



Exocet warships

WITH THE advent of the surface-to-surface guided missile (SSM) in the late 1960s, the capability of a surface warship to strike 'over the horizon' was greatly increased. Surprisingly the Royal Navy was slow to take up the SSM and when, at last, they began to fit or refit warships, it was the French designed 'Exocet' system which was used.

The Royal Navy has plans to refit units of the 'County' and 'Leander' Classes with Exocet and to fit or refit all units of the 'Amazon' Class similarly. The Exocet missile is some 5.2 metres long with a range of over 38 kilometres; surface skimming to avoid detection, it has the useful feature of its storage containers also acting as launching tubes. It is currently in service with several Western Navies including the French, Hellenic and West German.

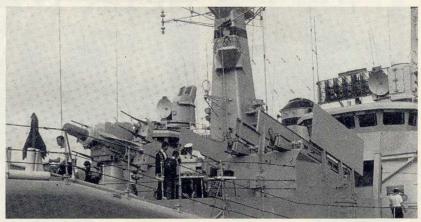
'Leander' Class

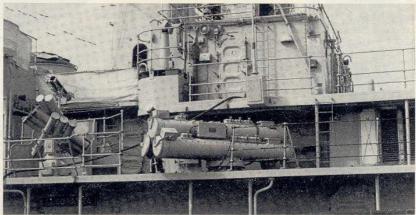
HMS Cleopatra (the only non-Greek name in the 26 strong 'Leander' Class) commenced trials late in 1975 after a two and a half year Exocet refit at Plymouth's Devonport. This made her the first of the eight or so Leanders scheduled to be so fitted with the Exocet in place of the 114 mm turret. Subsequently, it is understood, all the 10 broad-beam Leanders will be refitted with the SSM system.

Pen No	Name	Refitting 1973-75 1977-78 1975-77 1976-77 1977-78 1977-78		
F28	Cleopatra			
F40	Sirius			
F42	Phoebe			
F45	Minerva			
F47	Danae			
F52	Juno			
F104	Dido	1977-78		

Top HMS Cleopatra, pictured off Portland in January 1976, was the Royal Navy's first Exocet equipped frigate of the 'Leander' Class. Above right The forward Seacat launcher and the Exocet SSM launchers of HMS Cleopatra. Right The ASW tubes newly fitted to Cleopatra during her Exocet refit (Photos: Royal Navy and Paul Beaver).















Above left Foremast aerial array on Cleopatra. Above centre A bow view of Cleopatra. Above right The 40/60 mm Bofors gun on her new sponsons. Below right HMS Arrow (F173), one of the latest frigates in service.

'Amazon' Class

All eight ships of this general purpose frigate class are destined to receive the Exocet fittings just forward of the bridge. HMS Arrow (F173), commissioned as the fourth 'Amazon' Class in July 1976 and reviewed by the Queen at Spithead, was the first Type 21 in service with Exocet. Amazon, Ambuscade and Antelope will be refitted in due course. The four other units were equipped during building. The triple anti-submarine torpedo tubes supplied in the Airfix kit have also been fitted during this time.



Pen No F169 F170	Name Amazon Antelope	Ship Status In commission In commission	Exocet Status To be fitted To be fitted	Pen No F173 F174	Name Arrow Alacrity	Ship Status In commission In commission	Exocet Status Fitted Fitted Fitted
F171	Active	On trials	Fitted	F184	Ardent	In commission	
F172	Ambuscade	In commission	To be fitted	F185	Avenger	On trials	Fitted



HMS Norfolk was the first 'County' Class destroyer to be fitted with the Exocet system late in 1975.

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A high level view of Antrim's four Exocet launcher tubes. The two port tubes have yet to be fitted in this April 1975 photograph, but the racks are visible (Royal Navy via Paul Beaver).

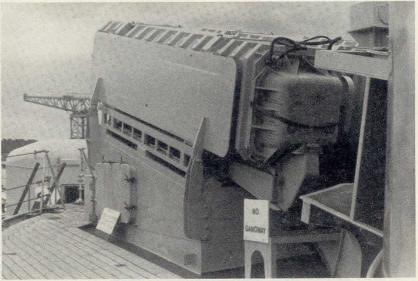
'County' Class

In fact, the batch-two County Class guided missile destroyers (DLG) were the first class of Royal Navy warship to be fitted with Exocet. HMS Norfolk (D21) staged the first firing trials in late 1974. Today all four of the batch-two units are so fitted with B turret removed and four launcher tubes in its place. The warships involved were HM Ships Antrim (D18), Glamorgan (D19), Fife

(D20) and *Norfolk* (D21). At this time it is not expected that the other three units of the class, in batch-one, will be fitted with the Exocet SSM.

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Paul Beaver



Above Port side of the Exocet tubes on Antrim. Below Starboard side of HMS Norfolk showing Exocet and blast screen. Bottom Antrim's main armament — Exocet SSM and 114 mm gun (Photos Paul Beaver).

