

## TURNED TABLES

1700 18 October 1940

Background: The Germans decided to mount a daylight offensive sweep of the South-West Approaches of the Channel. Not surprisingly, this drew a strong response from the Royal Navy forces on watch at Portsmouth

### Forces:

Royal Navy	Division 1	Newcastle Emerald	(Southampton -- flag) (Enterprise)
	Division 2	Jackal Jupiter Kashmir Kelvin Kipling	("J" Class -- flag) ("J" Class) ("K" Class) ("K" Class) ("K" Class)
Kriegsmarine Captain Erich Bey	Division 1	Hans Lody Friedrich Ihn Karl Galster Erich Steinbrinck	(Type 34A -- flag) (Type 34A) (Type 34A) (Type 34A)

### Set-up:



German Division 1 is on a course of 180, in line ahead, 25 inches from the north edge and 12 inches from the west edge.

British Division 1 is on a course of 180, in line ahead, 5 inches from the north edge and 15 inches from the west edge.  
British Division 2 is following British Division 1 in line ahead.

The south edge of the playing area is the friendly edge for the German player.

### Victory Conditions:

- For the British player, 1 point per destroyer sunk or left dead in the water.
- For the German player, 1 point per cruiser with a speed of 0 and 2 points per cruiser sunk, 1 point per destroyer sunk.

### Special Rules:

- The visibility base is **14** with a gunfire modifier of **-2**.
- Steinbrinck is limited to a top speed of 3.50 inches.
- Optional: The Theodore Reidel (Type 34A) also sortied with her sisters, but was forced back to port by boiler problems. Include her in German Division 1. Also, the German destroyers operated with the 5<sup>th</sup> Torpedo Boat Flotilla, although these apparently were not in company when the British arrived. Include them as German Division 2, on a course of 180, setting up within 5 inches of Lody. The Flotilla consists of Greif (flag), Kondor, Seeadler, Falke and Wolf, all Type 23/24 class torpedo boats.

Outcome: Surprised by the British cruisers, the Germans launched torpedoes at long range and then ran for their base at Brest. Neither side took any damage.

# Southampton

<u>Navy Class</u>	Royal Navy Heavy cruiser	<u>Date</u>	1942		
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>		
Main Battery:	6 inch guns in 4 triple turrets	25 inches	See Notes		
Secondary Battery:	4 inch guns in 4 twin mounts	16 inches	See Notes		
Torpedoes:	21 inch torpedoes in 2 triple mounts	13 inches at 4.25"	Port and starboard		
Maximum Value:	9	16 inches at 2.75"			
<u>Gun:</u>	5"      10"      15"      20"      25"	<u>Power</u>	<u>Relia</u>		
6 inch triple	A/14      8/12      3/9      2/7      1/4	5	B		
4 inch twin	A/12      8/8      2/3      1/0	3	B		
<u>Speed</u>	4.00"      4 boilers      4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2	24": ±3
<u>Flotation</u>	Total: 67      DIW: 33      Sinking: 44				

## Armament Arrangement



## Hits

Officers Berths	11-12	Void
Fuel Oil 1	13-14	Void
Main Magazine A	15-21	Main A
Main Magazine B	22-24	Main B
Main Magazine B	25	Bridge
Transmitting Room	26	Bridge, Main Director
Boiler Room 1	31	Bridge, Forward Secondary Director 1 or 2
Boiler Room 1	32	Search Radar, Aircraft
Boiler Room 1	33	Funnel, AAMGs, Aircraft
Engine Room 1	34	AAMGs
Engine Room 1	35	Catapult
Engine Room 1	36	Void
Boiler Room 2	41-42	Funnel
Boiler Room 2	43	Secondary 1 or 2, Searchlight
Secondary Magazine	44	Torpedo 1 or 2
Secondary Magazine	45	Torpedo 1 or 2
Engine Room 2	46	Secondary 3 or 4
Engine Room 2	51	AAMGs [Aft Secondary Director]
Engine Room 2	52	[Aft Secondary Director] [Aft Primary Director]
Main Magazine X	53-55	Main X
Main Magazine Y	56-62	Main Y
Fuel Oil 2, Propshaft 1 or 2	63-64	Void
Steering, Propshaft 3 or 4	65	Steering
Void	66	Void

