

**CREW NATIONALITIES (TOTAL CREWS)  
ALL VESSEL TYPES (1998)**

<u>NATIONALITY</u>	<u>RANK</u>	<u>TOTAL CREWS</u>		<u>TOTAL OFFICERS*</u>	
		<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	1	77,125	37.0%	21,333	24.7%
CHINESE (PRC)	2	12,344	5.9%	5,023	5.8%
INDIAN	3	11,951	5.7%	6,425	7.4%
RUSSIAN	4	10,799	5.2%	5,263	6.1%
UKRAINIAN	5	8,622	4.1%	3,712	4.3%
GREEK	6	8,588	4.1%	6,233	7.2%
POLISH	7	8,027	3.8%	3,409	3.9%
KOREAN **	8	6,852	3.3%	3,593	4.2%
CROATIAN	9	5,085	2.4%	2,608	3.0%
MYANMAR	10	3,517	1.7%	1,286	1.5%
<b>TOP 10</b>		<b>152,910</b>	<b>73.3%</b>	<b>58,885</b>	<b>68.1%</b>
GERMAN	11	3,045	1.5%	2,502	2.9%
DANISH	12	2,942	1.4%	2,171	2.5%
LATVIAN	13	2,509	1.2%	1,187	1.4%
TAIWANESE	14	2,101	1.0%	1,144	1.3%
JAPANESE	15	2,043	1.0%	1,769	2.0%
NORWEGIAN	16	2,007	1.0%	1,673	1.9%
ROMANIAN	17	1,960	0.9%	659	0.8%
INDONESIAN	18	1,956	0.9%	287	0.3%
ISRAELI	19	1,679	0.8%	788	0.9%
MEXICAN	20	1,645	0.8%	833	1.0%
<b>2ND 10</b>		<b>21,887</b>	<b>10.5%</b>	<b>13,013</b>	<b>15.1%</b>
<b>TOP 20</b>		<b>174,797</b>	<b>83.8%</b>	<b>71,898</b>	<b>83.2%</b>
<b>TOTAL***</b>		<b>208,622</b>	<b>100.0%</b>	<b>86,452</b>	<b>100.0%</b>

\* As future Officers, Cadets are included in Officer Totals

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

\*\*\* Excludes 1187 entries where the crewmember's rating could not be determined.

**CREW NATIONALITIES (OFFICERS)  
ALL VESSEL TYPES (1998)**

<u>NATIONALITY</u>	<u>TOTAL OFFICERS</u> *		<u>DECK OFFICERS</u>		<u>ENGINE OFFICERS</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	21,333	24.7%	10,855	25.1%	8,396	22.8%
INDIAN	6,425	7.4%	2,641	6.1%	2,666	7.2%
GREEK	6,233	7.2%	3,298	7.6%	2,878	7.8%
RUSSIAN	5,263	6.1%	2,628	6.1%	2,423	6.6%
CHINESE (PRC)	5,023	5.8%	2,203	5.1%	2,144	5.8%
UKRAINIAN	3,712	4.3%	1,840	4.3%	1,733	4.7%
KOREAN**	3,593	4.2%	1,916	4.4%	1,652	4.5%
POLISH	3,409	3.9%	1,674	3.9%	1,620	4.4%
CROATIAN	2,608	3.0%	1,218	2.8%	1,348	3.7%
GERMAN	2,502	2.9%	1,536	3.6%	923	2.5%
<b>Top 10</b>	<b>60,101</b>	<b>69.6%</b>	<b>29,809</b>	<b>68.9%</b>	<b>25,783</b>	<b>70.0%</b>
DANISH	2,171	2.5%	1,162	2.7%	936	2.5%
JAPANESE	1,769	2.0%	1,048	2.4%	706	1.9%
NORWEGIAN	1,673	1.9%	881	2.0%	637	1.7%
MYANMAR	1,286	1.5%	615	1.4%	519	1.4%
BRITISH VIRGIN ISLANDERS	1,201	1.4%	585	1.4%	529	1.4%
LATVIAN	1,187	1.4%	482	1.1%	602	1.6%
TAIWANESE	1,144	1.3%	574	1.3%	510	1.4%
ITALIAN	1,025	1.2%	454	1.0%	401	1.1%
MEXICAN	833	1.0%	402	0.9%	377	1.0%
ISRAELI	788	0.9%	383	0.9%	354	1.0%
<b>2ND 10</b>	<b>13,077</b>	<b>15.1%</b>	<b>6,586</b>	<b>15.2%</b>	<b>5,571</b>	<b>15.1%</b>
<b>TOP 20</b>	<b>73,178</b>	<b>84.7%</b>	<b>36,395</b>	<b>84.1%</b>	<b>31,354</b>	<b>85.1%</b>
<b>TOTAL</b>	<b>86,397</b>	<b>100.0%</b>	<b>43,263</b>	<b>100.0%</b>	<b>36,846</b>	<b>100.0%</b>

