TABLE 3

ORBITAL PARAMETERS OF SEVERAL PLANETARY OBJECTS AND THE SATELLITE SYSTEMS OF THE PLANETS

		Object	a AU	T yr	m kg	K $m^3\ s^{-2}$	a^3/T^2 $AU^3\ yr^{-2}$	$a^3/T^2/K$
Sun	$M = 1.9891 \cdot 10^{30}$ kg							
		Mercury	0.387	0.251	$3.302 \cdot 10^{23}$	$3.120' \cdot 10^{18}$	0.9201	0.9273
		Venus	0.723	0.615	$4.869 \cdot 10^{24}$	$3.390 \cdot 10^{18}$	1.0006	1.0084
		Earth	1.000	1.000	$5.974 \cdot 10^{24}$	$3.390 \cdot 10^{18}$	1.0000	1.0078
		Mars	1.524	1.881	$6.419 \cdot 10^{23}$	$3.390 \cdot 10^{18}$	1.0005	1.0083
		Ceres	2.765	4.599	$9.500 \cdot 10^{20}$	$3.390 \cdot 10^{18}$	1.0000	1.0078
		Jupiter	5.203	11.862	$1.899 \cdot 10^{27}$	$3.390 \cdot 10^{18}$	1.0010	1.0079
		Saturn	9.509	29.458	$5.685 \cdot 10^{26}$	$3.360 \cdot 10^{18}$	0.9909	0.9984
		Uranus	19.251	84.013	$8.685 \cdot 10^{25}$	$3.430 \cdot 10^{18}$	1.0109	1.0187
		Neptune	30.188	164.749	$1.024 \cdot 10^{26}$	$3.440 \cdot 10^{18}$	1.0136	1.0215
		Pluto	39.499	248.430	$1.300 \cdot 10^{22}$	$3.380 \cdot 10^{18}$	0.9985	1.0063
		2002 TC302	55.096	410.620	$1.800 \cdot 10^{21}$	$3.360 \cdot 10^{18}$	0.9919	0.9997
		Eris	67.668	557.000	$1.700 \cdot 10^{22}$	$3.380 \cdot 10^{18}$	0.9987	1.0065
		2007 UK126	72.814	623.870	$7.100 \cdot 10^{20}$	$3.360 \cdot 10^{18}$	0.9919	0.9996
		2005 QU182	113.278	1210.530	$1.200 \cdot 10^{21}$	$3.360 \cdot 10^{18}$	0.9919	0.9997
		Sedna	524.453	12059.06	$7.200 \cdot 10^{21}$	$3.360 \cdot 10^{18}$	0.9920	0.9997
Jupiter	$M = 1.8990 \cdot 10^{27}$ kg							
		Metis	0.0009	0.0010	$9.4900 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.210 \cdot 10^{-4}$	0.97240
		Adrasthea	0.0009	0.0010	$1.9000 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.428' \cdot 10^{-4}$	0.99540
		Amalthea	0.0012	0.0010	$7.2200 \cdot 10^{18}$	$3.2102 \cdot 10^{15}$	$9.375 \cdot 10^{-4}$	0.98980
		Tebe	0.0015	0.0020	$7.6000 \cdot 10^{17}$	$3.2102 \cdot 10^{15}$	$8.707 \cdot 10^{-4}$	0.91920
		Io	0.0028	0.0050	$8.9400 \cdot 10^{22}$	$3.2103 \cdot 10^{15}$	$9.464 \cdot 10^{-4}$	0.99910
		Europa	0.0045	0.0100	$4.8000 \cdot 10^{22}$	$3.2102 \cdot 10^{15}$	$9.465 \cdot 10^{-4}$	0.99920
		Ganymmede	0.0071	0.0200	$1.4820 \cdot 10^{23}$	$3.2104 \cdot 10^{15}$	$9.470 \cdot 10^{-4}$	0.99970
		Callisto	0.0126	0.0460	$1.0760 \cdot 10^{23}$	$3.2103 \cdot 10^{15}$	$9.470 \cdot 10^{-4}$	0.99980
		Leda	0.0740	0.6540	$5.7000 \cdot 10^{15}$	$3.2102 \cdot 10^{15}$	$9.472 \cdot 10^{-4}$	1.00000
		Himalia	0.0765	0.6860	$9.4900 \cdot 10^{18}$	$3.2102 \cdot 10^{15}$	$9.523 \cdot 10^{-3}$	1.00530
		Lisisthea	0.0781	0.7100	$7.6000 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.471 \cdot 10^{-4}$	0.99990
		Elara	0.0783	0.7110	$7.6000 \cdot 10^{17}$	$3.2102 \cdot 10^{15}$	$9.476 \cdot 10^{-4}$	1.00040
		Ananque	0.1413	1.7280	$3.8000 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.459 \cdot 10^{-4}$	0.99860
		Carme	0.1507	1.8950	$9.4900 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.528 \cdot 10^{-3}$	1.00590
