

CREW NATIONALITIES (OFFICERS) BULKERS (2000)*

<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	9,223	27.3%	4,322	27.3%	3,800	25.5%
CHINESE (PRC)	2,975	8.8%	1,347	8.5%	1,324	8.9%
INDIAN	2,747	8.1%	1,091	6.9%	1,102	7.4%
GREEK	2,686	8.0%	1,367	8.6%	1,303	8.7%
UKRANIAN	2,474	7.3%	1,123	7.1%	1,195	8.0%
RUSSIAN	2,194	6.5%	1,037	6.6%	1,043	7.0%
POLISH	1,732	5.1%	829	5.2%	861	5.8%
CROATIAN	966	2.9%	470	3.0%	470	3.2%
MYANMAR	526	1.6%	200	1.3%	245	1.6%
DANISH	520	1.5%	272	1.7%	233	1.6%
Top 10	26,043	77.2%	12,058	76.3%	11,576	77.7%
INDONESIAN	493	1.5%	196	1.2%	168	1.1%
TURKISH	433	1.3%	216	1.4%	169	1.1%
ROMANIAN	409	1.2%	196	1.2%	197	1.3%
GERMAN	385	1.1%	244	1.5%	124	0.8%
BULGARIAN	369	1.1%	155	1.0%	193	1.3%
LATVIAN	355	1.1%	151	1.0%	151	1.0%
KOREAN***	348	1.0%	182	1.2%	165	1.1%
JAPANESE	251	0.7%	129	0.8%	115	0.8%
SWEDISH	239	0.7%	112	0.7%	109	0.7%
TURKMEN	234	0.7%	119	0.8%	97	0.7%
2ND 10	3,516	10.4%	1,700	10.8%	1,488	10.0%
TOP 20	29,559	87.6%	13,758	87.0%	13,064	87.7%
TOTAL	33,735	100.0%	15,806	100.0%	14,893	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

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

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

CREW NATIONALITIES BULKERS (:

<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	4,322	27.3%	668	17.0%	1,070	25.6%
CHINESE (PRC)	1,347	8.5%	227	5.8%	296	7.1%
INDIAN	1,091	6.9%	303	7.7%	298	7.1%
GREEK	1,367	8.6%	608	15.5%	398	9.5%
UKRANIAN	1,123	7.1%	207	5.3%	334	8.0%
RUSSIAN	1,037	6.6%	215	5.5%	283	6.8%
POLISH	829	5.2%	228	5.8%	253	6.0%
CROATIAN	470	3.0%	129	3.3%	157	3.8%
MYANMAR	200	1.3%	22	0.6%	31	0.7%
DANISH	272	1.7%	140	3.6%	85	2.0%
TOP 10	12,058	76.3%	2,747	70.0%	3,205	76.6%
INDONESIAN	196	1.2%	11	0.3%	25	0.6%
TURKISH	216	1.4%	53	1.4%	47	1.1%
ROMANIAN	196	1.2%	38	1.0%	56	1.3%
GERMAN	244	1.5%	186	4.7%	46	1.1%
BULGARIAN	155	1.0%	33	0.8%	35	0.8%
LATVIAN	151	1.0%	35	0.9%	35	0.8%
KOREAN***	182	1.2%	80	2.0%	48	1.1%
JAPANESE	129	0.8%	69	1.8%	36	0.9%
SWEDISH	112	0.7%	45	1.1%	30	0.7%
TURKMEN	119	0.8%	28	0.7%	27	0.6%
2ND 10	1,700	10.8%	578	14.7%	385	9.2%
TOP 20	13,758	87.0%	3,325	84.8%	3,590	85.8%
TOTAL	15,806	100.0%	3,923	100.0%	4,182	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

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

**(DECK OFFICERS)
2000)***

<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>
1,325	32.6%	1,162	39.3%	4	6.6%	93	15.0%
311	7.7%	286	9.7%	27	44.3%	200	32.3%
223	5.5%	209	7.1%	3	4.9%	55	8.9%
319	7.9%	16	0.5%	9	14.8%	17	2.7%
327	8.1%	246	8.3%	-	0.0%	9	1.5%
287	7.1%	196	6.6%	1	1.6%	55	8.9%
186	4.6%	159	5.4%	1	1.6%	2	0.3%
95	2.3%	85	2.9%	4	6.6%	-	0.0%
71	1.7%	64	2.2%	1	1.6%	11	1.8%
39	1.0%	6	0.2%	1	1.6%	1	0.2%
3,183	78.4%	2,429	82.1%	51	83.6%	443	71.5%
83	2.0%	61	2.1%	3	4.9%	13	2.1%
52	1.3%	27	0.9%	1	1.6%	36	5.8%
65	1.6%	37	1.3%	-	0.0%	-	0.0%
12	0.3%	-	0.0%	-	0.0%	-	0.0%
41	1.0%	45	1.5%	-	0.0%	1	0.2%
35	0.9%	43	1.5%	-	0.0%	3	0.5%
27	0.7%	22	0.7%	-	0.0%	5	0.8%
8	0.2%	2	0.1%	-	0.0%	14	2.3%
15	0.4%	21	0.7%	1	1.6%	-	0.0%
33	0.8%	13	0.4%	1	1.6%	17	2.7%
371	9.1%	271	9.2%	6	9.8%	89	14.4%
3,554	87.5%	2,700	91.2%	57	93.4%	532	85.8%
4,060	100.0%	2,960	100.0%	61	100.0%	620	100.0%

