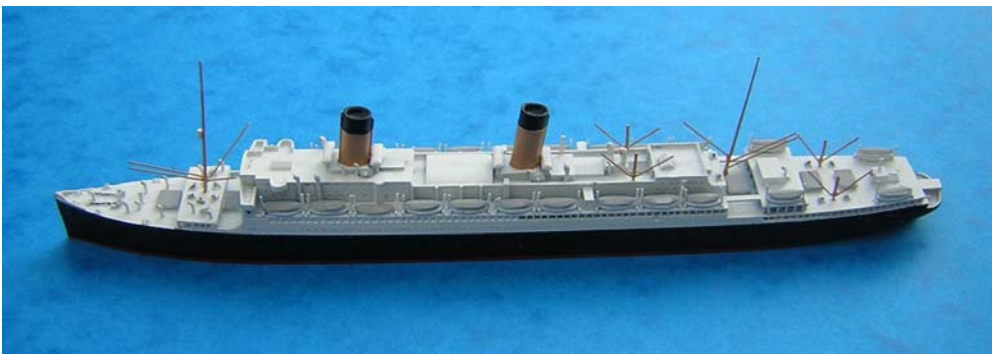


***A GUIDE TO
1/1200 AND 1/1250
WATERLINE MODEL SHIPS***



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FOREWARD TO THE 5TH ISSUE

The first issue of this guide was compiled in 1990 and was based on a series of eight articles published in Marine Modelling magazine during 1989. In producing a [booklet](#) it was possible to include much additional detail and to provide listings for certain manufacturers whose ranges were out of production and whose models would therefore not be listed in dealers' catalogues. Issue 1 then contained listings for Eagle*, Ensign*, Hornby Minic/Rovex*, Airfix*, Casadio*, Triang*, Delphin, Hansa, Star and Wiking. Issue 2 (which appeared in 1996) repeated those asterisked and added full lists for Len Jordan Models, Pedestal, Fleetline and Nelson. With UK collectors in mind, all British models produced by a further eighteen manufacturers were listed in tables, most of which have been retained and updated for this issue.

For Issue 3 (and continuing with Issues 4 and 5) all the entries have been reviewed and a number of new manufacturers included. It was decided to retain all previously mentioned manufacturers for the record, even if some are long out of production. New model lists for American ships have been added for Hansa, Trident Alpha, Navis (capital ships only) and Neptun (capital ships only), Star and Wiking. Although several of these makes are out of production, models can still be found second-hand and in some cases the only source of a particular ship may be a discontinued range. Other American ship models in current production are mentioned with the descriptions of the manufacturer concerned.

New models are appearing all the time. One of the most difficult tasks is determining what has and has not been released, and which models may have been deleted. Every attempt has been made to ensure accuracy – at least at the time of publication. To check for current model availability the shop web sites listed below are especially useful.

To those readers who originally tracked me down through the magic of www.steelnavy.com (and my thanks to Paul Jacobs for his support and enthusiasm), welcome and I do hope you find the guide of interest. For further reading, there are now monthly articles in Marine Modelling International magazine (www.traplet.com) in the Waterlines column. Other Internet sites carrying waterlines data include www.1250fleets.com (a general site) plus www.wiedling.de, www.collnav.de & www.galerie-maritim.de (mail order shops in Germany; the latter (like 'steelnavy') also carrying good links to other useful sites including many of the manufacturers). GM also have a wonderful and free 'katalog' download. Collnav has extensive and useful model lists. No doubt this list will grow.



Eneris SB 131 Russian tug

This issue was last updated: 12 January 2009. All feedback and comments are welcome.

CHAPTER 1 INTRODUCTION

AIM AND ACKNOWLEDGEMENTS

The aim of the guide is to provide an encyclopaedic reference of manufacturers and models (1/1200 and 1/1250), with an emphasis on British and, to a lesser extent, American ships. Every attempt has been made to ensure accuracy and completeness but as always comment on any errors or omissions would be more than welcome. Additional information, particularly on the continental manufacturers identified by name only, would be especially helpful. I would very much like to acknowledge the assistance provided by Martin Brown in researching and reviewing earlier issues of the guide, and for the entire Triang entry; also to Paul Jacobs for information on the American scene and Keith Tatton for introducing me to A.J. Holladay & Co. Ltd. It is hoped that existing collectors will find this latest edition useful and potential newcomers will discover the tremendous scope of this absorbing hobby. Firstly a little background to the hobby, starting with the UK.

The UK Scene

Perhaps the first small constant scale waterline ship models to be commercially manufactured in Great Britain were Dinky's 1/1800 series, with Treforest Mouldings, under the name **TREMO**, producing the first 1/1200s, both from the mid to late 1930s. Somewhat earlier **Fred T. Jane** had produced an extensive range of models to be used with his 'Kriegspiel' but these were apparently not to a constant scale although of course are now collectable in their own right. Returning to Tremo, however, the models were produced by a former employee of the German Wiking company and concentrated on contemporary warships, although production ceased when the unfortunate Herr 'Tremo' was interned for the duration in 1939. Also pre-war was a range of merchants known as **SHIPSERIES** which included a tanker and a hospital ship at least. Between 1933 and about 1939 a firm called A.J. Holladay & Co. Ltd produced a range (known as Ship Series D and E) of 1/1200 wooden construction kits, with cast components, that were available as either kits or assembled/painted. The D series included 8 warships (cruisers and battleships) and 3 liners whilst the E series (available in finished form only) of accessories offered various submarines, destroyers, small merchants plus a lightship (the Nore) and a lighthouse. There may also have been a model of HMS Ark Royal and 1/1200 buildings.



Tremo R class battleship

The 1940s and early 1950s was a barren time for UK collectors with little or nothing available commercially and models only being produced by specialist model builders such as **Bassett-Lowke** and in the form of official **Admiralty Recognition Models**. The latter were not available to the general public although by the 1960s many had found their way into private collections via government surplus sales. All these models were hand built in wood, using fine wire where appropriate. By the late 1950s the situation had improved and there were two main sources of models, both working in 1/1200. The **Triang** die-cast range, which was in production between 1959 and 1964/5, included 40 merchant ships, 37 RN warships plus harbour parts and accessories. Many of these models now command high prices if in mint and boxed condition. In parallel **Eagle** (or Eaglewall) produced a small range of plastic kits of World War 2 era RN and Kriegsmarine warships and auxiliaries, plus a single merchantman, 30 different moulds in total. Some identical models were sold under different names and in fact 42 kits were released altogether, some as small sets. These models were not especially accurate but considering the technology of the time very acceptable, and also cheaply priced. They were firmly aimed at the 'schoolboy' end of the market and introduced many present day collectors, myself included, to the hobby.



Triang HMS Blackpool

As Triang and Eagle ceased production in the mid 1960s, the American company **Pyro** released a few plastic kits of USN and IJN warships, but these were poor representations of the ships concerned and definitely intended for wargamers rather than collectors. By the early 1970s, the various **Casadio** plastic kits had become available and these are still in production under the **Revell** name. Round about this time a shop in Scotland - Argyle Models - began to import what to us were new, and compared with what we were used to, rather expensive German made models by Hansa, Delphin and Wiking. Little was yet known of the various mail order shops in Germany, and the vast range of models available.



Hansa HMS Blake

During the early 1970s **Fleetline**, **Ensign** and **Oceanic** began to produce metal ship kits and Superior were being imported from the USA, and over a limited period there was even a resurgence of the plastic kit with half a dozen 1/1200 warship releases from Airfix. Of these Fleetline and Oceanic have fallen by the wayside although models by late 70s newcomer **Clydeside** are once more becoming available. The most prolific UK manufacturers are now **MB Models**, **Mountford** and **Len Jordan**, with the latter's models being offered assembled and painted from various sources.



Naval Recognition USS North Carolina

Overseas

Foreign manufacturers, primarily German and Austrian, working almost exclusively in 1/1250, do produce probably 95% of all models so they form a major part of the guide. It was in about 1935 that collecting first became popular in Germany with the products of a firm called **Wiking-Modellbau**. Since 1950 the number of manufacturers has boomed, and in Germany in particular there is a plethora of small firms, often one man and his casting machine and indeed new makes are appearing all the time. The guide naturally includes Wiking and attempts to provide a comprehensive listing of the others even if some of the smaller manufacturers are only given a single sentence, or if no information is available, just a mention by name. Where possible the emphasis is on models of British ships although this is not always easy as many of the manufacturers main, if only, interest is on ships of their own nationality.

Moving farther afield there are several other manufacturers based as far away as Japan and the USA who deserve an entry. Early production in the USA concentrated on warships and involved three main companies namely Comet and South Salem, based in New York State, and Framburg from Chicago. All three firms were active from about 1940, their main customer being the United States Navy. South Salem were taken over by Comet round about 1941/42, who then either themselves were taken over, or perhaps changed their name to Authenticast some time in the 1950s. The final twist is that Superior bought out Authenticast in the 1960s and continue to this day with their ranges of primarily wargaming models in 1/1200 and 1/2400. Framburg are reportedly still in business but no longer making ships, although copies of both Framburg and early Comet models are available from Metal Miniatures. More information on this story can be found in Chapter 4.

Collecting

In categorising the continental manufacturers an attempt has been made to assess their relative importance. This begs one major question - how is that importance gauged?; certainly not on volume but rather on the quality, scope and availability. Price is another factor, perhaps less significant as almost without exception these are collectors models at collectors prices. Availability is a major factor; many of the smaller manufacturers are in fact hobbyists who select a particular ship because

they want it in their own collection and then run off just a small number of models, perhaps for trade to friends in their immediate collecting circle or maybe to sell to finance the purchase of other commercial models. Even the larger manufacturers, especially those with huge catalogues, cannot hope to have all models available at all times. Often the catalogue is cycled through over a number of years, and even then many models may be omitted the second time round if it is thought that there will be little or no demand. For us collectors the guide-line should be, buy it when you see it! Apart from anything else the exchange rate is likely to be less favourable next time.

Sources of Information

Chapter 3 is based on a number of primary sources some of which can also be consulted for further more detailed information. My initial source was Peter Jahnke's Ship Model Catalogue which lists hundreds of models, regardless of availability, by manufacturer; this is unfortunately no longer in print but in the electronic age has been replaced by the 'Katalog' download from www.galerie-maritim.de which lists nearly 19000 models¹. Another major source is the 'WEDE Handbook for Ship Models 1:1250' which was published in two parts, the first covering German ships with listings by type of 4500 models including buildings, harbour parts and accessories from 150 manufacturers and running to 170 pages. Part 2 covers non-German ships and exceeds 5000 models. The WEDE handbooks include only those models which have been released. A further extremely useful source is Peter Wiedling's Ship Model Register which lists hundreds of models by country and again only those which have actually been released. The Register was first published in 1985 with an updated two part version appearing in 1993-4. For information on models in current production perhaps the most comprehensive catalogue is that issued by L. Wiedling in Grunwald. Another extremely useful source of information is the 'Hamburger Rundbrief' (HR) which is the specialist German language magazine for collectors. It is published six times a year and research for this guide has included all issues from 1983 to date. Also of value due to the proportion of English language content (now up to 75%) and colour illustrations is the quarterly A5 magazine 'Waterline International' produced by the Rome-based 'Waterline Italia' (WI) organisation. Contact addresses for both WI and HR are included in Annex A.

Very few books specifically about waterline ships have been written; the following being the best known examples:

- Waterline Ship Models 1972 Conway Maritime Press, John Bowen,
- Miniature Merchant Ships 1997 Conway Maritime Press, John Bowen (ISBN 0 85177 659 0),
- More Miniature Merchant Ships 2003 Chrysalis Press, John Bowen (1997 book also re-printed by Chrysalis),
- Warships in Miniature – Guide to Naval Waterline Ship Modelling in 1:1200, M. Ainsworth (ISBN 0 85177 799 6),
- Bassett-Lowke Waterline Ship Models 1996 Golden Age Editions, Derek Head (ISBN 1 872727 72 7),
- Miniature Ship Models, 2008, Paul Jacobs
- Die Welt der Schifffahrt en Miniature, 1992, ed. Horst Kronke (ISBN 3 7822 0564 2),
Aus der Welt der Kleinen Schiffen, 1996, ed. Horst Kronke (ISBN 3 7822 0648 7).

The last two listed above are in the German language but contain many illustrations both in black & white and colour. For an excellent account of the early development of the waterline model up until the 1960s 'Classic Waterline Ship Models' by Michele Morciano is recommended (available via Waterline International - see address in Annex A).

Camouflage

For those interested in warship camouflage, there are a number of books to look for:

- RN Warship Camouflage 1939 - 1945, Hodges, published by Almark in 1973,
- Kriegsmarine Camouflage (German edition), Jung, Abendroth & Kelling. 1976,
- The Painter's Guide to WW2 Naval Camouflage, Hreachmack, published by Clash of Arms in 1996,
- USN Camouflage of the WW2 Era, published by Floating Drydock,
- USN Camouflage of the WW2 Era - Fleet Carriers, published by Floating Drydock,
- USN Warship Camouflage 1939 - 1945, Ellis C published by Pique in 1975,
- Naval Camouflage 1914 - 1945, Williams, D (ISBN 1 86176 154 6),
- Camouflage Volumes 1 – 3: RN 1939-41, 1942, 1943-44, Raven A, published by Warships Perspectives,
- Camouflage Volume4 RN Supplemental, Raven A, published by Warships Perspectives.

There has also been some magazine coverage of this subject, specifically a series about the USN in Scale Models many years ago and much more recently by Alan Raven a series called 'The Development of Naval Camouflage 1914 - 1945'

¹ Apparently a new 'Katalog' with 22000 + models is due soon.

(published in the US magazine Ship Modeller in 1996-97). For authentic paint chips contact Snyder & Short Enterprises (address in Annex A). Camouflage Vols 1 - 3 by Alan Raven is published in the USA but available from Maritime Books (www.navybooks.com).



Argonaut Provence

List of Manufacturers

The table that follows gives lists of manufacturers, past and present, of metal and resin models. These are divided into 'UK', 'Continental' and 'Other Overseas' with each given a separate chapter in the guide. 'Continental' has been further subdivided into 'Major', 'Minor' and 'Others' and in general this reflects volume of production & availability, and certainly not quality or importance to the hobby. In Germany new producers seem to be appearing all the time so apologies for any omissions. The table also includes a listing of name only of a further group of whom nothing is known apart from name. Although produced abroad, the newcomer – **Triang Minic Ships Ltd** – will be covered in the UK section of the guide.



Skytrex Mercator Georgic

Happy Collecting:



UK:

Bassett-Lowke	Deep "C"/Athelstan	Len Jordan	Pedestal
Broadwater	Ensign	Marine Artists	Santa Rosa
Cap Aero/Figurehead	Figurehead	MB Models	Sanvan
Clearwater	Fleetline	Mountford Metal Miniatures	Sea Vee
Clydeside	Gorky	Navwar	Skytrex/Mercator
Coastlines	Gwylan	Nelson	Solent
Connolly	Hornby Minic (aka Rovex)	Nemine (Llyn)	Triang
Cruise Line Models	Leicester Micromodels	Oceanic	Wass Line WMS

CONTINENTAL (mainly German and Austrian):

Major:	Others:	
Albatros	Aegir	Laiva
Argonaut	Albert	LH
Argos	Aquarius	Maru
CM	B/V	MK
Delphin	Baltica	Mowe
G	BESCH	Nautik
Hai	Binkowski	Navalis Moguntia
Hansa	BM	Nord-Ostsee
Navis/Neptun (& Copy)	BS	Nordica
Ostrowski** (part of Modell Pool)	Collecta (inc. Sottpuster)	Old Salt
Sextant (part of Modell Pool)	Copy (new)	Omega
Trident Alpha	Dedo	Optatus
Trident	DH	Padermodelle
Wiking	DOESEMA	Pharos
	EH	Pontos
Minor:	Eneris	Poseidon
Anker	Foerde	Quadrant
Atlantis (part of Modell Pool)	Fuchs	RA
Bille	Galerie Maritim	Red Tape
Carat/CSC	GEM	RFR
Colonia	Granat	Remo
Degen***	GS	Rostocker Schiffsminiaturen
Helvetia	H and B	Sailing Maritime
HL	H2O	Schiff & Schiene
Holsatia	Hammonia	Seaborne
K Modelle	Herpa	Sedina
RG	HF	Seestern
Rhenania	Hydra	Sirene
Risawoleska	Intug	Smaers
Kyle	Iskra	Stauffenberg
Lloyd	JB	U9-Modelle
Luna	JK	UVM
Nautilus	Klabauterman	Vagel Grip
Noordzee	KM	Vindebona
Schlingelhof (HDS)	Kreis	
Star		
Welfia		
Westfalia		
X Modelle		
Yorck		

** aka 'Ocean Service Models'

*** aka 'Hein Muck'

Note re Modell Pool -
ceased trading late 1997

By Name: Berolina, Biebekarben, Cruise Fleet, Frisia, 'Hard Ship', Kompass, Otten, Rudomski, Rupp, Santos, Union, Welco (due to the absence of further information these are not mentioned again).

OTHER OVERSEAS:

Grifo (Italy)	Mercury (Italy)	Pilot (Denmark)	Superior (USA)
Kiwi (New Zealand)	Metal Miniatures (USA)	Pyro (USA)	Great Lakes Models (USA)
Konishi (Japan)	Midway Models (USA)	South Salem copies (USA)	Triang Minic Ships Ltd (HK)
	Miniships (Spain)	Sagatoga MS (USA)	USA Models (USA)
		Scherbak (USA)	Youngerman (USA)

CHAPTER 2 UNITED KINGDOM MANUFACTURERS

This section of the guide covers UK manufacturers past and present in alphabetical order. For that one-off model to complete a particular fleet or shipping line there are specialist model builders who can be contacted via the classified ads in Ships Monthly.

BASSETT-LOWKE

Bassett-Lowke was perhaps the first manufacturer of small constant scale waterline ship models, and although the models were commercially available, the main customers were the shipping companies whose vessels were represented. Nevertheless many private collections were launched using Bassett-Lowke, and today the models are extremely valuable, especially if in good condition.

Production ran from the 1910s to the late 1940s and at its peak over 100 models, from 28 shipping lines, were available. Models were often updated in terms of colour scheme and appearance, in parallel with the actual ship, and some vessels were even depicted in wartime grey. Issues 6 and 23 of the now defunct magazine Seascap (published in the late 1980s) contained respectively descriptions of Bassett-Lowke's warships and merchant ships with illustrations of many of the models.

Further information can be found in the 1997 book 'Bassett-Lowke Waterline Ship Models' by Derek Head (published by Golden Age Editions, 3 Denbeigh Rd London W11 2SJ). This must be the definitive guide to these models and in 160 pages describes and profusely illustrates (214 photos, many showing several ships, plus reproductions of catalogues etc.) the story of Bassett-Lowke and their models. In addition to an introduction, chapters are devoted to warships, merchant ships, the post 1945 period, 50 feet to the inch models (the remainder being 1/1200) plus a short description of the present day situation for waterline enthusiasts. Some information is also given on other manufacturers of recognition models which may help when such items turn up at swapmeets. A number of appendices give lists of models produced, including all known ships made to 1/1200 scale. The quality of production is excellent with the extensive use of colour photography particularly suited to the merchant ships.

BROADWATER

Initial releases from 'Broadwater Models' were a hump-backed whale hotly pursued by a flotilla of RN submarines - SSBN HMS Vanguard, SSK HMS Upholder, various A class boats and the much earlier M1, M2, M3 and M3 as a minelayer. A huge number of models are catalogued for future release although Broadwater seem to be resting on the sea bed at present.



Broadwater HMS/m Vanguard

CAP AERO

Rather than ships, CAP Aero produce an equally welcome series of 1/1200 aeroplanes. Although primarily intended for wargamers, these models are of great interest to us waterliners. Navies/periods covered are Japanese, American, British, Italian, German and Russian (all WW2), British 1945 – 1995, Russian 1974 to date and American 1964 to date. The models are sharply cast in white metal and most, including even the biplane types, appear to be in single pieces. See also the entry for 'Figurehead'.

In 2002 ownership of this range passed to Noble Miniatures in the USA; fortunately we still have a UK point of contact (see Annex A).

CLEARWATER

Announced as a new (2007) range of 1/1200 kits with resin hulls & white metal parts; reportedly the range will include current & recent RFAs; in the future the models may also be released in assembled and painted form. Nothing yet seen

CLYDESIDE

The Clydeside 1/1200 range concentrates on the various belligerent navies of WW2, but also includes, to a lesser extent, the modern RN and USN, and the British and German navies of WW1 era. In addition there is the 'Clyde Coast' series of

merchantmen. In the past some of the WW2 ships were American Superior models produced under licence. The models are primarily intended for wargaming and are robustly cast in white metal. They are generally produced as one piece kits, requiring cleaning up and painting, although on the larger models gun turrets are normally cast separately. With more recent models, such as the Tribal and WW2 'war emergency' destroyer classes from O to Z/CA, there has been a move towards multi-part kits. This approach facilitates the removal of flash, particularly around gun turrets, and also deck painting. Some of the earlier models are also being re-mastered and the new offerings are greatly improved.

Of ships not too easily acquired from other manufacturers, the Dutch cruisers De Ruyter and Java, and destroyers Eversten and Van Nes from the Battle of the Java Sea are worth seeking out, as are the Italian motoscafo armato silurante (MTB) and vedette antisommergibili (sub chaser), which are particularly fine little models. Similarly, from the Imperial Japanese Navy, the heavy 8" gunned cruisers Aoba and Kako are recommended. For WW1 Clydeside adopted a battle theme with the first issues in this era covering the various ships involved in the Battles of Coronel and the Falklands in 1914, designed as a wargaming set. Availability of Clydeside is somewhat intermittent at present, although the entire catalogue of some 140 models (Superiors excluded) is reportedly being slowly re-worked at an improved standard.



Clydeside IJNS Aoba

Appearing in 1997 were a new and improved series of World War Two 1/1200 scale metal kits. Depicted at the time of the Battle of the River Plate the models are of the cruisers HMS Ajax, HMNZS Achilles, HMS Exeter, HMS Cumberland and the German pocket battleship Graf Spee. Each kit comprises some 30 parts and are very well detailed with nice touches such as the inclusion of ships' aircraft which in the case of the County class cruiser may be shown in the hangar. Full assembly and painting instructions are provided. Released in 1999 were the Dutch destroyers Evertsen and Van Nes suggesting that those vessels which took part in the Battle of the Java Sea may be on their way; latest releases are eight different Fletcher class destroyers. 2007 brings the 'C series', even if it means all previous models have been discontinued for the moment. New releases include IJN minesweeper Wa 1 (circa 1940), Algerine Class minesweeper HMS Rattlesnake, Bathurst class minesweeper HMAS Bendigo & a 72'6" Vosper MTB. Latest release in 2008 is the escort carrier HMS Audacity

COASTLINES

Coastlines are, as the name suggest, producers of models of coastal scenery typically where a lighthouse is involved such as Eddystone and Beachy Head. This has been expanded to include coastal vessels such as Admiralty 1915 H.S.Tug, Brading (Isle of Wight Ferry 1965), Calshot (1950, Southampton tender to the Ocean liners), Neptune (Red funnel steam tug 1950s livery) and Southsea (Isle of Wight Ferry 1950s). There are also some RNLI lifeboats for example 1947-65 Self righting Lifeboat, Liverpool 35'6" type, 1970's Solent type 1970s and last of all the 1894 Parsons steam pinnace Turbinia.



CONNOLLY

An extensive range of modern soviet warships, amphibious types and auxiliaries intended for the wargaming market and designed/priced accordingly; nearly 70 models catalogued, production ceased in 1986. Not worth looking for.

CRUISE LINE MODELS

These are buildings for use in harbour dioramas although rumours persist of models of cruise liners – let's hope so.

DEEP "C"/ATHELSTAN

A newish range of British merchant ships made in resin including such models as the coastal tanker Shell Welder (1956), Coast Line's Pembroke Coast (1936) and the oil rig support vessel Far Service from 1995. At the time of writing, the most recent is catalogue number DC 15, the Empire Ken (1945). 'Athelstan' is a series of 'super-detailed' resin models from the same maker; first releases are: - Pacific Bridge, 1967 (AM 1), Bidston, 1933 (AM 2), Ocean Coast, 1935 AM 3), Tarawera (AM 4).

ENSIGN

Ensign provide several series of 1/1200 and 1/1250 scale models mainly aimed at wargamers & modellers and hence supplied as white metal kits. The largest series, known as 'White Ensign', covers almost without exception WW2 warships of all the belligerent nations, with some 60 models released. These include submarines, escorts, destroyers, cruisers and even a few aircraft carriers. 'Red Ensign' consists of 25 WW2 era merchantmen and finally a lighthouse (Triang copy) on an island. Examples of the range are British Endurance (oiler), SS Avoceta (passenger/cargo), Temple Mead (cargo) and Japanese Kongo, Calcutta and Noto Marus. British ferry Isle of Guernsey, like some of the warships, is a Triang copy.



HDS Ensign Little Rock

Perhaps the best quality models sold by Ensign are those produced under licence from HDS, this make being more commonly known, on the continent at least, 'Schlingelhof'. About 45 HDS-Ensigns have been released, just under half of which are modern warships - from the RN HMS Leander (gun version) and HMS/m Oberon; plus soviet and USN destroyers, frigates and submarines, French and West German submarines, soviet and West German FACs, a couple of Japanese Maritime Self Defence Force vessels and even a Nigerian Vosper Mk9 frigate. The largest vessels are the landing ship USS Suffolk County and the guided missile cruiser USS Little Rock; most popular soviet are probably the missile destroyers Kashin I and Kashin II. WW2 models include some Hansa standard 'Narvik' class destroyers, a few landing craft and submarines; American escort carrier and destroyer escorts, and the stars of the range IJN monster submarine I400, fleet submarine I16 and destroyers Akizuki and Kagero. These models are almost identical to their equivalents in the Japanese produced Konishi range (see separate entry) and one wonders if they are simply copies. Ensign also sell HDS 1/1250 aircraft, with a huge selection of over 200 types although as with the ships some of the moulds are starting to lose their sharpness.

FIGUREHEAD

This is a series of white metal kits of minor warships of WW2. Most belligerent nations are covered with various types: MTBs, MGBs, PT boats, Air Sea Rescue launches and minesweepers. An unusual offering is an Italian Caique sailing boat. The largest warships are RN and RCN Flower class corvettes and a German 1935 T-boat. There are also some merchant types, namely Ben Read (tanker 1923) & Broomfield (tramp steamer 1938 Zillah line).

FLEETLINE

In 1971 the Fleetline Model Company launched into 1/1200 waterline model ships with a 16 part kit of HMS Armada, a Battle class destroyer of the first group with a Mark VI director and quadruple torpedo tubes. This was followed by HMS Jutland of the second group with the US Mk 37 director and quintuple tubes. Such attention to detail has characterised the range through its metamorphosis from 'Fleetline' through 'Scaledown', 'House of Hobbies', '1/1200 Scale Ships' and finally to 'Seascale' as it was known until its final demise. The catalogue eventually stood at some 170 models, primarily from the WW2 and modern eras, and included ships, aircraft, vehicles and harbour accessories. All were cast in good quality white metal, requiring assembly and painting.

The range included a variety of modern submarine models with fourteen different soviet types, including nuclear powered ballistic and cruise missile types (SSBN and SSGN), nuclear powered hunter killers (SSN), and various conventional diesel

electric boats (SSK). These were complemented by two USN SSNs, the Sturgeon, lead vessel of a class of 37, and the one-off USS Tullibee; and from the RN HMSs Dreadnought, Swiftsure (SSNs), Resolution (SSBN) and SSKs of the Oberon and A class. Earlier versions of the Resolution model had the diving planes in the vertical as opposed to horizontal position, and these are now quite rare. The RN/RFA surface fleet is represented by HMS Invincible, the Type 42 destroyer HMS Sheffield and the LSL Sir Tristram, all as built. Other modern models were the fast training boat HMS Cutlass and a soviet Osa I missile boat, the latter being the vessel the Cutlass and her two sisters were designed to simulate for fleet training purposes. To complete the era, Seascale provided Lynx and Sea King helicopters, the Sea Harrier, two types of Hovercraft, the infamous Icelandic gunboat Aegir, and two merchant vessels, the ocean-going tug Lloydsman and the 1974 Brazilian chemical tanker Quitauna.

The majority of WW2 models were RN vessels, mainly light forces. The largest ships were the light cruisers Ajax, Caradoc, Curacoa, Cairo and Coventry, and the escort carrier Pursuer. These ships were supported by the fast minelayer HMS Abdiel, plus various destroyers, frigates, corvettes, minesweepers, submarines and MTB/MGB, a total of 33 different types. The RN range was complemented by a small selection of amphibious and auxiliary vessels, and a very nice model of the monitor HMS Roberts. This kit also contained the extra parts needed to model her sister ship Abercrombie. The Axis navies of WW2 were less well represented. IJN vessels included the destroyer Asashio, three submarines, one of which was a full hull Kaiten, and a landing craft; from the Kriegsmarine there was a 'Narvik' class destroyer, an E-boat, a type D landing craft, and Type XB and VII U-boats; finally from Italy the seaplane carrier Giuseppe Miraglia and a Balilla class submarine. The largest navy in WW2, the USN, had minimal representation, namely two submarines, three MTBs, and EC2-S-C1, C2 and ET1-S-C3 Liberty ships. Of the latter, the Type C2 tank transport (FCA35B) seems to have been released in limited numbers. WW2 accessories included Wildcat, Corsair, Sunderland and Catalina aircraft and a number of different vehicles, mainly tanks and trucks. From earlier times Seascale offered three Napoleonic warships, the WW1 12" gunned submarine M1 and a range of confederate and union vessels from the American Civil War. Unfortunately Seascale ceased production in 1990 and reportedly the model masters are all but destroyed.



Fleetline HMS Roberts

GORKY

A seemingly now discontinued series of modern soviet submarine models, similar in style to Seascale (ex Fleetline) but supplied painted and with periscopes/radar masts added. Initial releases cover some of the more modern types such as Akula and Victor III which to date have been ignored by other UK manufacturers. A total of nine models was catalogued but most seem not to have been issued. Gorky seem to have gone the way of the old Soviet Navy.

GWYLAN

Gwylan produce etched brass detail kits for the Hobby Boss plastic kits and have also issued the cargo ship Zhen Hua with it's load of container cranes.



Gwylan Zhen Hua

HORNBY MINIC (ROVEX)

A small range of die-cast ships and harbour parts produced in the mid 1970s and mainly copies of original Triangs, but on wheels! The models were manufactured in Hong Kong.

M741	HMS Vanguard	battleship	M715	Canberra	liner
M751	HMS Bulwark	aircraft carrier	M704	United States	liner
M742	Bismarck	German battleship		Tug	(part of harbour sets)
M745	Scharnhorst	German battlecruiser (as built)		Harbour Sets	
M743	USS Missouri	battleship,	M902	Ocean Terminal	
M744	IJNS Yamato	battleship	M904	Fleet Anchorage	
M703	Queen Mary	liner	M905	Quayside Set	
M702	Queen Elizabeth	liner	M906	Naval Harbour Set	

LEICESTER MICROMODELS

Long discontinued WW2 era wargaming quality models in 1/1200, comprising the following - HMS Roberts (monitor), RN Towns class and Tribal class destroyers, Flower class corvette and a Fairmile D; from the Kriegsmarine a 'Narvik' class destroyer, T boote and a Type VII U-boat; also a couple of WW1 dreadnoughts.

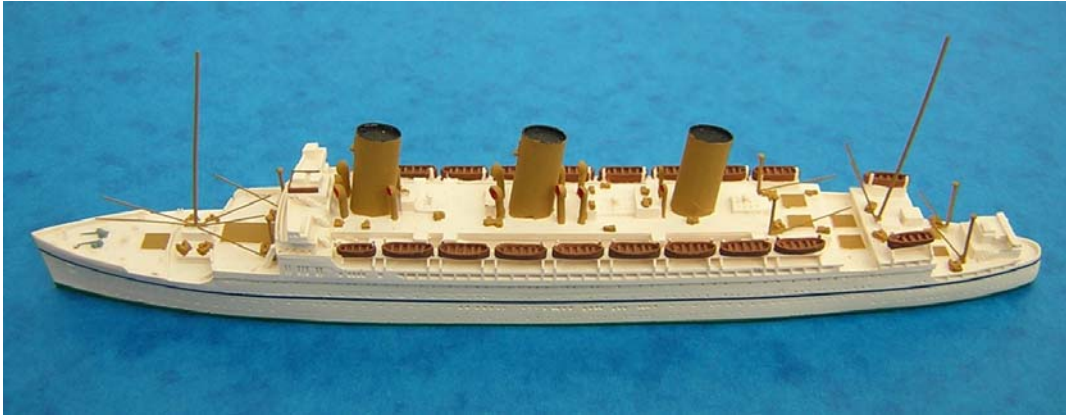
LEN JORDAN MODELS

An impressive series of well produced 1/1200 resin kits, now into their 15th year of production. Typically the models require the addition of masts, derricks and ventilators, and painting; each kit includes a profile drawing, information on colour scheme(s), plus details of changes of ownership and name, where known. The range comprises three series, namely liners, merchantmen and tankers, mostly British and all dating from the period 1920 to 1965. The choice of models is carefully filling many glaring omissions in UK collections. Many of the early models have been deleted as the moulds have deteriorated and the original masters condemned as not being up the standard of the latest releases which now tend to include ventilators.



