

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All occupations	189,713	186,891	187,396	193,448	206,182
White	156,945	153,899	153,597	157,642	166,533
Asian	14,028	14,110	14,353	15,171	16,763
Black	10,283	10,256	10,776	11,440	12,753
Hispanic	6,757	6,784	6,860	7,232	7,955
American Indian	1,583	1,642	1,675	1,791	1,916
All other	46	54	63	66	59
No report	71	146	72	106	203
Scientists	103,483	103,301	104,790	110,291	120,824
White	87,440	86,780	87,347	91,259	98,761
Asian	5,261	5,490	5,805	6,429	7,594
Black	6,720	6,778	7,310	7,893	9,051
Hispanic	3,028	3,101	3,172	3,449	3,986
American Indian	952	1,029	1,058	1,149	1,258
All other	39	40	49	53	48
No report	43	83	49	59	126
Computer and mathematical sciences	28,073	27,963	28,339	31,525	39,223
White	22,419	22,125	22,224	24,513	30,011
Asian	1,931	2,011	2,133	2,438	3,215
Black	2,756	2,821	2,994	3,393	4,361
Hispanic	782	776	775	911	1,253
American Indian	167	191	191	240	320
All other	2	1	3	7	8
No report	16	38	19	23	55
Computer sciences	3,182	3,287	3,369	3,861	4,306
White	2,540	2,593	2,629	2,950	3,283
Asian	339	374	413	516	594
Black	223	229	244	292	314
Hispanic	71	75	74	88	100
American Indian	7	9	9	11	12
All other	0	0	0	0	0
No report	2	7	0	4	3
Cryptanalysis	9	12	12	11	8
White	8	11	10	10	7
Asian	1	0	0	0	0
Black	0	1	2	1	1
Hispanic	0	0	0	0	0
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Equipment specialties	1,018	914	893	817	826
White	770	691	670	627	648
Asian	19	25	26	20	22
Black	126	105	117	100	83
Hispanic	91	80	67	55	56
American Indian	12	13	13	14	14
All other	0	0	0	0	0
No report	0	0	0	1	3
Mathematical statistics	1,140	1,155	1,154	1,144	1,158
White	901	912	892	869	874
Asian	141	147	158	168	171
Black	72	69	76	77	81
Hispanic	23	22	21	24	23
American Indian	1	2	2	2	2

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	1	1	0
No report	2	3	4	3	7
Mathematics	1,407	1,320	1,250	1,126	1,100
White	1,178	1,103	1,043	941	912
Asian	72	70	64	58	67
Black	102	98	94	80	80
Hispanic	47	42	42	42	37
American Indian	8	6	7	5	4
All other	0	0	0	0	0
No report	0	1	0	0	0
Operations research	3,137	3,067	3,010	3,041	3,075
White	2,756	2,680	2,637	2,657	2,665
Asian	121	119	125	119	133
Black	169	167	163	174	174
Hispanic	73	75	68	72	78
American Indian	16	19	15	17	22
All other	0	0	0	0	0
No report	2	7	2	2	3
Statistics	2,392	2,154	2,244	2,362	2,436
White	1,929	1,754	1,789	1,846	1,883
Asian	113	99	111	127	131
Black	279	240	271	303	327
Hispanic	62	52	63	75	84
American Indian	8	8	9	10	9
All other	0	0	1	1	1
No report	1	1	0	0	1
Other computer sciences	15,788	16,054	16,407	19,163	26,314
White	12,337	12,381	12,554	14,613	19,739
Asian	1,125	1,177	1,236	1,430	2,097
Black	1,785	1,912	2,027	2,366	3,301
Hispanic	415	430	440	555	875
American Indian	115	134	136	181	257
All other	2	1	1	5	7
No report	9	19	13	13	38
Life sciences	28,600	28,847	29,525	30,699	32,405
White	24,868	24,961	25,413	26,252	27,526
Asian	1,277	1,354	1,488	1,667	1,917
Black	1,201	1,209	1,261	1,297	1,366
Hispanic	828	855	884	975	1,051
American Indian	401	437	450	478	511
All other	15	16	18	17	15
No report	10	15	11	13	19
Agricultural extension	9	7	5	4	2
White	6	6	4	3	2
Asian	0	0	0	0	0
Black	2	1	1	1	0
Hispanic	0	0	0	0	0
American Indian	1	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Agronomy	271	271	275	274	260
White	245	245	249	246	227
Asian	5	6	6	6	6
Black	7	6	6	8	9
Hispanic	9	9	9	9	13
American Indian	5	5	5	5	5