\* As future Officers, Cadets are included in Officer Totals

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

**OTHER OFFICERS**

<u>Entries</u>	<u>Percent</u>
42	6.8%
239	38.9%
5	0.8%
30	4.9%
169	27.5%
19	3.1%
5	0.8%
14	2.3%
5	0.8%
1	0.2%

**529 86.2%**

3	0.5%
-	0.0%
8	1.3%
8	1.3%
15	2.4%
-	0.0%
-	0.0%
-	0.0%
-	0.0%
-	0.0%
-	0.0%

**34 5.5%**

**563 91.7%**

**614 100.0%**

**CADETS**

<u>Entries</u>	<u>Percent</u>
2,040	36.0%
879	15.5%
52	0.9%
182	3.2%
507	8.9%
120	2.1%
20	0.4%
101	1.8%
37	0.7%
42	0.7%

**3,980 70.1%**

70	1.2%
15	0.3%
147	2.6%
144	2.5%
72	1.3%
103	1.8%
60	1.1%
170	3.0%
54	1.0%
51	0.9%

**886 15.6%**

**4,866 85.8%**

**5,674 100.0%**

0000	0001	0002	0003	0004
867	1947	3207	3376	79
693	672	593	379	10
1128	904	896	36	64
462	639	626	479	15
367	517	416	439	53
321	443	471	321	6
471	452	381	338	24
274	560	408	249	26
245	494	261	158	7
898	432	174	18	12
540	401	132	36	50
393	351	78	74	44
425	284	106	42	14
21	82	191	170	2
308	123	86	55	3
105	120	130	99	1
157	158	116	88	
160	145	86	49	1
61	115	104	96	3
94	93	85	82	
0000	0001	0002	0003	0004
867	1947	3207	3376	79
693	672	593	379	10
1128	904	896	36	64
462	639	626	479	15
367	517	416	439	53
321	443	471	321	6
471	452	381	338	24
274	560	408	249	26
245	494	261	158	7
898	432	174	18	12
540	401	132	36	50
393	351	78	74	44

425	284	106	42	14
21	82	191	170	2
308	123	86	55	3
105	120	130	99	1
157	158	116	88	
160	145	86	49	1
61	115	104	96	3
94	93	85	82	
147	120	68	39	8
34	106	100	68	
139	58	61	31	1
30	175	170	65	2
95	92	52	28	10
43	44	61	58	2
27	58	126	68	
52	43	33	35	2
105	55	32	23	3
46	39	37	30	6
61	55	54	34	1
62	16	1	2	
24	43	42	29	
41	35	34	15	1
8	18	49	51	26
25	21	26	8	1
4	39	55	53	
1	12	53	48	4
28	29	26	25	
27	39	40	26	2
25	27	27	18	2
39	37	30	18	3
17	30	25	27	
21	19	24	20	
35	38	29	4	1
36	20	15	16	
4	24	30	21	
12	40	30	15	
9	14	21	1	
86	25	19	6	3
9	14	14	10	
38	31	5	1	
29	13	23	19	
7	15	8	1	
18	34	15	5	
4	9	5	5	
3	7	7	11	
11	19	14	5	
18	17	8	4	
10	26	8	4	
28	13	6	1	1
13	14	8	7	
3	26	14		1
7	13	10	4	3