		Pasiphae	0.1567	2.0120	$1.9000 \cdot 10^{17}$	$3.2102 \cdot 10^{15}$	$9.495 \cdot 10^{-4}$	1.00250
		Sinophe	0.1580	2.0750	$7.6000 \cdot 10^{16}$	$3.2102 \cdot 10^{15}$	$9.158 \cdot 10^{-4}$	0.96680
Saturn	$M = 5.97 \cdot 10^{26}$ kg							
		Mimas	0.0012	0.0030	$3.7500 \cdot 10^{19}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95350
		Enceladus	0.0016	0.0040	$1.0800 \cdot 10^{20}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95170
		Tethys	0.0020	0.0050	$1.0240 \cdot 10^{20}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95170
		Dione	0.0025	0.0070	$1.0950 \cdot 10^{21}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95170
		Rhea	0.0035	0.0120	$2.3060 \cdot 10^{21}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95150
		Titan	0.0082	0.0440	$1.3450 \cdot 10^{23}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95140
		Hiperion	0.0099	0.0580	$1.7100 \cdot 10^{19}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.94960
		Iapetus	0.0237	0.2170	$1.8800 \cdot 10^{21}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.94990
		Febe	0.0864	1.5070	$3.9800 \cdot 10^{17}$	$1.0100 \cdot 10^{15}$	$3.00 \cdot 10^{-4}$	0.95090
Uranus	$M = 8.69 \cdot 10^{25}$ kg							
		Miranda	0.0009	0.0040	$6.5900 \cdot 10^{19}$	$1.4700 \cdot 10^{14}$	$4.2800 \cdot 10^{-5}$	0.99000
		Ariel	0.0013	0.0070	$1.3500 \cdot 10^{21}$	$1.4700 \cdot 10^{14}$	$4.3300 \cdot 10^{-5}$	1.00000
		Umbriel	0.0018	0.0110	$1.2000 \cdot 10^{21}$	$1.4700 \cdot 10^{14}$	$4.3300 \cdot 10^{-5}$	1.00000
		Titania	0.0029	0.0240	$3.5000 \cdot 10^{21}$	$1.4700 \cdot 10^{14}$	$4.3300 \cdot 10^{-5}$	1.00000
		Oberon	0.0039	0.0370	$3.0140 \cdot 10^{21}$	$1.4700 \cdot 10^{14}$	$4.3300 \cdot 10^{-5}$	1.00000
Neptune	$M = 1.03 \cdot 10^{26}$ kg							
		Triton	0.0024	0.0160	$1.34 \cdot 10^{23}$	$1.7400 \cdot 10^{14}$	$5.04 \cdot 10^{-5}$	0.98000
		Nereida	0.0368	0.9860	$2.06 \cdot 10^{19}$	$1.7400 \cdot 10^{14}$	$5.10 \cdot 10^{-5}$	1.00000
Earth	$M = 5.97 \cdot 10^{24}$ kg							
		Luna	0.0026	0.0750	$7.3480 \cdot 10^{22}$	$1.0200 \cdot 10^{13}$	$3.0100 \cdot 10^{-6}$	1.00000
Mars	$M = 6.42 \cdot 10^{23}$ kg							
		Fobos	0.0001	0.0010	$9.6300 \cdot 10^{15}$	$1.0900 \cdot 10^{12}$	$3.2000 \cdot 10^{-7}$	1.00000
		Deimos	0.0002	0.0040	$1.9300 \cdot 10^{15}$	$1.0900 \cdot 10^{12}$	$3.2000 \cdot 10^{-7}$	1.01000
Pluto	$M = 1.30 \cdot 10^{22}$ kg							
		Charon	0.0001	1.5200	$0.0170 \cdot 10^{21}$	$2.4500 \cdot 10^{10}$	$5.2000 \cdot 10^{-9}$	0.72000

In the first, second, third, and fourth columns, the names of the bodies, the major semi-axes, their periods and their respective masses, are given. In the fifth and the sixth columns the values of the proportionality parameter of Kepler for each body, and the quotient are given, and finally, in the seventh column we give the quotient of these parameters of proportionality whose value is very near to one.