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Animal science	93	91	92	92	92
White	86	83	84	83	82
Asian	3	4	4	4	5
Black	2	2	2	2	2
Hispanic	1	1	1	2	2
American Indian	1	1	1	1	1
All other	0	0	0	0	0
No report	0	0	0	0	0
Botany	270	273	277	294	325
White	251	248	250	264	290
Asian	5	8	9	8	8
Black	3	4	3	4	5
Hispanic	7	8	9	14	17
American Indian	2	3	4	3	4
All other	2	2	2	1	1
No report	0	0	0	0	0
Ecology	788	774	796	879	979
White	746	734	752	828	922
Asian	10	11	14	15	21
Black	8	7	9	9	12
Hispanic	17	14	15	18	17
American Indian	6	8	5	7	6
All other	1	0	1	2	1
No report	0	0	0	0	0
Entomology	587	552	547	556	565
White	530	505	492	492	496
Asian	22	18	21	29	34
Black	7	6	6	5	6
Hispanic	25	19	23	26	26
American Indian	2	3	3	3	2
All other	0	0	1	1	1
No report	1	1	1	0	0
Environmental protection	3,679	3,625	3,644	3,663	3,713
White	3,055	2,972	2,981	2,978	3,037
Asian	178	175	178	177	184
Black	272	284	289	299	296
Hispanic	124	141	144	149	139
American Indian	49	50	51	56	54
All other	0	2	1	3	2
No report	1	1	0	1	1
Fishery biology	1,881	1,932	2,005	2,128	2,220
White	1,723	1,762	1,835	1,951	2,031
Asian	48	47	47	56	60
Black	36	36	36	34	34
Hispanic	45	50	50	50	55
American Indian	29	37	37	37	40
All other	0	0	0	0	0
No report	0	0	0	0	0
General biological sciences	9,034	9,495	10,023	10,758	11,664
White	7,827	8,185	8,575	9,126	9,759
Asian	458	523	614	737	899
Black	383	387	421	421	470
Hispanic	237	246	264	314	355
American Indian	122	145	142	151	171

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	5	5	5	3	3
No report	2	4	2	6	7
Genetics	330	322	334	346	367
White	286	285	287	292	301
Asian	31	25	30	36	44
Black	3	3	4	5	5
Hispanic	7	7	8	10	13
American Indian	1	1	2	2	3
All other	2	1	2	1	1
No report	0	0	1	0	0
Horticulture	106	105	100	101	96
White	97	95	90	93	87
Asian	6	6	6	6	8
Black	2	2	2	0	0
Hispanic	1	2	2	2	1
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Microbiology	1,941	2,000	2,064	2,117	2,230
White	1,548	1,566	1,588	1,608	1,651
Asian	229	261	287	314	342
Black	91	94	100	102	124
Hispanic	64	68	78	82	95
American Indian	7	7	7	8	10
All other	0	0	0	0	0
No report	2	4	4	3	8
Pharmacology	385	402	383	380	389
White	269	281	262	255	253
Asian	89	97	96	100	111
Black	16	15	14	14	14
Hispanic	6	4	6	6	7
American Indian	1	1	2	3	2
All other	0	0	0	0	0
No report	4	4	3	2	2
Physiology	413	410	396	385	359
White	369	368	356	346	320
Asian	34	30	30	28	29
Black	3	2	2	2	2
Hispanic	7	10	8	9	8
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Plant pathology	259	240	243	248	249
White	233	219	218	218	216
Asian	15	11	12	15	16
Black	6	6	7	8	8
Hispanic	2	1	3	4	5
American Indian	3	3	3	3	4
All other	0	0	0	0	0
No report	0	0	0	0	0
Plant physiology	258	230	222	222	216
White	228	211	202	202	195
Asian	23	16	17	17	18
Black	3	2	2	2	2
Hispanic	4	1	1	1	1
American Indian	0	0	0	0	0