## Notes

- Eight ships in class, including Newcastle and Sheffield.
- All has a forward primary director and port and starboard directors forward. Sheffield, Birmingham and Glasgow have a third secondary director aft. Manchester, Liverpool and Gloucester also had a second primary director aft.

## Internal Diagram

V1	FO1	FM	FM	TR	BR1	ER1	BR2	ER2	AM	AM	FO2	ST	V
1FP	2FP	A	B	1FP	B1	E1	B3	E3	X	Y	2FP	1FP	0FP
		2FP	2FP		B2	E2	B4	E4	X	Y			
					14FP	11FP	14FP	11FP	2FP	2FP			

# Enterprise

<u>Navy Class</u>	Royal Navy Light cruiser	<u>Date</u>	1942
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	6 inch guns in 1 twin turret and 3 single mounts	25 inches	Fore
Secondary Battery:	4 inch guns in 3 single mounts	16 inches	Amidships
Torpedoes:	21 inch torpedoes in 4 quadruple mounts	13 inches at 4.25"	Port and starboard
Maximum Value:	9	16 inches at 2.75"	
<u>Gun:</u>	5"      10"      15"      20"      25"	Power	Relia
6 inch twin	A/12    8/10    3/7      2/5      1/2	5	B
6 inch single	A/10    8/8      3/5      2/3      1/0	5	B
4 inch single	A/10    8/6      2/1      1/-2     3	3	B
<u>Speed</u>	4.00"      8 boilers      4 engines	<u>Torpedo Hits</u>	17.7"-18": ±1      20.5"-22.5": ±2      24": ±3
<u>Flotation</u>	Total: 62      DIW: 31      Sinking: 42		

## Armament Arrangement



## Notes

- Emerald was similar, but with two single 6 inch guns forward vice the 6 inch turret.. They are in spaces 14-16 and 21-23.
- X Main cannot fire into stern arc.

## Hits

Aviation Gas	11-12	Void
Fuel Oil 1	13-16	Void
Forward Magazine	21-23	A Turret
Fuel Oil 2	24	Bridge
Fuel Oil 2	25	Bridge, Main Director Control
Boiler Room 1	26	Search Radar
Boiler Room 1	31-32	Funnel
Boiler Room 1	33	Void
Boiler Room 2	34	Funnel, AAMGs
Boiler Room 3	35	Funnel, AAMGs
Midships Magazine 1	36	Main 1 or 2
Engine Room 1	41	Searchlight 1 or 2
Engine Room 1	42	Secondary 1 or 2
Engine Room 1	43	Secondary Director, Torpedo Mount 1 or 2
Boiler Room 4	44	Torpedo 1 or 2
Boiler Room 4	45	Funnel
Midships Magazine 2	46	Main M
Engine Room 2	51	Aircraft, Catapult
Engine Room 2	52-53	Torpedo 3 or 4
Aft Magazine	54-55	Main X
Aft Magazine	56	Secondary X
Fuel, Propshaft 1 or 2	61-62	Main Y
Void, Propshaft 3 or 4	63-64	Void
Steering	65	Steering
Void	66	Void

## Internal Diagram

V1 1FP	FO1 2FP	FM A 2FP	BR1 B1 B2 7FP	BR2 B3 B4 7FP	MM1 2FP	BR3 B5 B6 7FP	ER1 E1 E2 10FP	BR4 B7 B8 7FP	MM2 2FP	ER2 E3 E4 10FP	AM X 2FP	FO2 2FP	ST 1FP	V 0FP
-----------	------------	----------------	------------------------	------------------------	------------	------------------------	-------------------------	------------------------	------------	-------------------------	----------------	------------	-----------	----------