5	28	5	6	
7	7	6	5	1
16	28	3	5	
7	4	8	5	1
			2	
56	5			
13	9	3		
1	21	10		
1	8	9	7	
8	17			
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4	8	3	2	
3	8	2		
	1	9	19	
8		5	1	
9	1		1	
	27	1		
2	8	6	1	
	6	1	1	
		2		
1	5	1		
2	2	6		
3	1	2	2	
	5	9		
4	3	1		1
	2	2	4	
3	4	1		
			1	
	8	2		1
2	10			
3	2	2		
2	1	3		
2	2	2		
1	1	2	1	
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1	1	1		
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0005	0006	0007	0008	0100	0101	0102	0103	0104
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0005	0006	0007	0008	0100	0101	0102	0103	0104
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5	2	1361	11	1063	838	2522	2572	1262
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		291	3	632	184	541	500	397
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1		268	1	1040	133	778	882	12
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	22	381	4	547	336	515	456	150
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2	16	383	10	388	213	423	434	330
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	5	272	1	351	113	422	383	211
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	3	247		444	417	365	381	3
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2		138	17	481	155	406	334	145
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		51	2	395	382	365	144	34
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		2		588	67	212	29	
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1		2		470	193	187	35	8
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	26	81	1	377	208	53	65	1
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4	1	5		323	155	94	40	3
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		149		41	40	127	164	46
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2		8		262	72	76	91	16
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		26	1	129	100	136	141	39
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		55		171	135	94	85	5
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		13		144	136	83	34	2
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		23		51	121	98	78	12
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		29		96	86	85	85	1
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0005	0006	0007	0008	0100	0101	0102	0103	0104
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5	2	1361	11	1063	838	2522	2572	1262
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		291	3	632	184	541	500	397
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1		268	1	1040	133	778	882	12
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	22	381	4	547	336	515	456	150
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2	16	383	10	388	213	423	434	330
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	5	272	1	351	113	422	383	211
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	3	247		444	417	365	381	3
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2		138	17	481	155	406	334	145
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		51	2	395	382	365	144	34
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		2		588	67	212	29	
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1		2		470	193	187	35	8
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	26	81	1	377	208	53	65	1
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4	1	5		323	155	94	40	3
		149		41	40	127	164	46
2		8		262	72	76	91	16
		26	1	129	100	136	141	39
		55		171	135	94	85	5
		13		144	136	83	34	2
		23		51	121	98	78	12
		29		96	86	85	85	1
				126	88	56	33	7
		54	2	34	42	69	87	13
6		12		130	29	46	33	15
	2	9	2	12	30	52	36	13
				92	18	65	39	10
1		44		41	13	62	66	22
				12	2	38	25	57
		16		71	55	46	32	4
		7		73	49	24	12	1
		39		42	21	34	31	17
		27		21	4	25	38	20
		1		115	103	62	2	
				24	7	25	65	14
		36		33	30	31	19	11
		18		15	9	24	38	13
		6		39	29	86	30	
		2		11	1	24	25	14
		1		5	7	30	34	
		6		27	14	38	16	2
				15	8	10	11	3
	1	17		29	19	15	18	2
		2		29	3	21	10	2
	1	16		13	13	21	25	9
		16		17		20	16	18
		8		32	1	22	29	
		17		37	16	20	9	
		8		12	5	31	14	21
	1	5		27	6	21	12	2
		28	1	19	4	28	35	2
1		1		9	3	1	2	
		56		28	11	14	1	1
		1		37	10	12	5	
		3		16	5	9	8	7
		5		19	4	75	13	3
		16		5	1	11	4	10
		6	3	4	26	22	19	2
		7		3	3	6	17	11
1		4		11	3	9	7	5
		2		39	4	3	3	1
		8		13	10	8	11	
				30	10	5	2	
		2		9	7	14	12	2
					2	10	4	5
		4		14	8	9	4	2



		18		1	4	8	2	2
		7		7	3	7	7	5
		1		7		2	1	2
				2	2	7	2	5
				3	6	7	12	1
				23	4	1		
				8		13	2	
		2		2	3	8	7	5
				4		10	1	
		4		6		3	8	10
		2		3		3	5	2
		1		2	5	6	3	1
							1	
				2	1	2	9	2
				13	2	2	1	
		2		2	1	2	1	
		1			2	1	14	
		3		1		2	11	3
				12				
				2		6		
		2		2	1	3	2	
				1			2	
				3	2	1		
		1				4	2	
				2	3	1		
		1		12			1	
		1						1
							2	
						5		
				1	2	1	1	
				3		2	1	
				2	2	1	1	
				2	5	3		
						2		
				1	1			
				6				
		2						
							1	1
							3	
				2				
						2		





2	20	4	4	147	1673	NOR
6	95	7	1	144	1286	MYAB
3	9	14	1	72	1201	BVI
6	51			103	1187	LAV
5	15			60	1144	CHTA
	2			170	1025	ITL
2	15			54	833	MEX
1				51	788	IRS
	29	1		24	746	SWD
1	39		1	9	659	RUM
2	5			56	624	GBI
				25	623	VEN
4	1			24	530	NTH
	35		3	18	513	BUL
4	2			54	473	MAL
	2			35	426	YUG
	7			16	407	SPN
2	20	9	1	29	403	TUR
3	13	6		33	395	PAK
					364	DOM
1				87	361	SNG
	18	1	1	23	329	TRK
7		5		6	287	IDA
					271	NIC
	2	2		9	241	BNG
	1			37	233	PAN
	1		2	16	230	BRZ
1	5			31	218	CAN
	10	1		3	214	CHL
	4			12	210	BLG
		1		12	210	PER
	15			21	207	GEO
				3	202	GRE
	2	1		11	200	COL
1	3	1		19	194	SRI
	9		4	2	186	LTH
	4			11	177	HKG
		1	3	10	170	USA
6	3			2	169	GUA
	6	1		18	165	FRA
	8			11	151	ETN
	1				151	HON
	5			4	128	EGY
	16		1	3	125	ECU
	1	1		33	110	THA
				16	105	IRP
	4				103	SLO
				4	102	PTG
				2	98	FIN
	3			1	92	UNK
	3			22	90	JAM
	1				79	HUN