Len Jordan Arcadia

From a collector's point of view we have seen the models gradually improve to the point that the crispness of casting and standard of detail is quite the equal of their German made counterparts from such firms as Albatros or CM. The information sheets supplied with the kits are also invaluable, for example with M50 we learn that ship and her many sisters were of the C3-S-A2 and A4 type and were built between 1943 and 1945 serving with a number of American shipping companies. Some of the ships had masts and others kingposts; many had 'goalpost' style kingposts. Information is provided for four different configurations cross-referred to actual ships owned by the various companies listed, these being Grace Line, American President Line, Isthmian Lines Inc., Lykes Bros. Steamship Co. Inc., Matson Navigation Co. and Moore, McCormack Lines Inc. Colour scheme details for each company is given, so for example Lykes Bros. ships for the era had a black hull with red waterline; white upperworks and boats; masts, kingposts and derricks in a very light brown and funnel in black with a white band. For those with a steady hand the funnel band contains a blue diamond with a white 'L'. Again for each company there is a list of ship's names which can be very helpful if trying to find perhaps a single picture of any one of the ships in a book. A full list (to date) of LJ's models is given in Annex B. The models can be found assembled and painted under the names 'Britannic' and 'Solent' (the latter not to be confused with the manufacturer of the same name). As of late 2004 the models are available only via WMS (see separate entry).



Len Jordan Empress of Japan

MB MODELS

New in 2006 and launched with the Soviet sea skimmer 'Ekranoplan' and more recently a Type 45 destroyer (with decals for all six in the class); available from Wiedling and from Martin Brown (see Annex A).



MBM Type 45 destroyer

MARINE ARTISTS MODELS

A series addressing mainly UK lighthouses, lightships and lifeboats; 'flagship' of the range is the Needles, with lighthouse. New releases seem to have dried up with the final (?) being Cunard's Britannia dating from 1840. Also available are SAXMAMTREX, being Skytrex kits assembled, super-detailed and painted by Marine Artists, and marketed by Saxon Miniships. With the current absence of source material, this range too seems to have been suspended.

MOUNTFORD METAL MINIATURES

A range introduced in 2002 with white metal kits of WW2 warships in the traditional 1/1200 scale. Mountford have gone from strength to strength are currently list 15 WW2 era models (mainly RN) and 17 RN vessale from 1964 to the present day. Use is now being made of resin with a new substance called resimet due soon. The models are available as kits or assembled and painted. Mountford also produce harbour dioramas.



Mountford RN ships

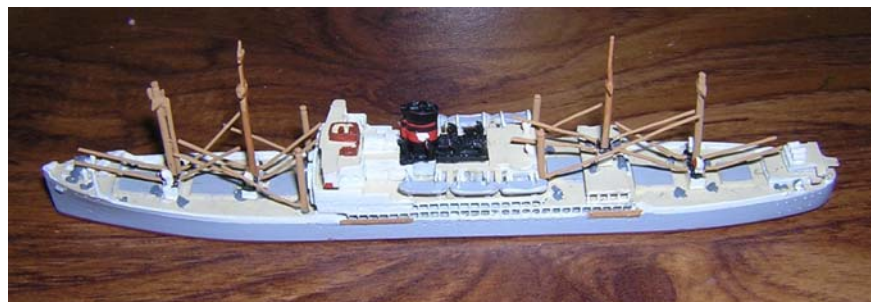
NAVWAR

Long discontinued wargaming models, in 1/1200, from a number of eras, namely Ancient (22 biremes and similar), Renaissance (7 models) and Napoleonic (25 models from the British, French, Spanish, Dutch, Danish and American Navies, plus some generic merchantmen). Examples of the Napoleonic series are HMS Union (98) and the 74s HMS Implacable and HMS Thunderer. At one stage a WW2 range known as 'Seawar' was also produced with 5 Kriegsmarine vessels - sea-going torpedo boats T1 and T22, minesweeper Type 1935 and 2 different E-boats, plus RN lend-lease Captain and Town class destroyer escorts.

NELSON

A now discontinued range of 1/1200 British merchants, solidly moulded in metal and similar in standard to original Hansas. Recent models feature etched brass shelter decks; all are fully painted. Listed below are all known models at the time of writing. It is proving difficult to determine exactly which have been released. Thanks to WSE for the photo below.

1	Reina del Pacifico	1930	Pacific Stm Nav. Co.	14c	Mauretania	1921	Cunard
2	Otranto	1925	Orient	14d	Mauretania	1933	Cunard, cruising colours
3	Britannic	1932	White Star	15	Lusitania	1907	Cunard
4a	Highland Princess	1939	Royal Mail Line	16	Britannia	1858	Cunard
13	Rangitiki	1928	New Zealand Line	17	Dominion Monarch	1939	Shaw Savill
11	Nestor	1913	A. Holt	18	Sarpedon	1923	Blue Funnel
5b	Highland Chieftain	1929	Nelson Line	19	Lancastria	*1940	Cunard
6	Asturias	1926	Royal Mail Line	20	Politician	1935	T & J Harrison
5a	Highland Monarch	1928	Nelson Line	21	Empire Clyde	*1953	ex-Cameronia
14a	Mauretania	1907	Cunard	22	Politican		
8	Andes	1939	Royal Mail Line	23	Accra	1927	Elder Dempster
7	Alcantara	1935	Royal Mail Line	25	Aba	1928	Elder Dempster
4b	Highland Brigade	1929	Royal Mail Line		Cameronia	1919	Anchor Line
9	Canterbury	1929	BR (Southern)		Apapa	1926	Elder Dempster
10	Capetown Castle	1937	Union Castle		Asturias	1947	as troopship
12	Mauretania	1938	Cunard		Southern Princess	1929	Prince Line
14b	Mauretania	1915	as hospital ship				* as in



Nelson Southern Princess

NEMINE/LLYN

A limited production range of finely cast and well painted resin models, with some 150 releases at the time of writing. Some examples are tugs Barents See (L. Smit & Co, 1957), Ionia (Hull, 1980) and Stackgarth (R & JH Rea, 1959), coastal tanker Petworth (Stephensen Clarke, 1958), freighter Fred Everard and side trawler St Christopher (1958). The models are listed in Germany under the trade name Llyn and are regularly seen at swapmeets in the UK. From 2003 all models are being produced under the Llyn name.

OCEANIC

An elusive range which is no longer in production. The catalogue lists some 200 ships, primarily from the period 1939 to the present day and concentrates on British ships such as coastal craft, tugs, naval auxiliaries (tankers and storeships), trawlers, escort carriers, ferries and modern RMAS types.



Oceanic Girdleness

There is also the 'Target' listing of WW1 RN torpedo boats and destroyers designed for wargaming. The models are supplied as white metal kits and although not to a particularly good standard, offer the benefits of reasonable price and the possibility of finding many ships not available elsewhere.

'Oceanic' occasionally materialise at UK swapmeets.

PEDESTAL

Well detailed resin models of merchant ships that participated in Operation Pedestal in 1942, hence the name, and various RN WW2 ships that were converted merchantmen. The models were based on Len Jordan originals suitably modified and with much extra detail. The range is no longer in production. Lists of models follow; several may not have been released; those in italics almost certainly were not.

Almeria Lykes	1942	US Lykes Line	Wairmerama	1942	Shaw Savill & Albion
Brisbane Star	1942	Blue Star	Wairangi	1942	Shaw Savill & Albion
Clan Ferguson	1942	Clan Line	Santa Elisa		
Dorset	1942	Federal	Ajax	1942	Blue Funnel
Deucalion	1942	Alfred Holt	Auckland Star		
Empire Hope	1942	Ministry of War Transport	Orari		
Glenorchy	1942	Glen Line	Fort Halkett		
Melbourne Star	1942	Blue Star	Empire Might		
Ohio	1942	Eagle Oil & Shipping Co.	Empire Darwin, CAM	Ministry of War Transport	ship
Port Chalmers	1942	Port Line	Empire Lankester	Ministry of War Transport	
Rochester Castle	1942	Union Castle	Hansa		German AMC

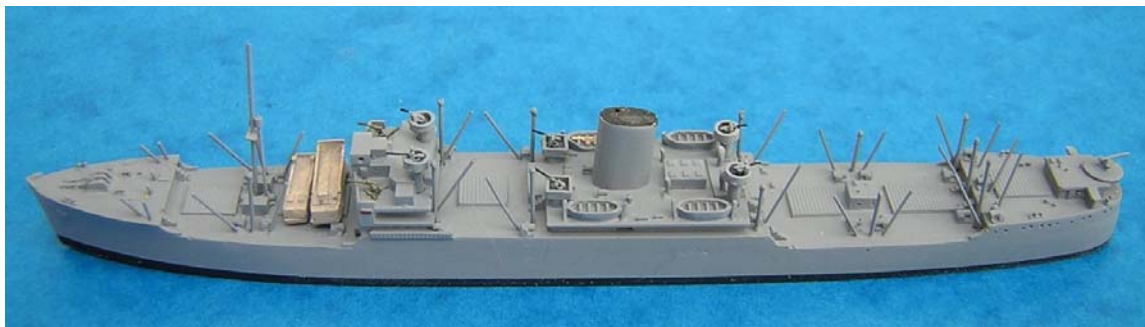
HMS Athene	aircraft transport	HMS Hector	AMC
HMS Lamont	LCI	HMS Agamemnon	Minelayer, later amenities ship
HMS Rapana	MAC	HMS Blenheim	destroyer depot ship
HMS Aurania	AMC	HMS Bonaventure	X craft depot ship
HMS Artifex	repair ship	HMS Engadine	aircraft transport
HMS Alaunia	repair ship	HMS Ranpura	AMC
HMS Alcantara	AMC	HMS Ranpura	repair ship
HMS Glenroy	LSI		

British War Conversions By Pedestal

SANTA ROSA SHIPS

Santa Rosa Ships speciality is 1/1200 models of merchant ships as converted for war duties during the period 1939 - 1945. Each model is individually hand made frequently using as a starting point one of Len Jordan's excellent kits. All those currently available are now made to order. Those suffixed 'm' are of metal; others are of resin. In producing their Pedestal Convoy series Santa Rosa have taken over from the defunct 'Pedestal' range.

Typically ships are presented in wartime grey with a full complement of AA guns, all correctly sited. SR10 is available with a range of deck cargoes including planes, tanks or trains. The Brisbane Star has a deck cargo of two landing craft and a particularly nice touch is the pair of oars stowed in one of the ship's boats, a detail also found on the Melbourne Star. This latter ship is also fitted with a minesweeping A frame and such attention to detail makes these unusual models a worthy addition to any WW2 collection.



Santa Rosa Brisbane Star

The catalogue as far as can be established is given below, those in *italics*, for example the small warships, are no longer available. In the case of 56 & 57 there has been some re-use of catalogue numbers. Sadly the maker passed away in 2008.

SR1	Liberty ship	SR43	SS City of Omaha
SR1a	Liberty ship tanker	SR44	San Elisio, armed tanker 1944
SR1b	Steven Hopkins, EC2-S-C1	SR45	Empire Jet, armed tanker 1944
SR2	Victory ship	SR46	
SR3	Daghestan, helicopter ship	SR47	
SR3a	Daghestan, CAM ship	SR48	
SR4	Empire Ocean, CAM ship	SR49	
SR4a	Empire Darwin, CAM ship	SRsm50	HMS Gardenia, corvette 1940
SR5	Dalton Hall, CAM ship	SRsm50a	HMCS Shediac, corvette, 1941
SR6	Empire Tourist	SR51	Empire Chapman, armed tanker 1943
SR7	Bullfrog, cable ship	SR52sm	Hunt I class RN destroyer
SR8	Royal Eagle, AA ship	SR53sm	Hunt II class RN destroyer
SRs8	Royal Eagle, AA ship camouflaged	SRs54	HMS Athene, aircraft transport
SR9	British Fame	SR55	Fort Bedford
SR9a	British Trust	SR56	HMS Bulwark, 1956
SR10	Fort Halkett	SRs56	RFA Lundy, tank cleaning vessel
SR10a	Fort Halkett with deck cargo	SR57	Caldy, tank cleaning vessel
SR11	Ranger class oiler	Srs57	RFA Dingledale, armed oiler
SR12	Black Ranger, oiler	SR58	
SR12a	Blue Ranger, oiler	SR59	
SR13	Bar class	SRs60	Pampas, as at Malta 1942
SR14	Robert Middleton	SRs61	HMS Pretoria Castle
SR14a	Robert Middleton (post war)	SRs62m	Hills class trawler (metal)
SR15	Aristocrat, AA ship	SR63	Patia, CAM ship
SR16	Round Table class trawler	SR64	Clan Lamont, LSI(L)
SR17			
SR18	T2 tanker with deck cargo of a/c		Coastal Convoy Ships
SRs19	Abbeydale, oiler	CC1	Broomfield, 1938
SRs20	Isles class trawler	CC2	Annaghmoor, 1924
SRs21	Alynbank, auxiliary AA ship	CC3	Belford, 1920
SRs22	Dingledale, oiler	CC4	Ben Read, 1923 tanker
SRs23	Jaunty, fleet tug	CC5	Cordene, 1924
SR24		CC6	Fulham, 1936 Thames flat iron
SR25	Eaglesdale, RFA tanker	CC7	Kylbrook, 1924
SRS26	Empire Fred, Armed tug	CC8	Holm Force
SR27	Empire Regent, fast Empire		
SR28	HMS Hilary, LSI (HQ)		Special Models
SR29m	KM trawler	SM1	Glenorchy, 1939
SR29ma	KM trawler type II	SM2	Belgian Veteran, (Ocean), 1942
SR30	KM patrol boat M/S	SM3	Belgian Crew, (Empire), 1943
SR30ma	KM patrol boat A/S		Pedestal Convoy
SR31	HMS Grey Fox, gun boat	P1	Melbourne Star
SR32m	Fairmile D MTB	P2	Brisbane Star
SR32ma	Fairmile D MGB	P3	Dorset
SR33		P4	Port Chalmers
SR34		P5	Almiria Lykes
SR35		P6	Rochester Castle
SR36		P7	Ohio

SR37m	RN drifter, M/S	P8	Empire Hope
SR37ma	RN drifter, A/S	P9	Deucalion
SRs38	Empire Julia, rescue tug	P10	Santa Elisa
SR39	Fairfield City (US freighter PQ 17)	P11	Wairangi
SR40	KM R boat M/S	P12	Wairmerama
SR41	KM S boat S18	P13	Clan Ferguson
SR42	KM S boat S181, armoured bridge	P14	Glenorchy

SEA-VEE

The evolution of SeaVee started in the mid-1980s with resin cast models of the STUFT vessels Atlantic Conveyor & Atlantic Causeway and tanker British Explorer under the name Fleetrain. These were similar in quality to Degen but rather more detailed and well finished & painted. Over the following years a number of models were made, all in resin but to an ever improving level of sharpness and detail, examples being HMS Gloucester (Type 42 Batch III), HMS Malta (cancelled aircraft carrier), HMS Cornwall (Type 22), RFA Sir Caradoc, RFA Argus and USS Arleigh Burke. Work was commenced on a USS Tarawa but this does not seem to have been finished. A number of modern merchant ships were also made including complete a rebuild of the Atlantic Conveyor, Columbia Star, channel ferry Pride of Sandwich, Sealink Isle of Wight ferry St Helen, Elizabeth Bowater and P & O's Strathewe still in resin but to a superb standard of detail and paintwork. One of the first to be cast in metal was Seacat (Hoverspeed ferry 1991). Some of the larger ships have been cast in metal in Germany (apparently by Rhenania) for example the Strathewe and reportedly a number of ferries.

The good news is that Sea-Vee are back offering the same very high standards, but now in metal. Unfortunately the models go out of production very rapidly such that even the ships in last March's list are now largely unavailable; the table below has been compiled from lists over the past few years with absentees and future releases in italics. Those marked * have been seen! The web site contains details of all models that have been produced and will give the current status for availability. A secondary range, with catalogue numbers SVX lists 23 models, mainly USN, USCG or MSC, but also some Italian ships plus HMS Gloucester and the experimental Vosper trimaran frigate Triton; 14 of these 'specials' are available at the time of writing of which 10 are 'discontinued' meaning that when current stock is gone no more will be made; HMS Gloucester is one of the casualties. Finally look out for a couple of real specials – USSs Savannah and Chandler; only 30 of each are planned! Point of contact (now in France) for these models is in Annex A. Web site is www.seaveemodels.com.

501*	Fort Victoria	AK, 1994	514	Waterman	Future release
501a	Fort George	AK	515*	Mac 1010	LK
502	Fort Austin	AK, 1979	515a*	W 1517	LK
502a*	Fort Grange	AK	516*	Moorhen	TL
503	Regent	AK, 1967	516a*	TCL 1905	LK
503a	Resource	AK, 1967	517*	Dog class	Tug, 1965
504	Argus	RH, 1981	518	Newton	FO, 1976
505	Sea Crusader	Ro-Ro, 1997	519	Irene	Tug
506	Olmeda	AO, 1965	520	Salmoor	AT, 1989
506a	Olna	AO, 1966	521	HMS Lynx	1957, future release
507	Sir Galahad	LSL, 1987	522	HMS Salisbury	1959, future release
507b	Sir Tristram	LSL, 1986	525	HMS Ashanti	1961, future release
507d	Mexefloat		526	Blackwood class	1958, future release
508	Diligence	AR, 1981	527	HMS Whitby	1960, future release
509*	Adept	Tug, 1980	528	Sabre	1960
509a	Powerful	1985	529	Director	Paddle tug
510	Northella		530	HMS Ark Royal	1977
511	Kinterbury	1985, future release	531	Confiance	RMAS tug 1960
512	Magnet	DF, 1979	531a	Agile	RFA tug 1958
513	Arakan	L, 1978			



Sea Vee RFA Fort Victoria

SANVAN

A few now long discontinued resin models such as the Orion and Canberra both as liners and troopers, although the 'Great White Whale' looks suspiciously like a just a modified copy of the Triang/Hornby version; also available was a large diorama of the white cliffs of Dover.

SKYTREX/MERCATOR

This firm is producing, or have in recent years produced, no less than eleven series of models as follows:

- • Mercator 1/1250 liners and warships (from the original German Mercator range);
- • Mercator 1/1250 liners (new by Skytrex);
- • Triton 1/1200 Napoleonic 1790 – 1815;
- • Triton 1/1200 American Civil War;
- • Triton 1/1200 transitional era 1840 – 1860;
- • Triton 1/1200 ironclad era 1860 – 1885;
- • Mercator 1/1250 pre-dreadnoughts (new by Skytrex);
- • Leviathan 1/1250 World War 1 warships – RN dreadnoughts only at present;
- • Triton '1250' modern warships, auxiliaries and aircraft;
- • Triton '1250' merchant marine range;
- • Seascape 1/1250 harbour components and accessories.

For their current status please check www.skytrex.com or write to the address in Annex A. As of mid 2005 the following 1/1250 ranges are in production – Mercator, Triton Harbour Accessories (formerly Seascape), Modern Warships (formerly Triton 1250 but offering now only RN ships; HMS Illustrious (as recently modernised), 1960s commando carriers HMSs Albion and Bulwark have been added to the new range.)

The original Triton 1250 range of modern warship models was launched in 1983 and when in full production included over 50 different ships from minesweepers to nuclear powered aircraft carriers. The models were cast in white metal and available either as kits or assembled/grey painted. A kit would typically comprise the hull, cast in one piece, with superstructure, masts, radars, guns and missile launchers provided separately. In general the models were reasonably well detailed and easy to assemble. In some instances a degree of filing and filling was needed to achieve a satisfactory finish, particularly to overcome problems of hull register. The modern warship models are currently discontinued for re-work to an improved standard and presumably these early shortcomings will have been overcome.



Skytrex Triton 1250 HMS Norfolk

Over half the total range listed is taken up by ships of the modern RN and RFA and virtually every class and batch in current operational service is covered, plus an increasing selection of ships from earlier years, including the CTOL carriers Ark Royal and Victorious and a number of destroyers and frigates. The model of HMS Hermes, complete with ski-jump and landing craft left over from her previous role as commando carrier, is especially impressive. This ship could of course now be depicted in Indian service as the Viraat, or with the removal of the ski-jump and appropriate flight deck markings as a good old fashioned fixed wing carrier. Several different variants of the Type 42 are available, with varying weapon and sensor fits, showing Batch I and II ships as built and currently modified, plus the Batch III or stretched version. Unfortunately the latter features a rounded stern as in the original design, rather than the square stern which was ultimately adopted. The more expensive Albatros K model of HMS Manchester is also incorrect in this respect although the recent HMS Edinburgh is spot on. Four different Leander class frigates are produced including the original gun-armed version, and Exocet, Ikara and Sea Wolf conversions. The other Leander conversion with a lowered Exocet mounting and a towed

array sonar has not been produced. The Sea Wolf Leander is a very disappointing model but the others are quite good. The latest Type 23 frigate is also available and has set new standards in terms of detail and finish. Skytrex cover most of the large RFAs including the heavy repair ship Diligence, only exceptions at the time of writing being the support tanker Oakleaf and the new Fort Victoria class.

Skytrex offer ten different USN warship models including Kidd and Spruance class destroyers, the USS Ticonderoga and back in 1983 the only known model of the nuclear powered cruiser USS Truxton. The largest kits in the range are those of the American carriers John F. Kennedy, Nimitz and Enterprise of which the latter is perhaps the best model, showing the ship as recently modified. The hulls of these large vessels are crisply cast in resin, with the flight deck in metal and in two parts. It is not always easy to hide the join when assembling the flight deck and perhaps with this in mind, Skytrex sell these three models either as kits, or assembled, or assembled and grey painted (no deck markings).

Most major Soviet types are represented such as the 'battlecruiser' Kirov, a very fine model, the Kiev, and the various classes of missile cruiser from Kynda (1964) to Slava (1984). Models of the destroyers Sovremenny and Udaloy complete the current soviet range of nine models. Various Dutch, West German, Canadian, Nigerian and Argentine destroyers/frigates are also available, and a range of 1/1250 aircraft.

Warships of three other eras are also addressed in kit form, namely Napoleonic, American Civil War (20 models, intended for wargamers), and lastly mid-19th century (typified by the French Gloire and HMS Warrior) to ironclad. Skytrex have filled a huge gap in the UK market with their models and with a little time spent on assembly, paintwork and perhaps extra detailing, some very fine models can result. In 1989 Skytrex moved into modern merchant ships for the first time and unlike the warship models, the 'Merchant Marine' series of models (currently discontinued) were only available assembled and painted; just five models were issued, as listed below. The quality of these models is akin to original Hansa and they do not seem to have been a great success.

TM 1	City of Liverpool (bulker, 1981)	'Merchant Marine' Series Models
TM 2	Hakone Maru (container ship, 1968)	
TM 3	Columbialand (bulker, 1968)	
TM 4	Arundel (collier, 1956)	
TM 5	SD14 type merchant ship (1965)	

Skytrex have also introduced the 'Seascape' series which offers harbour layouts, merchant and naval, again all fully painted and ready for immediate use. The harbour pieces were originally sold as small sets but are now available as individual items. The original quay sections were designed to be compatible with those formerly manufactured by Triang and Hornby, although the latest versions are re-issues of Mercator pieces. A series of New York harbour piers can be found in this series. Another Skytrex venture is pre-1918 warships with the Leviathan series of WW1 warships and Mercator RN pre-dreadnoughts, all fully painted with most of the latter available in regular grey or more colourful Victorian or tropical schemes. Recent catalogues show 21 models in the Leviathan series which apparently may yet be issued in 'basic' and 'premier' finishes.

M201	HMS Majestic*	M205	HMS Duncan*	New 'Mercator' Pre-Dreadnoughts (201 to 203A only released to date)	
M201A	- in wartime grey -	M205A	- in wartime grey -		
M202	HMS Canopus*	M206	HMS Queen*		
M202A	- in wartime grey -	M207	HMS Swiftsure**		
M203	HMS Formidable*	M207A	- in wartime grey -		
M203A	- in wartime grey -	M208	HMS King Edward VIII		
M204	HMS London*	M209	HMS Lord Nelson		
M204A	- in wartime grey -				
					* in Victorian colours
					** in Far Eastern colours



Skytrex pre-dreadnoughts

In general the pre-dreadnoughts are fine models featuring, apart from the 'basic's, painted decks, but not yet to the quality of the equivalent Navis-Neu.

LE1	HMS Lion	LE12	HMS Canada
LE2	HMS Queen Elizabeth	LE13	HMS Royal Sovereign
LE3	HMS Iron Duke	LE14	HMS Bellerophon
LE4	HMS Indefatigable	LE15	HMS Hood
LE5	HMS Invincible	LE16	HMS Colossus
LE6	HMS Ajax	LE17	HMS Dreadnought
LE7	HMS Tiger	LE18	HMS Repulse
LE8	HMS Agincourt	LE19	HMS Neptune
LE9	HMS Orion	LE20	HMS Glorious
LE10	HMS Erin	LE21	HMS Furious
LE11	HMS St Vincent		

New 'Mercator'
Dreadnoughts
Only LE1 – 3 ever released
(shame as the masters for the
others looked pretty good)



Skytrex dreadnoughts

In 1993 Skytrex were able to take over the German Mercator name and moulds and have since been releasing various of the original Mercator liners, plus some German flak ships, and with technical help from Germany are introducing new models, such as the pre-dreadnoughts mentioned above and liners, for example White Star's Georgic (1932) and Orient/P & O's Oriana (1960); the latter otherwise only found, with great difficulty, from Helvetia. At present the following British warships/RFAs are believed to be available (as kits or assembled).

Vanguard, Battleship 1946	Invincible, Aircraft Carrier 1982	Resource, Fleet Replenishment Ship
Colossus, Light Fleet Carrier	Ark Royal, Aircraft Carrier 1991	Argus, Helicopter Training Ship
Ocean, Light Fleet Carrier	Illustrious, Aircraft Carrier 1999	Fort Grange, Stores Support Ship
Bulwark, Commando Carrier, 1965	Triumph, Repair Ship	Engadine, Helicopter Training Ship
Albion, Commando Carrier, 1965	Fearless, Assault Ship	Tidespring, Large Fleet Tanker
Victorious, Aircraft Carrier 1966	Sir Bedivere, Landing Ship Logistic	Diligence, Forward Repair Ship
Eagle, Aircraft Carrier 1970	Green Rover, Small Fleet Tanker	Bayleaf, Support Tanker
Ark Royal, Aircraft Carrier 1977	Olwen, Large Fleet Tanker	Lyness, Stores Support ship
Hermes, Aircraft Carrier 1982		

Mercator (and Atlantic)

Best known for their superb selection of liners, Mercator have in the past (under German ownership) produced a small number of historical models, an extensive range of warships from the period 1880 to 1945, and a few merchantmen subtitled the 'Atlantic' series. Harbour parts and accessories were also available and are being re-introduced by Skytrex. Mercator have now been acquired by Skytrex so very fortunately the range should continue. The description below summarises the last known 'state of play' of the original range as produced in Germany. Typical of the so-called historical series was a set comprising the Santa Maria, Pinta and Nina. The warship series which numbers some 160 models primarily addressed minor German types, but also included pre-dreadnoughts, flak ships, auxiliaries, light cruisers and WW2 submarines.

'Foreign' vessels were Japanese WW2 submarines, an impressive and colourful fleet of 22 Russian types from 1880 – 1906, the ironclads Hoche (French) and HMS Nile, and a model of the Spanish dreadnought battleship Jaime 1. The Atlantics were mainly German vessels although AT12 Swedish containership. Atlantic Span is of interest to British collectors through her connections with ACL. Over 200 merchant ships are available including freighters, aircraft tenders (pre-war), passenger liners, AMCs, tankers, sailing vessels and even the occasional whaler. Almost impossible to select a few for specific mention but, with an overseas bias, how about the magnificent liners Vaterland, Normandie, Rex and France.



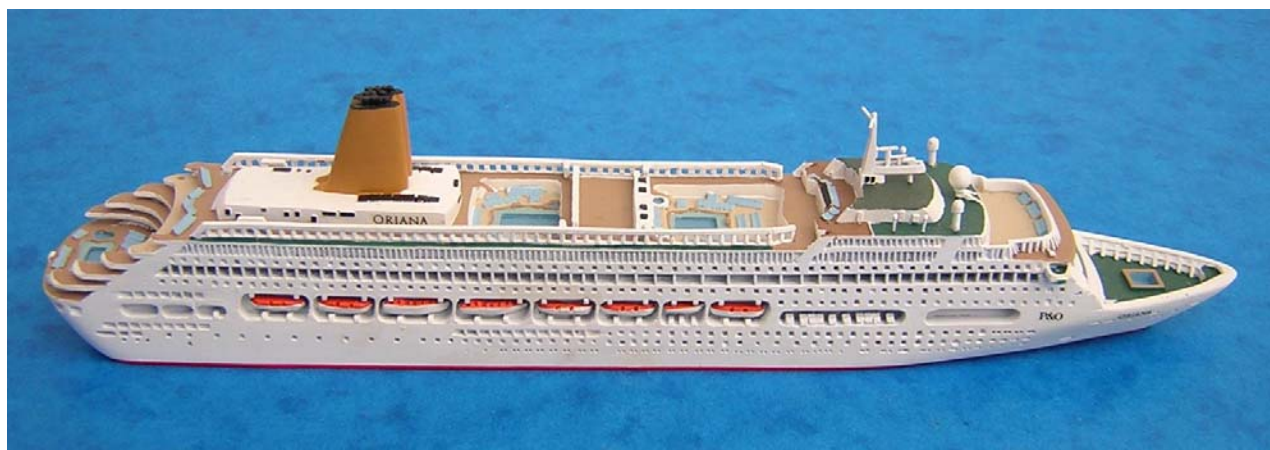
Mercator Tsesarevich

American ships covered are President Hoover (as in 1957, catalogue number M579a), Leviathan (1923, M402a) America (1940, M563), United States (1952, M906) and Edmund Fitzgerald (1958); the latter was Mercator's Special Model for the 1992 Kassel event. All original British merchants are listed in the table below; with the exceptions of M7000, M414, M900 and the Waverly, Skytrex have now re-issued them all; M495a Georgic had not been released prior to Skytrex taking the helm and the supertanker Esso Mercia had been deleted for some time.

N/a	Waverly		paddle steamer	M494	Queen Mary	1938	Cunard
M7000	Manxman	1955	Isle of Man SS Co.	M495	Britannic	1932	White Star
M400	Great Eastern	1859	Great Steamship Co.	M495a	Georgic	1932	White Star
M404	Titanic	1912	White Star	M548	Empress of Britain	1931	Canadian Pacific
M405	Mauretania	1907	Cunard	M578	Shropshire	1926	Bibby
M405a	Lusitania	1907	Cunard	M900	Esso Mercia	1968	Esso
M406	Ivernia	1900	Cunard	M915a	Vistafjord	1983	Cunard
M414	Glennifer	1915	Glen Line	M916a	Sagafjord	1985	Cunard
M419a	Empress of Australia	1922	Canadian Pacific	M921	Queen Elizabeth II	1968	Cunard
M493	Queen Elizabeth	1939	Cunard				

New Mercator models are listed below (an SAE to Skytrex should bring all the latest information):

M418a	Berengaria (1922)	M935a	Arcadia (1998)
M921a	QE II (1994 – blue hull)	M936	Stena Explorer (1996)
M921b	QE II (1997 – black hull)	M937	Sun Princess (1997)
M927	Oriana (1965)	M937a	Dawn Princess (1997)
M927a	Oriana (1960)	M940a	Uganda (1982)
M928	Georgic (1932)	M941	Grand Princess (1998)
M930	Canberra (1960)	M942	Nedlloyd Southampton (1998)
M930a	Canberra (Falklands/1982)	M944	Orontes (1929)
M931	Baltic (1904)	M945	Viceroy of India (1929)
M932	Comorin (1925)	M946	Himalaya (1949)
M933	Oriana (1995)	M947	Aurora (2000)
M935	Star Princess (1989)	M948	Adonia (2003)



Skytrex Mercator Oriana (1995)

SOLENT

'Solent's' first, and to date only, release, is HMS Centaur, circa 1970 as a fixed wing carrier with a solitary Sea Vixen on deck, cast mainly in resin with metal for some of the finer detail. The model was only available in completed form and may have been limited to a few prototypes rather than a production run.

The name Solent has now been adopted by a new endeavour – Solent Mini Ships - providing an assembly and painting service for Len Jordan's models (address is in Annex A).

TRIANG

Many collectors of waterline ship models were first introduced to the hobby through Triang Minic Ships and although long out of production there is still great interest in the range and some debate as to what models were actually issued. Production started in 1958 at Merton SW19, M709 Caronia being the first release. The models were die-cast in very hard metal quite unlike most other 1/1200-1250 ships before or since, the only comparable make being the Italian firm Mercury, whose models were produced in the 1960s (see Chapter 4). The Triang range was gradually increased until eventually a very large selection was produced, including 20 liners, a substantial number of contemporary warships and a considerable assortment of harbour parts and miscellaneous vessels, even down to a whale factory ship, whalers and plastic whales in grey or white, the latter presumably for those who wished to emulate Moby Dick in miniature! Of the liners, the Cunard ships were initially produced with plain red and black topped funnels, but after a comment from the shipping line, black hoops were eventually heat printed on the plastic funnels. Ultimately transfers were used to depict the hoops, as on the re-issued Hornby Minic ships (see other entry). Masts were made in soft plastic and were supplied on sprues, sometimes with spares.

The only variations over the years were to the Antilles and Flandre which were produced both in overall white livery, but also with white upperworks and black hull. The rarest models of all are the Carmania and Franconia which were released just before production ceased. These were re-modelled from Saxonia and Ivernia respectively and used the same catalogue numbers. They were issued in an overall green livery as on the Caronia, with green plastic masts and a completely redesigned stern as in the actual ships. Only 1000 of these were manufactured with some 80% being exported to the USA, so finding one today can be a real problem; they do appear at swapmeets but a three figure sum is likely. As a general guide the liners become progressively rarer the further down the list you go (see Annex B) with the RMS Queen Mary/Elizabeth and SS United States still relatively common.