CREW NATIONALITIES (U BULKERS*

<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	6,224	39.2%	51	17.9%	456	26.1%
CHINESE (PRC)	1,177	7.4%	43	15.1%	30	1.7%
UKRAINIAN	1,189	7.5%	3	1.1%	175	10.0%
INDIAN	1,206	7.6%	60	21.1%	86	4.9%
RUSSIAN	804	5.1%	-	0.0%	150	8.6%
POLISH	927	5.8%	-	0.0%	242	13.9%
INDONESIAN	299	1.9%	37	13.0%	5	0.3%
CROATIAN	316	2.0%	1	0.4%	115	6.6%
MYANMAR	311	2.0%	27	9.5%	43	2.5%
GREEK	159	1.0%	7	2.5%	79	4.5%
TOP 10	12,612	79.4%	229	80.4%	1,381	79.2%
TURKMEN	280	1.8%	-	0.0%	37	2.1%
HONDURAN	202	1.3%	1	0.4%	2	0.1%
BULGARIAN	290	1.8%	-	0.0%	15	0.9%
SALVADORAN	116	0.7%	-	0.0%	-	0.0%
LATVIAN	199	1.3%	-	0.0%	11	0.6%
TURKISH	163	1.0%	-	0.0%	11	0.6%
CHILEAN	163	1.0%	-	0.0%	30	1.7%
NICARAGUAN	87	0.5%	-	0.0%	5	0.3%
ROMANIAN	264	1.7%	1	0.4%	68	3.9%
EGYPTIAN	83	0.5%	-	0.0%	15	0.9%
2ND 10	1,847	11.6%	2	0.7%	194	11.1%
TOP 20	14,459	91.0%	231	81.1%	1,575	90.3%
TOTAL	15,882	100.0%	285	100.0%	1,744	100.0%

* Includes dry bulk carriers, freighters, ore carriers and

**UNLICENSED ENGINE)
(2000)**

<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>
850	26.7%	3,830	45.6%	960	55.2%	77	14.6%
169	5.3%	829	9.9%	87	5.0%	19	3.6%
287	9.0%	550	6.5%	156	9.0%	18	3.4%
244	7.7%	427	5.1%	116	6.7%	273	51.9%
142	4.5%	410	4.9%	74	4.3%	28	5.3%
395	12.4%	244	2.9%	30	1.7%	16	3.0%
56	1.8%	155	1.8%	34	2.0%	12	2.3%
88	2.8%	74	0.9%	37	2.1%	1	0.2%
64	2.0%	149	1.8%	24	1.4%	4	0.8%
26	0.8%	19	0.2%	21	1.2%	7	1.3%
2,321	72.8%	6,687	79.6%	1,539	88.6%	455	86.5%
81	2.5%	134	1.6%	28	1.6%	-	0.0%
9	0.3%	171	2.0%	18	1.0%	1	0.2%
141	4.4%	120	1.4%	8	0.5%	6	1.1%
2	0.1%	99	1.2%	15	0.9%	-	0.0%
97	3.0%	86	1.0%	5	0.3%	-	0.0%
35	1.1%	87	1.0%	11	0.6%	19	3.6%
51	1.6%	79	0.9%	1	0.1%	2	0.4%
2	0.1%	70	0.8%	8	0.5%	2	0.4%
128	4.0%	57	0.7%	8	0.5%	2	0.4%
36	1.1%	24	0.3%	5	0.3%	3	0.6%
582	18.3%	927	11.0%	107	6.2%	35	6.7%
2,903	91.1%	7,614	90.6%	1,646	94.7%	490	93.2%
3,188	100.0%	8,401	100.0%	1,738	100.0%	526	100.0%

CREW NATIONALITIES (UNLICEN BULKERS* (2000)