					79	URG
	3			11	76	ALG
	4			6	75	BEL
5		2	1	19	70	SAF
	37			1	69	GHA
					61	BAH
	2			1	56	AUS
				1	56	SVC
				1	53	VNM
					40	HAI
	1				40	JOR
	3				35	CZR
	2				33	GUY
					30	KIR
					30	SWZ
					29	NZL
					28	BZE
				2	27	ARG
				1	27	ELS
	1				23	MDV
					19	CUB
	1				19	CYP
				1	19	MGY
					17	SYR
				1	16	AST
	1				16	AZE
				2	16	FGU
					15	SVK
				2	15	TRI
					14	LEB
					12	IRQ
	1				12	LIB
					12	NEA
	1				12	RCV
					11	DMA
					10	ETH
	1			1	7	FPO
					6	BOL
					6	UGA
1				1	4	COS
	1				4	GUI
				1	4	NIG
					4	TLU
					4	ZAI
		1			3	BBD
					3	FIJ
					3	GRN
					3	ICL
					3	YEM
1				1	2	NBA
					2	SLC
					2	SNN

					1	ABB
						1 BRN
						1 BRU
				1		1 CMB
				1		1 CON
						1 EQG
						1 FAR
						1 GAB
						1 GDL
						1 KAZ
						1 LAM
						1 LIE
						1 QAT
				1		1 SAU
						1 SUD
						1 TOG

## CREW NATIONALITIES (U ALL VESSEL TY

<u>NATIONALITY</u>	<u>TOTAL ENGINE</u>		<u>J.ENG/QMED</u>		<u>ELECTRICIANS</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	18,199	43.3%	213	16.8%	1,138	25.9%
CHINESE (PRC)	2,012	4.8%	67	5.3%	87	2.0%
RUSSIAN	2,055	4.9%	7	0.6%	307	7.0%
INDIAN	2,136	5.1%	242	19.0%	124	2.8%
UKRAINIAN	2,009	4.8%	4	0.3%	262	6.0%
POLISH	2,519	6.0%	5	0.4%	625	14.2%
KOREAN**	1,245	3.0%	189	14.9%	28	0.6%
CROATIAN	982	2.3%	26	2.0%	272	6.2%
GREEK	626	1.5%	110	8.7%	212	4.8%
MYANMAR	818	1.9%	56	4.4%	39	0.9%
<b>TOP 10</b>	<b>32,601</b>	<b>77.6%</b>	<b>919</b>	<b>72.3%</b>	<b>3,094</b>	<b>70.4%</b>
INDONESIAN	450	1.1%	28	2.2%	10	0.2%
LATVIAN	451	1.1%	7	0.6%	60	1.4%
ROMANIAN	691	1.6%	6	0.5%	148	3.4%
HONDURAN	279	0.7%	7	0.6%	6	0.1%
DOMINICAN	201	0.5%	-	0.0%	-	0.0%
TAWANESE	96	0.2%	6	0.5%	5	0.1%
SALVADORAN	214	0.5%	1	0.1%	-	0.0%
CHILEAN	337	0.8%	-	0.0%	40	0.9%
ISREALI	243	0.6%	3	0.2%	92	2.1%
I-KIRIBATI	151	0.4%	2	0.2%	-	0.0%
<b>2ND 10</b>	<b>3,113</b>	<b>7.4%</b>	<b>60</b>	<b>4.7%</b>	<b>361</b>	<b>8.2%</b>
<b>TOP 20</b>	<b>35,714</b>	<b>85.0%</b>	<b>979</b>	<b>77.0%</b>	<b>3,455</b>	<b>78.6%</b>
<b>TOTAL</b>	<b>42,028</b>	<b>100.0%</b>	<b>1,271</b>	<b>100.0%</b>	<b>4,393</b>	<b>100.0%</b>