Turning to the warships, these were initially produced in an overall blue colour scheme and ranged from the battleship Vanguard, through aircraft carriers, cruisers, destroyers, frigates, minesweepers, submarines and tugs. Gun turrets were trainable and cranes, in soft black plastic, were moveable but not detachable; incidentally the somewhat ungainly cranes were also used on the liners Port Brisbane and Port Auckland. Masts on the Vanguard and carriers were loose, although those on the destroyers and frigates were fixed; all were made from the same black plastic.



Triang Franconia

In 1960 production moved to Canterbury in Kent and the colour of all the warships was changed to grey. The County class guided missile destroyers were only produced at Canterbury and so were never blue, a point worth noting if you are ever offered a 'rare' blue one at an exorbitant price. If buying a County also check that the helicopter rotor blade is still attached as these are often lost. Warships known to be rare include blue Vanguards, grey carriers, blue Darings, especially HMS Dainty, and blue submarines. One model which does not seem to have been commercially issued is HMS Albion with a printed paper helicopter deck glued on the flight deck. This model was however definitely produced, but certainly very few were released. Perhaps they were especially commissioned when HMS Albion received her commando carrier conversion in 1961. Another mystery possibly linked to the above is the helicopter which was produced but never listed. This was in fact an unfortunate whale with a County class type rotor blade pinned through its head. Perhaps Greenpeace forced its withdrawal...

A very full range of harbour parts and miscellaneous vessels was produced, including the oil tanker SS Varicella, the whaling fleet already mentioned, a pilot ship, lightships and so on, enabling the collector to build a very colourful harbour layout on a realistic plastic sea, the latter available in two sizes. One item never listed separately was the pier shelter, produced in dark green; this was only supplied with the pier entrance and centre sections, although supply seems to have been somewhat haphazard. As for rarities, pilot boats, lifeboats (small blue plastic models), a factory (a rather weird model based on the pier building but with a tall chimney in place of the dome) and the tanker wharf seem hard to find, in particular the black plastic oil lines for the latter. In order to put to rest a myth that has grown up over the years, it can be stated that the train ferry St Germain, the cargo boat and the barge were never produced, this information coming directly from Hornby Hobbies some years ago. These were the only models to be listed in the catalogue, but not actually produced.

In general the models were sold in bright yellow boxes with blue print, the model name and number being stamped on the box ends; early boxes had a white panel on the ends but this was later discontinued. Larger models were individually boxed but some smaller models were packed several to a box according to the size of the model. Some liners and the Vanguard (see Annex B) were also sold in clear view presentation boxes, and a selection of presentation packs was also produced. These were issued as boxed sets with lavish artwork, and the largest and incidentally rarest is the Nieuw Amsterdam with the Varicella and a suitable harbour layout. Over the years a total of six catalogues was printed and a wood/hardboard display case, with the models glued to narrow shelves, was available for use in shops. The case was surmounted by a large Triang Minic sign, with a representation of the white cliffs of Dover along the base. Dimensions excluding the sign were 24” by 27” and the case was painted light blue. With production lasting over a six year period, it should still be possible to obtain a fair collection via small ads in the modelling press and at swapmeets. The models are very attractive and the liners alone can form a very impressive display. Incidentally Triang seems to be less highly regarded on the continent so there may yet be bargains around. When scouring the swapmeets do not be confused with the re-issued Hornby Minic series (see separate entry) released in 1976. These were made in Hong Kong and featured a red plastic waterline complete with ‘glidewheels’. Always check underneath, because even if the waterline section has been removed, the casting will still bear a ‘Made in Hong Kong’ mark.

TRIANG MINIC SHIPS LIMITED

2003 was a remarkable year for new manufacturers but perhaps the biggest surprise of all was the return of the Triang name. Based in Hong Kong, Tri-ang Minic Ships Limited was founded in 2002 with the intention of producing:

- perfect replicas of the entire set of original Tri-ang Minic ship models,
- perfect replicas of all the original Tri-ang Minic harbour models,
- perfect replicas of the plastic components as replacement parts,
- new models of modern ships in a similar style to complement the original models,
- new models of modern harbour accessories in a similar style to enhance the original display layouts.

The company has issued what are indeed perfect replicas of some of the original harbour accessories plus replacement plastic components for various naval ships and harbour models. The aim here is to help collectors restore some of those original Triangs to their former glory. By far the most ambitious project underway is what is described as a ‘Limited Collectors Edition’ of modern Royal Navy ships more of which below. The whole range is being handled by at least two UK dealers both of whom regularly attend the Theale swapmeets and for information direct from source try an email to sales@triangminicships.com. The harbour accessories and replacement plastic components are listed in the tables.

M836	Quay Straight	3 per box
M837	Crane Unit	4 per box
M838	Storage Tank	4 per box
M839	Customs Shed	4 per box
M840	Warehouse	4 per box
M835	Mixed Accessories	1 each of Crane Unit, Storage Tank, Customs Shed & Warehouse

Replica Harbour Accessories

Carrier masts	4 pieces
Destroyer masts	4 pieces
Set for M741 HMS Vanguard	2 small tripod masts & 2 small cranes
Small ship cranes for M741, M761, M762, M 716, M717	4 small cranes
Large crane for M837 Crane Unit & M885 Floating Dock	4 cranes
Set for M885 Floating Dock	2 dock gates & 2 large cranes.
Set for M855 Tanker Wharf Bert	1 tanker wharf header & 4 pipelines.

Replacement Plastic Components

The RN models will be in the same style as the original Triangs and will include Invincible class carriers, Albion class amphibious assault ships, Type 42 destroyers (Batches I, II & III), Type 22 Batch III frigates, Type 23 frigates, Sandown & Hunt Class mine warfare vessels, Vanguard class SSBNs and Trafalgar class SSNs. The models will be released as a limited edition of 2000 complete sets delivered in nine shipments over an 18 month period and commenced with the first two sets in November 2003. The final shipment will be accompanied by a serial numbered Certificate of Ownership counter-signed by the company's auditors. The list below gives the planned delivery schedule and identifies all the models to be produced. All the ships will be produced in a grey colour scheme with white deck markings as appropriate, black pennant numbers, black highlights and black plastic masts. The submarines are described as being produced in a grey colour scheme with black pennant numbers and black highlights so we will have to wait and see.

- Set 1 - Type 23 Frigates, October 2003: comprising N730 HMS Norfolk, N731 HMS Argyll, N732 HMS Lancaster & N733 HMS Marlborough; (released Nov 03).
- Set 2 - Type 42 Batch III Destroyers, October 2003: comprising N751 HMS Manchester, N752 HMS Gloucester, N753 HMS Edinburgh & N754 HMS York; (released Nov 03).



Triang Minic Ltd HMS Gloucester

- Set 3 - Type 22 Batch III Frigates, 1st Quarter 2004: comprising N721 HMS Cornwall, N722 HMS Cumberland, N723 HMS Campbeltown & N724 HMS Chatham; (released).
- Set 4 - Type 42 Batch II Destroyers, 2nd Quarter 2004: comprising N746 HMS Exeter, N747 HMS Southampton, N748 HMS Nottingham & N749 HMS Liverpool, (released).
- Set 5 - HMS Invincible set, 2nd Quarter 2004: comprising N700 HMS Invincible, N741 HMS Cardiff (Type 42 Batch I), N770 HMS/m Vanguard & N790 HMS/m Trafalgar; (released).
- Set 6 - HMS Albion set, 3rd Quarter 2004: comprising N710 HMS Albion, N765 HMS Brecon, N766 HMS Ledbury, N760 HMS Sandown, N761 HMS Inverness & N771 HMS/m Victorious.
- Set 7 - HMS Illustrious set, 4th Quarter 2004: comprising N700 HMS Illustrious, N742 HMS Newcastle (Type 42 Batch I), N772 HMS/m Vigilant & N791 HMS/m Turbulent.
- Set 8 - HMS Bulwark set, 4th Quarter 2004: comprising N711 HMS Bulwark, N767 HMS Cattistock, N768 HMS Cottesmore, N762 HMS Walney, N763 HMS Bridport & N792 HMS/m Tireless.
- Set 9 - HMS Ark Royal set, 1st Quarter 2005: comprising N700 HMS Ark Royal, N743 HMS Glasgow (Type 42 Batch I), N773 HMS/m Vengeance & N793 HMS/m Torbay.



Triang Minic Ltd HMS Argyll

The 11 RN ships are also being released individually as generic models (i.e. no pennant number) and there are also three sets – S700 Carrier Strike Command Set, S710 Assault Task Force Set and S730 Naval Harbour Set.

Early 2006 releases are merchant ships SS President Buchanan, SS Volunteer Mariner, MV Table Bay and MV City of Durban (all of which can be viewed at www.triangminicships.com) and coming soon various modern USN ships - Nimitz (plus an alternative bridge for the Ronald Reagan), Spruance, Ticonderoga, Arleigh Burke, Oliver Hazard Perry, Avenger, Agile, Ohio and Los Angeles

Triang SHIPS MINIC

For Ages **8+**

DIE-CAST METAL

Harbour Accessories	US Navy Ships	Royal Navy Ships
S 827 Breakwater Set	P 800 USS Nimitz CVN 68	P 700 Invincible Class Aircraft Carrier
S 837 Mixed Accessory Set	P 820 USS Bunker Hill CG 52	P 710 Albion Class LSD
S 854 Tanker Wharf Set	P 830 USS Spruance DD 963	P 720 Type 23 Batch 3 Frigate
M 836 Quay Straights	P 840 USS Winston Churchill DDG 81	P 730 Type 23 Frigate
M 837 Crane Units	P 850 USS Boone FFG 28	P 745 Type 42 Batch 2 Destroyer
M 838 Storage Tanks	S 860 USN Minesweeper Set	P 750 Type 42 Batch 3 Destroyer
M 839 Sheds	S 890 USN Submarine Set	S 760 RN Minesweeper Set
M 840 Warehouses		S 770 RN Submarine Set
	Merchant Ships	
	P 610 Cargo Ship	
	P 622 Container Ship	

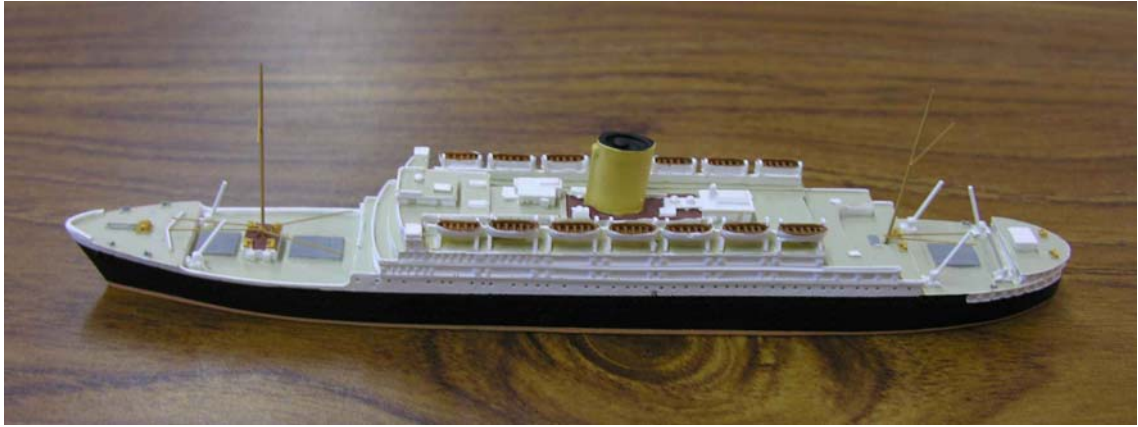
S 890 USN Submarines

WASS-LINE

These are fully painted resin models with as far as is known just two releases to date – Cressida (Kirsten Line) and Romanby (Ropner Shipping, 1928).

WMS (WIRRAL MINIATURE SHIPS)

In addition to selling assembled and painted Len Jordan models at one time under the trade name 'Britannic', WMS are now releasing their own resin models for example the Mersey steam barge Anderton, freighter Cuddington (1948), chemical tanker Saint Kearan (1978) & Malvern Prince (1970). WMS also have the Portside Accessories series of harbour buildings. Address is in Annex A. In mid-2005 started re-issuing the Degen/Hein Muck range which is described elsewhere.



WMS HM/Degen Andes

CHAPTER 3 CONTINENTAL MANUFACTURERS

For convenience this chapter has been subdivided into three sections dealing respectively with the major volume producers, the smaller yet still important sources, and finally 'others'. This latter category includes manufacturers whose output is minute, or of whom very little is known and availability correspondingly poor, with just a few words for each. Recent issues of the Hamburger Rundbrief have included a host of new, probably one man, manufacturers whose models are very unlikely to be seen outside Germany; however all those who produce British ships (as far as is known) are mentioned below.

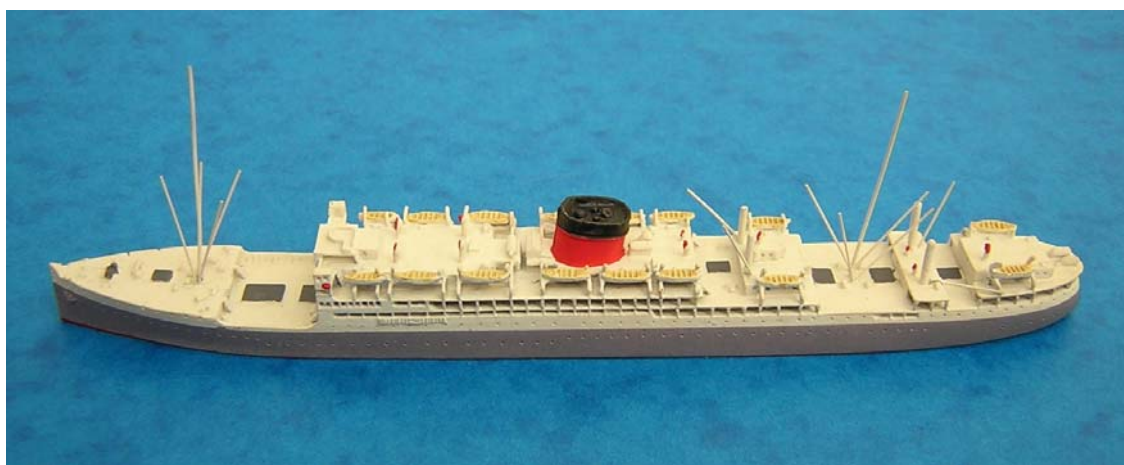
MAJOR MANUFACTURERS

ALBATROS

Albatros are perhaps the premier manufacturer for UK collectors with extensive ranges of British merchantmen from the period 1890 to 1970, and modern Royal Navy warships & auxiliaries. The quality of production is uniformly high as is the painting, the only drawback being that the warships are invariably a single shade of grey on both vertical and horizontal surfaces. Over 100 merchant ships have been produced over the years with many unfortunately discontinued. It is sometimes possible to find these models at swapmeets, although not too many collectors are prepared to part with them. For warships the outlook is considerably better which is most fortunate because in addition to a substantial number of Bundesmarine vessels and several Dutch ships, Albatros produce arguably what has become the definitive range of modern RN warships. Albatros have one American merchantman currently available – liner Exeter, dating from 1931 (catalogue number AL 165); others previously available are:

Tivives	1911	AL 20	Alva	1931	AL 100
Chiriqui	1932	AL 51a	Ohio	1940	AL 102
Santa Paula	1958	AL 75	Savarona	1931	AL 122
Orion	1929	AL 87	Lurline	1932	AL 158
Alexander	1985	AL 97a	Ohio	1942 (armed)	ALK 112

Annex B includes complete lists (to date) of British merchantmen, RN ships, British merchantmen in civilian guise and as called up for military service. The web site is www.albatros-miniaturen.de.



Albatros Winchester Castle



Albatros HMS Invincible (Sea Dart removed)

ARGONAUT

Argonaut are warship manufacturers in the Navis/Neptun mould, specialising in the period 1930 to 1945 and providing interesting coverage of the Royal Navy, and increasingly the USN (24 models currently listed), French (15), Italian (36), Dutch (44), Swedish (22), Finnish (9) and Spanish (34) Navies. At its peak the original range totalled some 300 models and included many unusual vessels not readily available elsewhere, 'foreign' examples being USS Wisconsin (1954 appearance), French battleships Paris and Bretagne, and almost the entire pre-war Spanish Navy. Many of the original models have been deleted and the current catalogue is somewhat reduced in size; the good news is that latest releases are to a uniformly better standard; for British ships catalogue numbers prefixed 10 indicate an improved version of an earlier model; in some instances model name has also been revised, often from a class to a particular ship. Latest releases include an number of Argentine ships including the last two 'unmodelled' battleships Moreno and Rivadavia (although there was an impossibly rare Star version of the latter). The quality of the original models was inconsistent if generally good, although not to Neptun standard.

Argonaut's recent ventures include the navies of Norway (14 models), Brazil (11) and Argentina (21) covering all types from Battleships to patrol vessels. The current catalogue features just about two dozen each RN and USN ships, mostly small types.

RN Models in the Original Series

As the original models appear second-hand quite frequently it was thought worthwhile to include a summary of British models produced; in total some 200. Most have not yet benefited from re-issue and perhaps some never will.

The RN selection includes nearly two dozen capital ships, some 40 cruisers and a substantial number of destroyers, frigates and auxiliaries. Many of the latter are unique to Argonaut and are unlikely to be even considered for production by other manufacturers. The older battleships have been given priority with 11 different models of the Queen Elizabeth, Royal Sovereign and Nelson classes. Among the Qes were the Warspite in 1934 just prior to her final reconstruction and again in 1938 following that reconstruction. Of the Rs, Revenge and Resolution are unique to the range, as are, in terms of availability, the battlecruiser Renown (Hood and Repulse are available from both Argonaut & Neptun although in the latter case the two models differ in detail). Two other particularly interesting ex-battleships are the target ship Centurion and the gunnery training ship Iron Duke. An area neglected by most manufacturers is fleet carriers but Argonaut more than make amends with the following: Hermes, Eagle, Furious, Glorious, Courageous, Ark Royal, Illustrious, Formidable and Indomitable plus the support carrier Unicorn. All but the last three have been released and the missing ship in the sequence, HMS Argus, is available from Navis. The cruiser fleet includes the Hawkins class, seven different Counties, including HMS London following modernisation and at least one representative of every class from the Cs of 1916 to the Fijis and Didos built during WW2, including the two old Australian ships Brisbane and Adelaide. Only omission is the Swiftsure class and for the time being it is necessary to search for the Triang Minic version. Of smaller warships there are some 40 destroyers, 20 submarines, the latter including such 1920s/30s types as X1 and the O, P, R, Thames and Porpoise classes. Depot and repair ships are a speciality of Argonaut with such ships as Medway, Maidstone and Vindictive.

RN Models in the Current Series

Approximately 75 RN models are currently listed including battleship HMS Rodney, battlecruisers Renown, Repulse & Hood (latter as in 1938 & 1940), aircraft carriers Formidable, Unicorn, Furious, Glorious & Courageous, cruisers Berwick, Dorsetshire, Fiji, Gambia, Ceylon, Aurora, Arethusa, Galatea & Penelope, monitor Erebus, nearly 40 destroyers & frigates, 10 submarines, a couple of tugs and three minesweepers. Recent releases are HMS London, 1942 (A 1114) and HMS Swiftsure, 1944 (A 1230), the latter in the past only ever having been produced by Triang.

USN Models in the Current Series

Twenty six models are currently available, mainly patrol vessels, minesweepers and some destroyers.



Argonaut USS Mississippi

ARGOS

To date nearly 70 ship models have been released out of a total catalogue listing of about 120, running from AS 1 to AS 80 (with lots of 'a's and 'b's). Most of these are USN vessels of which 40% have been released to date. To accompany the USN ships there is a series of accessories (the Z series) – aircraft, helicopters, helo rotor blades, amphibious vehicles (58 in total listed, with a third released) plus for other Navies an AB 212 ASW helicopter (to go aboard the Turkish MEKO frigate Salih Reis); this particular model (catalogue AS-Z 40) is available and is supplied fully painted, several to a box (3 in this instance), as are all of the Z series. Shown for future release are Z 42a a Sea King CH-124 in Canadian colours and Z 42 which is a box of 3 RN Seakings, 2 HAS Mk 5 and an AEW Mk 2; one can only wonder what ships Argos has in mind with the latter although they would look good on any of the CVSs from Albatros. The S series (models 01-S to 12-S) are small warships from the period 1796 – 1865 with all but three released; examples are the French privateer Le Fortune (1805) and the Prussian schooner Frauenlob (1856). The P series are based on models cast for the shipyards in Germany and comprise only two: 01-P a 1997 MEKO A-200 frigate and 02-P the 1998 Frigate 124 design for the German Navy; however beware of the latter because the scale is 1/1000. Other models in the main AS series include German warships, auxiliaries and merchantmen of all eras, plus various modern frigates such as the MEKOs operated by Australia, Portugal and Turkey (all of which are available) plus some earlier Belgian & Portuguese types. British vessels comprise The Piercer (AS 9a, 1805 brig), HMS Campbeltown (AS 38), Fairmile B (AS 38a, 2 boats), MTB 74 & MGB 314 (AS 38b), Empire Mordred (AS 39, Empire 'B' freighter, 1942), Orari (AS 40, reefer, NZ Shipping Company, 1931) and Salween (AS 41, passenger ship, British & Burmese Steam Navigation Co., 1938). Of the British models, Ass 9a, 38, 38a and 38b have been released, with the latter three all depicting the vessels concerned at the time of the raid on St Nazaire in 1942. There is also a small Russian series offering the submarine Kursk and frigates of the Krivak I and II classes.



Argos USS Arthur W Radford

Two ship models have been discontinued and depending on your interests may have become instant collectors items – catalogue number AS 2 Wielingen (Belgian frigate as in 1978) and AS 21b KT-14 (1944 German transport); fortunately AS 2a Wandelaar shows the class as in 1991 and AS 21 & 21a are still available so all is not lost! The various USN models are listed in two tables, one for those already released and another for those yet to come. As can be seen Argos are very keen on detail and often cover the variations found within a particular class from when first in-service through different modifications over the years. Model AS 1999, the USS Arthur W Radford was a special release to commemorate Argos' first decade; it was a limited production run in 1999 only, so if you've not got one already it may be too late! The web site is www.uss-argos.com.

CM

CM breaks down into three main groups known as 'CM', 'CM KR' and 'CM Poseidon'. The first of these concentrates almost exclusively on pre-war German merchantmen, with about 300 models produced to date. The KR group is much more adventurous and of greater interest to UK collectors as illustrated by the following table (models in italics are not yet released). Some great releases from CM-P are the three Cunarders as troop ships circa 1945 (as in the table) and modern warships Admiral Kuznetsov (Russian aircraft carrier), USS Theodore Roosevelt (P-1017), USS Tarawa (P-1000), USS Wasp (P-1002), USS Guadalcanal (P-1005), USS Guam (P-1004), USS Enterprise (P-1016), USS Abraham Lincoln (P-1018) and USS Forrestal (P 1010). Also produced is a model of Blohm & Voss floating drydock number 11 as used during a refit of the QEII (CM Z11) and a lower hull section for the liner. The latter is designed for the CM-KR model of the QEII and is about 4mm too short for the Skytrex/Mercator version (catalogue no. M921), although when together in the dock this is not too obvious. Hansa's version of the QEII has a waterline length some 3mm less than M921 and this total difference of 7mm makes it impossible to use KR61A with the Hansa model.



CM KR Queen Mary II

There are also Italian, American and even soviet passenger ships, and all the models are to a high standard. American merchant vessels comprise George Washington (as in 1930), CM 60a, Manhattan (1932), CM 220, Republic (1924) CM 221, United States (1952), CM KR 71 & American Challenger (1962), CM KR 74. CM Poseidon embraces a number of unusual warships from the 1930s, the majority belonging to the Royal Thai Navy, and also a variety of sailing ships from the Cutty Sark to the Sir Winston Churchill; also listed are the Japanese liner Hikawa Maru, in two guises, and a couple of pre-war German tankers. CM 94 GM is a special model produce on behalf of the Galerie Maritim shop in Hamburg. CM also produce under licence a number of 'G' models including 7 British liners from the period 1899 to 1931; full details can be found in the entry for 'G'.



CM KR Transvaal Castle

KR50	Edinburgh Castle	1947	Union Castle	CM143	Californian	1902	
KR51	Pendennis Castle	1957	Union Castle	CM144	Olympic	1913	White Star
KR52	Windsor Castle	1960	Union Castle	CM145	Oceanic	1899	White Star
KR53	Transvaal Castle	1961	Union Castle	CM147	Georgic	1931	White Star
KR54	Southampton Castle	1965	Union Castle	CM148	Titanic	1912	White Star
KR55	Reina del Mar	1955	Pacific Steam Nav Co.	CM149	Homeric	1922	White Star
KR56	Bloemfontein Castle	1950	Union Castle	CM150	Majestic	1922	White Star
KR57	Rhodesia Castle	1951	Union Castle	CM151	Berengaria	1922	Cunard
KR58	City of Port Elizabeth	1952	Ellerman	CM152	Mauretania	1939	Cunard
KR59	Centaur	1963	Blue Funnel	CM152a	Mauretania	1962	cruising colours
KR60	Caronia	1948	Cunard	CM153	Queen Elizabeth	1946	Cunard
KR61	Queen Elizabeth II	1987	Cunard	CM154	Queen Mary	1939	Cunard
KR61a	lower hull for 61	1990	for use in dry dock	CM155	Carpathia	1902	Cunard
KR61b	Queen Elizabeth II	1994	(blue hull)	CM156	Aquitania	1914	Cunard
KR62	Orsova	1954	P&O, Orient	CM156a	Aquitania	1915	Transport
KR63	Ocean Monarch	1951	Furness Withy & Co.	CM156b	Aquitania	1916	Hospital ship
KR64	Southern Cross	1954	Shaw Savill & Albion	CM156c	Aquitania	1948	Transport
KR65	Northern Star	1961	Shaw Savill	CM209	Southwold Belle	1900	
KR66	Orcades	1948	Orient	CM210	City of Dunedin	1919	Ellerman
KR67	Canberra	1961	P & O	CM211	City of Christchurch	1929	Ellerman
KR68	Star Princess	1990	P & O	CM212	City of Boston	1922	Ellerman
KR69	Royal Princess	1999		CM-P30	Queen Mary	1945	troop ship
KR89a	Dawn Princess	1988		CM-P31	Queen Elizabeth	1945	troop ship
KR323	Queen Mary II	2004	Cunard	CM-P32	Mauretania	1945	troop ship
				CM 94 GM	Cap Polonio	1919	Union Castle



CM P Kuznetsov

DELPHIN

One of the cheaper ranges, no longer in production although some of the models were re-released by Hansa some years ago. 162 ships and 9 aircraft were actually produced by Delphin before production finally ceased, the ships primarily warships from World War 2, the 1950s and 1960s. Although not in the class of most of the other makes, certain original Delphins have become quite collectable, simply because many of the ships covered are not readily available from other sources. Examples of this are USS United States (projected CB 1920) and Gascogne (French BB 1940 uncompleted). Delphin were unique in their coverage of post-war warships and auxiliaries so the first table lists models in this category, with the exception of the German Federal Navy (Bundesmarine) which is best left to Albatros, and British & Commonwealth ships which are included the second table. Apart from D63, D74 and D89, the latter are to a reasonable standard.



Delphin HMCS Algonquin

D2	USS Worden	1961 missile destroyer	D114	Y class	soviet nuclear powered sub
D3	Kynda	1961 soviet missile cruiser	D116	Kresta II	soviet missile cruiser
D4	G. Washington	1959 nuclear powered sub	D117	Nikolaev	soviet Kara class cruiser
D11	Osa class	soviet missile boat	D118	Grisha	soviet patrol boat
D12	G class	soviet submarine	D120	Krivak I	soviet missile frigate
/1	G class	sub, launching missile	D122-0	USS Newport	landing ship
D19	Hajen	Swedish sub	D122	USS Newport	with pontoons
D20	Ostergotland	Swedish destroyer	D123	Boris Chilikin	soviet replenishment ship
D24	Andrea Doria	Italian missile cruiser	D125	USS Spruance	missile destroyer
D25	Kashin I class	soviet missile destroyer	D126	Nanuchka	soviet missile corvette
D26	USS Bainbridge	missile cruiser	D127	Tourville	French missile frigate
D32	Amatsukaze	JMSDF destroyer	D128	Juri Gagarin	soviet space tracking ship
D37	Uda class	soviet supply ship	D132	Ugra	soviet repair ship
D38	Bellona	Danish frigate	D136	Tromp	Dutch missile frigate
D45	Don class	soviet sub depot ship	D138	USS Belknap	missile cruiser
D48	Poti class	soviet escort	D139	Circe	French minesweeper
D52	Suffren	French missile frigate	D140	USS California	missile cruiser
D55	Kresta I class	soviet missile cruiser	D141	Kashin II	soviet missile destroyer
D58	Hai class	east German sub chaser	D142	Kiev	soviet aircraft carrier
D64	Moskva	soviet helicopter carrier	D143	D'Orves	French missile corvette
D69	W class	soviet missile submarine	D144	Ropucha	soviet landing ship
D73	De Grasse	1955 French light cruiser	D148	Chikugo class	JMSDF frigate
D76	USS Dealey	1958 frigate	D149	O H Perry	USN frigate
D94	Minegumo class	JMSDF destroyer	D150	D class	soviet nuclear powered sub
D96	Takatsuki class	JMSDF destroyer	D153	Lupo class	Italian missile frigate

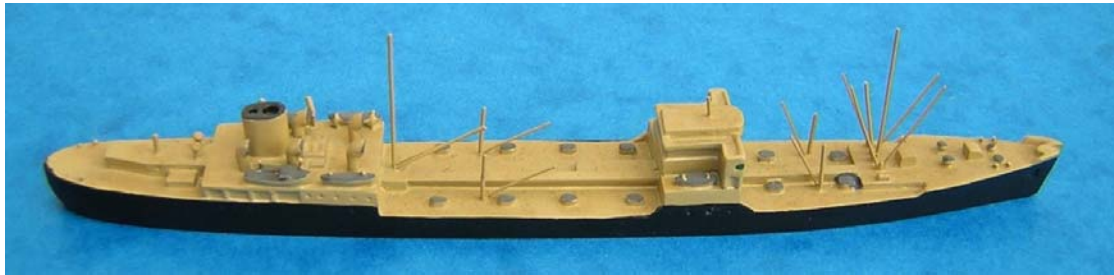
D97	Oland	Swedish destroyer	D154	Dnjepr II class	soviet repair ship
D99	Yamagumo class	JMSDF destroyer	D155	Jean Bart	1958 French battleship
D112	Kanin	soviet missile destroyer	D157	Aysberg	soviet icebreaker
D113	Zdanov	soviet command cruiser	D158	Wodnik	Polish training ship

D15	HMS Ashanti	Tribal class frigate	D89	HMS Delhi	1943 light cruiser (post US refit)
D43	HMS Milne	1941 destroyer	D110	HMS Vanguard	last RN battleship
D63	HMS Leander	1933 light cruiser	D115	HMS Hermes	1924 aircraft carrier
D67	HMS Nelson	1944 battleship	D121	HMS Amazon	Type 21 frigate
D74	HMAS Sydney	1934 light cruiser	D129	HMS Sheffield	Type 42 destroyer
D83	HMS Undine	1960 frigate	D134	RFA Sir Percival	LSL
			D135	HMCS Algonquin	missile destroyer

Delphin British & Commonwealth Ship Models

“G” (THE MODELS OF GEORG GRZYBOWSKI)

A range of good quality merchantmen including many British ships; originally produced in limited quantities but currently being reissued under licence by CM (as CM-G) and Rhenania (as RH Liz). Referring to the table, Shieldhall is a former Glasgow Corporation sludge carrier now preserved at Southampton and a popular, if somewhat compact, venue for ship swapmeets. Apart from the Loyalty which is depicted as a hospital ship, the other 1915/15 period models are troop transports; the second version of Balmoral Castle shows her as a temporary Royal Yacht when, sailing under the White Ensign, she took members of the Royal Family to the opening of the South African parliament in late 1910. A list of known original models of British ships, with the catalogue numbers of re-issues to date, follows.