<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	9,797	41.7%	1,386	40.0%	5,253	42.1%
CHINESE (PRC)	2,088	8.9%	272	7.8%	1,133	9.1%
UKRAINIAN	1,442	6.1%	208	6.0%	740	5.9%
INDIAN	1,032	4.4%	133	3.8%	517	4.1%
RUSSIAN	1,280	5.5%	207	6.0%	615	4.9%
POLISH	943	4.0%	156	4.5%	494	4.0%
INDONESIAN	699	3.0%	91	2.6%	372	3.0%
CROATIAN	442	1.9%	67	1.9%	213	1.7%
MYANMAR	433	1.8%	56	1.6%	242	1.9%
GREEK	336	1.4%	138	4.0%	182	1.5%
TOP 10	18,492	78.8%	2,714	78.3%	9,761	78.3%
TURKMEN	346	1.5%	64	1.8%	177	1.4%
HONDURAN	390	1.7%	45	1.3%	241	1.9%
BULGARIAN	262	1.1%	34	1.0%	105	0.8%
SALVADORAN	406	1.7%	37	1.1%	213	1.7%
LATVIAN	216	0.9%	39	1.1%	112	0.9%
TURKISH	233	1.0%	43	1.2%	122	1.0%
CHILEAN	234	1.0%	37	1.1%	130	1.0%
NICARAGUAN	287	1.2%	43	1.2%	183	1.5%
ROMANIAN	99	0.4%	10	0.3%	56	0.4%
EGYPTIAN	189	0.8%	29	0.8%	102	0.8%
2ND 10	2,662	11.3%	381	11.0%	1,441	11.6%
TOP 20	21,154	90.1%	3,095	89.3%	11,202	89.9%
TOTAL	23,477	100.0%	3,467	100.0%	12,467	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

**CREW NATIONALITIES (UNLICENSED)
BULKERS* (2000)**

<u>NATIONALITY</u>	<u>TOTAL UNLICENSED</u>		<u>DECK UNLICENSED</u>		<u>ENGINE UNLICENSED</u>	
	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>	<u>Entries</u>	<u>Percent</u>
FILIPINO	19,276	39.8%	9,797	41.7%	6,224	39.2%
CHINESE (PRC)	4,214	8.7%	2,088	8.9%	1,177	7.4%
UKRAINIAN	3,203	6.6%	1,442	6.1%	1,189	7.5%
INDIAN	2,676	5.5%	1,032	4.4%	1,206	7.6%
RUSSIAN	2,504	5.2%	1,280	5.5%	804	5.1%
POLISH	2,348	4.9%	943	4.0%	927	5.8%
INDONESIAN	1,262	2.6%	699	3.0%	299	1.9%
CROATIAN	944	2.0%	442	1.9%	316	2.0%
MYANMAR	889	1.8%	433	1.8%	311	2.0%
GREEK	873	1.8%	336	1.4%	159	1.0%
TOP 10	38,189	78.9%	18,492	78.8%	12,612	79.4%
TURKMEN	752	1.6%	346	1.5%	280	1.8%
HONDURAN	742	1.5%	390	1.7%	202	1.3%
BULGARIAN	723	1.5%	262	1.1%	290	1.8%
SALVADORAN	634	1.3%	406	1.7%	116	0.7%
LATVIAN	520	1.1%	216	0.9%	199	1.3%
TURKISH	487	1.0%	233	1.0%	163	1.0%
CHILEAN	473	1.0%	234	1.0%	163	1.0%
NICARAGUAN	441	0.9%	287	1.2%	87	0.5%
ROMANIAN	412	0.9%	99	0.4%	264	1.7%
EGYPTIAN	346	0.7%	189	0.8%	83	0.5%
2ND 10	5,530	11.4%	2,662	11.3%	1,847	11.6%
TOP 20	43,719	90.3%	21,154	90.1%	14,459	91.0%
TOTAL	48,410	100.0%	23,477	100.0%	15,882	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

**CREW NATIONALITY
BU**

<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	3,800	25.5%	688	17.3%	369	25.9%
CHINESE (PRC)	1,324	8.9%	266	6.7%	147	10.3%
INDIAN	1,102	7.4%	306	7.7%	72	5.0%
GREEK	1,303	8.7%	533	13.4%	51	3.6%
UKRANIAN	1,195	8.0%	266	6.7%	37	2.6%
RUSSIAN	1,043	7.0%	272	6.8%	73	5.1%
POLISH	861	5.8%	292	7.3%	71	5.0%
CROATIAN	470	3.2%	138	3.5%	119	8.3%
MYANMAR	245	1.6%	17	0.4%	12	0.8%
DANISH	233	1.6%	111	2.8%	34	2.4%
TOP 10	11,576	77.7%	2,889	72.5%	985	69.0%
INDONESIAN	168	1.1%	23	0.6%	12	0.8%
TURKISH	169	1.1%	49	1.2%	31	2.2%
ROMANIAN	197	1.3%	48	1.2%	26	1.8%
GERMAN	124	0.8%	99	2.5%	3	0.2%
BULGARIAN	193	1.3%	33	0.8%	13	0.9%
LATVIAN	151	1.0%	27	0.7%	11	0.8%
KOREAN***	165	1.1%	80	2.0%	41	2.9%
JAPANESE	115	0.8%	63	1.6%	28	2.0%
SWEDISH	109	0.7%	26	0.7%	16	1.1%
TURKMEN	97	0.7%	32	0.8%	17	1.2%
2ND 10	1,488	10.0%	480	12.0%	198	13.9%
TOP 20	13,064	87.7%	3,369	84.6%	1,183	82.9%
TOTAL	14,893	100.0%	3,984	100.0%	1,427	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