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

**UNLICENSED ENGINE)  
/PES (1998)**

<u>PUMP/FITTER/MECH</u>		<u>OILER/MOTOR</u>		<u>WIPER/DEU</u>		<u>OTHER ENGINE</u>	
<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
4,010	37.2%	9,547	50.2%	3,074	55.8%	217	20.7%
319	3.0%	1,437	7.6%	84	1.5%	18	1.7%
473	4.4%	1,113	5.8%	122	2.2%	33	3.1%
645	6.0%	529	2.8%	252	4.6%	344	32.8%
736	6.8%	741	3.9%	209	3.8%	57	5.4%
1,254	11.6%	371	1.9%	227	4.1%	37	3.5%
70	0.6%	902	4.7%	48	0.9%	8	0.8%
342	3.2%	252	1.3%	76	1.4%	14	1.3%
166	1.5%	86	0.5%	30	0.5%	22	2.1%
163	1.5%	418	2.2%	135	2.5%	7	0.7%
<b>8,178</b>	<b>75.9%</b>	<b>15,396</b>	<b>80.9%</b>	<b>4,257</b>	<b>77.3%</b>	<b>757</b>	<b>72.1%</b>
139	1.3%	160	0.8%	106	1.9%	7	0.7%
224	2.1%	141	0.7%	10	0.2%	9	0.9%
293	2.7%	213	1.1%	22	0.4%	9	0.9%
35	0.3%	209	1.1%	20	0.4%	2	0.2%
22	0.2%	163	0.9%	15	0.3%	1	0.1%
43	0.4%	33	0.2%	6	0.1%	3	0.3%
8	0.1%	137	0.7%	68	1.2%	-	0.0%
115	1.1%	129	0.7%	44	0.8%	9	0.9%
9	0.1%	138	0.7%	1	0.0%	-	0.0%
24	0.2%	122	0.6%	1	0.0%	2	0.2%
<b>912</b>	<b>8.5%</b>	<b>1,445</b>	<b>7.6%</b>	<b>293</b>	<b>5.3%</b>	<b>42</b>	<b>4.0%</b>
<b>9,090</b>	<b>84.4%</b>	<b>16,841</b>	<b>88.5%</b>	<b>4,550</b>	<b>82.6%</b>	<b>799</b>	<b>76.1%</b>
<b>10,774</b>	<b>100.0%</b>	<b>19,030</b>	<b>100.0%</b>	<b>5,510</b>	<b>100.0%</b>	<b>1,050</b>	<b>100.0%</b>



## CREW NATIONALITIES (UNLICEN ALL VESSEL TYPES (19

<u>NATIONALITY</u>	<u>TOTAL DECK</u>		<u>BOSUN</u>		<u>AB SEAMAN</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	27,563	48.3%	3,601	44.5%	14,627	48.7%
CHINESE (PRC)	3,820	6.7%	425	5.2%	2,085	6.9%
RUSSIAN	2,473	4.3%	474	5.9%	1,150	3.8%
INDIAN	2,577	4.5%	214	2.6%	982	3.3%
UKRAINIAN	2,051	3.6%	307	3.8%	1,200	4.0%
POLISH	1,466	2.6%	185	2.3%	808	2.7%
KOREAN**	1,413	2.5%	367	4.5%	807	2.7%
CROATIAN	1,028	1.8%	186	2.3%	544	1.8%
GREEK	903	1.6%	384	4.7%	487	1.6%
MYANMAR	1,054	1.8%	120	1.5%	527	1.8%
<b>TOP 10</b>	<b>44,348</b>	<b>77.7%</b>	<b>6,263</b>	<b>77.3%</b>	<b>23,217</b>	<b>77.3%</b>
INDONESIAN	881	1.5%	88	1.1%	543	1.8%
LATVIAN	618	1.1%	123	1.5%	250	0.8%
ROMANIAN	391	0.7%	31	0.4%	189	0.6%
HONDURAN	689	1.2%	105	1.3%	504	1.7%
DOMINICAN	548	1.0%	179	2.2%	346	1.2%
TAWANESE	662	1.2%	50	0.6%	131	0.4%
SALVADORAN	532	0.9%	45	0.6%	324	1.1%
CHILEAN	355	0.6%	47	0.6%	173	0.6%
ISREALI	349	0.6%	91	1.1%	215	0.7%
I-KIRIBATI	537	0.9%	63	0.8%	329	1.1%
<b>2ND 10</b>	<b>5,562</b>	<b>9.7%</b>	<b>822</b>	<b>10.1%</b>	<b>3,004</b>	<b>10.0%</b>
<b>TOP 20</b>	<b>49,910</b>	<b>87.4%</b>	<b>7,085</b>	<b>87.5%</b>	<b>26,221</b>	<b>87.3%</b>
<b>TOTAL</b>	<b>57,103</b>	<b>100.0%</b>	<b>8,100</b>	<b>100.0%</b>	<b>30,024</b>	<b>100.0%</b>

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.