G Altmarck

LINERS				G151	Berengaria	1921	Cunard
G145	Oceanic	1889	White Star		Arawa	1922	Aus. C'wealth Line
Liz 15	Teutonic	1890	White Star		Laconia	1922	Cunard
Liz 8	Empress of India	1891	Canadian Pacific	G149	Homeric	1922	White Star
Liz 8a	Empress of Japan	1892	Canadian Pacific	Liz 14a	Adriatic	1923	White Star
Liz 10a	Norman	1894	Union Line	G150	Majestic	1923	White Star
Liz 2	Majestic	1902	White Star		Rawalpindi	1925	P & O
Liz 5	Miltiades	1903	Aberdeen & C'wealth		Duchess of Bedford	1928	Canadian Pacific
Liz 13	Carpathia	1903	Cunard		Warwick Castle	1930	Union Castle
Liz 10	Norman	1904	Union Castle	G146	Georgic	1931	White Star
Liz 16	Carmania	1905		G147	Britannic	1931	White Star
Liz 14	Adriatic	1907	White Star		Empress of Britain	1931	Canadian Pacific
Liz 11	Balmoral Castle	1910	Union Castle		Orion	1935	Orient Line
Liz 11a	Balmoral Castle	1910	as royal yacht		Warwick Castle	1938	Union Castle
	Miltiades	1912	Aberdeen & C'wealth		Circassia	1938	Anchor Line
G148	Titanic	1912	White Star		FERRY		
	Ceramic	1913	White Star	GLR18	Isle of Jersey	1930	18,18a,18b
Liz 10b	Norman	1914	as a troop ship		FREIGHTERS		
Liz 11b	Balmoral Castle	1914	as a troop ship	Liz 9	Ulysses	1913	Holt Line (Blue Star)
Liz 8b	Loyalty	1914	hospital ship		Speybank	1926	Bank Line
Liz 16	Carmania	1905	Cunard		Shropshire	1926	Bibby
GLR16b	HMS Carmania	1914	as AMC		Romanby	1927	Ropner
Liz 16c	Caronia	1914	AMC		Port Chalmers	1933	Port Line
Liz 13a	Carpathia	1915	as a troop ship		Rochester Castle	1937	Union Castle
GLR19a	Franconia	1915	as a troop ship		Clan Forbes	1938	Clan Line
Liz 16a	Caronia	1916	as a troop ship		Glenroy	1938	Glen Line
GLR14a	Adriatic	1917	In grey		Adelaide Star	1940	Blue Star Line
	Jervis Bay	1921	C'wealth G'ment Line	Liz 7	Shieldhall	1955	Glasgow Corporation

HAI

The HAI range of some 400 warship models, although not to the quality of the best continental makes, does contain a host of unusual and interesting ships. In addition to fleet units there are plenty of auxiliary types dating from the turn of the century to the present day. Again many models are quite unique to the range and it is difficult to select just a few for special mention. Let's highlight the aircraft carrier USS Franklin D Roosevelt, RN ironclads Inflexible and Collingwood and USN auxiliaries AB1, ex-USS Kearsage, and Utah. Hai also provide extensive coverage of pre-dreadnought era torpedo boats and, to a lesser extent, cruisers of the RN, French, Italian, and American navies, ideal escorts for Skytrex/Mercator or Navis pre-dreadnought battleships (see Navis review later). Also offered is a unique selection of modern Chinese, Japanese and Italian warships and auxiliaries, which again illustrate the amazing scope of the range. All listed models of British and American ships, with catalogue numbers, are given in the following two tables.

22	Roberts	1915	60	Violet	1898	382	Minotaur	1870
23	Marshall Soult	1915	61	D class destroyer	1900	384	Captain	1871
24	M 21	1915	62	Express	1902	397	Audacious	1870
24a	M 18	1915	63	E class destroyer	1905	423	Vulcan	1890
25	M 29	1915	64	Mohawk	1908	427a	Superb	1880
34	P class	1916	99	Albatross	1897	428	Thetis	1892
35	Flower class	1915	165	Inflexible	1882	433	Vindictive	1918
36	Kil class	1917	167	Collingwood	1888	444	Arrogant	1898
38	Coreopsis	1917	170	Victoria	1890	451	Cyclops	1877
39	PC class	1916	202	Itchen	1904	454	Medea	1889
42	Glatton	1872	297	Nairana	1944	456	Dreadnought	1880
43	Devastation	1876	300	Implacable	1945	505	Benbow	1888
43a	in white/buff		309	Gorgon	1914	508	Alarm	1894
44	Wodan	1877	314	Empire McAlpine	1942	514	Speedy	1918
45	TB 80	1887	318	Unicorn	1943	527	Hotspur	1871
50	LCF 4	1942	322	Apollo	1915	546	Eclipse	1868
51	LCT 4	1942	350	Pretoria Castle	1942	547	Warspite	1888
52	Havock	1892	361	Pegasus	1914	548	Galatea	1894
53	A class destroyer	1896	362	Activity	1941			
59	B class destroyer	1897	381	Hector	1870			

54	Bainbridge	1902	409	Charleston	1889	461	Scorpion	1896
58	Vesuvius	1890	415	New York	1893	484	Atlanta	1886
65	Farragut	1899	424	Petrel	1889	485	Concord, PG1	1891
66	Truxton	1902	425	Castine	1894	501	Comet	1958
67	Lawrence	1903	426	San Francisco	1890	510	Baltimore, C3	1890
68	Stringham	1905	429	Helena	1897	512	Albany	1900
104	Mars	1909	430	Chicago	1889	513	Baltimore	1918
117	Patoka	1919	434	Newark	1891	528	Amphitrite, BM2	1895
177	FD Roosevelt	1945	435	Dolphin	1899	528a	Monadnock, BM3	1905
178	Sable	1943	436	Annapolis	1897	529	Arkansas, BM7	1902
179	Wolverine	1943	437	Wheeling	1897	530	Foote, TB3	1899
187	Utah	1941	445	Rowan	1898	535	Utah, AG16	1936
198	AB 1	1940	446	Nashville	1897	542	Monrovia	1944
205	Argonne	1921	447a	Don Juan de Austria	1900	543	Midway, CVA 41	1970
228	Meteor	1975	448a	Isla de Luzon	1900	550	Miantonomoh	1891
229	Adm W Callaghan	1968	449	Dover	1944	XX-FA	Fort Amsterdam	1943
310	Puritan	1896	450	Dubuque	1905			
315	Holland	1926	460	Gloucester	1891			



Hai Shirane (JMSDF)

HANSA

Hansa were perhaps one of the first German makes to become widely available in the UK, although the original models are now, in Germany at least, somewhat out of favour when compared to the more sophisticated makes. The original catalogue listed in excess of 400 ships, although many of the intermediate models have been out of production for some time. Hansa recently embarked on an upgrade programme with selected ships being re-issued and new models produced, all to an improved standard. Some 40 of these new models (with five digit catalogue numbers), are available at the time of writing.

Surveying the original catalogue, Hansa warships included most of the Kriegsmarine and Bundesmarine, a few US cruisers of WW2, and from the post war era the RNs Tiger, Blake (as converted) and Fearless, USSs Long Beach (3 versions) Canberra and Leahy. Other NATO and soviet escorts from the 1950s could also be found, and uniquely to Hansa the French strike carrier Clemenceau. The best elements of the range, however, were a huge variety of modern merchant ships, of all nations, including freighters, RO-RO, LASH, container ships, reefers, super tankers, ferries and even some massively impressive ocean-going crane ships. There was also had a good selection of harbour accessories and WW2/modern aircraft to line the decks of carriers. A full list of British ships is below, although S199 HMS Hood was never produced; also S276 was originally listed as Mauretania (1) although ultimately the later vessel, of the same name, was issued. S171 is the former Empress of Japan, renamed in 1942. The only British ship produced under the scheme, but currently unavailable, is S10426.

S32	Battle class	destroyer	S213	Free Enterprise II	1966 ferry
S57	Pallium	1959 tanker	S214	Hovercraft	1969
S61	HMS Albacore	minesweeper	S215	HMS Blake	1970 helo cruiser
S64	HMS Whitby	frigate	S227	HMS Fearless	1969 assault ship
S75	HMS Tiger	1960 cruiser	S251	HMS Amazon	1974 frigate
S81	Liberty ship	in civilian colours	S260	Benledi	1965 freighter
S81/I	Liberty ship	in wartime grey	S265	Ham class	inshore minesweeper
S94	HMS Artful	A class submarine, mod.	S268	Strathbrora	1967 freighter
S102	HMS London	County class destroyer	S268/I	Strathardle	1967 freighter
S171	Empress of Scotland	1942 liner	S276	Mauretania (II)	1939 liner
S186	ACT 1	1963 containership	S321	Starman Africa	1977 heavy lift ship
S198	Esso Scotia	1969 tanker	S334	St. Columba	1977 Sealink ferry
S199	HMS Hood	(not produced)	S364	Emadala	1978 Ro-Ro
S200	Queen Elizabeth II	1969 liner	S10426	Tor Bay	1993 containership
S200/I	QE II	1982 troop transport			
S200/2	QE II	1983 liner			

American ships modelled were:

S73	USS Talladega	WW2 attack transport	S165	Fletcher class	1943
S81	Liberty ship	civilian colours	S166	Fletcher class	with aircraft
S81/I	Liberty ship	wartime grey	S167	Sumner class	destroyer 1944
S88	USS Ashland	WW2 dock landing ship	S168	Sumner class	after FRAM, 1963
S90	USS Worcester	1948 light cruiser	S169	Sumner class	destroyer-minelayer, 1944
S101	Long Lines	1963 cablelayer	S174	USS Monterey	1943 aircraft carrier
S109	USS Agile	1962 minesweeper	S190	USS Wasp	1959 CV (angle-deck)
S113	USS Coontz	missile destroyer	S191/I	USS Hornet	1959 CV (angle-deck)
S132	USS Boise	WW2 cruiser	S216	USS Long Beach	missile cruiser, 1975
S133	USS Sanannah	WW2 cruiser	S231	USS Arlington	1966 command ship
S134	USS St Louis	WW2 cruiser	S231/2	USS Wright	1945 aircraft carrier
S135	USS Columbia	WW2 cruiser	S231/I	USS Wright	1966 command ship
S136	USS Miami	WW2 cruiser	S388	Long Beach	1983 cruiser
S137	USS Fargo	1946 cruiser	S390	Margaret Lykes	1963 containership
S138	USS Galveston	guided missile cruiser, 1960	S394	Stark	1982 frigate
S139	USS Wichita	WW2 heavy cruiser		Delphin re-issues:	(* new model)
S140	USS Independence	WW2 light fleet carrier	S405	Alabama	1942 battleship
S140/2	USS Bataan	1943 carrier	S406	Lexington	1939 aircraft carrier
S161	USS Topeka	) guided missile	S407	Saratoga	1942 aircraft carrier
S162	USS Little Rock	) cruiser conversions	S411	Langley*	1922 aircraft carrier
S163	USS Providence	) (none released)	S411/I	Langley	1937 seaplane carrier
S164	Fletcher class	destroyer 1942	S412	Ranger	1934 aircraft carrier



Hansa Benlady

NAVIS/NEPTUN (AND COPY)

Navis/Neptun are renowned for their high quality warship models, with Navis addressing ships built in the period 1890 to about 1919 (and for the Reichmarine 1920 – 35), and Neptun following on as far as 1945. Neptun are in fact considerably more detailed than Navis, although this latter part of the range is being slowly re-worked and reissued to Neptun standard. Early versions of some of the Navis models are also still around and the larger ships at least can be identified by their plastic turrets and also by the rather basic ships boats which were often moulded using Eaglewall boats as the masters. Some models can also be found made entirely of plastic. Similarly many of the Neptun models have been re-issued to an improved standard, the older versions often materialising on the second hand market.

From Navis then some 350 models are listed giving comprehensive coverage of the German, British, Japanese, American, Russian and Austro-Hungarian Navies of the pre-dreadnought and dreadnought eras, with a good selection of French & Italian and even a few Brazilian and a single Swedish vessel. With the exception of the Japanese battleship Nagato, which was not completed until 1920, every single dreadnought battleship and battlecruiser class is represented, plus a huge number of other types: pre-dreadnought battleships, armoured cruisers, cruisers, destroyers, submarines and more. It is probably true to say that virtually every important class of World War 1 warship can be found.

For the re-issue programme, priority has been given to German ships although other there are now more a dozen British warships. All re-issues use the original catalogue number suffixed with an 'N'. Some models have also been produced in Victorian or Tropical livery, no doubt in response to Skytrex's 'Mercator' pre-dreadnoughts. Navis also feature about 20 merchantmen from the period 1890 to 1935; several of these are British and are listed below; those in italics are thought to have not yet been released.

NM900	Royal George	1910	Canadian Northern	NM904	Tairea	1924	British India
NM901	Isle of Jersey	1930		NM909	Miltiades	1903	Aberdeen & Commonwealth
NM902	Campania	1893	Cunard	NM910	Gloucester Castle	1911	Union Castle
Navis 7	Lord Salisbury	1911	Yorkshire Steam Fishing Co.				

NAVIS WARSHIPS

Austro-Hungarian Navy

Twenty two models are listed for the Austro-Hungarian Navy, with all but 6 released. Those available comprise 6 pre-dreadnought & dreadnought battleships, 2 armoured cruisers, 3 cruisers, 2 destroyers, 2 torpedo boats and 1 U-boat. Typically for Navis most of the battleships are from different classes, namely Wien (1895), Habsburg (1902), Erzherzog Karl (1906), Radetzky (1911), to the first and only dreadnought class Tegetthoff (1912). For the latter, the fourth ship was completed somewhat later and with a slightly different appearance so two models are available – Viribus Unitis (1912), representing the first 3 ships & Szent Istvan (1916).

Brazilian Navy

Just 2 Brazilian ships have been issued by Navis, namely battleship Sao Paulo (NM801) and cruiser Bahia (NM802) (both vessels completed 1910). Models of related interest, although long discontinued, are Sao Paulo's sister-ship Minas Gerais post modernisation circa 1938 (Star model catalogue no. R 75), HL's Brasil (coast defence ship 1865) and the 1937 submarine Tupy (Star R 41). It would seem that no other models of Brazilian ships have been produced.

Royal Navy

Navis' coverage of the Royal Navy is substantial with nearly 90 ships listed, only 3 of which have yet to be released. Most main classes are represented and the table summarises what has been listed and what has been issued. Of course some collectors are never satisfied and more than welcome from Navis would be the battlecruiser HMS Queen Mary which had a circular centre funnel (rather than oval as in sister-ships Lion and Princess Royal), HMS Furious as first converted to an aircraft carrier in 1918 and perhaps some of the larger protected cruisers such as HMSs Diadem and Challenger.

French Navy

Nineteen French ships are listed although only 8 have been released. These include the main battleship classes – Patrie, Verite, Voltaire, Paris and Lorraine, the armoured cruiser Jules Ferry and 2 destroyers, one of which is an improved version – Intrepide (NM461N).

Italian Navy

Twelve out of thirteen ships listed here have been released, namely 5 pre-dreadnought & dreadnought battleship classes, 3 armoured cruisers, 3 cruisers and 1 destroyer, with 1 destroyer still to come. The battleship models illustrate the evolution of the type in the Italian Navy from Benedetto Brin (1905), via Regina Elena, Dante Alighieri, Giulio Cesare to Andrea Doria (1916).



Navis HMS Lion

Imperial Japanese Navy

The IJN catalogue has 37 models with 27 released comprising: pre-dreadnoughts – Fuji & Hatsuse classes plus Asahi, semi-dreadnoughts – Aki & Settsu, dreadnoughts – Ise & Fuso classes, battlecruisers – Kongo & Ibuki classes, armoured cruisers – 6, cruisers – 6 and destroyers – 6. The IJN list is the only case where a battleship actually completed (as opposed to projected or scrapped prior to completion) has been listed by Navis but not issued – the culprit is IJNS Nagato, although the ship has been modelled in her WW2 appearance by Neptun, Konishi and Superior (1/1200).

Type	Models	Classes	Notes
Pre-dreadnoughts	10	5	from Majestic (1897) to Lord Nelson (1908), 2 in Victorian livery, 1 in Far East colour scheme
Dreadnought battleships	13	13	all classes from HMS Dreadnought (1906) to Royal Sovereign class (1916)
Battlecruisers	6	6	all classes from Invincible (1908) to HMS Hood (1920)
Light Battlecruisers	2	2	HMS Glorious and Furious (1917 appearance)
Armoured Cruisers	7	7	all classes from Cressy (1902) to Defence (1908)
Protected Cruisers	2	2	Pegasus (1899) & Topaze (1904); (9 other classes not listed)
Scout Cruisers	2	2	Patrol (1905) & Amphion (1912); (4 other classes not listed)
Cruisers (Townes)	5*	5	all 4 classes from Bristol (1910) to Birmingham (1914); * improved Birmingham class HMS Chester (1916) unreleased
Light Cruisers	5	5	from Arethusa class (1914) to Cardiff class (1917) (Centaur (1916) and later Carlisle, Danae and Delhi classes omitted)
Destroyers	14	10	various classes from C class (1896) to Scott (1918), with following omissions – D, E, H, L, mod R, S and Talisman classes
Submarines	9	9	all main classes from D (1910) to R (1918); no Nautilus or V class
Monitors	5	n/a	HMSs Terror, Glatton, Humber, M29 & Sir John Moore
Aviation Vessels	4	n/a	HMSs Argus, Ark Royal, Engadine & Campania
Others	5*	n/a	Hunt, Ascot & P class plus * 2 unreleased (Arabis & Celerol)

Navis – models of RN Ships

Imperial German Navy (& Reichmarine)

Unsurprisingly the Navis catalogue for their own country is the largest with over 100 models (all but 3 released) representing some 80 ships from the battleship Bayern (NM1N) to the minelayer Nautilus (NM90), plus 11 (4 released) from the period 1920 – 1935. For battlecruiser enthusiasts there are even models representing the uncompleted Mackensen class and the class referred to as ersatz Yorck; the latter is the un-named class, the first vessel of which was intended to replace (ersatz = replacement) the armoured cruiser Yorck on the navy's strength. The table summarises what is listed and what has been issued.

Type	Models	Classes	Notes
Pre-dreadnoughts	7	6	from Worth (1893) to Deutschland (1906)
Armoured Coastal Defence	3*	3	* 1 unreleased, available – Hagen, Beowolf.
Dreadnought battleships	7	5	all classes from Westfalen (1909) to Baden (1917)
Battlecruisers	10	6	every vessel from SMS Von der Tann (1911) to Hindenburg (1917), plus uncompleted Mackensen and ersatz (replacement) Yorck classes
Armoured Cruisers	10	8	from Kaiserin Augusta (1892) to Blucher (1913) with Scharnhorst available both in grey and tropical livery
Cruisers	27*	20	from Hela (1896) to Dresden (II) (1918); * 1 unreleased; 4 available in grey and tropical livery.
Sea-going Torpedo Boats	14	10	from V162 (1909) to S113 (1919)
U-boats	11	10	from U9 (1910) to U139 (1918)
Armed Merchant Cruisers	2	n/a	Mowe (1915) & Wolf (1917)
Aviation vessels	3*	n/a	Stuttgart & Answald, * 1 unreleased – Roon
Others	8	n/a	supply ship Titania (3 colour schemes), imperial yacht Hohenzollern & Reichmarine (1920 – 35)
Battleships	3*		* 2 unreleased, available Hessen as in 1932
Cruisers	7*		* 4 unreleased, available Karlsruhe (1929), Berlin (1905) as in 1928 & Amazon (1901) as in 1925
Sea-going Torpedo Boat	1*		* unreleased – G7

Russian Navy

Seventeen Russian ships are listed with 10 released: 6 battleship types, the protected cruiser Rurik, and 3 destroyers. Four of the battleship models are improved versions with two of these – Borodino (NM612aN) & Slava (NM612N) – of the same class. The others are Eustafi, Imperator Pavel I, Imperatriza Maria and Gangut.

Swedish Navy

Navis produce just one Swedish ship – the 1917 coastal defence battleship Sverige (NM811). Many years ago the German firm Mercator produced models of various contemporaries of the Sverige – for example Oscar II (1907) and Fylgia (1907) – but these will nowadays be almost impossible to find.

United States Navy

Thirty nine different ships names are listed for the US although with 8 of the pre-dreadnought battleships produced in two versions – as built in a white/buff colour scheme and as refitted with cage masts in overall grey – the total is number of models 47 with all but 4 released. Total numbers available for each type are: pre-dreadnoughts – 17 (nine classes from the Maine (1890) to Mississippi (1905)), dreadnoughts – 10 (every class from South Carolina (1908) to Colorado (1921)), armoured cruisers – 4, cruisers – 3, destroyers – 8, patrol boat USS Eagle (1918) and a standard freighter type circa 1918. The complete range of USN pre-dreadnoughts and dreadnoughts as listed below is comprehensive and most of the earlier ships are available in white/buff livery or later in the careers with cage masts added and in grey. One – USS Maine (1895) has been re-issued to Neptun standard.

Maine	1895	NM	318N		Michigan	1909	NM	309
Oregon	1896	NM	317	317a (1911)	Delaware	1910	NM	308
Iowa	1897	NM	316	316a (1911)	Utah	1911	NM	307
Kentucky	1900	NM	315	315a (1911)	Wyoming	1912	NM	306
Alabama	1900	NM	314	314a (1911)	Texas	1913	NM	305
Maine	1902	NM	313	313a (1911)	Arizona	1916	NM	303
Virginia	1906	NM	312	312a (1910)	Nevada	1916	NM	304
Kansas	1907	NM	311	311a (1911)	Idaho	1918	NM	302
Idaho	1908	NM	310	310a (1911)	Tennessee	1920	NM	301
					Colorado	1923	NM	300



Navis USS Alabama

NEPTUN

Judging by their lists, Neptun plan to provide quite the most comprehensive range of models for the period 1930 – 1945, covering to varying degrees the German, British, Japanese, American, French, Italian and Soviet Navies. Frequently for cruisers and larger, the models are of actual ships rather than classes, with each model representing a ship at some particular date. With vessels built before 1940, a model will invariably depict the ship in its wartime appearance, probably as modernised; this is especially so with battleships. The Neptun catalogue lists approximately 110 German ships, 100 British, 65 Japanese, 140 American, 40 French, 40 Italian and 5 Soviet of which about 2/3 have been released. The flow of new releases is regular if slow. Neptun also produce a few US harbour accessories and apparently intend to create a complete London docklands scene, circa 1930s, of which the centre piece – Tower Bridge – has already been issued. To track Neptun and their sister range Navis try www.navis-neptun.de.

German Navy (Kriegsmarine)

Representation of Kriegsmarine warships is virtually complete, with many of the ships available either plain grey or with camouflage. All the capital ships, cruisers and destroyers are in production including the projected H class battleship, carrier Graf Zeppelin and the battlecruiser Gneisnau as she would have appeared following a planned modernisation circa 1944. Models of the various Armed Merchant Cruisers (AMC) are being issued with four available so far. There is a small number of Naval auxiliaries, for example tanker Ermland and submarine depot ship Saar; the latter must be worth a mention being the latter day version of one of the very first Eaglewalls!

British Royal Navy

With an impressive catalogue, RN coverage is remarkable, capital ship highlights being 4 of the King George V class (Anson being the omission), all 5 of the Queen Elizabeth class, the battlecruisers Hood, Repulse & Renown, plus aircraft carriers Ark Royal, Glorious, Glorious, Eagle, Hermes, Indomitable and Victorious. Five other battleships are available (Nelson, Rodney, Royal Sovereign, Royal Oak & Ramillies), as well as 7 heavy cruiser models (County class ships Suffolk, Berwick & Sussex with the latter able to represent a class of four, plus HMSs Exeter & York and the Frobisher) and 17 light cruisers (all classes but Ds) and lastly the cruiser minelayer HMS Abdiel. Fleet destroyers produced so far represent the following classes: G, H, I, Tribal, L – M, J – K – N, O – P, plus a suitable companion, the destroyer depot ship HMS Tyne. There are also a number of smaller types – for example Flower class corvettes, Algerine and Bangor classes. Some models appear to have been re-mastered – HMS King George V (catalogue N1101) being an example – the original version features the prominent degaussing cable and UP launchers on B and Y turrets, the fourth on the quarterdeck is missing. N1140 was initially listed as a Fiji class cruiser whereas the current equivalents are N1140 HMS Nigeria and N1140a HMS Uganda. The Fiji class model features twin cranes, whereas the later versions have single cranes and an improved level of detail.



Neptun HMS Prince of Wales

No less than eleven more RN carriers are listed for the future and this approach of cataloguing models perhaps years before release is interesting but also frustrating. For example does one buy the Argonaut HMS Furious or wait an undetermined period of time for the Neptun version, which ultimately may or may not appear? - especially as Argonaut have issued improved versions of their models of Furious and Courageous. This dilemma applies equally to some of the other Navies

covered by Neptun with possible substitutes mainly from the likes of Argonaut and Trident. The only planned omission for the RN from Neptun seems to be submarines with not a single boat listed; here at least Argonaut can fill the gaps although their re-issue programme has not yet featured any of the fourteen submarines originally produced.

Imperial Japanese Navy

The IJN is extremely well covered at light cruiser and smaller level; larger vessels include just 4 heavy cruiser models (representing the two ships of each of the Tone and Furutaka classes, plus Suzuya & Nachi), 7 aircraft carriers and 6 battleships, with the battleship Yamato depicted as in 1941 (catalogue N1201) and in 1944 (N1201a). The differences between these two models concern AA armament and, for the completist, it is still necessary to find the original N7 release for the ship in her 'as completed' state. I.e. with wing 6.1" turrets. The carriers include Shokaku, Hiryu, Soryu, Ryujo, Junyo, Akagi and latest newcomer Unryu, with a further seven listed for future release. The numbers given exclude various early versions of models that have been produced, examples being Yamato (catalogue N7), carrier Unryu (N20) and the heavy cruiser Mogami (N21). This latter model is currently listed as N1221 indicating that a re-release is planned; indeed the early models are long since out of production and can now only be found second-hand.

United States Navy

The USN is obviously a favourite of Neptun's with about 100 models covering all types of ship. Most principal classes are in current production, exceptions being a few of the older battleships and several escort carriers. Most recent major releases are the carriers Lexington, Saratoga and Ranger. All heavy and light cruiser classes are available, with just a couple of models – class variants – still to be issued. All destroyer classes are present and correct, with release of large auxiliaries such as Dixie and Fulton planned. Already available are USSs Dobbin (destroyer tender), Barnegat (seaplane tender), Bayfield (amphibious transport, complete with deck load of landing craft) and a pair of oilers – Pecos and Cimmaron – plus a standard Liberty type. The aircraft carrier USS Essex (N1310) and some of the more modern battleship classes seem to have been re-worked at least once – noticeable differences with the battleships are the stern mounted cranes which are solid mountings in earlier versions and the 16" gun barrels which are now hollowed at the tips – an incredible level of detail.

French, Italian and Soviet Navies

France and Italy are being given increasing coverage particularly of capital ships. It is probably just as easy just to list those available: battleships Richelieu, Provence and Lorraine, battlecruisers Strasbourg and Dunkerque, aircraft carrier Bearn with support from four heavy & four light cruisers and nine destroyer classes, plus the seaplane tender Commandant Teste. From Italy there are battleships Caio Duilio, Conte di Cavour, Roma and Littorio, aircraft carrier Aquila, escorted by three heavy & six light cruisers and five destroyer classes. Most of the Italian cruisers and destroyers are available in both plain grey or camouflaged. First Soviet releases now to hand with two Marat class battleships and two destroyers.

Aircraft Models

Neptun produce a series of aircraft models, with over 50 listed, primarily intended for use with their ships models, but also some flying boats and land based types. Very helpfully most of the carrier types are available in two versions – wings extended or folded. RN types comprise Sunderland, Walrus, Swordfish, Fulmar and Skua (last three available wings folded or extended), with Barracuda, Seafire, Firefly and Albacore listed for future release. Most of the American types used by the RN can also be found.

A final word under the Navis/Neptun heading about the firm known as Copy; these were a few WW2 warships, thought to be in effect copies of very early Neptuns. Presumably the masters were sold when the newer more detailed models were produced. Copy's version of the Italian heavy cruiser Trento was available until recently, although this particular ship is now a Neptun release. Also within the Copy series could be found the 1929 British freighter Uskvalley. Note that there is now a new (?) firm using the name Copy with various models of Russian warships circa 1900.

Checklist – RN & USN capital ships

The following table provides a checklist of RN & USN battleships and some aircraft carriers of the WW2 era. Availability from Neptun is shown by the inclusion of a catalogue number, with those in brackets not yet released. The date is that when a ship is depicted. Where no Neptun model is available, an alternative (AR = Argonaut, D = Delphin) is suggested.

RN:				USN:			
Warspite	1931	AR	122	Arkansas	Texas class	1944	N (1309)
Queen Elizabeth	1943	N	1104	Texas		1945	N 1308
Warspite	1943	N	1104b	Nevada	Nevada class		AR 208 (1307a)
Valiant	1943	N	1104a	Oklahoma		1941	N 1307
Malaya	1943	N	1105	Arizona	Pennsylvania class	1940	N 1306
Barham	1941	N	1105a	Pennsylvania			N (1306a)
Royal Sovereign	1943	N	1103a	Mississippi	New Mexico class		AR 215 (1305b)
Royal Oak	1939	N	1103	New Mexico		1945	N 1305a
Ramilles	1943	N	1103b	Idaho		1945	N 1305

Resolution	AR	47 (1103c)	California	California class	D	39
Revenge	N	1103d	Tennessee		1945 N	1304
Nelson	1927	N 1102a	Maryland	Maryland class	1945 N	1303b
Rodney	1927	N 1102	Colorado		1945 N	1303a
King George V	1940	N 1101	West Virginia		1945 N	1303
Prince of Wales	1941	N 1101b	North Carolina	Washington class	1945 N	1302
Duke of York	1941	N 1101c	Washington		1941 N	1302a
Anson	1944	N (1101a)	South Dakota	South Dakota class	1944 N	1301a
Howe	1942	N 1101d	Indiana		1943 N	1301b
Battlecruisers			Massachusetts		1944 N	1301c
Hood	1941	N 1110	Alabama		1943 N	1301
Repulse	1938	N 1106a	Iowa	Iowa class	1943 N	1300
Renown	1941	N 1106	New Jersey		1944 N	1300b
Aircraft Carriers			Missouri		1945 N	1300a
Furious	N	1117	Wisconsin		1945 N	1300c
Glorious	N	1118	Alaska	Alaska class	1945 N	1330
Courageous	N	1119	Aircraft Carriers			
Eagle	1942	N 1116	Lexington		1940 N	1316
Hermes	1938	N 1115	Saratoga		1945 N	1317
Ark Royal	1938	N 1114	Enterprise	Yorktown class	1945 N	1314a
Victorious	N	1112	Yorktown		1942 N	1314
Indomitable	N	1112a	Hornet		1942 N	1313
			Wasp	Wasp class	1942 N	1312
			Essex	Essex class	1943 N	1310
			Franklin		1945 N	1310a
			Ticonderoga		1945 N	1310b

OSTROWSKI (AKA OCEAN SERVICE MODELS)

Ostrowski are an important source of good quality merchant ship models, with unparalleled coverage of Eastern Bloc vessels, in particular those of Poland. In recent years the scope of the range has been enlarged to include German, British, Dutch and even the occasional Indian and Australian ships. The range totals 118 and the few British ships can be listed: Townsend Thoresen ferries European Enterprise and Spirit of Free Enterprise, and surprisingly the very first model with catalogue number OS1 is the 1930s vintage light ship Calshot Spit, this vessel now to be found set in concrete at Ocean Village Southampton. Another interesting model is the modern cargo ship Dunedin, one of only two Shaw Savill & Albion Line vessels currently available. This model by Ostrowski is an example of the so-called 'sondermodelle', or special model, issued from time to time by some of the continental manufacturers. Typically these models are produced to commemorate a historical event or to coincide with a collectors' meeting such as that held biennially at Kassel in Germany. Thus Dunedin was not allocated a normal catalogue number but is listed as OS SM89, indicating that the model was released at the 1989 Kassel meeting. Of related interest are the Stena Seaspread, a vessel which was chartered by the UK MOD on several occasions during the 1980s and whose sistership Stena Inspector was bought in 1984 and converted to become the RFA Diligence; Polish Ro-Ro Inowroclaw an identical sistership of United Baltic's Baltic Eagle. To dwarf the rest of the collection the huge tanker Stena King is a must. A small range of warship models are produced under the name Atlantis but these are described elsewhere. With the name change to Ocean Service Models, production and distribution was to have been handled by Sextant as part of the 'Modell-Pool' arrangement (see Note to Sextant entry below).



Ostrowski Spirit of Free Enterprise

SEXTANT

Sextant offer a number of unusual and interesting warships and merchant ships and have now passed catalogue number 200, with the emphasis in recent years on merchants. Quality is excellent, particularly for latest releases, and availability

better than most, although some of the earlier models are not in current production. Prominent in the early catalogue are Austrian and Italian warships from the 1860s to 1880s. Other fascinating and unique models are various Danish coastal defence battleships and submarines from the 1930s, and the occasional modern warship such as USSs Mitscher and Bronstein (out of production), and the accommodation ships Mercer and Bennewah, plus the French guided weapons trials ship Ile d'Oleron (a sort of French Girdleness).

Definite improvements in quality are evident from SX102 although when originally issued this particular model (a Sealink ferry) was given a red, rather than blue, hull. More recently Sextant have concentrated on modern (post 1970) merchant ships, and particular models that catch the eye are the immensely beamy tanker Nanny and Swedish RO-RO Stena Searunner, a sistership of the Elk of Falklands fame. GB and US models are listed in the following table (with the exception of Sextant's Kassel 'sonder modellen', all catalogue numbers are prefixed SX); those in italics remain unreleased.

18a	Speybank	1926	Bank Line	174	Table Bay	1972	container ship
21	Grenadier	1941	sub-chaser	179	Sea Pioneer	1984	bulker
26	Reliant	1908	steam tug	205	Oriana	1995	P&O cruise ship
70	Andania	1913	Cunard liner	212	Norsea	1987	ferry
70a	Andania	1915	as troop ship	218	Maersk Pacer	1991	OSV
73	Transylvania	1914	Cunard liner	226	Autoroute	1979	car carrier
75	Manchester Challenge	1970	Manchester Lines	227	Portgarth	1995	tug
102	St Anselm	1979	Sealink ferry	230	Jervis Bay	1992	container ship
143	British Explorer	1970	BP tanker	236	Afric Star	1975	reefer
144	British Skill	1983	BP tanker	242	Marinor	1992	tanker
145	Isomeria	1982	Shell tanker	249	BP Admiral	1990	tanker
146	Sealord Challenger	1968	Elder Dempster	263	Speybank	1995	Cargo ship
154	Norland	1982	'Falklands'	SM95	Pride of Burgundy	1993	P&O ferry
165	Doctor Lykes	1972	US LASH ship	SM97	European Seaway	1991	Ro-Ro

Note: with the demise of Modell Pool the Sextant, Ostrowski (and Atlantis) ranges are now discontinued. Fortunately elements of the Sextant range are being re-released by Optatus.



