital ships built during this period and a remarkable chronology of actions at sea during World War I The author dean of naval historians provides a sweeping look at and analysis of the transformation of naval power His dry wit and sense of irony add spice to the impressive array of facts and analysis of the greatest period of naval warfare Willmott is fearless in his judgments *Seapower* This book first of a series contains a wealth of facts and opinions the latter provided with Willmott's unerring analytical eye and mordant wit Bernard D Cole National War College *World War One Aircraft Carrier Pioneer* Guy Warner, 2011-06-13 Jack McCleery was born in Belfast in 1898 the son of a mill owning family He joined the RNAS in 1916 as a Probationary Flight Officer During the next ten months he completed his training at Crystal Palace Eastchurch Cranwell Frieston Calshot and Isle of Grain flying more than a dozen landplanes seaplanes and flying boats gaining his wings as a Flight Sub Lieutenant In July 1917 he was posted to the newly commissioning aircraft carrier HMS Furious which would be based at Scapa Flow and Rosyth He served in this ship until February 1919 flying Short 184 seaplanes and then Sopwith 1 Strutters off the deck He also flew a large number of other types during this time from shore stations at Turnhouse East Fortune and Donibristle He served with important and well known naval airmen including Dunning Rutland of Jutland and Bell Davies VC He witnessed Dunning's first successful landing on a carrier flying a Sopwith Pup in 1917 and his tragic death a few days later He also witnessed the Tondern raid in

1918 the world's first carrier strike mission He took part in more than a dozen sweeps into the North Sea by elements of the Grand Fleet and Battle Cruiser Fleet He carried out reconnaissance missions off the coast of Denmark landing in the sea to be picked up by waiting destroyers He witnessed the surrender of the High Seas Fleet Promoted to Captain he acted as temporary CO of F Squadron for a time postwar **Special Bibliography Series**, 1957 **Pioneers of Aerial Combat** Michael Foley, 2013-07-16 When the Wright Brothers made their first flight in the early years of the twentieth century it sparked the imagination of those who wanted to fly both in their country and around the world In Britain however the spark wasn't strong enough to light a fire and it was in other parts of Europe notably France where flight began to develop seriously Early pioneers of flight faced a high level of danger and many died in pursuit of fulfilling their dream Although aircraft design had made incredible progress by the time of the outbreak of war accidents still occurred on a regular basis For some time as many pilots died in accidents as they did in combat This publication consolidates a range of stories insights and facts that when combined offer a vivid impression of events as they unfolded The chaos stirred up during the First World War and the scramble to develop aircraft in response to the threat to homeland security is eloquently relayed as are the battles that characterized this conflicted era The reality of conflict gave aviation engineers and designers the opportunity to test their craft in the harshest of environments pushing the benchmark ever higher in terms of what could be achieved Sure to appeal to aviation enthusiasts and historians alike this work offers the reader a full account of the developmental early days of flight *Aircraft Carriers* Paul E. Fontenoy, 2006-09-21 This vivid volume describes the fascinating history of aircraft carriers first deployed successfully in World War I by the Imperial Russian Navy and indispensable to the Allied victory in World War II now the strategic centerpiece of the world's most powerful navies From their World War I deployment in the Black Sea by the Imperial Russian Navy to their coming of age in World War II to their role in recent conflicts in Vietnam the Falklands and the Persian Gulf *Aircraft Carriers An Illustrated History of Their Impact* charts the evolution of carrier systems both militarily and within broader political and diplomatic contexts Covering both the ships and the planes they support this convenient authoritative handbook offers complete descriptions of carrier systems from all of the world's major navies from their operational histories strategic integration and technological advancements to the training of aircrew the development of carrier command leadership and the role of carriers as deterrents and diplomatic enforcers **Shield of Empire** Brian Lavery, 2012-11-01 The Royal Navy has always been seen as an English institution despite a large Scottish contribution from Admiral Duncan at Camperdown in 1797 to Andrew Cunningham in the Second World War The Royal Navy's most dramatic effect on Scotland aside from its role in the British Empire and European wars was in suppressing the Jacobite campaigns from 1708 to 1746 This book breaks new ground in telling the stories of almost forgotten campaigns such as the submarine war in the Firth of Forth in 1914-18 In two world wars and since the 1960s a large proportion of the Navy's power has been based in Scotland from the Grand Fleet at Scapa Flow to Trident submarines at Faslane Most British sailors of the Second