**CREW NATIONALA  
ALL VES**

<u>NATIONALITY</u>	<u>ENGINE OFFICERS</u>		<u>CHIEF ENGINEERS</u>		<u>IST ENGINEERS</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	8,396	22.8%	1,063	11.2%	838	17.2%
INDIAN	2,666	7.2%	632	6.6%	184	3.8%
GREEK	2,878	7.8%	1,040	10.9%	133	2.7%
RUSSIAN	2,423	6.6%	547	5.7%	336	6.9%
CHINESE (PRC)	2,144	5.8%	388	4.1%	213	4.4%
UKRAINIAN	1,733	4.7%	351	3.7%	113	2.3%
KOREAN**	1,652	4.5%	444	4.7%	417	8.6%
POLISH	1,620	4.4%	481	5.1%	155	3.2%
CROATIAN	1,348	3.7%	395	4.1%	382	7.9%
GERMAN	923	2.5%	588	6.2%	67	1.4%
<b>TOP 10</b>	<b>25,783</b>	<b>70.0%</b>	<b>5,929</b>	<b>62.3%</b>	<b>2,838</b>	<b>58.3%</b>
DANISH	936	2.5%	470	4.9%	193	4.0%
JAPANESE	706	1.9%	377	4.0%	208	4.3%
NORWEGIAN	637	1.7%	323	3.4%	155	3.2%
MYANMAR	519	1.4%	41	0.4%	40	0.8%
BRITISH VIRGIN ISLANDERS	529	1.4%	262	2.8%	72	1.5%
LATVIAN	602	1.6%	129	1.4%	100	2.1%
TAIWANESE	510	1.4%	171	1.8%	135	2.8%
ITALIAN	401	1.1%	144	1.5%	136	2.8%
MEXICAN	377	1.0%	51	0.5%	121	2.5%
ISRAELI	354	1.0%	96	1.0%	86	1.8%
<b>2ND 10</b>	<b>5,571</b>	<b>15.1%</b>	<b>2,064</b>	<b>21.7%</b>	<b>1,246</b>	<b>25.6%</b>
<b>TOP 20</b>	<b>31,354</b>	<b>85.1%</b>	<b>7,993</b>	<b>84.0%</b>	<b>4,084</b>	<b>83.9%</b>
<b>TOTAL</b>	<b>36,846</b>	<b>100.0%</b>	<b>9,520</b>	<b>100.0%</b>	<b>4,866</b>	<b>100.0%</b>

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

**LITIES (ENGINE OFFICERS)  
SEL TYPES (1998)**

<u>2ND ENGINEERS</u>		<u>3RD ENGINEERS</u>		<u>4TH ENGINEERS</u>		<u>5TH ENGINEERS</u>		<u>ELECT. EN</u>
<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>
2,522	28.2%	2,572	32.2%	1,262	37.7%	27	9.3%	112
541	6.0%	500	6.3%	397	11.9%	137	47.4%	275
778	8.7%	882	11.0%	12	0.4%	1	0.3%	32
515	5.8%	456	5.7%	150	4.5%	5	1.7%	414
423	4.7%	434	5.4%	330	9.9%	10	3.5%	346
422	4.7%	383	4.8%	211	6.3%	12	4.2%	241
365	4.1%	381	4.8%	3	0.1%	3	1.0%	39
406	4.5%	334	4.2%	145	4.3%	19	6.6%	80
365	4.1%	144	1.8%	34	1.0%	7	2.4%	21
212	2.4%	29	0.4%	-	0.0%	3	1.0%	24
<b>6,549</b>	<b>73.2%</b>	<b>6,115</b>	<b>76.5%</b>	<b>2,544</b>	<b>76.0%</b>	<b>224</b>	<b>77.5%</b>	<b>1,584</b>
187	2.1%	35	0.4%	8	0.2%	-	0.0%	43
53	0.6%	65	0.8%	1	0.0%	1	0.3%	1
94	1.1%	40	0.5%	3	0.1%	2	0.7%	20
127	1.4%	164	2.1%	46	1.4%	6	2.1%	95
76	0.8%	91	1.1%	16	0.5%	3	1.0%	9
136	1.5%	141	1.8%	39	1.2%	6	2.1%	51
94	1.1%	85	1.1%	5	0.1%	5	1.7%	15
83	0.9%	34	0.4%	2	0.1%	-	0.0%	2
98	1.1%	78	1.0%	12	0.4%	2	0.7%	15
85	0.9%	85	1.1%	1	0.0%	1	0.3%	-
<b>1,033</b>	<b>11.5%</b>	<b>818</b>	<b>10.2%</b>	<b>133</b>	<b>4.0%</b>	<b>26</b>	<b>9.0%</b>	<b>251</b>
<b>7,582</b>	<b>84.7%</b>	<b>6,933</b>	<b>86.8%</b>	<b>2,677</b>	<b>80.0%</b>	<b>250</b>	<b>86.5%</b>	<b>1,835</b>
<b>8,952</b>	<b>100.0%</b>	<b>7,989</b>	<b>100.0%</b>	<b>3,347</b>	<b>100.0%</b>	<b>289</b>	<b>100.0%</b>	<b>2,172</b>