Sextant Pride of Burgundy

TRIDENT ALPHA/TRIDENT

Trident Alpha and Trident were originally a single range but for several years now are two different manufacturers – hence two separate entries in the guide. Trident Alpha models are of the higher quality and originally had catalogue numbers T1 to about T400, whereas Tridents were T500 upwards. In current listings the Alphas are numbered as Ta10001 to Ta10360, whereas 'Tridents' run from about T40 to T2100 and seem to be expanding in both directions. This may well cause some confusion because the Alphas' original numbers are often engraved underneath the models (as of 2003 both these ranges are believed discontinued).

The 'Alpha' series is renowned for its coverage of modern warships, submarines and auxiliaries, in particular American and Russian. Quality is high although because of the softer metal used, the finish is generally not as crisp as Neptun or Albatros for example. With over 120 soviet and over 150 American late war/modern ships listed, suffice it to say a large number of classes are covered from carriers to patrol boats and auxiliaries of all types. Of the latter, one of the largest is the USS Sacramento, and equally impressive is the soviet equivalent Berezina (T237). Examples of other models are the submarine USS San Francisco, missile hydrofoil Sarancha, frigate USS Ramsey, missile cruiser USS Virginia and super-carrier USS America. Incidentally the large carriers are unusual in that they are moulded in plastic. A fuller list of

American ships can be found in Annex B. Ironically the only one to avoid is T1 USS Enterprise as the model is somewhat underscale.



Trident Alpha USS Chicago

GB ships that have been modelled by Trident Alpha are listed in the table below – unfortunately at present only Dunstan, HMS Aveley and the four landing craft are available. It is interesting to note that the last RN/RFA ship produced by Trident Alpha was catalogue number T118, so the decision seems to have been made to leave the modern Royal Navy to Albatros and to a much lesser extent Trident. Current non-availability of the Sir Lancelot is also disappointing as this ship was the prototype of the LSL class and differed in appearance from her later sisters. The Dunstan is an unusual model in that it is the sole merchant from this manufacturer. This small cargo vessel is in fact Booth Line’s fourth ship bearing the name and was laid down as the USS Tulare, hence its inclusion in the Trident range which specialises in the post-war United States and Soviet Navies. Lastly from ‘Alpha’ there are a few ships from the modern Italian, Dutch and French Navies.

Also available is the ‘Z’ series of accessories (Z1 – Z83, recently renumbered Ta19001 upwards) which includes aircraft, vehicles, spare parts, small dry docks and even a couple of full hull models (a nuclear submarine and a minesweeper, both American) to go in a dry dock. Lastly Trident Alpha once produced a series of metal kits which included the following American vessels – Coastal Rambler (1945, Ta 12003), American Veteran (1945, Ta 12004), Gulfglow (1948, Ta 12007) and Old Colony Mariner (1953, Ta 12008). The range is slowly expanding but this also means that many of the earlier models are out of production, with the possibility that they will not be re-released. A couple of early warship models have not been released at all.

Ta10014	HMS Guardian	1945	Ta10101	RFA Sir Lancelot	1963
Ta10015	HMS Aveley	1959	Ta10118	HMS Barrosa	1969
Ta10021	HMS Crossbow	1960	Ta19025	LCM 9	1969
Ta10027	LCT 4	1943	Ta19026	LCA	1944
Ta10080	RFA Engadine	1969	Ta19027	LCM 7	1944
Ta10100	HMS Fearless	1969	Ta10061	Dunstan	1963

Trident Alpha British Ships

Trident

Chronologically speaking the Trident range has far greater scope than ‘Alpha’ extending from WW1 coastal motor boats to the most modern nuclear powered submarines, and even the only 1/1250 models to date of possibly the last RN diesel electric submarine HMS/m Upholder (since leased to Canada) and the RN’s Trident SSBNs. Trident seem to follow no set pattern in selecting ships to model for the range and particular favourites seem to be modern soviet submarines, RN coastal and amphibious craft, Imperial Japanese Navy (IJN) auxiliaries and aircraft carriers, virtually anything Austrian and small from WW1, plus a huge selection of items from which to build the Normandy invasion mulberry harbours. A few modern RFAs and RN vessels are hidden away in the catalogue, plus occasional IJN cruisers and destroyers and even the odd Kriegsmarine Armed Merchant Cruiser. Royal yacht Victoria and Albert (1855) is an oddity but a welcome addition to any collection. Other examples are HMNS Van Heemskerck (1944), FNS Chacal (1940), and the carrier IJNS Akagi in 1935 (ie prior to her final modification which resulted in a full length flight deck). Indeed IJN enthusiasts should look closely at Trident who have a number of unique models of IJN warships. For example the light cruiser Kitakami has been produced to virtually Neptun standard in both 1942 torpedo cruiser (T1014N) and 1944 midget submarine carrying versions (T954). The heavy cruiser Kako (T1052) is shown, again to Neptun standard, as in 1927 with the main armament of six 8” guns in single mounts rather than twin turrets; sistership Furutaka (T1017) is listed to show the class in their final configuration and may be worth considering in place of Neptun’s version, but in this instance is a much less detailed model. Finally the first Japanese full decked aircraft carrier Hosho is available, either as completed in 1922 with a small bridge (T1051) or as in 1941 with the bridge removed (T1051a). The Hosho, completed with design aid from the RN, was one of the world’s first carriers and featured an arrestor wire and even a primitive deck landing light system. More recently Trident have been concentrating on submarines with a vast number of releases, in particular modern Russian boats, but also including all current RN types. Trident’s British models are in the table; those named ships yet to be released are in italics. Most of the smaller types which are too numerous to list also fall into the unreleased category. The only model currently

discontinued is T975 – this depicts HMS Invincible during her trials with the flight deck in light brown with an outline of the waterline painted in white. British ships by Trident are listed below.

T103	HMS Colossus	1945	T975	HMS Invincible (trials)	1979
T152	HMS/m Dreadnought	1962	T975a	HMS Invincible	1982
T197	Victoria & Albert	1855	T998	RFA Grey Rover	1978
T202	HMS Humber	1938	T999	HMS Eagle	1951
T206	Banshee (yacht)	1901	T1000	HMS Ark Royal	1956
T213	Trident type SSBN	1992	T1003	HMS/m Snapper	1940
T214	HMS/m Renown	1969	T1004	HMS/m Sportsman	1941
T215	HMS/m Torbay	1987	T1022	HMS Austell Bay	1945
T216	HMS/m Superb	1978	T1033N	HMS Glory	1944
T217	HMS/m Churchill	1970	T1208	Ocean	1945
T218	HMS/m Upholder	1989	T1209	Magnificent	1944
T219	HMS/m Ocelot	1967	T1210	Illustrious	1983
T618	Alaunia (depot ship)	1957	T1214	Boxer	1944
T619	General Wolfe	1918	T1218	Vengeance	1945
T864	Bulldog	1968	T1240	Empire Macrae	1944
T901	Ardennes	1977	T1308	Warden (tug)	1945
T903	Triumph	1964	T1309	Restive (tug)	1941
T907	Olna class RFA	1966	T1590	Nicoya (freighter)	1948
T908	HMS Abdiel	1967	T1611	Claymore (passenger vessel)	1954
T920	RFA Stromness	1967	T1743	Lady Enchantress (yacht)	1950
T924	HMS Endurance	1983	T1780	Dunstan (freighter)	1948
T965	HMS Perseus	1950			
T974	HMS Gold Rover	1979		plus many more coastal craft and landing craft	

WIKING

Wiking were the original producers of German naval recognition and collectors models who, before the war, had a huge warship range, military aircraft and a fair number of merchantmen. All major warships were listed and very probably released; an undated price list supplied by a collector in Germany puts battleships at DM4.50, cruisers at DM2.50 and destroyers at DM1. A further list dated 1949 limits itself to merchant-ships, but by the 1960s there were wartime and post-war warships and merchantmen. It is believed that Wiking finally ceased production in the late 1970s, succumbing mainly to the influx of much higher quality models from other sources. A few of the models were re-issued during the late 1980s but the prices reflected 'collectability' rather than quality. In terms of actually finding Wiking models today, perhaps the best guideline is to indicate what was generally available in the 1970s. German mail order firm Wiedling's final update of Wiking stock was dated March 1976 and listed 97 models, virtually all warships, including 25 RN vessels, some of which until very recently remain unique to Wiking. Quite a few of the models were cast in plastic, other examples being Sverdlov, Boston (missile cruiser), Koln (WW2 cruiser) Illustrious and HM cruisers Dido and Fiji. The latter was available in three and four turret versions.



Wiking Sverdlov

Not on Wiedling's list and now very collectable was the super carrier USS Forrestal, also in plastic and once stocked by Argyle Models at 25/-. Other foreign warships of special interest are the Norwegian minelayer Olav Tryggvason, Swedish coastal defence ship Ilmarinen, US Wind class icebreaker, and soviet battleship Marat as modified between the wars. None of these models are (were?) available from any other manufacturer. Civil types listed included a river steamer, a dredge, fishing vessels, a tramp steamer and just two named vessels, Barentzee (Dutch) and Rio de Janeiro (Swedish), both of 1950s vintage. Based on a compilation of information from several listings published in the 1960s and 1970s, most recently available British ships (all warships) were as follows: (P) means moulded in plastic; all the ships date from 1935/45 unless otherwise indicated.

Illustrious	aircraft carrier (P)	Hunt class	escort destroyer (P)
Glorious	aircraft carrier	V and W class	destroyer (as built)
Hermes	aircraft carrier	Thames	submarine
Biter	escort carrier (P)	Porpoise	submarine
King George V	battleship (P)	Seal	submarine
Nelson	battleship	Egret	sloop
Warspite	battleship	Halycon	minesweeper
Queen Elizabeth	battleship	Abelia	corvette
Renown	battlecruiser	Bluebell	corvette
Repulse	battlecruiser	Kingfisher	patrol boat
Fiji	cruiser (3 and 4 turret versions) (P)	Daring	1952 destroyer
Dido	cruiser (4 and 5 turret versions) (P)	Rothesay	1960 frigate
Cumberland	heavy cruiser	Leopard	1956 frigate
Manxman	cruiser minelayer (P)		

and for the USA:

North Carolina	battleship (P)	Forrestal	1959 aircraft carrier (P)
New Mexico	battleship	Boston	1955 CAG (P)
Colorado	battleship	Forrest Sherman	1955 destroyer
Minneapolis	heavy cruiser	Nautilus	1954 SSN (P)*
Brooklyn	light cruiser (P)	Sea Wolf	1957 SSN
Omaha	light cruiser (P)	George Washington	1959 SSBN
Atlanta	AA cruiser (P)	Tunny	1956 missile submarine
Wind class	icebreaker	Trout	1952 Tang SS
Fletcher class	destroyer	Bluebird	1959 minesweeper
Gearing class	destroyer		
Somers class	destroyer (P)		* also issued in metal

MINOR MANUFACTURERS

In general the manufacturers described under this heading are those with smaller catalogues, but who nevertheless include interesting and often top quality models; availability is mixed.

Anker

A supplier of white metal kits, mainly projected warships from the 1930s and 40s, and no longer in production. Only 30 models were issued, highlights being the uncompleted soviet battleship of 1942, Japanese and Dutch WW2 battlecruisers, and for GB collectors the freighter Port Alma (1928) and HMS Vindictive both as seaplane carrier and repair ship. A full list follows.

Cat.	Anker Model Details
A 01	Dhonburi, armoured gunboat, Thailand 1938
A 02	X1, submarine, RN 1923
A 03	Zmaj, 1929 Yugoslavian aircraft 'mother-ship', became German Drache in WW2
A 04	HMS Maidstone, depot ship, 1937
A 05	Port Alma, freighter Port Line 1928
A 06	HMS Vindictive, repair ship 1940
A 07	Joffre, projected aircraft carrier, French 1940
A 08	Irmingard, German freighter 1958
A 09	HMS Vindictive, training ship 1935
A 10	Cruiser project, Swedish 1932/34
A 11	Vesuvio, Italian AA cruiser ex Thai (A 16), 1942 (Vesuvio & Etna scuttled incomplete in 1943)
A 12	Seydlitz, German projected aircraft carrier, ex heavy cruiser, 1942
A 13	A – H class, German projected minelayer (A 13a, 13b other variants)
A 14	Almirante Clemente, Venezuelan frigate 1955
A 15	Pero Escobar, Portuguese frigate, 1955 (similar to above)
A 16	Taksin, Thai AA cruiser project 1938 (building at Trieste, Taksin and sister ship Naresuan seized by Italy in 1941 and renamed respectively Etna and Vesuvio)
A 17	M – R class German projected light cruiser 1938/40 (see also NTs 17, 21 & 22)
A 18	HMS Vindictive, aircraft carrier 1919
A 19	Sparviero, Italian projected aircraft carrier, 1942
A 20	Dutch projected battlecruiser 1939/40
A 21	Batiray, Turkish submarine 1939
A 22	Coastal defence ship 7000 tons, projected, Swedish 1933
A 23	Coastal defence ship 7681 tons, projected, Swedish 1934
A 24	Monitor 8000 tons, projected, Swedish 1934
A 25	HMS Victorious, 1960 aircraft carrier as modernised with angled flight deck
A 26	Gibbs & Cox design B for a Soviet battleship/carrier, 1937
A 27	Sovjetskaya Ukraina, projected battleship, Soviet 1938/41
A 28	Sovjetskaya Bjelorossiya, projected missile battleship, Soviet 1953
A 29	Coastal defence ship, projected, Swedish 1939
A 30	Isaac Sweers, Dutch destroyer, original design, 1939
A 31	B65, projected battlecruiser, Japanese 1941

Anker Models (from a list dated 1979)



Anker Dutch Battlecruiser

Atlantis

A small range of primarily modern warships manufactured by Ostrowski; useful as a gap filler for some of the emerging navies such as India, as well as the better known West European Navies. For example from France, Holland and Italy

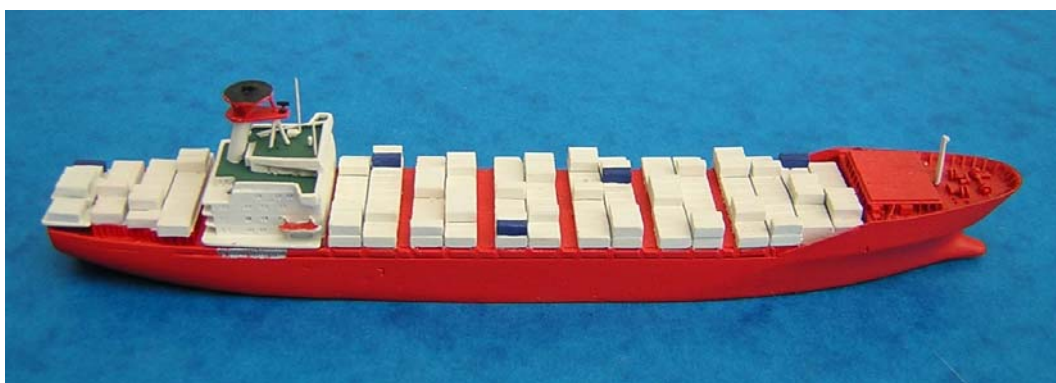
respectively, come Aconit, Zuiderkreis and San Marco (frigate, replenisher and assault ship); no RN ships seem likely and the range has now been discontinued.



Atlantis Godavari

Bille

Originally a producer of coastal forts and harbour accessories, Bille have in the past also listed sailing ships from the period 1500 to 1850 (including the Golden Hind, Bounty, Bellona and Victory), and primarily German merchantmen from the 1950s. British vessels are the turret ship HMS Captain (1870), Craig Shipping’s 1983 coaster Craigavad and container ships Alum Bay (1991) and Chesapeake Bay (1995) in P&O charter colours. Emphasis recently is modern German merchant ships and to a lesser extent warships starting with various MEKO frigates, plus Bundesmarine ships and from an earlier era the seaplane Walter Holzapfel.



Bille Columbus New Zealand

Carat & CSC

A range of top quality models produced in Hamburg; first releases were German 1905 small liner President, 1992 Scandinavian Seaways ferry Winston Churchill, 1993 Dutch ferry Princesse Ragnhild and 1955 German freighter Birkenstein. Existing and planned releases (latter in italic) of British ships are in the table below (CFC refers to Carat Ferry Club). The Bowes Castle was operated by James Chambers from 1920 – 31; New Generation was owned by James Fisher & Sons, Ro-Ro, 1966. The Titanic is presented in a wooden display case and must be the definitive model of this ship. Carat also have the most superb model of Cunard’s Sylvania although representing the ship in 1994 after several changes of ownership and under charter to a German company with the name Albatros. This range was originally known as GM Carat.

C 007A	Bowes Castle	1920	freighter			
C 015	New Generation	1990	Ro-Ro	C 043	Stena Fantasia	ferry
C 020	Victoria & Albert	1901	Royal Yacht	C 044	Barfleur	1977 ferry
C 021	Maersk Anglia	1990	Ro-Ro	C 046	Stena Challenger	ferry
C 022	Circassia	1937	liner	C 051	Europic Ferry	ferry
C 025	Servia	1881	liner	C 055	British Hunter	1997 tanker
C 060	Titanic	1912	liner	C 057	Pride of Flanders	1986 ferry
C 063	Arawa	1884	liner	C 062	Southern Cross	1995 liner
				C 065	British Strength	1998 tanker
				CFC 008	Stena Sea Lynx II	ferry
				CFC 010	Bison	Ro-Ro
				CFC 015	European Seaway	1991 Ro-Ro



Carat Pride of Flanders

Originally produced in conjunction with Carat but now operating independently are Classic Ship Models (CSC); these are very high quality models, mainly liners, with levels of detail hitherto not seen in 1/1250. The CSC catalogue (check www.classic-ship.de) currently runs to 15 + models and most are available either waterline or full hulled, with the latter supplied in a quality wooden display case. Latest releases (as of late 2003) are the liners Mauretania, & Italia (1950s) and current Color Line ferry Kronprins Harald. British ships are:

000	Titanic	026	Great Eastern
002	Queen Mary	024	British Hunter (as C 055)
009	Queen Elizabeth II	031	Servia (as C 025)
013	Queen Elizabeth	032	Loch Rannoch (1998 BP tanker)
021	Mauretania	039	British Progress (1948 tanker)



CSC Queen Mary

Colonia

Merchant ships, in general from the 1920s and 1930s, and to a good standard; of special interest to GB collectors are the Rawalpindi and Jervis Bay both in merchant service and as armed merchant cruisers, and from a much earlier era the Great Western. Mauretania (II) is also recommended but very hard to find and is now of course available from CM. A list of Colonia's British merchants, all passenger ships, is below; those with catalogue numbers are the most recently available. AL C-1 is an Albatros re-issue of the original Colonia. Most recent release is the Albania.

	Great Western	1837			Laconia	1922	Cunard
AL C-1	City of Paris	1889	Inman Line	Co23	Mongolia	1922	P & O
	Laconia	1910	Cunard		Orama	1924	Orient
Co28	City of Winchester	1917	Ellerman	Co12	Rawalpindi	1925	P & O
	Jervis Bay	1921	Commonwealth G'ment Line		Viceroy of India	1928	P & O
	Albania	1921	Cunard		Mauretania	1938	Cunard
Co25	Ballarat	1922	P & O	Co29	Canberra	1962	P & O
	Barrabool	1922	P & O				



Colonia Canberra

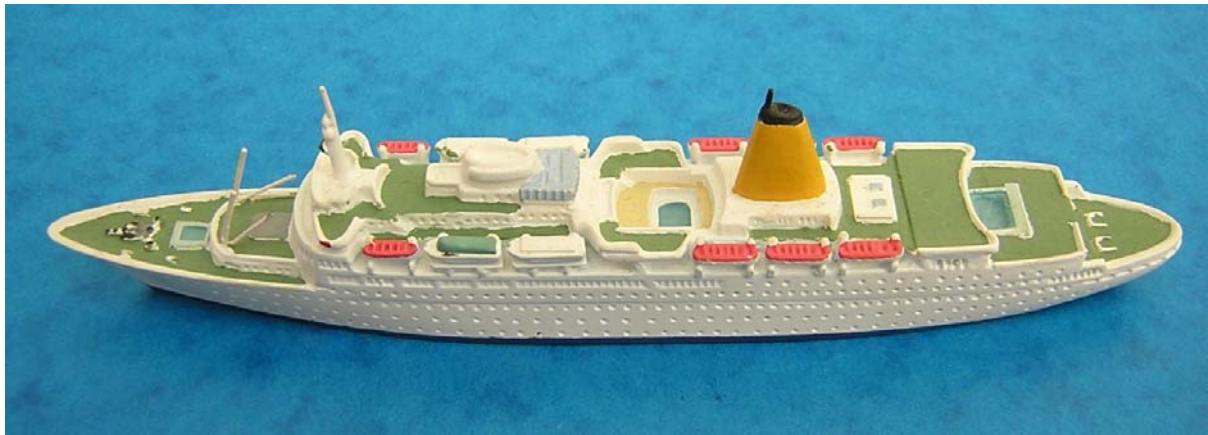
Degen (Hein Muck)

A large range of medium priced resin merchant ships, troopships and hospital ships; also some naval auxiliaries. The tables below contains a full list of British ships released to date; only pending items are the Shaw Savill & Albion liners Southern Cross and Northern Star although given that both these are CM KRs, they may be deleted. An example of a recent model is HM 420E, the cruise ship Princess Danae, 1996 (ex-Port Melbourne). Sadly the maker of this range died in 2002.

156	Benavon	1973	Ben Line	286	Voltaire	1939	AMC
157	Tokyo Bay	1973	OCL	287	Ausonia	1921	Cunard
202	Empress of	1951	Canadian Pacific	288	Ausonia	1942	AMC
210	City of Benares	1939	Ellerman	289	Dunnottar Castle	1936	Union Castle Line
211	City of Benares	1940	as troopship	290	Dunnottar Castle	1942	as troopship
252	Canberra	1933	Australian SS Co.	291	Dominion	1938	Shaw Savill
253	Canberra	1941	as troopship	292	Dominion	1939	as troopship
261	Capetown Castle	1938	Union Castle Line	295	Aurania	1924	Cunard
262	Capetown Castle	1939	as troopshipv	296	Artifex	1944	repair ship
263	Southern Prince	1929	Furness, Withy &	297	Alauna	1941	as troopship
264	Southern Prince	1940	as troopship	302	Letitia	1924	Donaldson
270	Alcantara	1925	Royal Mail Line	303	Letitia	1942	as troopship
270A	Alcantara	1948	Royal Mail Line	304	Letitia	1944	hospital ship
271	Alcantara	1943	as troopship	343	Andes	1939	Royal Mail Line
272	Monarch of	1931	Furness, Withy &	344	Andes	1939	as troopship
273	Monarch of	1939	as troopship	345	Durban Castle	1938	Union Castle Line
274	New Australia	1931	Shaw Savill	346	Durban Castle	1940	as troopship
278	Reina Del Pacifico	1930	Pacific Steam Nav.	385	Queen of Bermuda	1961	Furness, Withy & Co.
279	Reina Del Pacifico	1939	as troopship	386	Queen of Bermuda	1942	as troopship
283	Strathaird	1931	P & O	387	Queen of Bermuda	1939	AMC
283A	Strathaird	1946	P & O	399	Sea Princess	1979	P & O
284	Strathaird	1939	as troopship	418	Hellenic Princess	1949	ex HMAS Albatross
285	Voltaire	1923	Lamport & Holt	SM*	Oriana	1960	P & O (*special

of interest

160	Akarita ex-Amazon	1972	Hoegh-Ugland
161	Hoegh Traveller ex-Aragon	1971	Hoegh-Ugland



Degen Sea Princess

Helvetia

High quality resin models covering a wide variety of types but with only some 40 releases, and a predominance of foreign merchant ships; of interest to GB collectors will be the ironclads Belleisle, Royal Sovereign and Hotspur all dating from the 1870s and several modern merchantmen as listed. The models were available in limited quantities and in spite of much searching the ironclads remain very elusive. Helvetia have also made merchant and warships from the age of antiquity; no, not when I began collecting, but rather Greek, roman and Byzantine! All catalogue numbers are prefixed HV.

11A	Oriana	1961	Orient	52	LNG Pollenger	1974	Burmah Oil
11B	Oriana	1965	Orient	56	Port Caroline	1963	Port Line
15	G A Walker	1974	Canadian Pacific	59A	Empress of Canada	1961	Canadian Pacific
22	Gadinia	1972	Shell Tankers	59B	Empress of Canada	1968	Canadian Pacific
36A	London	1972	London & O'seas Freighters	61	Garinda	1977	P & O
	Bombardier						
36A-1	London Grenadier	1973	London & O'seas Freighters	38	Flying Princess	1977	hydrofoil
36B	Strathdoon	1972	P & O	70C	Laertes	1976	Ocean T'port & T'ding
36C	Strathdare	1972	P & O	71C	Saxon Star	1983	Blue Star
51	Norman Lady	1974	Buries Markes				



Helvetia Caroline

HL

No longer in production but some ships still available, HL are unusual in that they generally offer their models either as kits or completed. Again warships and merchantmen, but concentrating on the period 1880 to 1910 with particular attention to Austrian vessels. Also covered are Spain, Italy, Brazil and the USA. British Empire (GB and Canada) representation is slight so it is possible to provide a list. Of these just the Nonsuch is thought to be still commercially available – HL168 in kit form. Personal favourites from HL are the Italian ironclad monsters Lepanto and Duilio.

Creole	1906	passenger	Canadian, line unknown	Empress of Russia	1913	liner	Canadian Pacific
Princess Royal	1907	ferry	Canadian Pacific	Trunkby	1898	freighter	Ropner
Empress of China	1909	liner	Canadian Pacific	Nonsuch	1906	freighter	Bowles Bros
Princess Alice	1911	ferry	Canadian Pacific	San Sebastian	1914	tanker	Sebastian DM Boat Co.
Franconia	1911	liner	Cunard	Novocastrian	1915	freighter	Tyne-Tees SS Co.
Ceramic	1913	liner	White Star	HMS Humber	1913	monitor	



HL Lepanto

Holsatia

A small range of high quality merchantmen from 1960 to the present day. The majority are ferries and passenger ships of German origin, examples being Nordfriesland (1987) and Prinz Hamlet (1973). 'Foreigners' include the Song of Norway (1978), Royal Viking Sky (1982), Royal Viking Queen (1992), Song of America (1982) and just one British ship, the Townsend Thoresen ferry Spirit of Free Enterprise. For sea-borne visitors to the model shops of Hamburg, a model of Scandinavian Seaways' Hamburg might be a nice souvenir. Availability of Holsatia is limited.



Holsatia Song of Norway

K Modelle

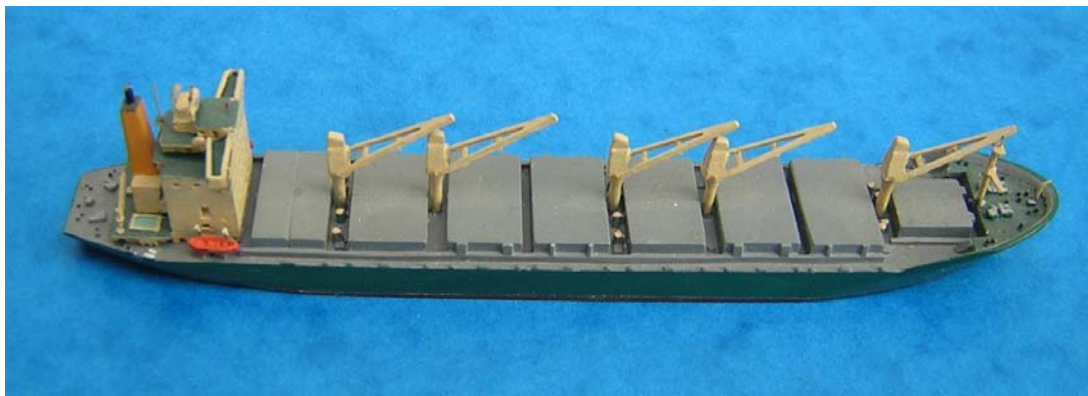
K modelle seem to be an offshoot of Hai which were perhaps produced as 'Specials'; they certainly do not seem to be readily available today. 25 models were listed although it is unclear if all were actually released; as to the models themselves, mainly WW2 USN amphibious auxiliaries, such as USS Ancon and Monrovia, but also items from much earlier such as USCG vessel Pamlico (1907), and much later for example Baltic Eagle (Ro-Ro 1980) and Esso Nederland (1956). The model illustrated has now been issued under the Hai name.



K USS Monrovia

Kyle

A small high quality range produced in Hamburg and concentrating on German merchant ships from 1960 to the present day. In the past KYLE have also offered some spectacular dioramas showing German naval barracks, an AA emplacement and fire control bunker. Solitary model of UK interest is the floating crane Tog Mor - perhaps a model of the remains of the Mary Rose will be next.



Kyle Columbia

Lloyd (& Binnen-Lloyd)

Linked with Hai and a total of 46 merchant models released, of various nationalities, and most still available. The range is quite diverse defying a brief summary and to illustrate this, how about the following – Abercraig (1937 ferry, Trustees of Dundee Harbour), Bima (1980 bucket dredger) and Fedor Litke (1909 icebreaker). There is just one other GB vessel in addition to the Abercraig, namely the 1914 ferry Riviera (South Eastern & Chatham Railway); the latter (Catalogue Hai Lloyd 26) is thought to be still available. Binnen-Lloyd is a small range of old Austrian and German river and lake steamers bringing back holiday memories perhaps!

Luna

Not much is known of Luna, in spite of a listing of in excess of 100 models. The first half of the range, all thought to be out of production, is composed almost entirely of German merchantmen and naval auxiliaries from the 1920s to 1940s; the second half of the range is mostly sailing ships, each model being offered in three versions which, subject to my translation ability, are ‘sails set’, ‘sails furled’ or ‘masts only’. Some examples are – Horst Wessel, Amerigo Vespucci and Cutty Sark. Later models such as Pamir (German, 1905) are reworked to an improved standard. Most recent models are Soviet training ship Sedov from 1922 plus some floating accommodation/offices.

Nautilus

A range of some 30 WW2 era warship models, mainly German and including many uncompleted types such as schlachtkreuzer O/P/Q, panzerschiffe 1 to 12, leicht kreuzer M/N and various spahkreuzer (scouts). The only ‘foreign’ ships are a soviet Ognyevoi class destroyer, and from the RN a heavy cruiser design that was abandoned in 1940. Some years ago at Theale someone in touch with the manufacturer stated that three RN types were produced – a 15350 ton 6” gunned light cruiser (possibly the cancelled Neptune class of 1944), a 1940 Lion class battleship and a heavy cruiser design that was abandoned in 1940; only the latter is listed (NT 11) and does indeed exist; unfortunately it cannot be confirmed if the others were ever issued. Availability of Nautilus has been poor although there are occasional rumours that some of the range, including the RN ship, may be re-released.

Cat	Listed as	Details (Entwurf = design)
NT 01	U Boat Type 126W, 1944	nothing found, presumably a Walter design
NT 02	U Boat Type XVIII, 1944	ocean going Walter boats U796, 797; uncompleted
NT 03	U Boat Type XXVI B, 1944	sea going Walter design, none completed
NT 04	U Boat Type XXII, 1944	coastal turbine type, abandoned in favour of Walter types
NT 05	Elbe II, ex Potsdam, 1942	auxiliary aircraft carrier ex-liner, uncompleted
NT 06	Spahkreuzer Z40 – 42, 1942	scout cruisers – renamed SP 1 – 3, first only LD, uncompleted
NT 07	KSB 1 – 27, 1943 (Kriegssperrbrecher)	war auxiliary minesweeper, none built
NT 08	Kleiner Seeflugzeugtrager, 1942	seaplane carrier – no details found
NT 09	Motorenkreuzer 1938 Entwurf MAN, 1938	1938 cruiser design – no details found
NT 10	Panzerschiff P 1 – 12, 1939	Z plan 25,000 ton battlecruisers, none laid down (LD)
NT 11	Kreuzer Entwurf 1940A, 1940 British	18,749 ton heavy cruiser design, 3 triple 8”, none built
NT 12	T 52 – 60, 1944	fleet torpedo boat (equivalent to a destroyer), none built
NT 13	Schlachtkreuzer O/P/Q Entwurf 1939	Z plan 32,300 ton battlecruisers, none laid down
NT 14	Castor, 1941	icebreaker, lost 1945, became Soviet Peresviet in 1951
NT 15	Ognyevoi class, Soviet, 1945	destroyer
NT 16	Geleittrager Hansa C, 1942	Escort carrier, merchant conversion – no details found
NT 17	Leichter Kreuzer M/N Entwurf 1938/39	2 (‘M’ & ‘N’) Z plan light cruisers, scrapped on slip 1941 – 43
NT 18	Zerstorer 1938 B	mass production destroyer type, 2 twin 5”, none built
NT 19	Geleitzerstorer 1942/43	escort destroyer – no details found
NT 20	Kleiner Kriegzerstorer 1943	small war (emergency?) destroyer – no details found

NT 21	Leichter Kreuzer O/P Entwurf 1938	Z plan light cruisers, 'O' scrapped as 'N' above, P not LD
NT 22	Leichter Kreuzer Q/R Entwurf 1938	Z plan light cruisers, neither laid down
NT 23	T 151 – 158 ex V 151 – 158, 1939	tenders, converted from 1907/08 torpedo boats
NT 24	T 107 – 111 ex G 7 – 11, 1939	as above, former sea-going torpedo boats
NT 25	TA 7 – 8 ex ZN 4 – 5 (N), 1942	requisitioned Dutch destroyers, sabotaged & not completed
NT 26	M 25 – 36, M-boat type 1938	Minesweeper type 1935, in service
NT 27	Kanonboot 1938 Entwurf 1938	design for a small 1390 ton gunboat
NT 28	Spahkreuzer 1938 AC	original Blohm & Voss design for a scout cruiser (see NT 6)
NT 29	Kolonial Kanonenboot K 1 – IV, 1939	design for a 2100 ton gunboat, for Colonial service
NT 30	Lutzow/Seydlitz, schwerer kreuzer, 1939	final 2 of the Hipper class cruisers, had they been completed

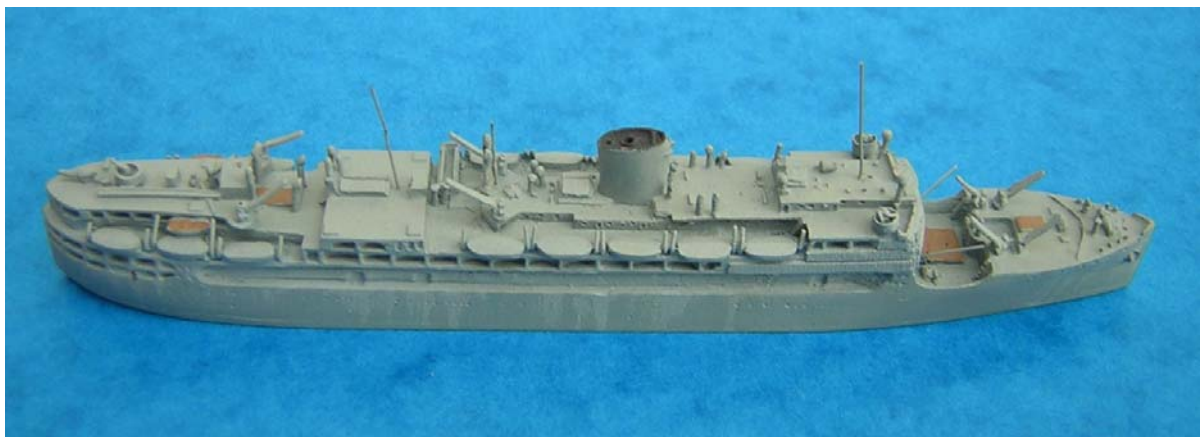
Nautilus Models (from a list dated 1987, German ships unless otherwise stated)



Nautilus M-R class cruiser

Noordzee

A superb range for once produced outside Germany, in fact in the Netherlands, which is fairly self-evident given that all but 13 of nearly 70 listed models are of Dutch origin. Availability of Noordzee is unfortunately very limited with only a few models listed as available in most current catalogues – Maasdam (1951), Oranje (1939), with examples of deletions being the Nieuw Amsterdam (1972), Konigin Beatrix (1986), and Deepwater 1 (1983). GB ships listed are the landing ship Queen Emma (1942), hospital ship Oranje circa 1941 and the Macoma, both as an oiler and as a merchant aircraft carrier. The Johan van Oldenbarnevelt as a RN transport circa 1944 is due in 1998. Most recent model is the MV Kedoe, 1921 Rotterdamsche Lloyd; the ship is also available as MV San Francisco in Johnson Line colours. Latest models are the Boissevain, in original merchant colours & in wartime service with the RN and Kota Gede as a USN AP circa 1944.