## “J/K/L/M/N” Classes

<u>Navy Class</u>	Royal Navy Destroyer	<u>Date</u>	1940		
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>		
Main Battery:	4.7 inch guns in 3 twin mounts	18 inches	Fore		
Torpedoes:	21 inch torpedoes in 1 quintuple mount	13 inches at 4.25"	Port and starboard		
Maximum Value:	9	16 inches at 2.75"			
<u>Gun:</u>	5"            10"            15"            18"	<u>Power</u>	<u>Relia</u>		
4.7 inch twin	A/12            8/8            2/4            1/1	4	A		
<u>Speed</u>	4.50            2 boilers            2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5
<u>Flotation</u>	Total: 27            DIW: 14            Sinking: 18				

### Armament Arrangement



### Notes

- Twenty-four Js and similar Ks and Ns were built.
- Most gave up a torpedo mount to ship a 4 inch anti-aircraft gun. This is treated as an AAMG for game purposes.
- Twelve Ls and Ms were similar, but with 4.7 inch guns in turrets (range 21 inches) and 2 quadruple torpedo mounts.
- GR space is the Gearing Room. Treat hits on it as Engine Room hits, although it floods separately.

### Hits

Void 1	11-14	Forward Void
Void 1	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 1	24	Main B
Fuel Oil 1	25	AAMGs
Fuel Oil 1	26	Bridge
Fuel Oil 1	31	Bridge
Boiler Room 1	32	Main Director
Boiler Room 1	33	Search Radar
Boiler Room 1	34	Funnel
Boiler Room 2	35-36	Funnel
Boiler Room 2	41	AAMGs
Engine Room	42-44	Torpedo A
Engine Room	45	AAMGs [Torpedo B]
Gearing Room	46-51	AAMGs [Torpedo B]
Aft Main Magazine	52	Searchlight
Aft Main Magazine	53	AAMGs
Aft Main Magazine	54-55	Main X
Fuel Oil 2	56	Main X
Fuel Oil 2	61-62	Void
Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

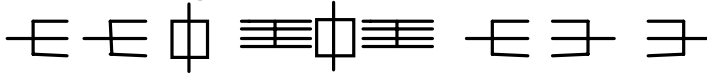
### Internal Diagram

VO1 1FP	FM A&B 1FP	FO1 2FP	BR1 B1 5FP	BR2 B2 5FP	ER E1 E2 6FP	GR 3FP	FO2 2FP	AM X 1FP	ST 1FP
------------	------------------	------------	------------------	------------------	-----------------------	-----------	------------	----------------	-----------

# Type 34/34A/36

<u>Navy Class</u>	Deutsches Kriegsmarine Destroyer	<u>Date</u>	1940		
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>		
Main Battery:	5 inch guns in 5 single mounts	18 inches	Fore and aft		
Torpedoes:	21 inch torpedoes in 2 quadruple mounts	8 inches at 5.00"	Port and starboard		
Maximum Value:	6 until 1/43, then 9	13 inches at 3.75"			
<u>Gun:</u>	5"      10"      15"      18"	<u>Power</u>	<u>Relia</u>		
5 inch single	A/10      8/6      2/2      1/-1	4	B		
<u>Speed</u>	4.75"      6 boilers      2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5
<u>Flotation</u>	Total: 33      DIW: 17	Sinking: 22			

### Armament Arrangement



### Notes

- Class included Z-1 through Z-8.
- Z-9 through Z-13 were Type 34A, similar in game terms.
- Z-14 through Z-21 were Type 36, also similar in game turns.
- Fuel tanks like cruisers, outboard of machinery spaces.