**CREW NATIONALITIES (**  
**ALL VESSEL TYI**

<u>NATIONALITY</u>	<u>DECK OFFICERS</u>		<u>MASTERS</u>		<u>CHIEF OFFICERS</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	10,855	25.1%	867	9.0%	1,947	18.0%
INDIAN	2,641	6.1%	693	7.2%	672	6.2%
GREEK	3,298	7.6%	1,128	11.7%	904	8.4%
RUSSIAN	2,628	6.1%	462	4.8%	639	5.9%
CHINESE (PRC)	2,203	5.1%	367	3.8%	517	4.8%
UKRAINIAN	1,840	4.3%	321	3.3%	443	4.1%
KOREAN**	1,916	4.4%	471	4.9%	452	4.2%
POLISH	1,674	3.9%	274	2.8%	560	5.2%
CROATIAN	1,218	2.8%	245	2.5%	494	4.6%
GERMAN	1,536	3.6%	898	9.3%	432	4.0%
<b>TOP 10</b>	<b>29,809</b>	<b>68.9%</b>	<b>5,726</b>	<b>59.4%</b>	<b>7,060</b>	<b>65.3%</b>
DANISH	1,162	2.7%	540	5.6%	401	3.7%
JAPANESE	1,048	2.4%	393	4.1%	351	3.2%
NORWEGIAN	881	2.0%	425	4.4%	284	2.6%
MYANMAR	615	1.4%	21	0.2%	82	0.8%
BRITISH VIRGIN ISLANDERS	585	1.4%	308	3.2%	123	1.1%
LATVIAN	482	1.1%	105	1.1%	120	1.1%
TAIWANESE	574	1.3%	157	1.6%	158	1.5%
ITALIAN	454	1.0%	160	1.7%	145	1.3%
MEXICAN	402	0.9%	61	0.6%	115	1.1%
ISRAELI	383	0.9%	94	1.0%	93	0.9%
<b>2ND 10</b>	<b>6,586</b>	<b>15.2%</b>	<b>2,264</b>	<b>23.5%</b>	<b>1,872</b>	<b>17.3%</b>
<b>TOP 20</b>	<b>36,395</b>	<b>84.1%</b>	<b>7,990</b>	<b>82.9%</b>	<b>8,932</b>	<b>82.6%</b>
<b>TOTAL</b>	<b>43,263</b>	<b>100.0%</b>	<b>9,641</b>	<b>100.0%</b>	<b>10,809</b>	<b>100.0%</b>

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

**(DECK OFFICERS)  
PES (1998)**

<u>2ND OFFICER</u>		<u>3RD OFFICER</u>		<u>4TH OFFICER</u>		<u>RADIO OFFICERS</u>	
<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
3,207	31.5%	3,376	44.4%	84	15.9%	1,374	30.6%
593	5.8%	379	5.0%	10	1.9%	294	6.6%
896	8.8%	36	0.5%	65	12.3%	269	6.0%
626	6.1%	479	6.3%	15	2.8%	407	9.1%
416	4.1%	439	5.8%	55	10.4%	409	9.1%
471	4.6%	321	4.2%	6	1.1%	278	6.2%
381	3.7%	338	4.4%	24	4.6%	250	5.6%
408	4.0%	249	3.3%	28	5.3%	155	3.5%
261	2.6%	158	2.1%	7	1.3%	53	1.2%
174	1.7%	18	0.2%	12	2.3%	2	0.0%
<b>7,433</b>	<b>73.0%</b>	<b>5,793</b>	<b>76.1%</b>	<b>306</b>	<b>58.1%</b>	<b>3,491</b>	<b>77.8%</b>
132	1.3%	36	0.5%	51	9.7%	2	0.0%
78	0.8%	74	1.0%	44	8.3%	108	2.4%
106	1.0%	42	0.6%	18	3.4%	6	0.1%
191	1.9%	170	2.2%	2	0.4%	149	3.3%
86	0.8%	55	0.7%	5	0.9%	8	0.2%
130	1.3%	99	1.3%	1	0.2%	27	0.6%
116	1.1%	88	1.2%	-	0.0%	55	1.2%
86	0.8%	49	0.6%	1	0.2%	13	0.3%
104	1.0%	96	1.3%	3	0.6%	23	0.5%
85	0.8%	82	1.1%	-	0.0%	29	0.6%
<b>1,114</b>	<b>10.9%</b>	<b>791</b>	<b>10.4%</b>	<b>125</b>	<b>23.7%</b>	<b>420</b>	<b>9.4%</b>
<b>8,547</b>	<b>83.9%</b>	<b>6,584</b>	<b>86.5%</b>	<b>431</b>	<b>81.8%</b>	<b>3,911</b>	<b>87.2%</b>
<b>10,189</b>	<b>100.0%</b>	<b>7,612</b>	<b>100.0%</b>	<b>527</b>	<b>100.0%</b>	<b>4,485</b>	<b>100.0%</b>