Nordzee Dempo

RG

A range of primarily merchant ships, mostly from the period 1890 to 1940; several British ships are included, as listed below, those asterisked are thought to be available at the time of writing. China and Haverford both appeared second-hand at a recent swapmeet – it is always worth looking.

China	1896	liner	P & O	Wiltshire	1912	
Arabia	1898	liner	P & O	Otway*	1914	AMC
Oceanic	1899	liner	White Star	Minnewaska	1915	troopship
Lake Champlain	1900	ferry	Canadian, line unknown	City of Milan	1921	freighter Ellerman
Haverford	1901	liner	American Line	Mulbera	1922	liner
Carpathia	1903	liner	Cunard	Athenia	1923	liner
Empress of Ireland*	1906	liner		Bulla	1923	freighter ex Hessen

Megantic	1909	liner	White Star	Inverglass*	1924	tanker	
Minnewaska	1909	liner	Atlantic Transport Line	Airthria	1929	freighter	Donaldson
Otway*	1909	liner	Orient Line	Scottish Borderer	1937	freighter	line unknown
Leicestershire	1909	freighter	Bibby	Sutherland	1935	freighter	Suth. Shipping
Carpathia	1912	liner	Cunard	John A McDonald	1959	icebreaker	Canadian CG

Rhenania

High quality models, with a wide selection of early merchant ships, the occasional modern vessel including, recently, Swedish warships and various other warships, mainly German WW1 plus Swedish and Dutch 1930s/40s. Unusual offerings are the French armoured cruiser Pothau, Greenpeace ship Sirius and a 1997 release, the Swedish cruiser Gotland (1940). Just a few British vessels are/have been listed – Yorkshire (1919 liner), Velinheli (1892 coastal steamer), freighters Saint Dunstan (1919), War Buckler (1918), War Melody (1918), War Arrow (1918) and Elder Dempster's New Georgia (2 versions 1919 and 1921 when with 'British & Africa'), Humber ferry Wingfield Castle, HMSs Acorn & Cameleon (circa 1909), Stanhope (1937) and finally the Cutty Sark. Of these just the Stanhope is thought to be currently available, certainly as RH 116b. 1942 appearance. American ships are the monitors Casco and Dictator (both 1864). Warships in the RH-RS series include destroyers Acorn (1910) & Vidette (1918) and 1944 landing ship Isle of Guernsey. G models re-issued by Rhenania/Klabautermann are shown in the G list. Rhenania also produce a 'junior' series designed for younger collectors.

Risawoleska

A substantial range of some 60 models with a similar number earmarked for future release. Originally producers of Danish ferries, there are now Norwegian and Swedish vessels and even a few British (Solomon Browne; Scillonion (II), 1952; Commodore Queen, 1961; Scillonion (III) 1982) and American (Sir John Franklin, 1947; Flying Enterprise in three versions, 1948, 1951 and sinking in 1951).

Schlingelhof (HDS)

Medium quality white metal kits, also at one stage available from German Mail Order shops assembled and painted. The kits are also marketed by Model Figures and Hobbies (MFH) of Northern Ireland under the name HDS-Ensign and the major features of the range are described under the Ensign entry in the survey. Some years ago I bought some modern French Agosta class submarines directly from Herr Schlingelhof, these particular models having been released during a lengthy period of inactivity by Ensign, but they were considerably more expensive than equivalent models produced by MFH. More recently 'Schlingelhof' seem to have been fairly inactive.

Star

Good quality white metal kits, now out of production, with limited stocks perhaps still held by the sole distributor L. Wiedling of Germany. At its peak Star produced 171 models ranging from the American Civil War era to the present day. ACW vessels consume nearly a quarter of the catalogue with both Union and Confederate ships (see list below). The remainder of the range is quite extensive in its scope, covering submarines, destroyers, cruisers and battleships from a dozen nations or more, and including many ships not available elsewhere; to list a few examples all worth looking for, how about – SSN USS Triton, cruiser Ping Hai, soviet destroyers Tashkent (WW2) and Novik (1954, one off predecessor of the Kotlin class), Brazilian Battleship Minas Geraes (WW2 appearance), polish destroyer Blyskawica (1937), modern Dutch destroyer Holland, WW2 AMC Coronel, and the same ship when converted to a radar direction ship and re-named Togo; and WW2 Italian colonial sloop Eritrea. This brief list illustrates the scope of the Star range, which although quite sought after in the UK does not seem to have been that popular on the continent, possibly because they were mainly sold as kits. Lists of British & Commonwealth ships and American ships follow.

R3	HMS Deadnought	1960 nuclear sub	R108	Albatross	1928 seaplane carrier
R4	O class sub	1959, RN	R111	Juno	1962 RN Leander class
R11	LST 2	1943	R115	Upright	1941 RN submarine
R11a	LST 2	modified, 1943	R116	United	1940 RN submarine
R13	HMS Terror	1916 monitor	R119	Viking	1944 RN submarine
R24	HMS Roberts	1941 monitor	R122	Blackwood class	1957, RN frigate
R49	HMS Thule	1942 RN submarine	R129	Deerhound	1860 British yacht
R50	HMS Turpin	1942 RN submarine	R142	Ladybird	1915 RN patrol boat
R84	Leander class	1961, RN frigate	R149	Swale	1944 RN frigate
R86	Hunt IV class	1942 RN escort destroyer	R156	HMS Exeter	1929 heavy cruiser
R86a	Hunt IV	modified version, 1942	R160	Loch class	1944, RN frigate
R105	Leith	1933 RN sloop	R163	Thunderbolt	1943 RN submarine



Star Blackwood Class

R1	USS Thresher	1962 SSN	R39	USS Sims	1943 fast transport
R2	USS Skate	1957 SSN	R43	LCT 8	1944
R6	USS Bogue	1941 escort carrier	R44	USS Triton	1958 SSN
R11	LST 2	1943	R54	USS Agile	1952 minesweeper
R11a	LST 2	modified, 1943	R55	Campbell	1936 Coastguard cutter
R14	Fleet Snorkel	1945 sub	R58	USS Claude Jones	1958 frigate
R15	Guppy I	1950 sub	R60	USS Bass	1925 submarine
R16	Guppy II	1950 sub	R67	USS Chopper	1945 submarine
R18	USS Casablanca	1943 escort carrier	R92	USS Lejeune ex Pretoria	1946 transport
R30	Commencement Bay	1944 escort carrier	R117	Owasco	1944 Coastguard cutter
R37	USS Bluebird	1959 minesweeper	R158	USS Barrett	1951 fast transport
R38	USS Suffolk County	1956 landing ship	R159	USS Andrew Hamilton	1962 SSBN

Star USN Ships

R96	Queen of the West	1862 USA	R132	Alliance	1863 CSA
R97	Banshee I	1862 blockade runner	R133	Albemarle	1863 CSA ram
R98	Selma	1864 CSA	R134	Tyler	1861 USA
R99	New Ironsides	1863 USA	R135	Switzerland	1862 USA ram
R101	Miami	1861 USA	R136	Essex	1862 USA
R102	David	1862, CSA	R137	Black Hawk	1862 USA
R103	Tinclad	1862 USA	R138	New Era	1862 USA
R104	Alabama	1862 CSA	R139	Cricket	1864 USA
R106	Comm. Perry	1861 USA	R143	floating battery	1861 CSA
R107	Keokuk	1863 USA ram	R144	Osage	1864 USA
R109	Moserfloss	1862 USA	R145	Nashville	1861 CSA
R123	Attrappe	1863 USA	R151	Indianola	1862 USA
R124	Mars	1863 CSA	R152	Chickasaw	1863 USA
R125	Chicora	1863 USA	R153	Bridgeport	1861 USA
R126	Colonel Lamb	1864 CSA	R154	Ozark	1863 USA
R127	Choctaw	1863 USA	R155	Lafayette	1864 USA
R128	Palmetto State	1863 CSA	R164	Flamingo	1864 CSA
R130	Custis	1863 USA	R165	Shenandoah	1864 CSA
R131	Tallahassee	1863 CSA	R166	General Price	1863 USA ram

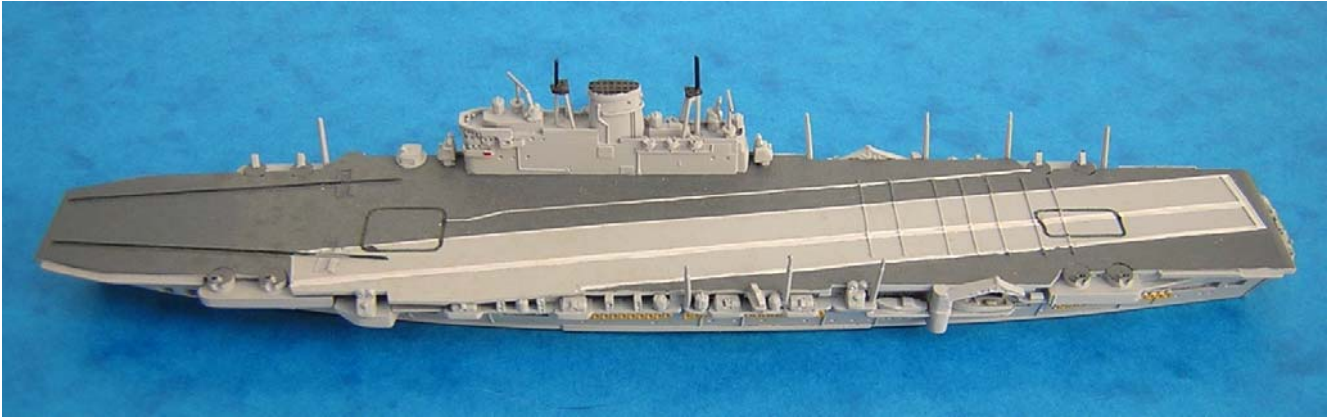
Star ACW ships

Welfia

A large (circa 200) and fascinating range of merchant ships, yachts, small warships, harbour accessories, buildings, vehicles and naval fortifications. The ship models are almost entirely German and date from the 1890s to 1945, with the majority from the latter half of the period. All sorts of merchant ship are produced including liners freighters, tankers, and even fishing vessels and cable-layers; the naval side is represented by a variety of minor warships, such as frigates, patrol boats, motor minesweepers and MTBs. There are just a few British ships, namely the 1922 tanker British Corporal, the freighters Inchcolm dating from 1909 and John Ericsson from 1896; RN warships are three types of motor minesweeper (MMS) and Fairmile B motor launches in standard configuration and serving as an ambulance launch. In addition there are half a dozen items relating to the Normandy Mulberries (also see Trident), and perhaps of most interest two listings given as 'coastal battery, Plymouth 1910' and merely 'naval fort, 1939'. New releases are still being reported in the Hamburger Rundbrief.

Westfalia

Only a very small range, but worthy of a special mention in any UK biased survey by virtue of their models of the fleet carriers Eagle and Ark Royal, as completed in the 1950s. The models are resin castings of superb quality.



Westfalia HMS Eagle

X Modelle

Completely unknown in terms of quality and availability but with nearly 80 models catalogued definitely worth a mention. Nearly a third of the models are Danish warships from the 1880s to the early 1960s, so perhaps 'X' are made in that country. Other interesting ships are USSs Campbell and Duane (coastguard ships converted to serve as amphibious force headquarters), and a model of the transports used to bring Egyptian obelisks back to Europe. Two GB ships are listed, 1963 freighter Media and from 1822 the RN sloop Bramble. To illustrate the scope of the rest of the range there is the Liberian gas tanker Ultragaz Sao Paulo (1952), the turn of the century Japanese yacht Hatsukaze, and the Austrian passenger/freight ship Pannonia dating from 1896. There are also several other Austrian types including armed steamers, paddle-steamers, submarines and a small flotilla of Donau river craft.

Yorck

Another little known but large (circa 100) range specialising initially in German warships dating from the 1850s. This particular subject consumes the first 40 releases and thereafter early 20th century German merchantmen and WW2 auxiliaries, particularly minelayers, are addressed. In addition a few minor IJN war and landing ships, the repair vessel Komahashi, soviet and Italian WW2 destroyers and submarines are covered. Final listings are mainly Turkish warships (cruisers, destroyers and submarines) from the 1930s. An interesting early release is the Russian protected cruiser 'General Admiral', while the only British ships are a 'Z' class oiler (two different models showing the class in 1918 and 1940) and the WW2 oiler Chant 69.

Other Continental Manufacturers

Much of the information presented below has been taken from the model news section of the Hamburger Rundbrief supplemented by listings in L. Wiedling's catalogue (see Annex A). Availability of some of these ranges will be difficult.

Aegir: Brocklebank Line freighter Marwarri of 1935, SS Clement in grey circa 1939 and Silverfir (1924) released in 1998 – later releases, all British ships are 1928 freighter Burdwan, Beaverford (1928 & 1940) and Watarana (1919). New for 2003 are Ripley Castle in 1919 and Devon City in 1933 & 1940 guises (catalogue nos. AE579a & b).

Albert: sailing warships from the period 1750 to 1820; availability unknown.

Aquarius: men o' war from the 17th and 18th centuries from the British, French, Dutch and Spanish Navies; over 30 models are listed but only half a dozen priced eg Sovereign of the Seas (1637); others presumably not yet produced; also ACW warships.

Baltica: a few German merchantmen mainly from the late 1970s; one Dutch ship Super Servant 1 (1979); availability and quality not known.

BESCH: parts to help build a container port; available.

Binkowski: of interest to British collectors if only for superb models of the Queen Elizabeth and Queen Mary as wartime troopships.

BM: various German merchant and auxiliary warships over the period 1857 to 1960; about 20 models produced including one UK vessel, the 1950 passenger ship Moreton Bay.

BS: mainly modern German merchants available only from Galerie Maritim (see Annex A); first two releases were the containerships Carolina (1991) and Contship Lavagne (1995); BS 4 is the containership Trave Trader (1994).

B/V: German post-war merchantmen; about 30 different; nothing further known.

Collecta: these models seem to be mainly 'modern' (1980s/90s) sailing ships although COLL 01 is a 1993 Indonesian passenger vessel, the Ceremai and 05 the 1994 containership Hamburg Express; also includes the 'Sottpuster' series: 19th century merchantmen such as the British freighters Dryden and Gulf of Ancud.

Copy: this new series using the old Copy name features mainly Russian warships from the late 1800s/early 1900s, with six models released so far.

Dedo: originally only German modern tugs but more recently the 1994 Ro-Ro Fichtelberg (ex Spirit of Dublin).

DH: German WW2 minor warships.

DOESEMA (aka Seagate) : first three releases are the drilling rig Galaxy I in various configurations, fourth is the 1978 crane ship Balder. The models are hand built in brass and aluminium and not likely to be widely available.

EH: just over a dozen ships listed of various European nations, including five 19th century Austrian auxiliaries; amongst the most modern is the soviet icebreaker Kapitan Sorokin.

Eneris: medium quality resin models including a couple of merchants and a number of RN warships and auxiliaries from the 1960s and 1970s, as follows – Invincible, Fearless, Lion, Bristol, Lynx, Leander, Amazon, Ton class, Torrent, Eddyfirth, Reclaim; these particular models are probably available second-hand only, although Eneris are still active; current models are of a higher quality. More recently Eneris have been producing models in metal especially on behalf of Waterline International (nee Italia), e.g. tanker Olterra.



Eneris Olterra

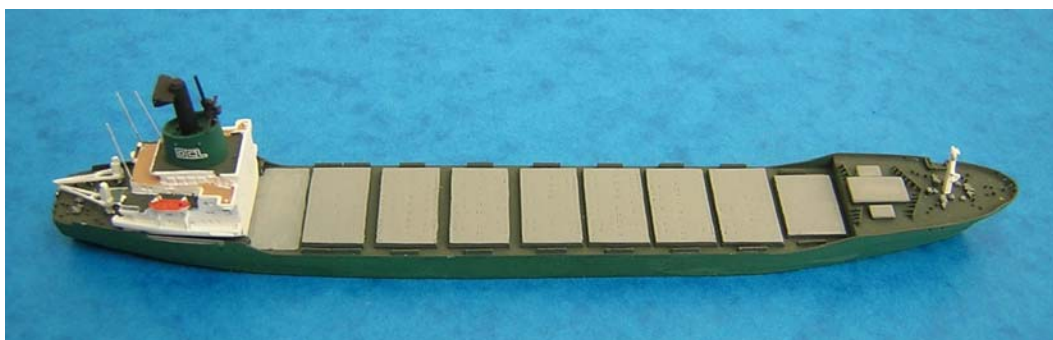
Foerde: German naval auxiliaries of WW2, the majority converted merchant ships, and Sperrbrecher (blockade runners). Many are camouflage painted and the overall standard has been assessed as 'Hansa plus'.

Fuchs: modern German merchantmen, FU 15 is the Anita, 1952; most recent is the tug Oceanic, 1968 (FU 27).

Galerie Maritim S: a small series of early German merchantmen produced especially for the shop of the same name.

GEM: new in 1995 with their first release being the Cutty Sark, 1870; second model is the Thermopylae, another tea clipper, followed by the Sagres, a Portugese training ship dating from 1961. Currently listed are 8 German vessels with the American Thomas S. Lawson (1902) due next.

Granat: a fairly random selection, probably ships of particular interest to the manufacturer; GB collectors might like the 1983 tug Maersk Cutter and OCL's container ship Encounter Bay; the latter has been released in two versions with different funnels.



Granat Encounter Bay

GS: a variety of models and accessories virtually all from the early 1900s and all German; availability poor.

H2O: French and American ironclads; also modern and WW2 submarines; only a few models to date although H2O 11 is listed as Empire MacAndrew, 1942 British Merchant Aircraft Carrier. The models are made of resin.

H and B: highly detailed small range of mainly WW2 era Japanese auxiliaries; most well known is the liner Hikawa Maru in three guises – merchant, hospital and repair; available.

Hammonia: a large listing of German merchant vessels from the turn of the century to the present day; seemingly unobtainable, quality unknown.

Herpa: three plastic ship models – container ships Frankfurt Express & Evergreen and modern cruise liner Europa; just the Evergreen in current production; standard good.



Herpa Europa

HF: mainly Japanese, Italian and American submarines of WW2.

Hydra: Baltic coastal ferries and new in 1997/98 British ferries Halladale (1950), Shepperton Ferry (1935) and Twickenham Ferry (1935). This range is believed to be out of production.

Intug: modern Belgian tugs.

Iskra: mainly resin cast models of modern USN amphibious warfare types, ships and aircraft, also 1987 Dutch oil platforms Smit Semi 1 and 2, quality medium but readily available.

JB: 1930s and 40s German patrol craft.

JK: Japanese merchantmen circa early 1940s.

Klabauterman: Danish ferry Djursland and a couple of German liners, all from the 1950s; recent releases have been modern Swedish and Finnish merchants and ferries with P & O's St Clair (ex Peter Pan) available in three versions/colour schemes showing the ship's appearance in 1975, 1980 and 1987. For British enthusiasts Kla 013 is the 1997 ferry Stena Explorer (now listed as Stena HSS 1), Kla 16 is the Pride of Balbao and 26/26a the European Highway. Their X series covers modern French warships, e.g. Floreal and Georges Leygues with the battleship Jean Bart, circa 1949 listed as X 4 and CVN Charles De Gaulle, which is now available, as X 5.



Klabauterman Georges Leygues

KM: various Kriegsmarine seagoing torpedo boats, minesweepers and the auxiliary Togo as a supply ship, raider (re-named Coronel) and radar ship; also the raider Pinguin.

Kreis: inexpensive range of harbour accessories, mainly buoys as used in German harbours and waterways during different eras; available.

Laiva: a new range specialising in polar exploration vessels, namely (to date) Fram, Groenland and Gauss.

LH: a small range of merchantmen available either as kits or assembled and painted; GB ships produced are the coastal freighter Cornish Trader (1920) and the Britannia dating from 1840.

MaRu: as the name implies, primarily Japanese merchant ships from WW2, but also British and German types; smaller models are metal, others are resin.

MK: a minute range of just a dozen modern merchant ships (none British), plus a single 'special' model 1960 paddle steamer Kaiser Wilhelm; quality excellent.

Mowe: new in 1994; first model is the German tug/tender Retter (Norddeutschen Lloyd, Bremen 1885), second/third two incarnations of the German 1902 freighter Andree Rickmers.

Nautik: a new series devoted mainly to modern tugs and harbour craft, first four releases are all German vessels.

Navalis Moguntia: Catalogue number GG44 is a superb model of Finnish icebreaker Fennica (1993); later models are modern Finnish ferries such as the Mariella, 1996

Nordica: 1989 Norwegian ferry Konprinz Harald in either Color or Jahre Line colours, Silja Line ferries Svea (1985) and Wellam (1986) with more of the same planned.

Nord-Ostsee: (also known as Nordsee-Ostsee Kanal or NOK) small eastern bloc merchant ships to be seen in the Kiel Canal; reportedly some of the vessels also find their way to GB east coast ports.

Old Salt: one release to date – Glenachulish, 1993 British ferry.

Omega: minor warships spanning the period 1910 to 1945, with the following British vessels – Grey Goose, LCT4, MGB75, MTB205, destroyer HMS Whitehall (all WW2); also British tugs HS 15 type (1917), Manchester (1920, ex HS 15), Sturdy (1912) and Joffre (1916 with the Lawson Steam Tugboat Co. Ltd & as in 1949 owned by Batey Tugs Ltd); believed to be available.

Optatus: mostly French and British ironclads; also Japanese destroyers from WW2. British ships are HMS Warrior (1861), HMS Ocean (1865), HMS Royal Oak (1863), HMS Shannon (1887), SS Great Britain (1845) and the Britannic both as a liner (1874) and a transport (1899). Some recent specials, to Neptun standard, are the IJN carriers Taiho and Katsuragi. In 1999 Optatus, in parallel with Argos, released USS Truxton and are intending to cover at least 20 more modern USN ships. All four Virginia class CGNs are available. Also listed at one stage were the cruisers Texas, South Carolina, Belknap, Bainbridge and Little Rock, all of which have been produced in the past by the likes of Trident Alpha, Delphin and Hansa but are increasingly difficult to find and will not be the quality of these later releases.



Optatus re-issue of Sextant Oriana

Padermodelle: Various OSVs and icebreakers, also 1986 Boeing jetfoil in the livery of different owners and America's Cup yachts including Camper & Nicholson's Endeavour (1989).

Pharos: a range of German and Danish light ships and lighthouses plus a model of the Needles, both rocks and lighthouse; available.

Pontos: German ships Lagune (out of production) and Antuco (not yet released); nothing more known.

Poseidon: a medium size range, unfortunately out of production, but which did include several British merchant ships; quality not known:

Antenor	1924	Blue Funnel	liner	Franconia	1937	Cunard	liner (white hull)
Glenberg	1936	Glen Line	freighter	Carinthia	1938	Cunard	liner (black hull)
Port Fairy	1937	Port Line	freighter	Denbighshire	1939	Glen Line	freighter

Quadrant: Resin models made in France; very detailed, well painted. Initially French warships, mainly destroyers, from the period 1955 to date; nearly 40 listed but only 13 released to date and all variations of the T47. The destroyers seem to have been abandoned in favour of a few larger vessels e.g. USS Franklin D Roosevelt (1960s appearance) and TCD Foudre, the former complete with a full deck load of aircraft and vehicles. Also produced USS Lafayette (1942), USS Shangri-La (CVA 38), USS Newport News (CA 148), the CVN Charles de Gaulle and 38 various post-war USN submarines.



Quadrant Foudre

RA: a mixture that includes British ferry Forde (1928) and a Russian monitor from 1865, also Swedish 19th century monitors. About a dozen models are currently catalogued, including a ‘Gibel Tarik’ listed as a British ferry circa 1919.

Red Tape: French ships of the line 1790 – 1810 period; latest is #3 Redoutable, 1805.

Remo: U boat bunkers – Elbe II at Hamburg, also Trondheim, Lorient, Kiel and La Rochelle.

RFR: modern merchants – Reefers, Ferries and RO-Ros; including the 1985 British OSV Cam Guardian and the St Helena (1990), a small freighter/passenger ship which operates between the UK and the island St. Helena, via Tenerife and Ascension; also to be released shortly a series of British ferries – Free Enterprise VI, 1985 (RFR6), Pride of Sandwich, 1989 (RFR6A), Viking Venturer, 1974 (RFR7), Viking Valiant, 1986 (RFR7A), Pride of Le Havre, 1989 (RFR7B) and Pride of Cherbourg 1989 (RFR7C).

Rostocker Schiffsminiaturen: a newish series from the former DDR; to date some 20 sailing vessels from the Herzogin Cecilie (1902) to the Greif (ex Wilhelm Pieck) (1991), also some modern merchants to a very high standard.

Sailing Maritime: sailing ships, for example – Sea Cloud (1982), Sovereign of the Sea (1852) and Padua (1926).

Schiff & Schiene: modern Swedish ferries, for example Frans Suell and Diana II (both 1992).

Seaborne: German offshore support vessel (OSV) types.

Sedina: various German merchant ships dating from the Siegfried (1904) to the Marienburg (1944); also the latter in Russian hands circa 1948 as the Lensowjet; available.

Seestern: catalogue no. SEE 14 is the royal yacht Victoria & Albert in 1901; available, but nothing else known.

Sirene: highly priced, extremely limited availability series of resin models produced in Belgium – modern warships and auxiliaries, icebreakers and more recently merchantmen (nothing British); quality excellent.



Sirene Durance

Smaers: small range of resin merchant-ship models, including at least one British – Harbledown 1933 owned by J & C Harrison.

Stauffenberg: a small range of models normally only available at collectors meetings in Germany; solitary examples seen are the old protected cruiser HMS Imperieuse and the 1995 release HMS Alexandra (1887). SM20 is the armoured cruiser Rurik.



Stauffenberg HMS Imperieuse

U9-Modelle: 1930 – 1940 era German support vessels such as tugs and icebreakers.

UVM: various modern Norwegian and Swedish merchantmen including at one point Fred Olsen's Black Prince (1992 appearance).

Vagel Grip: mainly East German merchant ships; 32 catalogued and seemingly all available. A typical release is the 1994 ferry Neustrelitz, a former East German vessel.

Vindebona: a range of 27 modern European merchant ships; just one British ship – 1967 bulk freighter Pacific Bridge. Originally only available at meetings in Germany, and very probably only those local to the producer. Now being issued by Optatus including the Pacific Bridge.



Klabautermann Charles de Gaulle

CHAPTER 4 OTHER OVERSEAS MANUFACTURERS

INTRODUCTION

Although the bulk of overseas model manufacturing occurs on the continent, there are a few producers further afield. Having established this division, several firms in this chapter are clearly European, but have been included because, like most of the other distant overseas manufacturers, the models are intended for a wargaming/modelling rather than collecting market. A brief history of the hobby in the USA follows, based on information provided by Californian collector Paul Jacobs.

Waterline 1/1200 model production in the USA probably commenced in the early 1940s when various 'tool and die' companies started to manufacture Naval Recognition Models. The best known of these companies were Comet, South Salem, Bessarabis and Framburg. Comet issued a large line although many of their early models were quite crude. For example their first 'Nachi' was poorly detailed and incorrectly scaled but interestingly did show the cruiser in her 1932 configuration; their later version was much improved and survives today as a Superior model. Comet's models varied widely in quality with some being obvious copies of Wikings or Tremos. Following Comet's take-over of South Salem some of the former's models were issued with the South Salem name on their boxes. South Salem or Bessarabis, or possibly both, made a number of USN auxiliaries; these are popular with collectors but are now virtually impossible to find. Known examples are Pyro, Holland, Medusa and Henderson with the latter at least being copied by Superior. Comet continued production for both official and domestic customers until about 1961, although the name Authenticast was used for the last few years. Model boxes sometimes had both names and were also very colourful with a printed picture of the ship modelled within. When production ceased all remaining stock was offered up for sale with a lengthy list dominated by 1/500s but also including the following:

- 1942 Japanese Merchant Fleet, 1 complete set representing all merchant ships of Japan
- 1-1200 waterline, 50 ships all different, in 2 cases - \$500
- 1959 Russian ships and satellites (hand made)
- 1-1200 waterline, 35 ships, all different - \$350

Around 1963/64 a group of collectors acquired the Comet-Authenticast and Framburg moulds and launched Superior with an ambitious programme of re-worked originals and brand new models. Many of the models were cleared aimed at collectors with many esoteric types such as Japanese minelayers. In the 1970s Superior were taken over by Alnavco and the emphasis of the models changed to wargaming.

Returning to Framburg, their models were of uniform quality, very accurately scaled and of a very hard metal akin to Triangs. Paint finish was unimpressive. Production probably ceased in the mid-1950s although unlike Comet no post-war ships were modelled. Ship collecting in the USA today is mainly for wargaming and 1/2400 has become the preferred scale with a wide variety of excellent models available. Thus domestic production of 1/1200s is in decline although at the time of writing Superior, as described below, are still in production.

GRIFO (ITALY)

White metal kits (not many parts) of WW2 warships, which apart from a few indifferent submarines, are all Italian. The models are 1/1200 scale and to a wargaming standard but, when available, were priced accordingly. Best of the range are Italian heavy and light cruisers; also produced were destroyers, sea-going torpedo boats and a single battleship, the Vittorio Veneto. Production seems to have long since ceased.



Grifo Trento

KIWI (NEW ZEALAND)

A large range of British Empire/Commonwealth merchant ships and warships from the 20th century. 1988 prices were from £12.50 to £25 including air mail postage. The models are cast in polyester resin and to quote the catalogue 'it is

often difficult to get the plastic to run into the intricate parts of the mould' – this would perhaps account for the quality of the models as those which have been seen in the UK to date are singularly unimpressive and poor value. Kiwi need to invest in a vacuum chamber. In recent years Kiwi seem to have faded away and their models rarely if ever emerge at swapmeets.

KONISHI (JAPAN)

The current Konishi catalogue lists over 70 models including WW2 IJN warships, submarines & aircraft, passenger ships from the period 1898 to 1991, modern merchants and Japanese Maritime Self Defence Force (JMSDF) destroyers. It is understood that a commemorative Battle of Tsushima set is also being produced, initially for display, but thereafter as retail items. The IJN selection covers all five classes of battleship – Yamato, Mutsu, Kongo, Fuso (listed but possible not yet released) with the Ise class shown both before and after conversion to battleship/carrier; eight aircraft carriers – Shokaku, Zuikaku (same class), Hiryu, Soryu, Shinano, Junyo, Kaiyo and Akagi. Mutsu and Yamato both set records for main gun calibre on completion with, respectively, the first 16” (in 1920) and the first full outfit of 18”, in three triple turrets (1940). Shinano was converted during construction from a Yamato class battleship and was one of only two Japanese carriers, the other being the Taiho, to have an armoured flight deck. Earmarked for future release is the fleet carrier Kaga.



