

JAVA SEA -- THE EVENING ACTION

2300 27 February 1942

Background: The Japanese invasion of Java brought on the climactic engagement of the ABDA (Australian-British-Dutch-American) forces. The remaining serviceable ABDA ships left Surabaya harbor on 26 February to seek out the Japanese invasion fleet. They collided with the Japanese covering forces off the north coast of Java.

In a daylight action, the opposing cruisers traded long-range gunfire for almost an hour before British cruiser Exeter took a serious hit in her boiler rooms. Shortly after this, Dutch destroyer Kortenaer was felled by a Japanese torpedo and Japanese destroyers sank British destroyer Electra. Admiral Doorman then broke off the action and looped back to the east, hoping to get past the Japanese covering forces and into the transports.

After withdrawing from the daylight action, the ABDA forces split. The escorting destroyers headed back to port while Admiral Doorman and the remaining intact cruisers steamed further east and then north, seeking the Japanese transports. After turning north, the ABDA ships met the Nachi and Haguro coming south.

Forces:

ABDA Forces	Division 1	De Ruyter	(De Ruyter -- flag)
Rear Admiral Karel Doorman. K.K.M.		Perth	(Sydney)
		Houston	(Northampton)
		Java	(Java)
Nihon Kaigun	Division 1	Nachi	(Myoko -- flag)
Rear Admiral Takagi Takeo		Haguro	(Myoko)

N^

The ABDA friendly edge is south. The Japanese friendly edge is the north.

The ABDA formation is steaming in line on a course of 0 degrees (due north), with the flagship leading. De Ruyter is 16 inches from the east edge and 40 inches from the north edge.

The Japanese cruisers are also steaming in line with the flagship leading. Their course is 90 degrees (due south). The Nachi is 24 inches from the east edge and 22 inches from the north edge.

Victory Conditions:

- 3 points for each heavy cruiser sunk
- 2 points for each light cruiser sunk
- 1 point for each destroyer sunk.
- 1 point for each ABDA cruiser exited off the north map edge.

Special Rules:

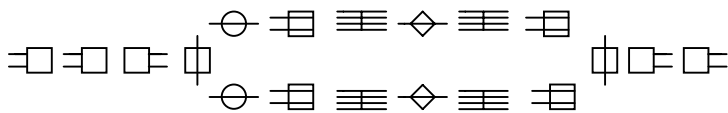
- Houston's Turret Y is destroyed.
- Due to the command and control difficulties of ABDA's multi-lingual forces, all movement for ABDA Division 1 must be plotted one turn in advance.
- The Japanese cruisers have no torpedo reloads.
- The visibility base is **17** and the level is **-5** -- a clear night with a full moon, but with the gun teams on both sides exhausted and low on ammunition.
- The Japanese have a spotter plane present. It can illuminate one ship per turn with flares. These are treated like starshell.

Outcome: After a running gun battle in which the ranges closed down to 8000 yards, the Japanese cruisers managed to torpedo and sink both De Ruyter and Java. Admiral Doorman perished with his flagship. The Houston and Perth escaped, only to meet their doom on the following night.

Myoko

<u>Navy Class</u>	Imperial Japanese Navy Heavy cruiser	<u>Date</u>	1940, as reconstructed			
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>			
Main Battery:	8 inch guns in 5 twin turrets	32 inches	Fore and aft			
Secondary Battery:	5 inch guns in 4 twin mounts	15 inches	Port and starboard			
Torpedoes:	24 inch torpedoes in 4 quadruple mounts 8 reloads	22 inches at 6.00" 35 inches at 5.00" 44 inches at 4.50"	Port and starboard			
<u>Speed</u>	4.25"	12 boilers	4 engines			
<u>Flotation</u>	Total: 66	DIW: 33	Sinking: 44			
<u>Bulge</u>	-1 to torpedo hits in way of locations 21-54		<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2	24": ±3