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Range conservation	925	909	904	901	942
White	844	831	821	814	854
Asian	2	3	2	3	3
Black	0	0	0	0	1
Hispanic	51	46	46	48	48
American Indian	28	29	35	36	36
All other	0	0	0	0	0
No report	0	0	0	0	0
Soil conservation	3,731	3,635	3,585	3,611	3,870
White	3,231	3,143	3,094	3,096	3,332
Asian	30	28	28	27	29
Black	252	245	248	260	259
Hispanic	120	121	117	125	140
American Indian	97	97	97	102	109
All other	1	1	1	1	1
No report	0	0	0	0	0
Soil science	1,312	1,273	1,270	1,300	1,311
White	1,167	1,130	1,129	1,150	1,165
Asian	20	16	16	15	17
Black	80	81	77	82	79
Hispanic	28	27	28	33	31
American Indian	17	19	20	20	19
All other	0	0	0	0	0
No report	0	0	0	0	0
Toxicology	301	309	320	330	341
White	239	243	250	253	255
Asian	45	46	46	47	55
Black	13	13	19	23	22
Hispanic	4	6	4	5	8
American Indian	0	0	1	1	0
All other	0	0	0	0	0
No report	0	1	0	1	1
Wildlife biology	1,936	1,897	1,945	2,012	2,124
White	1,801	1,758	1,803	1,862	1,967
Asian	22	21	23	24	25
Black	12	13	13	16	16
Hispanic	67	72	66	65	66
American Indian	30	28	35	40	45
All other	4	5	5	5	5
No report	0	0	0	0	0
Zoology	91	95	95	98	91
White	87	91	91	92	84
Asian	2	2	2	3	3
Black	0	0	0	0	0
Hispanic	2	2	2	3	4
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Physical sciences	23,927	23,639	23,442	23,561	23,851
White	20,897	20,569	20,346	20,352	20,501
Asian	1,465	1,490	1,494	1,567	1,632
Black	860	843	846	858	885
Hispanic	570	578	591	613	654
American Indian	117	133	141	146	146

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	14	13	15	15	12
No report	4	13	9	10	21
Astronomy and space sciences	465	457	448	449	438
White	441	433	423	421	408
Asian	11	11	12	13	13
Black	6	7	7	8	8
Hispanic	7	6	6	7	8
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	1
Chemistry	5,871	5,685	5,571	5,606	5,683
White	4,543	4,359	4,254	4,253	4,266
Asian	783	788	773	800	827
Black	342	330	329	331	345
Hispanic	179	181	187	192	206
American Indian	21	23	22	22	22
All other	0	0	1	1	2
No report	3	4	5	7	15
Geodesy	70	65	66	66	66
White	59	54	56	56	56
Asian	4	4	4	4	4
Black	6	6	5	5	5
Hispanic	1	1	1	1	1
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Geology	1,674	1,666	1,655	1,689	1,700
White	1,582	1,570	1,555	1,582	1,596
Asian	27	29	30	34	34
Black	20	20	21	21	20
Hispanic	29	29	29	32	30
American Indian	16	18	20	20	20
All other	0	0	0	0	0
No report	0	0	0	0	0
Geophysics	404	405	411	410	412
White	369	372	381	380	381
Asian	21	20	19	19	21
Black	4	3	4	4	4
Hispanic	6	6	4	4	4
American Indian	3	3	3	3	2
All other	1	1	0	0	0
No report	0	0	0	0	0
Health physics	659	648	650	644	644
White	554	538	538	531	528
Asian	45	50	48	44	45
Black	41	38	41	45	46
Hispanic	14	16	17	18	19
American Indian	5	5	6	6	6
All other	0	0	0	0	0
No report	0	1	0	0	0
Hydrology	2,382	2,361	2,370	2,384	2,426
White	2,230	2,208	2,215	2,224	2,266
Asian	52	50	46	52	51
Black	27	26	25	28	30
Hispanic	52	55	56	54	55
American Indian	17	19	22	21	21