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

**ALITIES (ENGINE OFFICERS)
ILKERS (2000)***

<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>
1,095	29.4%	1,043	31.5%	564	37.2%	5	7.2%	36
261	7.0%	283	8.5%	156	10.3%	6	8.7%	205
243	6.5%	224	6.8%	153	10.1%	36	52.2%	68
378	10.2%	319	9.6%	13	0.9%	-	0.0%	9
299	8.0%	266	8.0%	162	10.7%	1	1.4%	164
251	6.7%	217	6.5%	95	6.3%	-	0.0%	135
201	5.4%	177	5.3%	92	6.1%	-	0.0%	28
99	2.7%	78	2.4%	16	1.1%	4	5.8%	16
51	1.4%	59	1.8%	25	1.6%	1	1.4%	80
55	1.5%	28	0.8%	-	0.0%	1	1.4%	4
2,933	78.8%	2,694	81.2%	1,276	84.2%	54	78.3%	745
32	0.9%	56	1.7%	29	1.9%	11	15.9%	5
47	1.3%	26	0.8%	12	0.8%	-	0.0%	4
38	1.0%	61	1.8%	-	0.0%	-	0.0%	24
21	0.6%	1	0.0%	-	0.0%	-	0.0%	-
63	1.7%	39	1.2%	20	1.3%	1	1.4%	24
45	1.2%	43	1.3%	4	0.3%	-	0.0%	21
23	0.6%	21	0.6%	-	0.0%	-	0.0%	-
15	0.4%	8	0.2%	1	0.1%	-	0.0%	-
19	0.5%	25	0.8%	-	0.0%	-	0.0%	23
26	0.7%	13	0.4%	5	0.3%	-	0.0%	4
329	8.8%	293	8.8%	71	4.7%	12	17.4%	105
3,262	87.7%	2,987	90.1%	1,347	88.9%	66	95.7%	850
3,720	100.0%	3,316	100.0%	1,516	100.0%	69	100.0%	930

CREW NATIONALITIES (UNLICENSED STEW BULKERS* (2000)

<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	3,255	36.0%	878	48.0%	852	31.4%
CHINESE (PRC)	949	10.5%	260	14.2%	152	5.6%
UKRAINIAN	572	6.3%	58	3.2%	231	8.5%
INDIAN	438	4.8%	128	7.0%	90	3.3%
RUSSIAN	420	4.6%	42	2.3%	180	6.6%
POLISH	478	5.3%	27	1.5%	177	6.5%
INDONESIAN	264	2.9%	71	3.9%	35	1.3%
CROATIAN	186	2.1%	35	1.9%	55	2.0%
MYANMAR	145	1.6%	42	2.3%	33	1.2%
GREEK	378	4.2%	46	2.5%	261	9.6%
TOP 10	7,085	78.3%	1,587	86.8%	2,066	76.0%
TURKMEN	126	1.4%	6	0.3%	59	2.2%
HONDURAN	150	1.7%	3	0.2%	52	1.9%
BULGARIAN	171	1.9%	10	0.5%	52	1.9%
SALVADORAN	112	1.2%	2	0.1%	16	0.6%
LATVIAN	105	1.2%	16	0.9%	26	1.0%
TURKISH	91	1.0%	1	0.1%	42	1.5%
CHILEAN	76	0.8%	24	1.3%	10	0.4%
NICARAGUAN	67	0.7%	1	0.1%	25	0.9%
ROMANIAN	49	0.5%	2	0.1%	32	1.2%
EGYPTIAN	74	0.8%	14	0.8%	22	0.8%
2ND 10	1,021	11.3%	79	4.3%	336	12.4%
TOP 20	8,106	89.6%	1,666	91.1%	2,402	88.4%
TOTAL	9,051	100.0%	1,828	100.0%	2,717	100.0%

* Includes dry bulk carriers, freighters, ore carriers and OBOs.