Armament Arrangement



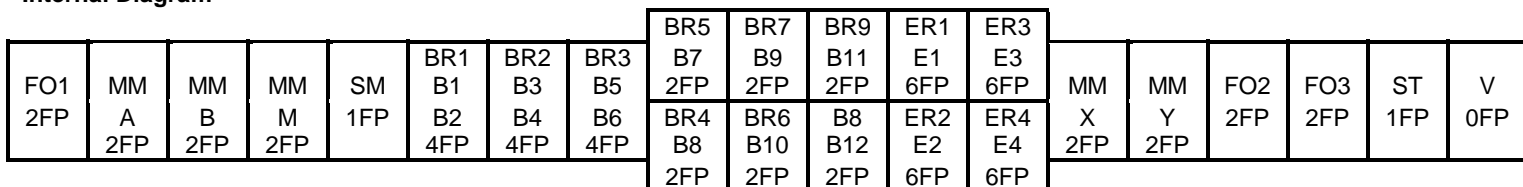
Notes

- Class included Myoko, Nachi, Haguro and Ashigara.

Hits

Fuel Oil 1	11-15	Officers Berths
Main Magazine A	16-21	Main A
Main Magazine B	22-23	Main B
Main Magazine M	24-25	Main M
Secondary Magazine	26	Bridge
Boiler Room 1	31	Bridge, Port or Starboard Secondary Director, AAMGs,
Boiler Room 2	32	Forward Main Director, Funnel, Bridge
Boiler Room 3	33	Secondary 1 or 2, Searchlight 1 or 2, Torpedo Director
Boiler Room 4 or 5	34	Funnel
Boiler Room 6 or 7	35	AAMGs
Boiler Room 6 or 7	36	Searchlight 3 or 4
Boiler Room 8 or 9	41	Secondary 3 or 4, Funnel
Boiler Room 8 or 9	42	AAMGs
Engine Room 1 or 2	43	Torpedo 1 or 2, Aft Main Director
Engine Room 1 or 2	44	Port or Starboard Catapult Aircraft
Engine Room 1 or 2	45	Port or Starboard Catapult, Aircraft
Engine Room 3 or 4	46	Torpedo 3 or 4
Engine Room 3 or 4	51	Aircraft
Main Magazine X	52-53	Main X
Main Magazine Y	54-55	Main Y
Fuel Oil 2	56-62	Crew Berths
Fuel Oil 3, Propshaft 1 or 2	63	Crew Berths
Fuel Oil 3, Propshaft 3 or 4	64	Crew Berths
Steering	65	Steering
Aft Void	66	Aft Void

Internal Diagram



De Ruyter

<u>Navy</u>	Royal Netherlands Navy	<u>Date</u>	1942	
<u>Class</u>	Light cruiser			
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>	
Main Battery:	6 inch guns in 3 twin turrets and 1 single	19 inches	Fore and aft	
<u>Speed</u>	4.00"	6 boilers	2 engines	
<u>Flotation</u>	Total: 59	DIW: 29	Sinking: 40	
		<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2 24": ±3

Armament Arrangement



<u>Notes</u>

Hits

	Officers Berths	11-12	Void						
	Fuel Oil 1	13-14	Void						
	Main Magazine A	15-22	Main A						
	Main Magazine B	23-24	Main B						
	Main Magazine B	25	Bridge						
	Fuel Oil 2	26	Bridge, Main Director						
	Boiler Room 1	31	Bridge, Searchlight 1 or 2						
	Boiler Room 1	32	Void						
	Boiler Room 1	33	Funnel						
	Boiler Room 2	34	Funnel, Searchlight 3						
	Boiler Room 2	35	Catapult						
	Boiler Room 2	36	Aircraft, Catapult						
	Boiler Room 3	41	Void						
	Boiler Room 3	42-43	AAMGs						
	Engine Room 1	44-45	Aft Main Director						
	Engine Room 1	46	AAMGs						
	Engine Room 2	51	AAMGs						
	Engine Room 2	52	Void						
	Main Magazine X	53-55	Main X						
	Main Magazine Y	56-62	Main Y						
	Fuel Oil 3, Propshaft 1 or 2	63	Void						
	Fuel Oil 3, Propshaft 1 or 2	64	Void						
	Steering	65	Steering						
	Void	66	Void						