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	4	3	5	5	3
No report	0	0	1	0	0
Meteorology	2,741	2,791	2,782	2,723	2,727
White	2,559	2,605	2,589	2,525	2,523
Asian	61	61	69	74	77
Black	57	59	59	57	60
Hispanic	52	53	52	52	53
American Indian	5	6	6	7	7
All other	7	7	7	8	7
No report	0	0	0	0	0
Oceanography	646	642	621	610	628
White	594	583	562	551	567
Asian	24	29	32	32	33
Black	15	14	14	13	13
Hispanic	13	15	13	14	15
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	1	0	0	0
Physics	2,788	2,659	2,598	2,565	2,580
White	2,528	2,409	2,341	2,286	2,296
Asian	164	158	161	175	179
Black	49	45	50	54	51
Hispanic	42	39	42	45	48
American Indian	5	6	4	3	2
All other	0	0	0	0	0
No report	0	2	0	2	4
Other	6,227	6,260	6,270	6,415	6,547
White	5,438	5,438	5,432	5,543	5,614
Asian	273	290	300	320	348
Black	293	295	291	292	303
Hispanic	175	177	184	194	215
American Indian	45	53	58	64	66
All other	2	2	2	1	0
No report	1	5	3	1	1
Social sciences	22,883	22,852	23,484	24,506	25,345
White	19,256	19,125	19,364	20,142	20,723
Asian	588	635	690	757	830
Black	1,903	1,905	2,209	2,345	2,439
Hispanic	848	892	922	950	1,028
American Indian	267	268	276	285	281
All other	8	10	13	14	13
No report	13	17	10	13	31
Agricultural market reporting	131	123	120	120	117
White	110	103	102	103	99
Asian	1	1	1	1	1
Black	14	13	12	10	10
Hispanic	4	4	3	4	5
American Indian	2	2	2	2	2
All other	0	0	0	0	0
No report	0	0	0	0	0
Agricultural markets	383	360	354	337	367
White	336	312	302	288	305
Asian	4	4	3	4	5
Black	27	26	31	31	39
Hispanic	15	15	15	14	18
American Indian	1	3	3	0	0

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Anthropology	86	79	77	80	85
White	79	71	67	73	76
Asian	0	0	1	1	1
Black	1	1	1	1	1
Hispanic	3	3	3	2	2
American Indian	3	4	5	3	5
All other	0	0	0	0	0
No report	0	0	0	0	0
Archeology	814	794	832	904	911
White	751	740	772	840	845
Asian	9	7	9	10	10
Black	3	3	3	4	6
Hispanic	22	18	22	20	23
American Indian	27	25	25	28	26
All other	2	1	1	1	1
No report	0	0	0	1	0
Civil rights	41	39	43	44	40
White	13	11	12	13	10
Asian	2	2	3	2	3
Black	18	17	22	24	22
Hispanic	8	9	6	5	5
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Economics	5,004	4,482	4,426	4,508	4,496
White	4,348	3,842	3,773	3,825	3,807
Asian	205	213	228	243	243
Black	311	295	300	313	313
Hispanic	117	113	110	114	111
American Indian	20	18	14	12	11
All other	0	0	0	0	0
No report	3	1	1	1	11
Education research	52	57	59	57	62
White	40	44	45	43	50
Asian	3	3	3	3	4
Black	5	6	7	8	6
Hispanic	4	3	3	2	2
American Indian	0	1	1	1	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Foreign affairs	3,190	3,563	3,542	3,873	4,192
White	2,804	3,096	3,082	3,375	3,635
Asian	95	123	117	136	160
Black	160	179	191	201	219
Hispanic	117	150	137	142	166
American Indian	12	13	14	15	11
All other	0	0	0	0	0
No report	2	2	1	4	1
Foreign agricultural affairs	178	168	162	156	153
White	156	147	139	134	133
Asian	8	6	7	6	6
Black	13	14	14	13	12
Hispanic	0	1	2	2	1
American Indian	1	0	0	1	1