World War had part of their training in Scotland and the famous base at Tobermory was only one of many Yet the Navy never felt at home in Scotland As one Scottish admiral put it In both wars the Royal Navy flooded into Scotland to make use of our deep water ports and sea lochs for large scale and safer anchorages After each war the Navy unimaginatively retreated en masse to the Channel The book ends with a unique account of the setting up of the controversial missile bases in the Holy Loch and Gareloch Brian Lavery then looks at the future in order to determine the effect devolution and possible independence might have on Scotland and the Royal Navy

### **The Eastern Fleet and the Indian Ocean, 1942-1944**

Charles Stephenson, 2022-04-06 A study of the British Royal Navy's activities in the Indian Ocean during World War II led by Admiral Sir James Somerville The story of the British Eastern Fleet which operated in the Indian Ocean against Japan has rarely been told Although it was the largest fleet deployed by the Royal Navy prior to 1945 and played a vital part in the theatre it was sent to protect it has no place in the popular consciousness of the naval history of the Second World War So Charles Stephenson's deeply researched and absorbing narrative gives this forgotten fleet the recognition it deserves British pre war naval planning for the Far East is part of the story as is the disastrous loss of the battleship Prince of Wales and battlecruiser Repulse in 1941 but the body of the book focuses on the new fleet commanded by Admiral Sir James Somerville and its operations against the Japanese navy and aircraft as well as Japanese and German submarines Later in the war once the fleet had been reinforced with an American aircraft carrier it was strong enough to take more aggressive actions against the Japanese and these are described in vivid detail Charles Stephenson's authoritative study should appeal to readers who have a special interest in the war with Japan in naval history more generally and Royal Navy in particular Praise for The Eastern Fleet and the Indian Ocean 1942-1944 This meticulously researched outstandingly clear well written and absorbing account is long overdue and will most likely become a standard work The text is most helpfully supported by over 80 pages of detailed end notes referenced to each chapter and a detailed index This is not only a book for naval historians but also for anyone with an interest in the War in the Indian Ocean region Highly recommended Military Historical Society I enjoyed this book it gives us an account of an often neglected part of the war at sea and of the achievements of Admiral Somerville who kept his fleet intact in the face of a potentially overwhelming opponent then was willing to acknowledge that his fleet needed to improve massively before it could take on the Japanese Dr John Rickard author and webmaster of the Military History Encyclopedia on the Web

*Frank McClean* Philip Jarrett, 2011-07-13 During aviation's pioneering years Francis Kennedy McClean used his vast inherited wealth to help the now famous Short Brothers company become established as one of Britain's greatest aircraft manufacturers and in doing so he helped the Royal Navy's first pilots into the air In effect he was Godfather to British naval aviation But McClean did much more than even that He was himself a balloonist and pioneer aviator flying with Wilbur Wright in France in December 1908 He provided the Royal Aero Club with one of the first flying grounds in the UK personally purchased no fewer than sixteen aeroplanes from Short Brothers before the First World War

and also acted as the companys unpaid test pilot Convinced that aviation was destined to play a vital role in the nations defence he made his own aeroplanes freely available for training and ensured that the Navy had a suitable site from which to fly founding Englands first naval flying school at Eastchurch in Kent His flight up the Thames to Westminster on 10 August 1912 during which he flew between the upper and lower spans of Tower Bridge and passed beneath the other bridges caught the public imagination but despite all these achievements he remained unassuming modest and reticent This is a fascinating and informative account of McCleans great influence on early aviation and his achievements and significant contribution to naval aviation are revealed here for the first time

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