

The Air Pilot's **Manual**

Volume 2

Air Law and **Meteorology**

'Recommended reading'
Civil Aviation Authority



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Tel: +44 (0)208 207 3749

Web: www.pooleys.com

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Editorial Team

Dorothy Saul-Pooley LLB (Hons) FRAeS

Dorothy held a UK ATPL, now EASA Part-FCL CPL (A) and a CPL (H) and is both an instructor and examiner on aeroplanes and an instructor on helicopters. She is Head of Training for a school dedicated to running Flight Instructor courses at Shoreham. She is also a CAA Flight Instructor Examiner. In addition, having qualified as a solicitor in 1982, Dorothy acted for many years as a consultant specialising in aviation and insurance liability issues, and has lectured widely on air law and aviation insurance. This highly unusual combination of qualifications led to her appointment as Honorary Solicitor to the Guild of Air Pilots and Navigators (GAPAN).

Dorothy is a Fellow of the Royal Aeronautical Society, Past Chairman of the GAPAN Instructor Committee of which she was a founding member and the prime instigator of the Guild's Joint Forum with Central Flying School at RAF Cranwell for Senior Flying Instructors. She is a Past Chairman of the Education & Training Committee. After serving as a Warden on the Court of GAPAN for three years, she was appointed Master for the year 2014–2015 of the newly renamed Honourable Company of Air Pilots. She is also Chairman of the Professional Flying Instructors Association.

In 2003 Dorothy was awarded the Jean Lennox Bird Trophy for her contribution to aviation and support of Women in Aviation and the BWPA (British Women Pilots Association). In 2013, Dorothy received the prestigious award of a Master Air Pilots Certificate from GAPAN. In 2015 she was awarded the Brabazon Cup by the BWPA for her outstanding achievement in aviation. A regular contributor to seminars and conferences, Dorothy is the author and editor of a large number of flying training books and has published articles in legal and insurance journals and many in aviation magazines.

Helena Hughes

On leaving university in 1989 Helena obtained a PPL in America, converting to UK licence on her return. Shortly afterwards she started work in Air Traffic Control at London Luton Airport, earning her controller's licence in 1990. During her time at Luton she was involved in controller training as both an instructor and assessor. Helena continues to be an operational Air Traffic Control Officer and is currently posted to Thames Radar. She holds a CPL/IR and has been a flying instructor since 1998, teaching PPL and associated ratings. She is a Ground and R/T examiner and has written both PPL and ATPL Radiotelephony Training Manuals.

Philip Baxter BA (Hons) LLB (Hons)

Philip held a UK ATPL (A), is an Instructor and has been a PPL Examiner. He began his working life in the Civil Service, having joined from school, and stayed for more years than he now cares to remember! He worked in a wide variety of (mostly) very interesting jobs, within several Departments, which included one period as Private Secretary to a government Minister, another (reflecting his long-standing interest in aviation matters) dealing with aircraft noise and ICAO 'Annex 16' issues as well as pollution from aircraft engines; and another as a technical author. Much of the remainder of his Civil Service career was related to telecommunications, ranging from international Treaties to technical standardisation. This included representing his departmental interests on Standards Committees in particular, both internationally and domestically. Both his Degrees, the first in Science and Technology, the second in Law (providing an unusual combination) were awarded following part-time study with the Open University. Since 'retiring' early from a senior middle-management grade, Philip worked for six years as a full-time Flight Instructor and Flight Examiner, accruing some three and a half thousand instructional hours. Phil teaches ground school subjects for the Flying Instructor course and has also been Vice Chairman of the Professional Flight Instructors' Association (PFIA).

Robert Seaman BSc MRI FRMetS

Rob Seaman is a professional pilot on the Airbus family, a flight instructor and meteorologist who is committed to connecting these professions together for the benefit of flight safety. With a life-long passion for aviation he was awarded a Royal Air Force flying scholarship (1998), the Norman Motley Flight Instructor Scholarship (2007), elected Liveryman of the Honourable Company of Air Pilots (2016) and was expert advisor on the United Kingdom Flight Safety Committee. Rob's key interest is in the practical application of human factors to meteorological threats so as to enhance their management on the flight deck. His previous career in the Met Office culminated as Head of Policy Advice relating climate change and the environment to foreign and defence policy. This drew on experience gained from previous roles supporting civil and military aviation operations; as a Senior Applied Scientist developing weather related decision aids to increase efficiency and effectiveness, and as an Operational Meteorologist supporting the military at HQ Air Command, the Falklands and the Middle East. Rob studied Physics at Imperial College, is an Associate of the Royal College of Science and Fellow of the Royal Meteorological Society.

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The Civil Aviation Authority, Captain R. W. K. Snell, Shaun McConnell, David Hockings, Helena Hughes, Geoffrey Farmiloe AFRIN, LLB (Hons), LLM, Daljeet Gill, Philip Odell, Esther Law and the many other instructors and students whose comments have helped to improve this manual.

A Condensed History of the Air Pilot Manuals

For over 30 years the Air Pilot Manuals have led the academic training of pilots in the United Kingdom and in many countries around the world.

I first met Trevor Thom, a professional pilot and natural teacher, in Melbourne during a visit to Australia in January 1985. He already had his series of PPL Manuals for the Australian market and I asked him to produce a series for the New Zealand market where we had a small aviation business. Having completed this task, Trevor immediately began writing the first of the Air Pilot Manuals for the United Kingdom market and this project began in earnest on 5th December 1985.

Both Trevor Thom and Robert Johnson commenced the task in my office at Feldon. By the end of the following year, all four volumes were complete and were published in February 1987. By the end of that year, we estimated that 95% of all the UK Flying Schools were using our manuals. Volumes 5, 6 and 7 followed, so completing the full series.

Unfortunately, Trevor Thom had a serious accident at home which prevented him from continuing with the editing of the manuals. His rights were eventually sold to David Robson, another experienced pilot and natural teacher, who progressively improved the drawings and brought colour into the manuals for the first time.

Over the years there have been many assistant editors, in particular Peter Godwin, whose help I first asked for in the very early days with Trevor Thom and which continued until quite recently. The rights in the Air Pilot Manuals are now vested with the Pooley family and they continue to be edited and published from our offices and the school at Shoreham Airport.

The Air Pilot Manuals have an outstanding reputation for accuracy and are continuously updated. They are recommended CAA reading material and are referred to extensively in the CAA examination answer booklet.

Robert Pooley
CStJ FRIN FRAeS

Preface to the Fifteenth Edition

Keeping up to date with legal changes is challenging, because the law is changing all the time. In this edition, we have expanded on the European regulations which are still in a transitional period of implementation. We have included the European rules of the air. Please be aware that there are almost daily changes to some aspects of aviation law, so you must check the CAA and EASA websites frequently.

To highlight the difference between UK CAA material and ICAO or EASA material, we use a lighter typeface for the ICAO material.

NOTE Please check our websites for updates and links to references mentioned in the text. Please refer to www.pooleysapp.com and to the Pooleys websites: www.pooleys.com and www.pooleysfis.com.

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