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Geography	357	320	347	407	467
White	337	309	331	387	441
Asian	6	4	5	6	7
Black	8	4	4	8	10
Hispanic	2	1	3	2	5
American Indian	3	2	4	4	4
All other	1	0	0	0	0
No report	0	0	0	0	0
Intelligence	3,140	3,244	3,359	3,441	3,656
White	2,705	2,786	2,875	2,928	3,063
Asian	75	77	67	77	96
Black	178	193	206	213	238
Hispanic	160	160	185	193	219
American Indian	17	16	17	22	22
All other	2	6	7	7	7
No report	3	6	2	1	11
International cooperation	20	14	13	13	19
White	18	13	12	11	15
Asian	0	0	0	0	1
Black	2	1	1	2	3
Hispanic	0	0	0	0	0
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
International relations	132	139	154	174	192
White	122	125	136	154	169
Asian	2	2	5	7	8
Black	5	5	7	7	6
Hispanic	3	5	6	6	8
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	2	0	0	1
Manpower research and analysis	27	26	24	35	33
White	24	23	24	27	24
Asian	0	0	0	3	3
Black	2	2	0	3	4
Hispanic	1	1	0	2	2
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Psychology	3,370	3,538	3,610	3,683	3,725
White	3,033	3,149	3,177	3,255	3,282
Asian	46	67	85	78	92
Black	155	176	187	186	180
Hispanic	100	110	122	122	125
American Indian	34	34	37	40	43
All other	0	0	1	1	1
No report	2	2	1	1	2
Sociology	39	36	37	36	32
White	32	29	28	27	25
Asian	2	2	2	2	2
Black	4	4	5	5	3
Hispanic	0	0	0	0	0
American Indian	1	1	2	2	2

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Trade	628	599	618	657	657
White	526	502	515	539	536
Asian	31	29	33	39	40
Black	32	33	38	43	50
Hispanic	37	33	31	35	31
American Indian	2	2	1	1	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Transportation industry	69	74	74	86	91
White	64	67	68	73	80
Asian	0	0	0	1	3
Black	4	5	5	10	6
Hispanic	1	2	1	2	2
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Unemployment insurance	93	90	82	78	78
White	65	65	58	55	55
Asian	0	0	1	0	1
Black	18	16	14	14	14
Hispanic	8	8	8	8	7
American Indian	2	1	1	1	1
All other	0	0	0	0	0
No report	0	0	0	0	0
Other	5,129	5,107	5,551	5,817	5,972
White	3,693	3,691	3,846	3,992	4,073
Asian	99	95	120	138	144
Hispanic	246	256	265	275	296
Black	943	912	1,161	1,249	1,297
American Indian	142	146	150	153	153
All other	3	3	4	5	4
No report	3	4	5	5	5
Engineers	86,230	83,590	82,606	83,157	85,358
White	69,505	67,119	66,250	66,383	67,772
Asian	8,767	8,620	8,548	8,742	9,169
Black	3,563	3,478	3,466	3,547	3,702
Hispanic	3,729	3,683	3,688	3,783	3,969
American Indian	631	613	617	642	658
All other	7	14	14	13	11
No report	28	63	23	47	77
Aerospace	7,578	7,451	7,519	7,734	8,025
White	6,462	6,317	6,358	6,509	6,730
Asian	496	506	520	554	588
Black	268	270	278	298	323
Hispanic	306	319	320	324	341
American Indian	46	39	43	47	42
All other	0	0	0	0	0
No report	0	0	0	2	1
Chemical	1,019	1,015	983	980	1,012
White	785	797	760	763	793
Asian	138	130	132	128	129
Black	39	38	39	35	38
Hispanic	52	48	50	50	48
American Indian	4	2	2	2	2