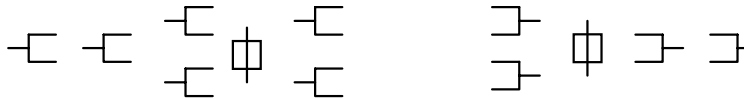
Internal Diagram

V1	FO1	FM	FM	FO2	BR1	BR2	BR3	ER1	ER2	AM	AM	FO3	ST	V2
1FP	2FP	A	B	2FP	B1	B3	B5	E1	E3	X	Y	2FP	1FP	0FP
		2FP	2FP		B2	B4	B6	E2	E4	X	Y			
					7FP	7FP	7FP	11FP	11FP	2FP	2FP			

Java

<u>Navy Class</u>	Royal Netherlands Navy Light cruiser	<u>Date</u>	1942
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	5.9 inch guns in 10 single mounts	23 inches	Fore and aft
<u>Speed</u>	3.75"	8 boilers	3 engines
<u>Flotation</u>	Total: 60	DIW: 30	Sinking: 40
		<u>Torpedo Hits</u>	17.7"-18": ±1 20.5"-22.5": ±2 24": ±4

Armament Arrangement



Notes

- Java class included Sumatra.

Hits

	Fuel Oil 1	11-12	Void
Forward Main Magazine A, B, 1, 2		13-14	Main A
Forward Main Magazine A, B, 1, 2		15-16	Main B
Forward Main Magazine A, B, 1, 2		21	Bridge
	Fuel Oil 2	22	Bridge
	Fuel Oil 2	23	Bridge, Forward Main Director
	Fuel Oil 3	24	Main 1 or 2, Funnel
	Fuel Oil 3	25	Main 1 or 2, Funnel
	Boiler Room 1	26	Aircraft
	Boiler Room 1	31	Aircraft
	Boiler Room 1	32	Main 3 or 4, Funnel
	Boiler Room 2	33	Main 3 or 4, Funnel
	Boiler Room 2	34	Searchlight 1 or 2
	Boiler Room 2	35	Void
Midships Main Magazine 3, 4, 5, 6		36	Searchlight 3 or 4
Midships Main Magazine 3, 4, 5, 6		41	Void
Midships Main Magazine 3, 4, 5, 6		42	Void
	Engine Room 1	43	Void
	Engine Room 1	44	Main 5 or 6, Aft Main Director
	Engine Room 2	45	Main 5 or 6
	Engine Room 2	46	AAMGs
	Engine Room 3	46	AAMGs
	Engine Room 3	51	AAMGs
Aft Main Magazine		52-53	Main X
Aft Main Magazine		54-55	Main Y
	Fuel Oil 4	56-61	Void
	Fuel Oil 4	62	Void
Fuel Oil 4, Propshaft 1 or 2		63	Void
Fuel Oil 4, Propshaft M		64	Void
Steering		65	Steering

Internal Diagram

FO1 2FP	PM A,B 1,2 4FP	FO2 2FP	FO3 2FP	BR1 B1,2 B3,4 10FP	BR2 B5,6 B7,8 10FP	PM 3,4 5,6 4FP	ER1 E1 7FP	ER2 E2 7FP	ER3 E3 7FP	PM XY 2FP	FO4 2FP	ST 1FP
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Sydney