Konishi IJNS Shokaku

All four main classes of IJN heavy cruiser (Myoko, Takao, Tone and Mogami), comprising 14 actual ships, are present with a total of 15 models listed. Apart from the Maya and Chokai which are shown as in 1944 and three of the Mogamis, all the ships are depicted as in the period 1938 to 1941. The four strong Mogami class features two as first completed circa 1935 with fifteen 6.1” guns (triple turrets), two with a revised armament of five twin 8” in 1939 and lastly the Mogami herself as converted to a seaplane carrier in 1943. Of light cruisers only the Tenryu is currently available but this model, showing the ship during the 1930s (albeit not significantly different from completion in 1919) is unique to Konishi. Listed for future release is the cruiser Oyodo. Akizuki, Kagero and Fubuki class destroyers, torpedo boat Chidori, and I16 and I400 submarines form the remainder of the range. The Akizukis were the last class of IJN fleet destroyer and, unlike earlier types, carried a heavy anti-aircraft gun armament and half the usual torpedo fit with just one quad mount. The I400 was a huge seaplane carrying submarine, in 1942 the world’s largest submarine, with I16 a specialised attack boat mounting a heavy torpedo armament and able to carry a midget submarine on deck. IJN completists might also like to look at Trident (see earlier).

For most collectors, Neptun and, to a lesser extent, Trident are perhaps the preferred sources for IJN models but there is a certain collectability in having Japanese-made models of Japanese ships. Most of the vessels are supplied in overall grey, although of the aircraft carriers at least, Zuikaku is supplied with a black, brown and green deck camouflage and both Akagi and Shinano have brown decks. The planes listed are Jake, Pete, Val, Kate and Zeke (Zero) as a fighter or fitted as a floatplane. Remaining models are listed below (* signifies not yet released).

LINERS			MERCHANT		
901	Fuji Maru	1989	1101	Humber Bridge	container ship 1988
902	Sanfurawa	1972	1102	Senshu Maru	tanker 1984
903	Hikawa Maru	1947	1103	Toluca	container ship 1991
904	Nippon Maru (old type)	1977	1104	Katsuragi	container ship 1991
905	Nippon Maru	1990	1105	Yamashiro Maru	freighter 1963
906	Kamakura Maru	1935	1106	Banshu Maru	LNG Tanker 1983
907	Queen Elizabeth II	1983	1107	Chevron North America	ULCC Tanker 1976
908	Hitachi Maru	1898	1108	LNG Flora	LNG Tanker 1993
909	Argentine Maru	1938	1109	Cupid Arrow	Bulker 1995
910	Asama Maru	1929	JMSDF		
911	Crystal Harmony	1990	1001	Amatsukaze	missile destroyer 1965
912	Asuka	1991	1002	Shirane	helicopter destroyer 1980
913	Michelangelo	1965	1003	Tachikaze	missile destroyer 1976
914	Tenyo Maru	1908	1004	Hatakaze	missile destroyer 1985

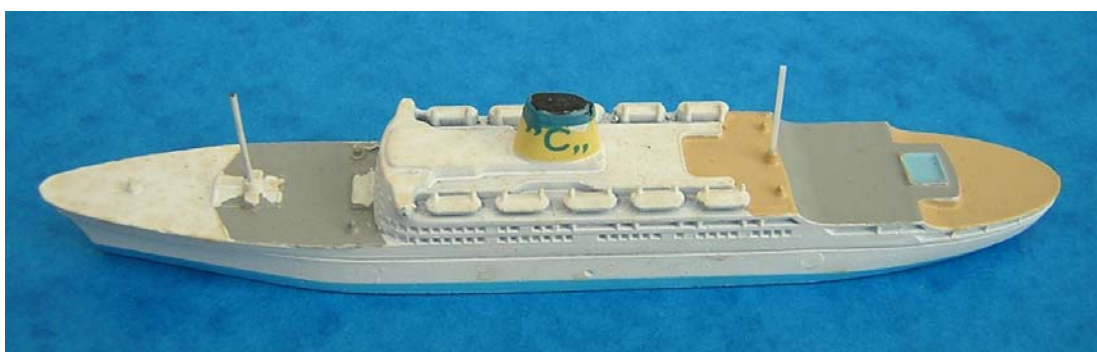
Konishi 1/1250 models (other than IJN)

MERCURY (ITALY)

Die-cast 'Triang' style range composed mainly of post-war Italian liners and a solitary warship, the 1930s light cruiser Montecuccoli; now only available second-hand (models are 1/1200). The full story of Mercury including details of each model is documented in a 1994 booklet written by Michele Morciano.

Michelangelo/Raffaello	1965		Leonardo Da Vinci	1960	black hull
Fulvia	1970	ex Oslofjord	Leonardo Da Vinci	1966	white hull
Flavia	1971	ex Media	Victoria	1961	ex Dunnottar Castle
Enrico C	1967	ex Provence	Bianca C	1960	ex Arosa Sky
Eugenio C	1966		Franca C	1961	ex Medina
Australia	1963		Andrea C	1961	ex Ocean Virtue
Andrea Doria	1953		Anna C	1961	ex Southern Prince
Fredrico C	1958		Montecuccoli	1935	light cruiser
Venezuela	1956	ex De Grasse	Cristoforo Columbo	1954	

Mercury 1/1200 Releases



Mercury Fulvia

METAL MINIATURES (USA)

Basically wargamers models covering most major navies of the 20th century; indifferent and inconsistent quality, and difficult to obtain (no credit card payment). Main interest is that some of the range are copies of early Comet and Framburg models.

MIDWAY MODELS (USA)

A small range of WW2 USN auxiliaries and submarines cast in resin; production is believed to have ceased although the masters may have been passed to Clydeside.

MINISHIP (SPAIN)

Some Spanish warships and merchantmen produced by a firm called Angulplas in 1/1200; in the style of Triang but of inferior quality; also produced essentially Triang harbour parts; only now available on the second hand market.



Angulplas Santa Maria

PILOT (DENMARK)

A Danish contemporary of Wiking who produced an extensive range of warships and merchantmen; quality was similar to Wiking. Much more recently Pilot are thought to be the manufacturer of promotional models of DFDS/Scandinavian Seaways ferries; the latter are not to a constant scale and typically are about 1/1000.

PYRO (USA)

A small number of plastic kits, including some Eagle re-issues; see Chapter 5 for full details.

SOUTH SALEM COPIES (USA)

The best way to describe this make is to quote the manufacturers own words ‘ Below is the list of 1/1200 Scale Resin Waterline Ship Models I make. I got started when a friend showed me his boxed set of South Salem merchant ship models. I found that these models were very difficult to find (never mind the price for originals) so he let me copy them to make resin models for my own collection. I decided to offer those that were not re-made by Comet or Superior to anyone else who might want a copy. I tell people that these aren’t the best ship models I can make, but are the best copies of the original South Salem models I can make

Number 1 Cruiser USS Olympia. This model of Admiral Dewey’s Flagship at Manila Bay is a true 1/1200 scale. It is fully assembled, painted white, buff, wood, and gray as the ship is now displayed in Philadelphia, and mounted on a base. Overall gray “Manila Bay” versions available by special order.

Resin Reproductions of Rare WWII ID Models NOTE: prices are given as “Finished/Raw castings”. Finished models have wire masts similar to WW II ID models and have been cleaned up, primed, sanded, painted gray and are mounted on a blue plastic base as per the photo. “Raw Castings” are just that—A complete set of castings, with minimal cleanup, no wire masts, and no base. Prices vary because in some cases it takes three pourings to make a full set of parts.

Number 2 “Modern Freighter-Split Bridge”. This is a model of the standard British and Canadian-built “Fort” and “Park” type freighter. Unique to 1200 Models.

Number 3 “Passenger, New (2 Stacks)”. Based on the rare South Salem ID Model #1, this ship has been identified as the famous Japanese liner “Asama Maru.”

Number 4 Cruiser USS Portland, CA-33. An exact reproduction of the South Salem ID model, this historic cruiser is not available from any other source in 1/1200 scale.

Number 5 “Passenger, New (1 Stack)” Based on South Salem ID Model #2, this ship represents the Japanese Passenger ship Argentina Maru launched in 1939 or her sister Brazil Maru. This ship is not available from any other source.

Number 6 “Passenger, Old” This model, based on South Salem #3, has not yet been positively identified, but may represent a smaller English liner. This model is not available from any other source.

Number 7 “Standard Freighter, Old” Developed from South Salem #6, this model is an American tramp steamer of the “Lake” type.

Number 8 “Combination Passenger/Cargo, New” Based on South Salem #11, now identified as Goyo Maru.

Number 9 “Whaler” The South Salem Merchant ID model #16 represented the prewar whaler Nisshin Maru #2.

Number 10 “Passenger, Coastal” This small passenger steamer is the well-known Peking Maru.

Number 11 “Engine Aft Cargo Ship”(S.S. #9) Reproduction of South Salem ID model of the Nagisan Maru.

Number 13 “Tanker, Old” Another South Salem ID model (#13) identified as San Diego Maru.

Number 14 “Trawler” South Salem’s smallest model (#15), this little jewel is the ubiquitous Japanese trawler.

Number 15 USS Medusa, AR-1. This model is based on the extremely rare Bessarabis ID model of the Medusa, probably as she was about 1939. Fore and aft masts/booms on finished model are based on photos of Medusa, not the model.

Number 16 “Ols Three-Island Freighter”. Originally thought to be “Biyo Maru” but now believed to represent the British Standard “A” or “B Type” freighter.

Models to Come: CVE-1 USS Long Island, CV-1 Langley (the “Covered Wagon” with open hangar deck), “Tanker, Modern” Based on South Salem #12, now identified as Teiyo Maru and “Combination Passenger/Cargo, Old” (S.S. #10), the Kashima Maru.

SARATOGA MODEL SHIPYARD (SMS) (USA)

A now well established manufacturer whose first model was the 1931 tug Magaud, a French naval type which also saw service in the British, German and Italian Navies during WW2 – a utility vessel if ever there was. The model is nicely cast in resin, fully painted with fine wire mast and davits. The range is now up to #21 (USS Canopus) and is just about equally divided between American and French vessels. Some examples illustrating the scope of SMS are USS Nitro (AE2, as in 1938), FNS Chateaufort (1902 cruiser) and USS New York (CA2, 1898). The range is available via Wiedling whose website (see Annex A) has the latest information.

SUPERIOR (USA)

Perhaps the original wargamers series encompassing all the major navies of WW2 and to a very limited extent the Royal and Imperial German Navies of WW1; produced in a chunky 1/1200 originally assembled and grey painted but now as kits. Address of the manufacturer and other suppliers are given in Annex A.



Superior USS Alaska

GREAT LAKES MODELS (USA)

Great Lakes models have a small series of 1/1200 models – each available hand painted or in a decorative gold finish including Edmund Fitzgerald, Milwaukee Clipper, 600’ Bulk Freighter, a Diesel Tug and a Steam Tug

Motion Technologies had a series of ornamental models (seemingly now produced now by Great Lakes Models). The original models were cast in pewter or bronze, some were hand painted, others were given an antique finish.

No longer available are Louis Girard Models (aka Chicago Models, aka Paperweight Models); presumably these are now quite collectable.

450’ Great Lakes Bulk Freighter	Great Lakes Crane Ship – 2 Cranes
550’ Great Lakes Bulk Freighter	Edmund Fitzgerald
600’ Great Lakes Bulk Freighter – 2 Deck Fwd Cabins	John Ericsson – Whaleback Bulk Freighter
600’ Great Lakes Bulk Freighter – 3 Deck Fwd Cabins	Milwaukee Clipper – Great Lakes Passenger
600’ Great Lakes Self-Unloader – 2 Deck Fwd Cabins	Roger Blough = Great Lakes Modern Freighter
600’ Great Lakes Self-Unloader – 3 Deck Fwd Cabins	South American – Great Lakes Passenger Cruise Ship
Amoco Great Lakes Tanker	Diesel Tug
City of Grand Rapids Excursion and Freight Steamer	Steam Tug
City of Milwaukee - Cross Lake R.R. Car ferry	Viking – Great Lakes Cross-Lake R.R. Car ferry
Coast Guard Icebreaker	

My thanks to GLM for the information presented here.

USA MODELS (USA)

These are cast in resimetal with white metal parts and are available in the UK from Martin Brown and from Wiedling where they are listed as SMS. Currently available are HMS Incomparable, WW1 projected battlecruiser, USS Langley as a seaplane carrier, projected French battleship Lyon, Spanish 1937 heavy cruiser Canarias with future releases given as various projected warships - 1946 German M class light cruiser, 1924 Japanese battlecruiser Amagi, 1945 French

battleship Alsace, 1930 battleship USS South Dakota and last but absolutely not least 1940 battleship HMS Lion. Most if not all of the models are available from MB as both completed models or kits.



Youngerman French battleship Lyon

YOUNGERMAN (USA)

These are resin models available in either kit form or completed of warships from the period 1910 – 1960; the subjects are frequently ships which are not commonly modelled or which are just hard to find. Some example are Etna Italian WW2 AA Cruiser, HMS Ben My Chree Seaplane Carrier 1915, Tre Kronor Swedish Cruiser 1955 and USS Juneau II AA Cruiser.

SCHERBAK (USA)

These are 1:1250 resin models of contemporary cruise ships available fully painted and in display cases. Of interest to British collectors would be Cunard's Queen Mary 2 and Queen Victoria (seen below in company with CM-KR's QE2), plus P&O's Ventura.



Scherbak & CM-KR cruise liners

CHAPTER 5 PLASTIC KITS

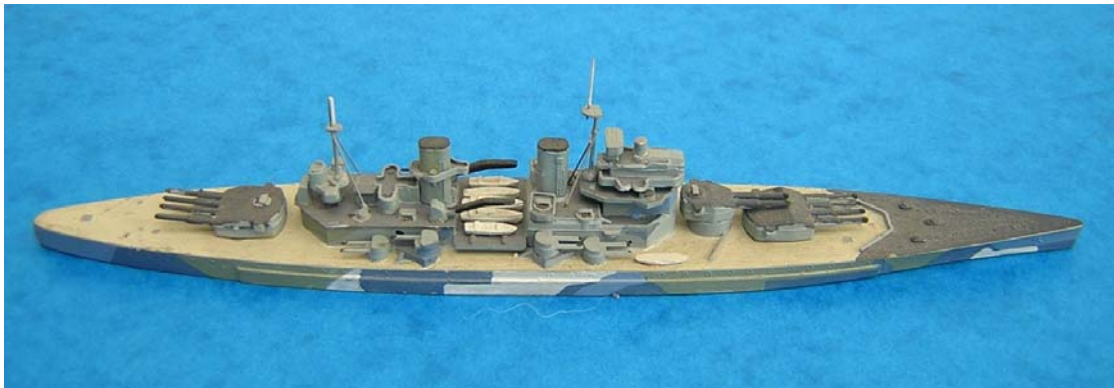
INTRODUCTION

Although primarily a guide to cast metal or resin ships, the plastic construction kit has an important place in the history of the hobby, if only because many collectors started with this sort of model. In the early days 1/600 was the most common scale with Airfix the most likely source. The huge variety of 1/700s, mainly from Japan, gave a boost to plastic ship modelling, although as with 1/600s space for storage of the finished item is often at a premium. Thus for building fleets, either for display or perhaps wargaming, the smaller 1/1200 or so-called 'international recognition' scale, has no equal. As regards kits, the scale was first addressed by Eagle and as befits this founding company they have their own section in this chapter. Eagle were complemented by a few releases from the American firm Pyro who eventually bought the Eagle moulds and released 8 of the models under their own name. Pyro seem to have been taken over by Lifelike, who continued to produce the various original models but, as far as is known, never re-issued any of the Eagles. The second section of this chapter, imaginatively entitled 'Other Makes' encompasses Pyro/Lifelike, Airfix, Heller, Nichimo, Bachmann and Casadio, the latter's masters having been used from time to time by Almark, Revell, ESCI, Modelpower and MPC.

Recent developments have included several new liners from Revell and the impressive Hobbyboss series of USN models.

EAGLE

Produced in the early to mid-1960s, Eagle were 1/1200 scale plastic kits and although designed as waterline models, lower hull sections were provided giving many possibilities for dry dock dioramas. The models were marketed in a number of 'Battle Series', each dealing with a particular naval battle of WW2; thus Series 1 covered the Battle of the River Plate and comprised models of the German pocket battleship Graf Spee and the cruiser Exeter, Ajax and Achilles. These last two were both light cruisers of the Leander class and Eagle in fact provided the same kit in two different boxes, with different sets of instructions. This was quite common with the net result that Eagle succeeded in issuing 42 kits from a total of only 30 moulds. Some of the smaller kits were also sold several to a box. Eagle adopted the approach, albeit only very occasionally, of providing extra parts to enable a particular kit to be converted to other similar ships – an example of this is the H class destroyer which included the additional parts to make F and I class ships. Some of the model masters were also re-worked with improved detail, one example of this being the King George V class battleship.



Eagle HMS King George V

Series 2 comprised just two ships, the RN destroyer Cossack and the German tanker Altmark, and not surprisingly was entitled 'The Capture of the Altmark'. The kit of the German ship later re-appeared in two other series, firstly as a British oil tanker and secondly as the Nordmark. Series 3 dealt with the Narvik battles of the Norwegian campaign and provided HMS Hardy (H class leader with extra 4.7" gun amidships), the H class destroyer already mentioned, HMS Kimberly, the battleship HMS Warspite and German destroyers of the Maass and Von Roeder classes. The Warspite kit correctly depicted the ship as modified between the wars, which of course made her substantially different from her four original sister ships. This subtlety was unfortunately missed or perhaps deliberately ignored by Eagle when they released Valiant at a later date. The hull of the Warspite was however basically sound and Warspite kits have formed the basis of very successful conversions to the other four Queen Elizabeths, all five R class and even the Chilean Almirante Latorre!

Series 4, which was released in about 1963, was the first example of multiple kits being provided in a single box and comprised 5 releases associated with the Battle of the Atlantic. This series was also the first example of a kit being listed for release but never actually issued – in this case the escort carrier HMS Campania. German vessels in the series consisted of five U-boats – Types XXI, Ixc, IX, VII and II – in a single box, and the submarine depot ship Saar and tender (ex-minesweeper) Acheron, again in a single box. Allied participants were the Altmark/Nordmark masquerading as a British oil tanker, which in fact the latter did become in 1945 when she transferred to the white ensign as HMS Bulawayo, and two boxes containing HMS Balfour (Captain class DE) plus HMS Allington Castle (corvette), and HMS Peacock (Black Swan class sloop) plus HMS Lilac (Tree class trawler). Incidentally the Bulawayo survived until 1956 and was one of the few fleet replenishment ships to be operated by the RN rather than the RFA.

The next series, number 5, was the most ambitious so far, and addressed the sinking of the German battleship Bismarck in 1941. The series was listed to include eventually a total of 15 ships, two German and the remainder British although ultimately only seven were issued. Both German ships, namely the Bismarck and the heavy cruiser Prinz Eugen were produced, as were HMSs Victorious (aircraft carrier), Prince of Wales and King George V (battleships – same kit) and Dorsetshire and Norfolk (County class heavy cruiser – same kit). Listed but not released were HMSs Ark Royal, battleship Rodney, battlecruiser Hood, the cruiser Suffolk (which incorrectly would probably have employed the existing County class kit) and finally four Tribal class which would have been repeats of the Series 2 kit. The Polish manned N class destroyer Poirun which took part in the actual battle was omitted. In the end it was necessary to wait until the mid-1970s to complete the Bismarck episode when Airfix filled most of the gaps and HMS Nelson was available from ‘Superior’ (see Chapter 4).

Series 6 which was planned to cover the sinking of the Scharnhorst must have been researched to represent the scene of the battle on 27 December 1943, because the German battlecruiser and her escorting destroyers were nowhere to be seen. In fact the only release was HMS Duke of York and this was a simple re-packaging of the King George V class battleship from the Bismarck set. Had it been completed Series 6 would have provided both Belfast and Sheffield class cruisers and S class ‘war emergency’ destroyers. At the time these were major omissions from the fleets of most collectors and would have been more than welcome. Series 7 was a bit of a ‘catch-all’ concentrating on German ships associated with commerce raiding, namely Tirpitz, Hipper, Nordmark, Admiral Scheer and Lutzow. The first three of these were duplicates of earlier kits (Bismarck, Prinz Eugen and Altmark respectively) although some examples appeared different in that the moulds were beginning to show signs of wear by this time. The two pocket battleships, however, were completely new kits and each featured a unique bridge arrangement, different again from the Series 1 Graf Spee. Series 7 was called ‘Fighting Merchantmen’.

Series 8 was entitled ‘the Battle of Matapan’ and for the first time was to include ships other than British and German. The Italian ships listed, namely the battleship Vittorio Veneto and heavy cruisers Zara, Fiume and Pola, which were just part of the force at sea when the battle took place, were sadly never produced and British Empire ships were also few in number, comprising HMSs Valiant (same kit as Warspite), Formidable (same kit as Victorious) and the light cruisers HMS Orion and HMAS Perth. For these two the original Ajax/Achilles kit was resurrected and whereas this was acceptable for the Orion, the Australian ship, although a derivative of the Leander class, had a markedly different appearance – two funnels instead of one. Listed but not produced were the battleships Barham and Warspite, and the cruisers Ajax and Suffolk. Had they been released these models would most likely have been re-boxed versions of earlier kits although the three old battleships, in spite of being from the same class, were all different, and significantly so, by WW2. Series 8 was the final battle series issued by Eagle and thereafter just one kit was produced, the German battlecruiser Gneisenau. This was released in a plastic bag and marketed under the name ‘Eaglewall Tabletop Navy’.

Series 1	Battle of the River Plate		set of (	HMS Balfour	escort destroyer
	Admiral Graf Spee	pocket battleship	2 (	HMS Allington Castle	corvette
	HMS Exeter	heavy cruiser	Series 5	Sinking of the Bismarck	
	HMS Ajax	light cruiser		Bismarck	battleship
	HMS Achilles	light cruiser		Prinz Eugen	heavy cruiser
Series 2	Capture of the Altmark			HMS Dorsetshire	heavy cruiser
	HMS Cossack	destroyer		HMS Norfolk	heavy cruiser
	Altmark	tanker		HMS King George V	battleship
Series 3	Battle of Narvik Fjord			HMS Prince of Wales	battleship
	HMS Warspite	battleship		HMS Victorious	aircraft carrier
	H class	RN destroyer	Series 6	Sinking of the Scharnhorst	
	HMS Hardy	destroyer leader		HMS Duke of York	battleship
	HMS Kimberly	destroyer	Series 7	Fighting Merchantmen	
	Von Roeder class	destroyer		Admiral Scheer	pocket battleship
	Maass class	destroyer		Lutzow	pocket battleship
Series 4	Battle of the Atlantic			Nordmark	tanker
(	U2529	Type XXI		Admiral Hipper	heavy cruiser
(	U1231	Type Ixc		Tirpitz	battleship
set of 5	U38	Type IX	Series 8	The Battle of Cape Matapan	
(				HMS Valiant	battleship
(	U27	Type VII		HMS Formidable	aircraft carrier
(	U59	Type II		HMS Orion	light cruiser
set of (	Saar	sub depot ship		HMAS Perth	light cruiser*
2 (	Acheron	submarine tender		Eaglewall Tabletop Navy	
	Oil Tanker	British		Gneisenau	battlecruiser
set of (	HMS Lilac	trawler		*model actually RN Leander	
2 (	HMS Peacock	sloop			

What can be said in summary of the Eagle range? They were directed at the schoolboy end of the market and in their time were virtually the only small scale waterline models of WW2 warships readily available in the UK. Typical prices were 1/11 (about 10p) and 2/11 (about 15p) and at the time they were much more affordable than the relatively expensive Triangs. Some of the kits were not overly accurate in detail but then there was nothing like the volume of published reference information that we take for granted today. Perhaps Eagle's finest hour was the RN H class destroyer and the Illustrious class fleet carrier; one other point that must be made is that as plastic 1/1200 (or 1/1250) scale kits, the scope of the range has never been equalled, nor is likely to be. All Eagle releases are catalogued below.

OTHER MAKES

Pyro/Lifelike

Pyro issued a variety of models with different ships names but in the final analysis only four different kits of WW2 vessels were produced – IJNSs Yamato and Shokaku, USSs Essex and South Dakota/North Carolina. The Essex class carrier was by far the best of these; Yamato had a triple 6.1” turret to starboard and multiple AA guns to port, an unlikely configuration (half way through her refit perhaps); the Shokaku, well at least she looked Japanese and was quite sought after at the time; the American battleship possessed the funnel arrangement of the North Carolina class and the length of the South Dakotas. Nevertheless the models were acceptable to the wargaming community, and could also provide the basis of modelling and conversion projects. The following table lists the models concerned by ship name, with the original Pyro and subsequent Lifelike catalogue numbers; the former were issued in plastic bags and the latter in boxes. It is not known whether Lifelike covered all the original named Pyros.

PYRO	LIFELIKE		Note	PYRO 'Eagles'	
C-384	09401	USS Hornet	1	C-376	HMS Victorious
C-385	09402	USS North Carolina	2	C-377	HMS Warspite
C-386	09403	IJNS Yamato	5	C-378	HMS King George V
C-387	09404	IJNS Syokaku	3, 4	C-379	HMS Prince of Wales
C-388		USS Essex	1	C-380	KM Bismarck
C-389	09406	USS Washington	2	C-381	KM Prinz Eugen
C-390	09407	USS Lexington	1	C-382	HMS Norfolk
C-391		USS South Dakota	2	C-383	HMS Dorsetshire
C-392		IJNS Musashi	5		
C-393		IJNS Zuikaku	4		
C-394		USS Yorktown	1		
C-395		USS Massachusetts	2		

Pyro/Lifelike Plastic Kits

- Notes 1: same kit, i.e. an Essex Class aircraft carrier.
- 2: same kit, unfortunately a mix of the South Dakota/North Carolina classes as described above.
- 3: Syokaku was the spelling on the kit instruction sheet.
- 4: same kit.
- 5: same kit.

Almark/Casadio/Revell

In 1973 the publishing company Almark distributed a limited series of 1/1200 scale models manufactured by Casadio of Italy, including WW2 Japanese and American battleships and carriers and an Italian battleship. These moulds have indeed done the rounds, the models having been marketed by Almark, ESCI, Modelpower and MPC in the USA, Casadio themselves and currently Revell, who in 1999 actually issued a new model, the liner Titanic (full hull). The range has also been expanded to include German and British battleships and tantalisingly Casadio packaging in the mid-1970s made mention of a number of model that ultimately never materialised (see table below). The Casadio versions were offered assembled, in effect plugged together, in a plastic bubble pack. Apart from being rather high out of the water, these models are most acceptable, ideal for wargaming and a goldmine of spare parts for the modifier/scratchbuilder.



Airfix Prinz Eugen as the Blucher

Casadio/ Revell	USS Enterprise	aircraft carrier	Bismarck	German battleship
	USS Yorktown	aircraft carrier	Tirpitz	German battleship
	USS Hornet	aircraft carrier	Scharnhorst	German battlecruiser
	USS Missouri	battleship	Gneisenau	German battlecruiser
	USS Iowa	battleship	HMS King George V	battleship
	USS Wisconsin	battleship	HMS Prince of Wales	battleship
	USS New Jersey	battleship	HMS Duke of York	battleship
	IJNS Yamato	battleship	Littorio	Italian battleship
	IJNS Musashi	battleship	Impero	Italian battleship
	IJNS Shinano	aircraft carrier	Vittorio Veneto	Italian battleship
Revell	Titanic	liner (rel 1999)	Queen Mary liner	(rel 2008)
	Aida	1996 cruise liner		
	Queen Elizabeth II	liner (rel 2003)		
	Catalogued, but un-released:			
	USS Forrestal	aircraft carrier	USS F.D. Roosevelt	aircraft carrier
	USS Ranger	aircraft carrier	Jean Bart	French battleship
	USS Saratoga	aircraft carrier	Richelieu	French battleship
	USS Independence	aircraft carrier	Clemenceau	aircraft carrier
	USS Coral Sea	aircraft carrier	Foch	aircraft carrier
	USS Midway	aircraft carrier	HMS Ark Royal	aircraft carrier



Revell Queen Mary 2 (box art)

Airfix

In the late 1970s Airfix came to the 1200 arena for the first time and it looked if the fine tradition established by Eagle was to be resumed. Their first two releases, Hood and Bismarck, enjoyed a mixed reception, but subsequently Ark Royal, Suffolk and Prinz Eugen were widely and justifiably praised, even if the Tribal class destroyers were not. With the German cruiser in particular, Airfix showed what modern technology could achieve and it is sad to record that the range

was now complete. If only Airfix had appreciated that by producing an Illustrious class carrier, rather than the one-off Ark Royal, they would probably have sold six times as many models; similarly with a little extra effort a multi-part County class cruiser kit would have tempted modellers to buy kits for twelve different ships and possibly even attempt the 13th and heavily modified vessel, HMS London. The models were a boon to modellers and collectors alike – cheap, generally accurate and a good source of spares – but you are left with the feeling that so much more could have been achieved with a little analytical market research!

Airfix	HMS Hood	battlecruiser	Tribal class	RN destroyer
	HMS Ark Royal	aircraft carrier	Bismarck	German battleship
	HMS Suffolk	heavy cruiser	Prinz Eugen	German heavy cruiser

Heller et al

There is also a Chinese made plastic kit of the CVN USS Enterprise in 1/1200 scale. Reportedly with a little work it can be as good as any of the Trident Alpha carriers, and much better than the TA version (model T1) which is underscale. As of early 1999, the kit is available through the Floating Drydock.

To complete this brief 1/1200 plastic model survey, mention must also be made of the modern French warships Jeanne d’Arc, Colbert and Suffren (nearly 1/1200) from Heller, USS Enterprise (CVAN) from Nichimo in their 30cm series, and finally the US-produced ‘Bachmann Miniship’ USS Arizona which was a clip together battleship model that included a detachable lower hull section, ideal for dry dock dioramas. The Heller models were available until fairly recently and it may still be possible to find the Enterprise on the back shelves of a model shop; Nichimo also produced several models of Nimitz class CVNs but these are about 1/1100 scale & unlike the Suffren the difference is very noticeable.



Bachmann Miniship USS Arizona

In the late 1950s/1960s the American firm Renwal produced various plastic models that were reportedly 1/1200; entitled US Navy Miniatures these are listed below:

Series #1		Series #2	
Destroyer	Barry	Heavy Cruiser	Canberra
Battleship	Washington	Attack Cargo	Rankin
Missile Submarine	Patrick Henry	Attack Transport	Navarro
Series #3		Series #4	
Destroyer	Sullivans	Frigate	Dewey
Aircraft Carrier	Hornet	Light Cruiser	Galveston
Destroyer Escort	Wm. T. Powell	Tank Landing Ship	Eddy County

Apparently they were also sold as mixed TASK FORCE kits too: US Navy Task Force “A” model kit (#6300) includes 6 ships: USS Canberra, USS Navarro, USS Washington, USS Eddy County, USS Barry and USS Rankin.

Hobby Boss

An impressive new series of 1/1250 models which may be built waterline or full hull. Models released at the time of writing are listed below.



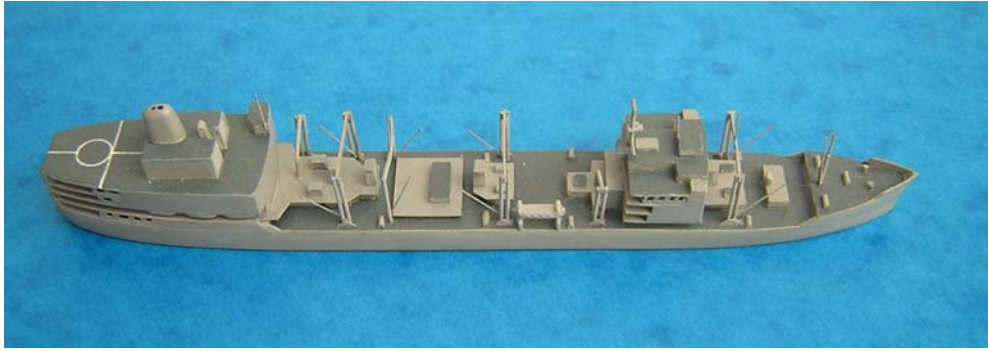
USS Ticonderoga	CG-47	USS Spruance	DD-963 (as built)
USS Vincennes	CG-49 (lighter mast)	USS Harry W Hill	DD-986 VLS added)
USS Princeton	CG-59 (VLS)	USS Arthur W Radford	(trials ships
		USS Kidd	Kidd class

Scratch Building

Many people complete their collections, or indeed base their entire collections, using scratch built models and in the introduction several books covering this were mentioned. With enthusiasm and skill, plus a variety of objects from the spares box just about anything is possible. All to be done here is illustrate an example using a tower by Hansa and BP decal from a model car shop.