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	1	0	0	2	2
Civil	11,058	10,650	10,418	10,512	10,668
White	9,045	8,716	8,530	8,577	8,677
Asian	989	941	925	945	973
Black	338	338	326	353	356
Hispanic	528	502	492	491	512
American Indian	147	134	139	141	143
All other	3	3	2	2	1
No report	8	16	4	3	6
Electrical, electronics, and computer	27,449	26,430	25,771	25,953	26,703
White	21,045	20,146	19,652	19,635	20,012
Asian	3,623	3,552	3,469	3,572	3,794
Black	1,309	1,258	1,217	1,265	1,328
Hispanic	1,310	1,297	1,270	1,308	1,378
American Indian	153	154	154	161	167
All other	1	3	2	2	2
No report	8	20	7	10	22
Computer engineering	2,319	2,268	2,330	3,144	3,389
White	1,763	1,720	1,762	2,283	2,444
Asian	282	282	292	458	506
Black	148	139	144	197	216
Hispanic	112	115	118	190	204
American Indian	14	11	13	14	19
All other	0	0	0	0	0
No report	0	1	1	2	0
Electrical engineering	3,527	3,431	3,322	3,308	3,476
White	2,595	2,512	2,432	2,422	2,540
Asian	550	553	533	526	556
Black	201	183	174	179	190
Hispanic	158	155	161	160	165
American Indian	21	21	20	18	17
All other	0	0	0	0	0
No report	2	7	2	3	8
Electronics engineering	21,603	20,731	20,119	19,501	19,838
White	16,687	15,914	15,458	14,930	15,028
Asian	2,791	2,717	2,644	2,588	2,732
Black	960	936	899	889	922
Hispanic	1,040	1,027	991	958	1,009
American Indian	118	122	121	129	131
All other	1	3	2	2	2
No report	6	12	4	5	14
Industrial and related engineering	1,981	1,818	1,695	1,644	1,706
White	1,580	1,424	1,336	1,306	1,347
Asian	165	164	151	141	145
Black	131	128	123	116	120
Hispanic	89	83	72	67	74
American Indian	16	15	12	13	14
All other	0	0	0	0	0
No report	0	4	1	1	6
Fire prevention engineering	144	134	139	140	162
White	116	104	112	117	134
Asian	16	18	18	17	19
Black	10	10	8	5	7
Hispanic	1	1	0	0	1
American Indian	1	1	1	1	1

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Safety engineering	506	491	470	474	467
White	399	382	368	366	356
Asian	45	46	44	44	38
Black	29	30	27	29	30
Hispanic	30	29	28	32	35
American Indian	3	3	3	3	3
All other	0	0	0	0	0
No report	0	1	0	0	5
Other industrial engineering	1,331	1,193	1,086	1,030	1,077
White	1,065	938	856	823	857
Asian	104	100	89	80	88
Black	92	88	88	82	83
Hispanic	58	53	44	35	38
American Indian	12	11	8	9	10
All other	0	0	0	0	0
No report	0	3	1	1	1
Other	27,994	27,295	27,524	27,508	27,930
White	23,087	22,419	22,535	22,403	22,606
Asian	2,356	2,350	2,383	2,442	2,547
Black	1,186	1,160	1,190	1,180	1,226
Hispanic	1,131	1,121	1,172	1,219	1,265
American Indian	225	225	227	235	245
All other	1	6	8	7	6
No report	8	14	9	22	35
Agricultural engineering	333	335	333	334	352
White	306	308	305	296	313
Asian	13	13	12	15	15
Black	6	6	7	10	10
Hispanic	4	4	6	9	9
American Indian	4	4	3	4	5
All other	0	0	0	0	0
No report	0	0	0	0	0
Biomedical engineering	277	257	260	274	278
White	233	216	223	231	233
Asian	26	23	21	23	25
Black	8	8	8	11	10
Hispanic	8	8	7	8	9
American Indian	2	2	1	1	1
All other	0	0	0	0	0
No report	0	0	0	0	0
Ceramic engineering	50	47	45	44	44
White	41	38	36	35	35
Asian	5	5	5	5	5
Black	3	3	3	3	3
Hispanic	1	1	1	1	1
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Environmental engineering	5,051	4,819	4,718	4,592	4,545
White	3,924	3,727	3,651	3,543	3,509
Asian	560	546	531	523	516
Black	261	244	245	239	235
Hispanic	271	264	255	246	243
American Indian	33	34	35	40	40