### Hits

Void 1	11-13	Forward Void
Void 1	14	Main A
Void 1	15-16	Main A
Forward Main Magazine	21-22	Main B
Forward Main Magazine	23	AAMGs
Forward Main Magazine	24	Bridge
Boiler Room 1	25	Torpedo Directors, Bridge
Boiler Room 1	26	Forward Director, Bridge
Boiler Room 2	31	Funnel
Boiler Room 2	32	Torpedo A
Turbogenerator Room	33	Torpedo A
Boiler Room 3	34	Torpedo A
Boiler Room 3	35	Funnel, AAMGs, Searchlight
Engine Room 1	36	Funnel, AAMGs, Searchlight
Engine Room 1	41	Aft Director
Engine Room 1	42	Torpedo B
Void 2	43	Torpedo B
Engine Room 2	44	Torpedo B
Engine Room 2	45	Main M
Engine Room 2	46	Main M
Aft Main Magazine	51	Main M
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53-55	Main X
Void 3, Propshaft 1 or 2	56-62	Main Y
Void 3, Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

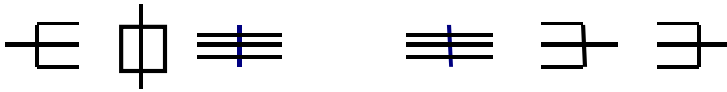
### Internal Diagram

V1	FM	BR1	BR2	TR	BR3	ER1	V2	ER2	AM	V3	ST
2FP	A	B1,B2	B3,B4	1FP	B5,B6	E1	1FP	E2	MX	3FP	2FP
	3FP	3FP	3FP		3FP	4FP		4FP	4FP		

# Type 23/24

<u>Navy Class</u>	Deutsches Kriegsmarine Torpedo boat	<u>Date</u>	1941
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	4.1 inch guns in 3 single mounts	15 inches	Fore
Torpedoes:	21 inch torpedoes in 2 triple mounts	8 inches at 5.00"	Aft
Maximum Value:	8 until 1/43, 9 thereafter	13 inches at 3.75"	
<u>Gun:</u>	5"      10"      15"	<u>Power</u>	<u>Relia</u>
4.1 inch single	A/10      8/6      2/0	3	B
<u>Speed</u>	4.00"	3 boilers	2 engines
		<u>Torpedo Hits</u>	17.7"-18": ±2      20.5"-22.5": ±4      24": ±6
<u>Flotation</u>	Total: 31	DIW: 16	Sinking: 21

## Armament Arrangement



### Notes

- Type 23 class included 6 ships.
- Six ships of the Type 24 class were similar, but with a speed of 4.25 inches.

## Hits

	Void 1	11-13	Forward Void
	Forward Main Magazine	14	Main A
	Forward Main Magazine	15-16	Main A
	Fuel Oil 1	21-22	AAMG
	Fuel Oil 2	23	Bridge
	Fuel Oil 2	24	Torpedo Directors, Bridge
	Boiler Room 1	25	Main Director, Bridge
	Boiler Room 1	26-31	Funnel
	Boiler Room 2	32	Funnel
	Boiler Room 2	33-34	Torpedo A
	Generator Room	35-36	Torpedo A
	Boiler Room 3	41	AAMGs
	Boiler Room 3	42	Funnel
	Boiler Room 3	43	AAMGs, Searchlight
	Engine Room 1	44	Torpedo B
	Engine Room 1	45-46	Torpedo B
	Engine Room 1	51	Torpedo B
	Engine Room 2	52-53	AAMGs
	Engine Room 2	54-56	Main X
	Fuel Oil 3	61	Main X
	Aft Main Magazine, Propshaft 1 or 2	62-63	Main Y
	Aft Main Magazine, Propshaft 1 or 2	64	Main Y
	Steering	65-66	Steering

## Internal Diagram

V1	FM	FO1	FO2	BR1	BR2	GR	BR3	ER1	ER2	FO3	AM	ST
2FP	A	2FP	2FP	B1	B2	2FP	B3	E1	E2	1FP	XY	2FP
	1FP			3FP	3FP		3FP	4FP	4FP			