Scratchbuilt Oil Rig



Scratchbuilt RFA Resource

ANNEX A: USEFUL ADDRESSES

UK:

- Len Jordan: Sunny Home, Whitchurch Hill, Pangbourne, Berks RG8 7PG
Clydeside: 7, Dalbeth Road, Glasgow G32 8PY
Dreadnought Models: 26, Gilkicker Rd, Gosport, Hants
(dealer, handles Skytrex, Superior, Ensign, Clydeside, Carat; also secondhand stocks)
Ensign: Robinson Imports, Agincourt, 15 Orchardville, Bangor, County Down BT19 1LP, Northern Ireland.
- Mountford Metal Miniatures: 14 Cherry Tree Drive, Duckmanton, Chesterfield S44 5JL
Noble Miniatures UK: 2 Canterbury Close, Basingstoke, Hampshire, RG22 4PW
(UK dealer for CAP AERO/Figurehead) (rclewer@nobleminis.com)
Skytrex: Unit 3, Canal Bank, Loughborough, Leics LE11 0HF
Solent Mini Ships: 2 Glencarron Way, Bassett, Southampton SO16 7EF
(assembly/painting service for LJ models)
Martin Brown: 5 Highworth Close, High Wycombe, Bucks HP13 7PJ (www.waterline-ships.co.uk)
(dealer, handles MBM, SMS, Mountfield, Hai (kits & assembled), 'new' Triang (can help with all Triang – models & info))
- Antics: 49 High Street, Stroud, Gloucs GL5 1AN
(suppliers of Navis/Neptun/Albatros) (www.shipmodels.co.uk)
Wirral Miniature Ships: 24 Broadland Road, Great Sutton, Ellesmere Port CH66 2JS (0151 3552125)
- Overseas:
- Alnavco: Box 9, Belle Haven, Virginia 23306, USA (www.alnavco.com)
(distributor for 'Superior')
- Erich Breustedt: Inh. Dipl.-Ing. U. Muller, Schilfkampweg 13, 31311 Uetze-Hanigsen, Germany (www.ships1-1250scale.de)
(dealer)
Collectio Navalis: Goethestr. 78 10623 Berlin Germany (www.collnav.de)
(dealer)
- CSC: Postfach 150309, 23525 Travemunde, Germany (www.classic-ship.de)
(manufacturer/also mail order)
- Galerie Maritim: Martin Luther Strasse 21, 20459 Hamburg, Germany (www.galerie-maritim.de) (this site has many useful links)
(dealer, new & secondhand)
- Hamburger Rundbrief: Hamburger Rundbrief GbR, c/o Bernd Schwarz, Kattunbleiche 6, 22041 Hamburg, Germany
(collectors magazine, German language)
- Quadrant: Alain Picouet, 31 Avenue Colombo 'Villa Vega', 06000 Nice, France
Christian Schmidt: Sauerbruchstrasse 10, 81377 Munich, Germany (www.christian-schmidt.com)
(dealer)
- Sea Vee Models: Sean Pritchard, 41 Route De Moissun, 87200 Saint Junien, France
(www.seaveemodels.com).
- Snyder and Short Enterprises: 9175, Kiefer Blvd #224, Sacramento CA 95826, USA
(for warships paint chips)
- South Salem Copies: Wayne E. Moyer, 3261 Lantz Rd., Beavercreek, OH 45432, USA
(wmoyer@infinet.com)
- L. Wiedling: Dr Max Strasse 29, 82031 Grunwald, Germany (www.wiedling.de)
(dealer)
- Waterline Italia: C/o Francesco de Grenet, Case Franchi, 53010 Ville di Corsano, Siena, Italy
(franzgren@tin.it)
(collectors' society, with journal 'Waterline International')



Mountford HMS Kent (CA)

ANNEX B: MODEL LISTINGS

Note: details of most current models are available in manufacturers' listings and dealers' catalogues, particularly those produced by L. Wiedling; this Annex is therefore limited to Len Jordan's fine models, Triang (of course) plus British ships from Albatros; many of the latter have been deleted and they must be the definitive source of metal models of British ships.

Len Jordan Models (to Oct 2008)

	Merchantmen	(prefix M)	61	Eboe	1952	Elder Dempster	
1*	Agamemnon	1929	Blue Funnel	62	Arabic	1956	Shaw, Savill & Albion
2*	Glenroy	1939	Glen Line	63	Wanderer	1951	T & J Harrison
3*	Baron Renfrew	1935	Hogarth	64	Crofter	1951	T & J Harrison
4*	Springbank	1924	Bank Line	65	Cable Restorer	1961	Commercial Cable Co.
5	Kensington Court	1924	Court Line	66	Bendoran	1956	Ben Line
6*	Robert L. Holt	1926	John Holt & Co.	67	Bronte	1979	Lamport & Holt Line
7*	Adrastus	1920	Blue Funnel	68	London Grenadier	1972	London & O'seas Freighter
8*	Imperial Star	1935	Blue Star	69	Cairngowan	1952	Cairn Line
9*	Rhexenor	1945	Blue Funnel	70	Port Hobart	1946	Port Line
10	Beaverdell	1945	Canadian Pacific	71	Empire Star	1946	Blue Star Line
11a	City of Poona	1943	Ellerman Lines	72	Wairangi	1946	Shaw, Savill & Albion
11b	Black Prince	1943	Prince Line	72a	Empire Hope	1942	Armed version of 72
11c	Empire Paragon	1943	Armed – MOWT	73	Cedarbank	1976	Bank Line
12	Tactician	1927	T & J Harrison	74	Clan Shaw	1950	Clan Line
13	Forts & Oceans	39/45	Standard ships	75	Clan Sutherland	1951	Clan Line
14	Empire B	39/45	Standard ships	76	Flamenco	1950	Pacific Stm Nav Co.
15*	Waiwera	1934	Shaw, Savill & Albion	77	Urbino	1919	Ellermans Wilson
16*	Patroclus	1923	Blue Funnel	78	Santa Elisa	1941	Grace Lines
17	Doxford econ.	35/40	various	79	Ivernia	1963	Cunard
18*	Brastagi	1937	Rotterdam Lloyd	80	Merchant	1964	T&J Harrison
19	Ismailia	1941	British India	81	David Livingstone	1929	Elder Dempster
20*	City of Canterbury	1922	Ellerman Lines	82	Prometheus	1967	Blue Funnel
21*	Clan Cameron	1937	Clan Line	83	Priam	1967	Blue Funnel
22*	Clan Cumming	1943	Clan Line	84	Ruddbank	1979	Bank Line
23*	Amarapoorra	1938	B & B Steam Nav. Co.	85	City of Plymouth	1978	Ellerman
24*	Amarapoorra	1943	hospital ship	86	Crown Prince	1978	Prince Line
25*	Australia Star	1935	Blue Star	87	Afric Star	1975	Blue Star
26*	Malabar	1935	Brocklebank	88	King Charles	1952	King Line
27*	Umgeni	1950	Natal Line	89	Steel Age	1920	Isthmian
27*	Winneba	1957	Elder Dempster	89a	Mobile City		Armed version of 89
28*	Clunepark	1928	J & J Denholm	90	Kantara	1947	Moss Hutchinson
29	Lombardy	1913	Royal Mail Lines	91	S A Waterberg	1978	Safmarine
30*	Uskvalley	1929	Uskside SS Co.	92	Port Huon	1965	Port Line
31*	Jenny	1917	J. Lauritzen	93	Achilles	1948	Blue Funnel
32	Brisbane Star	1936	Blue Star	94	City of Oxford	1949	Ellerman
33	Machaon	1957	Blue Funnel	95	Hornby Grange	1947	Houlder
34	Korea	1939	East Asiatic Co.	96	Manistee	1920	Elders & Fyffes
35	Rochester Castle	1937	Union Castle	97	Herefordshire	1972	Bibby
36	Barlby	1962	Ropner Shipping Co.	98	Pampas	1940	Royal Mail
37	City of Melbourne	1957	Ellerman Line	99	Pacific Northwest	1951	Furness Withy
38	Dorset	1934	Federal Stm Nav Co Ltd	100	Asia	1947	Cunard
39	Explorer	1935	T & J Harrison	101	Maidan	1943	Brocklebank
40	Owestry Grange	1952	Houlder Lines	102	Western Prince	1955	Prince Line
41	Port Chalmers	1933	Port Line	103	Clan Forbes	1937	Clan Line
42	Almeria Lykes	1940	Lykes Brothers	104	Clan Lamont	1944	LCI(L)
43	Greystoke Castle	1948	Lancashire Shipping Co	105	Manapouri	1968	Federal S. N. Co
44	Eastern Prince	1950	Prince Shipping	106	Wellington Star	1950	Blue Star
45	Chungking	1950	China Navigation Co.	107	Daru	1958	Elder Dempster
46	Harbledown	1932	J & C Harrison	108	Mary Kingsley	1930	Elder Dempster
47	Liberty ship	39/45		109	Saxonia	1969	Cunard
47a	Liberty ship	39/45	armed version	110	Silverpalm	1929	Silver Line
48	Innesmoor	1925	Runciman & Co	111	Westland (SD14)	1975	Holland Lloyd
49	Abbekerk	1946	C3-S-A5 type	112	Glenogle	1962	Glen Line
50	Santa Anita	1945	Grace Line	113	Orange Star	1975	Ex Andalucia Star
51	Nailsea Moor	1937	E. R. Management	114	City of Exeter	1974	Ellerman Lines

52	Dahomey Palm	1937	Palm Line	115	Laurentia	1947	Donaldson Line
53	Victory ship	1944	VCS-2-AP2 type	116	Beacon Grange	1973	Furness Withy
53a	Victory ship	1944	Armed version of 53	117	Mystic	1958	Shaw Savill & Albion
54	Greenwich	1943	Watts, Watts & Co.	118	American Ranger	1944	US Shipping
55	Houston City	1942	Reardon Smith Line	119	Magnolia State	1944	US Shipping
56	Avriston	1942	Strick Line	120	Victoria City	1955	Reardon Smith
57	Soudan	1948	P & O	121	Darlington Court	1936	Court Line
58	Sunda	1949	P & O	122	Glenmoor	1953	Runciman
59	Loch Gowan	1954	Royal Mail	123	Agidia	1962	Anchor Line
60	Clarkspey	1960	H Clarkson & Co	124	Zeeland (Type C3)	1946	Rotterdam Lloyd

	Tankers	(prefix T)		5	Ohio	1940	Texas Co.of New York
1	San Demetrio	1938	Eagle Oil	6	Ohio	1942	(armed)
2*	Regent Tiger	1946	Bowring	7	London Loyalty	1954	London & Overseas Ftrs
3	T2 type	1942- 44	post-war to Shell, Esso, Eagle Oil	8	British Commando	1942	British Tanker Co
4	T2 type	1942 -45	(armed)	9	Empire Chapman	1942	MOWT

	Liners (prefix L)			22	Leicestershire	1950	Bibby
1*	Rawalpindi	1925	P & O	23	Hilary	1931	Booth SS Co.
2*	Ausonia	1921	Cunard	23a	HMS Hilary	1942	LSI(HQ)
3*	Vandyck	1921	Lamport & Holt	24	Rajula	1926	British India
4*	Reina Del Pacifico	1931	Pacific Steam Navigation Co.	25	Excalibur	1948	American Export Lines Inc.
5*	Alcantara	1925	Royal Mail Steam Packet Co.	26	Empress of Britain	1956	Canadian Pacific
6*	Euripides	1914	Aberdeen Line	27	Canton	1938	P & O
7*	Llandovery Castle	1925	Union Castle Line	28	Waratah	1908	Blue Anchor Line
8	Lancashire	1917	Bibby	29	Reina del Mar	1956	Pacific Steam Co.
9	Lancastria	1920	Cunard	30	Reina del Mar	1964	Union Castle
10	Cameronia	1920	Anchor Line	31	Victoria	1965	P & O
11	Dilwara	1936	British India	32	Umgeni	1935	Bullard King
12	Albertville	1948	Compagnie Maritime Belge	33	Camito	1952	Elders & Fyffes
12	Anselm	1935	Booth Lines (from L12)	34	Nothern Star	1962	Shaw Savill
13	Iberia Star	1963	Blue Star	35	Strathmore	1937	P & O
14	Gothic	1948	Shaw, Savill & Albion	36	Orcades	1937	Orient Line
15	Aureal	1951	Elder Dempster	37	Mauretania	1937	Cunard White Star 1939
16	Athenic	1947	Shaw Savill & Albion	38	Aragon	1906	Royal Mail
17	Nestor	1913	Blue Funnel	39	Nova Scotia	1947	Furness Withey
18	Stirling Castle	1936	Union Castle	40	Rohna	1926	BI Steam Navigation
19	Empress of Japan	1930	Canadian Pacific	41	City of Port Elizabeth		Ellermans
20	Media	1947	Cunard	42	Arcadia	1954	P&O
21	Remuera	1948	New Zealand Shipping	43	President Wilson	1948	American President Lines

	Armed Merchant Ships (prefix K)			9	City of Durham	45	Deck load of trains
1	Liberty Ship	44	MOWT	10	Empire Bombadier		Armed tanker
2	Inventor	42	Deck load of LCUs	11	HMS Hilary		LSI(HQ)
3	Nailsea Court	41	Deck load of aircraft	12	Rohna		troopship
4	Empire Allenby	44	Deck load of MT & trains	13	Empire Magpie		
5	Victory Ship	44	Deck load of MT	14	Empire Hope		
6	Mauretania	44	Troopship	15			
7	Empire Day	42	Deck load of MT & a/c	16	Rapana		MAC
8	Clan Lamont	44	LSI(L)	17	Ranpura		AMC

* indicates currently not in production.

Triang

Ocean Liners

M701	RMS Caronia	M710	RMS Sylvania
M702	RMS Queen Elizabeth	M711	RMS Carinthia
M702S	RMS Queen Elizabeth (special clear view display)	M712	NS Savannah
M703	RMS Queen Mary		Carmania (modified M708)
M703S	RMS Queen Mary (special clear view display)		Franconia (modified M709)
M704	SS United States	M713	SS Antilles
M704S	SS United States (special clear view display)	M714	SS Flandre
M705	RMS Aquitania	M715	RMS Canberra
M705S	RMS Aquitania (special clear view display)	M716	MS Port Brisbane

M706 SS Nieuw Amsterdam
M707 SS France
M707S SS France (special clear view display)
M708 RMS Saxonia
M709 RMS Ivernia

Miscellaneous Ships and Vessels

M721 HM Yacht Britannia
M721H HM Yacht Britannia hospital ship
M722 SS Isle of Jersey
M723 SS Isle of Guernsey
M724 SS Isle of Sark
M726 Pilot Ship
M727 Life Boat
M728 PS Britannia
M729 PS Bristol Queen
M730 PS Cardiff Queen
M731 Tug

RN Warships

Battleship
M741 HMS Vanguard
M741S HMS Vanguard (special clear view display)

Aircraft Carriers

M751 HMS Bulwark
M752 HMS Centaur
M753 HMS Albion
-- HMS Albion, commando carrier

Cruisers

M761 HMS Swiftsure
M762 HMS Superb

Fleet Escorts

M771 HMS Daring
M772 HMS Diana
M773 HMS Dainty
M774 HMS Decoy

Destroyers

M779 HMS Alamein
M780 HMS Jutland
M781 HMAS Anzac
M782 HMAS Tobruk

M717 MS Port Auckland
M718 RMS Amazon
M719 RMS Arlanza
M720 RMS Aragon

M732 SS Varicella (oil tanker)
M733 TSS Vikingen (whale factory ship)
M734 Whale chaser
M735 Light Vessel Sunk
M736 Light Vessel Shambles
M737 Light Vessel Cork
M738 Light Vessel Varne
M739 Light Vessel St. Gowan
M740 Barge (for use with M731 Tug) – not produced
M743 St. Germain (train ferry) – not produced

Guided Missile Destroyers

M783 HMS Hampshire
M784 HMS Kent
M785 HMS Devonshire
M786 HMS London

Frigates

M787 HMS Vigilant
M788 HMS Venus
M789 HMS Virago
M790 HMS Volage
M791 HMS Whitby
M792 HMS Torquay
M793 HMS Blackpool
M794 HMS Tenby

Minesweepers

M799 HMS Repton
M800 HMS Dufton
M801 HMS Ashton
M802 HMS Calton
M803 HMS Picton
M804 HMS Sefton
M805 HMS Upton
M806 HMS Wiston

Miscellaneous Ships

M810 HM tug Turmoil
M817 HM submarine A class
M818 HM submarine A class reconstructed

Harbours, Accessories and Scenic Effects

M827 Breakwater, straight
M828L Breakwater, angle left
M828R Breakwater, angle right
M829 Breakwater, end
M836 Quay straight section
M837 Cranes unit
M838 Storage tanks unit
M839 Customs shed
M840 Warehouse
M841 Ocean Terminal
M842 Swing bridge, complete
M843 Ocean Terminal extension
M844 Lock gates (pair)
M846 Lifting bridge, complete

M847 Pier, straight
M848 Pier, entrance
M849 Pier, head
M853 Factory
M854 Tanker wharf, straight
M855 Tanker wharf, berths
M857 Sea plastic 26" X 26"
M858 Sea plastic 52" X 52"
M861 Life boat station, complete (for use with M836, 847 or 849)
M878 Lighthouse
M880 Whale
M882 Beacon
M884 Statue of Liberty
M885 Floating Dock

Ship Presentation Sets

M891 RMS Queen Elizabeth Set
M892 SS United States Set
M893 RN Carrier Task Group Set

M894 Royal Yacht Britannia Set
M895 SS Nieuw Amsterdam Set

Albatros – British Ships

Merchantmen (catalogue numbers prefixed AL); * signifies in production, italics not yet released (at the time of writing).
N after the catalogue number signifies that a new version has been released.

6	Orbita	1915	liner	Pacific Steam Nav. Co.
7	Brighton	1933	ferry	Southern Railway
8	Romanby	1927	freighter	Ropner
9	Kent	1918	freighter	Federal Line
10	Knight of Malta	1929	liner	Cassar
11	Pembroke Coast	1936	freighter	Coast Lines
14	Manchester Regiment	1922	freighter	Manchester Lines
15	Port Townsville	1935	reefer	Port Line
22N	Aorangi	1924	liner	Union SS Co New Zealand.
23	Almeda Star	1926	cargo liner	Blue Star Line
28	Lady Nelson	1928	liner	Canadian National
29	Princesse Marguerite	1925	liner	Canadian Pacific Railway
30	Comorin	1924	liner	P & O
31	Winchester Castle	1929	liner	Union Castle Line
33	Alsatian	1913	liner	
33a	Empress of France	1919	liner	Canadian Pacific
36N*	Highland Chieftain	1929	liner	
38	Cavina	1924	liner	Elder & Fyffes
39	Atlantis	1930	liner	Royal Mail Line
42	Canberra Star	1956	reefer	Blue Star Line
43N	Transylvania	1925	liner	Anchor Line
43a	Caledonia	1925	liner	Anchor Line
46	Calshot	1930	tender	Royal Mail Steam Packet Co.
48	Glaucus	1921	freighter	Blue Funnel Line
53	Matua	1936	freighter	Union Line, Australia
55	Arundel Castle	1921	liner	Union Castle Line
57	Lloydsman	1971	tug	United Towing
61	City of Nagpur	1922	liner	Ellerman Line
62	Vandyck	1932	liner	Lamport & Holt
66	City of Benares	1936	liner	Ellerman Line
67	Euripides	1914	liner	Aberdeen Line
70	Seaforth Clansman	1977	diving support	Seaforth
71	Virginian/Victorian	1905	liner	Allan Line
72	Awetea	1936	liner	Union SS Co. New Zealand
73	Carmania	1967	liner	Cunard
73b	Saxonia	1953	liner	Cunard
74	Ingoma	1918	liner	Harrison
74b	Ingoma	1913	liner	Rennie
78	Jamaica Planter	1936	reefer	Jamaica Banana Prod. SS Co.
79	Windsor Castle	1939	liner	Union Castle Line
83N*	Delius	1937	freighter	Lamport & Holt
85	Princess Maud	1934	ferry	British Railways
88	Uganda	1967	liner	British India
90	Stratheden	1937	liner	P & O
92	Gorgon	1933	freighter	Holt Line
94	Princess Victoria	1939	ferry	British Railways
95	Dilwara	1936	liner	British India
98	St Sunniva	1931	ferry	G. Western Railway
99	Patricia	1938	tender	Trinity House
105	Aquitania	1914	liner	Cunard
107	Port Jackson	1937	freighter	Port Line
108	Bulolo	1938	liner	Burns Philp & Co.
110	Sea Goddess	1990	cruise ship	Cunard
111	Tuscan Star	1930	cargo liner	Blue Star Line
117	Romsey	1925	tender	Cunard
118	Skrimisher	1900	tender	
123	Reina Del Pacifico	1931	liner	Pacific Steam Nav. Co.
125	Chusan	1950	liner	P & O
126	Circassia	1937	liner	Anchor Line
127	Naldera	1920	liner	P & O

128	Empress of Asia	1913	liner	Canadian Pacific
129	Queen of Bermuda	1933	liner	Furness, Withy & Co.
130*	Prince David	1930	liner	Canadian National Steamship
134	Andes	1960	liner	Royal Mail Line
134a	Andes	1939	liner	Royal Mail Line
135	Cunard Countess	1974	cruise liner	Cunard
136	Strathnaver	1931	liner	P & O
136a	Strathaird	1948	liner	P & O
137*	Roslin Castle	1935	reefer	Union Castle Line
138	Doric	1923	liner	White Star
139	Orcades	1935	liner	Orient Line
139a	Orion	1935	liner	Orient Line
140	Arandora Star	1936	cargo liner	Blue Star Line
144N	Almanzora	1919	liner	Royal Mail Line
145	Norman	1894	liner	Union Line
146	Worcestershire	1931	liner	Bibby Line
147	European Trader	1976	ferry	Townsend Thoresen
148*	Dunnottar Castle	1936	liner	Union Castle Line
149	Karitane	1939	freighter	Union SS Co. New Zealand
150	Olympic	1911	liner	White Star Line
150a	Titanic	1912	liner	White Star Line
150b	Britannic	1914	hospital ship	
151	Pretoria Castle	1948	liner	Union Castle Line
159	Scot	1896	liner	Union Line
160	Orna	1938	freighter	British India
163	Oceanic	1899	liner	White Star
166*	Mauretania	1922	liner	Cunard
166a	Mauretania	1933	liner	Cunard (with white hull)
166b*	Mauretania	1915	hospital ship	Cunard
167	Lusitania	1907	liner	Cunard
168	Wahine	1913	liner	Union SS Co. of New Zealand
169	Omrah	1899	liner	Orient
170	Rangitoto	1949	liner	New Zealand Line
171	City of Rome	1881	liner	Anchor Line
172	Dominion Monarch	1939	liner	Shaw Savill
173	Saxon	1900	liner	Union Steam Ship Co.
174	Devonshire	1939	liner	Bibby Line
175*	Queen of the Channel	1935	ferry	
176*	Scythia	1921	liner	Cunard
177	Carnarvon Castle	1926	liner	Union Castle
177A	Carnarvon Castle	1952	liner	Union Castle
178	Westralia	1929	liner	Huddard Parker Ltd, Melbourne
179	Corinthic	1947	liner	Shaw, Savill & Albion
179A	Athenic	1953	liner	Shaw, Savill & Albion
180*	Windsor Castle	1960	liner	Union Castle
181	Port Dunedin	1925	freighter	Port Line
182	Rangitata	1929	liner	New Zealand Line
183	Malines	1922	ferry	
184	Duchess of Bedford	1928	liner	Canadian Pacific
184a	Empress of France	1948	liner	Canadian Pacific
185	Arcadia	1954	liner	P&O
186	Golfito	1949	liner	Elder & Fyffes
187	Metagama	1915	liner	Canadian Pacific
188	Kedah	1927	liner	Straits Steamship Co.
189	Amazon	1960	liner	Royal Mail Line
192	Seaforth	1939	freighter	Elder Dempster
193	Duntroon	1935	Passenger ship	Melbourne SS Co.
193A	Abosso	1935	Passenger ship	Elder Dempster
194	Tuscania	1922	Passenger ship	Anchor Line
194A	Lancastria	1943	liner	Anchor Line
195	Athelmonarch	1950	tanker	Athel Line
196	Centaur	1963	freighter	Alfred Holt & Co.
197	Irisbank	1930	Passenger ship	Bank Line
203	Port Montreal	1937	Freighter	Port Line

204	Magnetic	1891	Tug	
205	City of Bombay	1937	Liner	Ellerman
207	Norwave	1965	Ferry	North Sea Ferries
208	City of Johannesburg	1947	freighter	Ellerman
209	Orontes	1929	Liner	Orient Line
209a	Orama	1938	Liner	Orient Line
209b	Orama	1924	Liner	Orient Line
210	Devonia	1962	liner	British India
221	Kenya	1955	liner	British India
221a	Kenya		Liner	Black hull
223	Nevasa	1956	Troop ship	British India
223a	Nevasa		School ship	British India
234	Viceroy of India	1929	Liner	
239	Empress of India	1931	Liner	

Modern Warships and Auxiliaries (*italics signifies not yet released; ALKs 72 72A, & 82 only deleted*)

ALK70	Britannia, royal yacht	ALK89	Roysterer, RMAS tug
ALK71	Uganda, as hospital ship	ALK90	Charles Darwin, research ship
ALK72	HMS Illustrious	ALK91	HMS Challenger
ALK72A	HMS Ark Royal	ALK92	HMS Carron
ALK72B	HMS Illustrious (post 1994 refit)	ALK93	HMS Norfolk
ALK72C	HMS Invincible (post 2003 refit)	ALK94	HMS Sandown
ALK72D	HMS Illustrious (post 2007 refit)	ALK95	HMS Polar Circle
ALK73	HMS Resolution	ALK95A	HMS Endurance (ex Polar Circle)
ALK74	HMS Trafalgar	ALK96	HMS Ocean
ALK75	HMS Vigilant (SSBN)	ALK97	HMS Peacock
ALK76	HMS Leeds Castle	ALK98	HMS Hermes, 1982
ALK77	HMS Brecon	ALKZ03	Sea Harrier
ALK78	HMS Bulldog	ALK300	HMS Vanguard, 1946
ALK79	HMS Endurance (ex Anita Dan)	ALK301	HMS Tiger, 1959
ALK80	HMS Broadsword	ALK302	HMS Daring, 1952
ALK80A	HMS London	ALK303	HMS Rothesay, 1960
ALK80B	HMS Cumberland	ALK304	HMS Albion, 2003
ALK81	HMS Bristol	ALK304a	HMS Bulwark, 2004
ALK82	HMS Manchester	ALK305	Hurst Point (charter)
ALK82A	HMS Edinburgh	ALK306	HMS Daring (2007)
ALK83	HMS Glasgow	ALK307	River Class (2005)
ALK83A	HMS Exeter	ALK308a	HMS Astute
ALK84	HMS Cleopatra (Leander - Exocet)	ALK308b	HMS Astute (full hull)
ALK84A	HMS Arethusa (- Ikara)	ALK308c	HMS Astute (under construction)
ALK84B	HMS Andromeda (Sea Wolf)	ALK309	RFA Largs Bay
ALK84C	HMS Achilles (Leander - gun)	ALK310	RFA Fort Victoria
ALK85	HMS Glamorgan	ALK310a	RFA Fort George
ALK85A	HMS Kent (as built)	ALK311	HMS Echo
ALK86	HMS Active	ALK312	RFA Wave Ruler
ALK87	HMS Orkney	ALK313	RFA Diligence
ALK88	HMS Hecla	ALK314	RFA Argus
ALK88A	HMS Hecla, as hospital ship		

Albatros - Other British Vessels

AL30a	Comorin	1939	AMC	ALK117	Windsor Castle	1940	troop ship
ALK108	Windsor Castle	1940	troop ship	ALK120	Cilicia	1943	AMC
ALK109	Lady Rodney	1941	troop ship	ALK121	Carnarvon Castle	1943	AMC
ALK111	Philante	1940	armed yacht	?	Arundel Castle	1921	transport
ALK113	Aquitania	1916	hospital ship				
ALK114	Lady Nelson	1940	hospital ship				
ALK115	Prince Albert	1941	landing ship	ALB12A	Euroman	1972	tug
ALK116	Atlantis	1940	hospital ship	ALB16A	Statesman	1969	tug



Albatros HMS Kent (DLG)

Trident Alpha - American Ships

All major warship and auxiliary models are listed below with their original T catalogue numbers; * signifies in current production up until the line ceased in 2002, those in italics are believed to be not yet released and certainly not available (at the time of writing). The date is the year at which the ship is depicted. The classifications given are a combination of those in the Ta catalogue and from Silverstone (US Warships since 1945) and should allow the ship being modelled clearly to be identified.

1	Enterprise	CVAN	1965	162*	McConnell	DE-163	1943
2	Albany	CAG	1963	163	Harold E Holt	FF	1975
4	Garcia	DE-1040	1964	164	William M Wood	Gearing FRAM	1974
5*	Razorback	SSK	1964	170	Helena	CA	1965
7	Northampton	CLC-1	1953	171*	Acme	MSO-528	1965
8	Achelous	ARL-1	1950	172*	Towhee	AGI	1968
11	Brooke	DEG-1	1966	173*	Greenville Victory	AK	1960
19*	Alcona	AK	1945	174*	John Adams	SSBN	1970
28	Pillsbury	DE-133	1957	180	ABSD 1	Dry dock	1945
33*	Short Splice	C1-M-AV1, AK	1960	184*	Allagash	T3-S2-A1, AO	1967
34	Terrebone Parish	LST	1953	188*	Abraham Lincoln	SSBN	1966
35*	Hardhead	SSK	1962	189	Sacramento	AOE	1972
38	Dodge County	LST	1955	190	Newport News	CA	1966
43	Suamico	T2-SE-A2, T-AO	1950	191*	Barracuda	SSK	1962
47*	Watchman	radar ship	1958	192*	Mackerel	SSK	1960
48*	Reedbird	AMS-51	1945	193	Ortolan	Sub rescue	1973
50	Iwo Jima	LPH	1961	194	El Paso	LKA	1970
53*	Ashville	PG-84	1967	195*	Banner	AK	1973
67*	Bannock	tug	1950	202	Oak Ridge	floating drydock	1970
84	Bald Eagle	AF-50	1960	204	Chicago	CAG	1978
86*	Kukui	C1-M-V1, AK	1965	205*	Pueblo	AGI	1968
87*	Molala	tug	1967	206*	Petrel	Sub rescue	1975
88	Kennebec	AO-36	1950	210	Virginia	CGN-38	1978
89	Alstede	AF-48	1967	211*	Palatka	tug	1977
94*	Saranak	T2-SE-A1, T-AO	1955	212*	Edenton	ATS-1	1977
95*	Matthews	AK	1946	213*	Pine Island	seaplane tender	1967
97	Eldorado	AGC-11	1959	214	Proteus	AS-19	1944
98	Winged Arrow	AK	1946	215	Hamilton	CG cutter	1976
103*	Grafton	MS	1950	220	Repose	AH	1969
104*	Arided	Liberty ship, AK	1947	221*	Plunger	SSN	1976
105	Hamul	AD-20	1946	222*	Finback	SSN	1977
109	Agerholm	Gearing FRAM 1	1967	223	Snook	SSN	1976
110	Ticonderoga	CV	1946	230	Tarawa	LHA-1	1980
111	Norris	Gearing class	1945	231*	Barrett	troopship	1959
112*	Blackfin	SS	1944	232*	Sea Fox	SSK	1964
113	Pocono	LCC	1969	233*	Dixie	AR	1972
114*	Knox	FF 1052	1970	240	Moosbrugger	DDG	1978
115	Boxer	LPH-4	1969	241*	Pegasus	Pegasus class	1980
119	Pittsburgh	CA	1945	241a*	Hercules	'at sea'	1980
120	Baltimore	CA	1945	242	Nashville	LPD-13	1975
128*	YMS III	M	1945	243	Mayfield Victory	AK	1944
130	Sangamon	CVE	1942	247*	Greenfish	SSK	1964
131	Carronade	IFS-1	1968	248	Kidd	DDG	1981
138	Tulare	LKA	1969	249	Blue Ridge	LCC-19	1970
140	Inchon	LPH-12	1970	250*	Nimitz	CVAN	1979
142*	De Soto County	LST-1171	1962	251	Bass	SS	1943
148*	Weber	DE	1945	257*	Nautilus	SS	1944
151	Norfolk	DL-1	1953	258*	Pickerel	SS	1943
152*	Kingbird	MS	1967	259*	Chewaukan	AO	1973
153*	Paul Revere	LPA	1969	260*	Biddle	CG-34	1981
154*	Valcour	AGI	1961	261*	Mirfak	AK	1970
155*	Maumee	T-AO	1963	270	Ramsey	FFG-2	1979
160	Gen GM Randall	AP-115	1946	271	Boone	FFG-28	1982

Continues over

272*	Porpoise	SS	1938	315*	America	CVA	1965
273	Tarpon	SS	1943	322	Dealey	DDE	1958
274*	Narwhal	SS	1939	323*	Krishna	AR	1958
275*	Dwight D Eisenhower	CVA	1982	324	Butte	AE	1968
281*	Plymouth Rock	LSD	1955	325*	John F Kennedy	CVA	1968
282	Portland	LSD	1970	326	Wabash	AOR	1971
283	Trenton	LPD-14	1980	330	Iowa	BB	1986
284*	Lofberg	Sumner FRAM	1970	331	Bear	CG cutter	1983
285	Mississinewa	AO	1956	332*	Reliance	CG cutter	1964
293	Ticonderoga	CG-47	1983	335*	Constellation	CVA	1961
294*	Ohio	SSBN	1983	336	Canisteo	AOR	1969
295*	Sample	FF1048	1980	346*	Cachalot	SS	1942
298	Austin	LPD-4	1983	347*	Salerno Bay	CVE	1945
299	Genessee	AOG-8	1944	348*	Wilkinson	DD	1956
300*	Carl Vinson	CVAN	1982	349*	Manitou	Patrol boat	1986
301*	Sealift Pacific	T-AO	1975	351*	Willis A Lee	DD	1966
303*	Halibut	SSN	1960	352*	Manila Bay	CVE	1944
304*	San Francisco	SSN	1981	359*	Active	Patrol boat	1995
310*	New Jersey	BB	1983	360	Oriskany	CV	1950
311	Polar Star	ice breaker	1976	Z18	YMS II type		
312	Mackinaw	ice breaker	1945	Z32*	LCT5		
314	Sylvania	AFS	1964	Z50	Lafayette	SSBN	

(Z18, 32 and 50 are full hull models intended for use with Ta202)



Trident Alpha USS Pine Island