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	2	4	1	1	2
Materials and metallurgical engineering	1,070	1,045	1,057	1,057	1,086
White	893	859	872	875	898
Asian	98	102	101	100	102
Black	38	41	42	39	41
Hispanic	38	38	37	37	40
American Indian	3	4	5	6	4
All other	0	0	0	0	0
No report	0	1	0	0	1
Mechanical engineering	9,151	8,931	8,696	8,826	9,314
White	7,501	7,300	7,079	7,190	7,607
Asian	1,000	977	968	960	993
Black	292	286	293	300	311
Hispanic	313	313	312	324	351
American Indian	40	44	40	43	45
All other	2	2	2	2	2
No report	3	9	2	7	5
Metallurgy	122	112	101	95	93
White	105	96	84	81	79
Asian	15	15	16	13	13
Black	1	0	0	0	0
Hispanic	1	1	1	1	1
American Indian	0	0	0	0	0
All other	0	0	0	0	0
No report	0	0	0	0	0
Mining engineering	236	227	231	223	222
White	213	204	208	202	204
Asian	15	15	15	15	14
Black	2	2	2	0	0
Hispanic	4	4	4	4	3
American Indian	2	2	2	2	1
All other	0	0	0	0	0
No report	0	0	0	0	0
Naval architecture	761	744	737	739	767
White	652	631	635	636	655
Asian	78	78	73	74	76
Black	16	17	14	12	15
Hispanic	12	14	12	13	14
American Indian	3	3	3	3	3
All other	0	0	0	0	0
No report	0	1	0	1	4
Nuclear engineering	2,112	2,057	2,076	2,141	2,286
White	1,804	1,757	1,764	1,810	1,910
Asian	217	212	223	232	258
Black	40	44	44	41	48
Hispanic	32	27	27	28	37
American Indian	17	17	18	23	28
All other	0	0	0	0	0
No report	2	0	0	7	5
Petroleum engineering	319	317	317	310	306
White	278	277	276	268	268
Asian	17	17	17	17	17
Black	5	5	5	4	4
Hispanic	15	14	15	15	11
American Indian	4	4	4	6	6

TABLE H-29. Occupations of Federal scientists and engineers, by race/ethnicity 1998–2002

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Occupation and race/ethnicity	1998	1999	2000	2001	2002
All other	0	0	0	0	0
No report	0	0	0	0	0
Welding engineering	42	38	40	40	43
White	35	31	32	31	33
Asian	7	7	7	7	8
Black	0	0	0	0	0
Hispanic	0	0	0	1	1
American Indian	0	0	0	1	1
All other	0	0	0	0	0
No report	0	0	1	0	0
General engineering	17,621	17,297	17,609	17,659	17,908
White	14,603	14,275	14,449	14,395	14,469
Asian	1,305	1,317	1,362	1,418	1,498
Black	806	790	820	821	860
Hispanic	745	746	807	856	896
American Indian	157	155	156	149	156
All other	1	6	8	7	6
No report	4	8	7	13	23

SOURCE: Office of Personnel Management, tabulations from Central Personnel Data Files, 1998–2002.