<u>Navy Class</u>	Royal Australian Navy Light cruiser	<u>Date</u>	1940
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>
Main Battery:	6 inch guns in 4 twin turrets	25 inches	Fore
Secondary Battery:	4 inch guns in 4 twin mounts	16 inches	Fore
Torpedoes:	21 inch torpedoes in 2 quadruple mounts 2 special hits	13 inches at 4.25" 16 inches at 2.75"	Port and starboard
<u>Speed</u>	4.00"	8 boilers	4 engines
<u>Flotation</u>	Total: 67	DIW: 33	Sinking: 44
		<u>Torpedo Hits</u>	17.7"-18": ±1 20.5"-22.5": ±2 24": ±3

Armament Arrangement



Notes

- Three ships in class: Sydney, Perth, Hobart

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
Secondary Magazine	26	Bridge, Main Director
Transmitting Room	31	AAMGs, Forward Secondary Director
Boiler Room 1	32	Search Radar
Boiler Room 1	33	Funnel, Searchlight 1 or 2
Boiler Room 1	34	Funnel
Engine Room 1	35-41	Catapult, Aircraft
Boiler Room 2	42-43	Funnel, Secondary 1 or 2
Boiler Room 2	44-45	Torpedo 1 or 2
Engine Room 2	46	Secondary 3 or 4
Engine Room 2	51	Searchlight 3
Engine Room 2	52	AAMGs
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

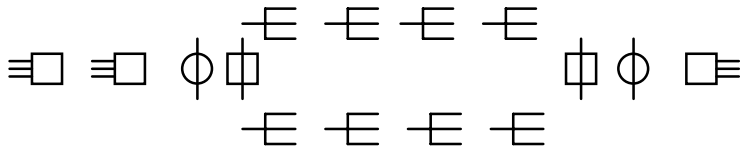
Internal Diagram

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

Northampton

<u>Navy Class</u>	United States Navy Heavy cruiser	<u>Date</u>	1942	
<u>Surface Armament</u>		<u>Ranges</u>	<u>Directors</u>	
Main Battery:	8 inch guns in 3 triple turrets	32 inches	Fore and aft	
Secondary Battery:	5 inch guns in 8 single mounts	14 inches	Fore and aft	
<u>Speed</u>	4.00"	8 boilers	4 engines	
<u>Flotation</u>	Total: 61	DIW: 31	Sinking: 40	
		<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±2 24": ±3

Armament Arrangement



Notes

- Class of 6 included Northampton, Houston and Chicago.

Hits

Fuel Oil	11-13	Void
Aviation Fuel	14	Void
Fuel Oil	15	Void
Main Magazine A	16-22	Main A
Main Magazine B	23-25	Main B
Plot/CIC	26	Secondary Director, Bridge
Boiler Room 1	31	Forward Main Director, AAMGs, Bridge
Boiler Room 1	32	Bridge
Boiler Room 1	33-34	Funnel
Engine Room 1	35-41	Aircraft, Catapult 1 or 2
Engine Room 1	42	AAMGs, Hanger
Boiler Room 2	43-44	AAMGs, Funnel
Boiler Room 2	45	Secondary 1 or 2
Boiler Room 2	46	Secondary 3 or 4
Engine Room 2	51	Secondary 5 or 6
Engine Room 2	52	Secondary 7 or 8
Engine Room 2	53	Void
Engine Room 2	54	Aft Secondary Director, AAMGs, Searchlight 1 or 2
Main Magazine X	55	Aft Main Director, AAMGs, Searchlight 3 or 4
Main Magazine X	56-61	Main X
Fuel Oil 3, Propshaft 1 or 2	62	Main X
Fuel Oil 3, Propshaft 3 or 4	63	Void
Steering	64-65	Steering
Void	66	Void

Internal Diagram

FO1 2FP	AG 1FP	FO2 1FP	AM 3FP	BM 3FP	PLT 2FP	BR1 B1 B2 12FP	ER1 E1 E2 10FP	BR2 B3 B4 12FP	ER2 E3 E4 10FP	YM 2FP	FO3 2FP	ST 1FP	V 0FP
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