**CREW NATIONALITIES (UNLICENSED STEWARDS)  
ALL VESSEL TYPES (1998)**

<u>NATIONALITY</u>	<u>TOTAL STEWARD</u>		<u>CHIEF STEWARD/COOK</u>		<u>COOKS</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	10,030	43.6%	2,057	49.8%	3,165	41.0%
CHINESE (PRC)	1,489	6.5%	366	8.9%	415	5.4%
RUSSIAN	1,008	4.4%	80	1.9%	458	5.9%
INDIAN	813	3.5%	240	5.8%	195	2.5%
UKRAINIAN	850	3.7%	97	2.3%	316	4.1%
POLISH	633	2.8%	43	1.0%	229	3.0%
KOREAN**	601	2.6%	192	4.6%	209	2.7%
CROATIAN	467	2.0%	79	1.9%	154	2.0%
GREEK	826	3.6%	119	2.9%	525	6.8%
MYANMAR	359	1.6%	80	1.9%	101	1.3%
<b>TOP 10</b>	<b>17,076</b>	<b>74.2%</b>	<b>3,353</b>	<b>81.2%</b>	<b>5,767</b>	<b>74.7%</b>
INDONESIAN	338	1.5%	43	1.0%	84	1.1%
LATVIAN	253	1.1%	17	0.4%	105	1.4%
ROMANIAN	219	1.0%	4	0.1%	75	1.0%
HONDURAN	324	1.4%	4	0.1%	167	2.2%
DOMINICAN	218	0.9%	-	0.0%	137	1.8%
TAWANESE	199	0.9%	102	2.5%	39	0.5%
SALVADORAN	178	0.8%	1	0.0%	32	0.4%
CHILEAN	216	0.9%	31	0.8%	43	0.6%
ISREALI	299	1.3%	73	1.8%	25	0.3%
I-KIRIBATI	172	0.7%	2	0.0%	41	0.5%
<b>2ND 10</b>	<b>2,416</b>	<b>10.5%</b>	<b>277</b>	<b>6.7%</b>	<b>748</b>	<b>9.7%</b>
<b>TOP 20</b>	<b>19,492</b>	<b>84.7%</b>	<b>3,630</b>	<b>87.9%</b>	<b>6,515</b>	<b>84.4%</b>
<b>TOTAL</b>	<b>23,004</b>	<b>100.0%</b>	<b>4,130</b>	<b>100.0%</b>	<b>7,723</b>	<b>100.0%</b>

\*\* Primarily South Korean, but due to a data input error totals could include some North Koreans.

**VARD)**

<u>STEWARDS</u>		<u>MESSEMEN/BOYS</u>	
<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
1,079	22.8%	3,729	58.1%
328	6.9%	380	5.9%
325	6.9%	145	2.3%
169	3.6%	209	3.3%
190	4.0%	247	3.8%
214	4.5%	147	2.3%
180	3.8%	20	0.3%
178	3.8%	56	0.9%
160	3.4%	22	0.3%
94	2.0%	84	1.3%
<b>2,917</b>	<b>61.6%</b>	<b>5,039</b>	<b>78.5%</b>
96	2.0%	115	1.8%
79	1.7%	52	0.8%
83	1.8%	57	0.9%
3	0.1%	150	2.3%
1	0.0%	80	1.2%
15	0.3%	43	0.7%
48	1.0%	97	1.5%
53	1.1%	89	1.4%
171	3.6%	30	0.5%
58	1.2%	71	1.1%
<b>607</b>	<b>12.8%</b>	<b>784</b>	<b>12.2%</b>
<b>3,524</b>	<b>74.5%</b>	<b>5,823</b>	<b>90.7%</b>
<b>4,732</b>	<b>100.0%</b>	<b>6,419</b>	<b>100.0%</b>

	1200	1201	1202	1203
	1200	1201	1202	1203
10,030	1927	2018	1144	3
1,489	349	287	128	
1,008	76	408	49	1
813	174	106	89	
850	97	256	60	
633	13	223	6	
601	17	209		
467	58	133	21	
826	106	516	9	
359	78	70	31	
-				
17,076				
-				
338	42	57	27	
253	17	103	2	
219	1	63	4	8
324	4	156	11	
218		137		
199	96	37	2	
178	1	8	24	
216	27	34	9	
299	70	25		
172	1	35	6	
-				
2,416				
-				
19,492				
-				
23,004				
-				



**TOTAL UNLICENSED**

<b><u>Entries</u></b>	<b><u>Percent</u></b>
55,792	45.7%
7,321	6.0%
5,526	4.5%
5,536	4.5%
4,910	4.0%
2,355	1.9%
4,618	3.8%
3,259	2.7%
2,477	2.0%
2,231	1.8%
<b>94,025</b>	<b>77.0%</b>
543	0.4%
771	0.6%
1,322	1.1%
957	0.8%
274	0.2%
334	0.3%
1,301	1.1%
1,669	1.4%
891	0.7%
812	0.7%
<b>8,874</b>	<b>7.3%</b>
<b>102,899</b>	<b>84.2%</b>
<b>122,170</b>	<b>100.0%</b>