

Supplementary Material

TABLE 1. Geochronologic age estimates used to calibrate the appearance event sequence. Error = 1 standard deviation analytical error; Method = analytical method (AA = $^{40}\text{Ar}/^{39}\text{Ar}$; FT = fission-track dating, mineral unknown; FTz = fission-track dating on zircon; KA = K-Ar; PM = paleomagnetic polarity stratigraphy; Sr = strontium isotope ratio; Ur = uranium series); Position = stratigraphic position of age-estimated horizon, which may be below, above, bracketing, or bracketed by the horizon yielding the faunal assemblage(s); Faunal assemblage(s) = assemblages whose concurrent range zones are used to tie age estimate to the event sequence; * = average of two or more dates for the same horizon reported in the literature; † = pertains to multiple nearby assemblages of this name; ‡ = pertains to all assemblages in this stratigraphic unit. Name of unit is italicized.

Estimate	Error	Method	Position	Faunal assemblage(s)
98.39	0.07	AA	?	Mussentuchit (OMNH V695)
93.15	1.70*	AA	?	Dakota Formation†
78.5	0.2	AA	below	Put's Plunder
75.0	?	AA	?	Clambank Hollow Quarry
73.5	2.2	KA	above	Fossil Forest Quarry 1, Lower Hunter Wash
65.578	?	PM	above	Ken's Saddle, Trumbo's Anthill
65.03	0.04	AA	below	Luck O Hutch, Z-Line†
65.16	0.04	AA	below	Hell's Hollow Channel
64.77	0.06	AA	above	Hell's Hollow Channel
64.873	?	PM	brackets	Mantua Lentil, McKeever Ranch 1
64.361	?	PM	brackets	Mammalon Hill, Purgatory Hill, Wagonroad Lower Horizon, Simpson Quarry, Barrel Spring†
64.11	0.02	AA	above	Garbani Quarry
63.067	?	PM	brackets	Dragon Canyon, Kimbetoh Arroyo (Middle), Upper Tsosie Wash, Kutz Canyon (UALP 7897)
61.888	?	PM	brackets	Gidley Quarry, Rock Bench Quarry, Silberling Quarry
57.733	?	PM	brackets	SC-243
57.554	?	PM	brackets	Airport
56.973	?	PM	brackets	Joe's Bonebed, Princeton Quarry
56.391	?	PM	below	SC-85/86
55.9	?	PM	above	SC-78, SC-83, SC-171, SC-178, SC-179
54.96	?	PM	below	FG-61, HG-3, SC-67, SC-69, SC-79, SC-121, SC-139, SC-308, SC-348, SC-349, SC-350, SC-351, South Wall
52.8	0.3	AA	above	Elk Creek (630 m)
52.8	0.3	AA	below	Elk Creek (640 m), USGS D-1473
50.3	?	KA	?	Duncan Ranch (Upper)
49.75	0.5	KA	above	Hyopsodus Hill, Tabernacle Butte†
49.1	1.9	KA	above	State Line Quarry
49.05	1.3	KA	below	Togwotee Pass Summit
48.32	0.11	AA	?	Clarno Nut Beds
48.2	0.7	KA	above	Turtle-lake Beds†
48.2	0.65*	KA	same	Blue Point Markert†
47.96	0.13	AA	bracketed by	<i>Bridger B</i> ‡
46.92	0.17	AA	bracketed by	<i>Bridger C</i> ‡
46.7	0.7	KA	?	Washakie (LaCiede Bed)
46.6	?	KA	?	Beaver Divide Locality 1
46.29	0.05	AA	?	Junction†
46.16	0.44	AA	above	<i>Bridger D</i> ‡
43.9	0.9	KA	above	Whistler Squatt†
42.83	0.24	AA	above	Jackson Offramp (SDSNH 3428), Briercrest Park (SDSNH 3539)
42.7	1.6	KA	below	Skyline†
39.74	0.07	AA	above	Halfway Hollow (Dry Gulch Creek Member)
39.74	0.07	AA	below	Halfway Hollow (Lapoint Member), Red Narrows, Titanothera Quarry
39.6	1.5	KA	above	Veteado†
39.2	?	AA	above	Hancock Quarry
38.7	?	KA	above	Cottonwood Tank
37.67	0.16*	AA	below	Big Red Horizon†
36.8	?*	KA	above	Ahearn
36.73	0.8	KA	?	Emerald Laket†

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TABLE 1. Continued.

Estimate	Error	Method	Position	Faunal assemblage(s)
36.7	0.09*	AA	above	Chalk Gap Draw, Reeves Bonebed
35.919	0.099	AA	above	Flagstaff Rim II, Flagstaff Rim III
35.919	0.099	AA	below	Flagstaff Rim IV
35.813	0.038	AA	above	Flagstaff Rim IV
35.813	0.038	AA	below	Flagstaff Rim V
35.723	0.027	AA	above	Flagstaff Rim V
35.723	0.027	AA	below	Flagstaff Rim VI
35.69	?	AA	above	Palm Park†
35.375	0.104	AA	bracketed by	Flagstaff Rim VII
35.28	?	AA	above	Turkey Creek
34.07	1.52*	KA	above	Peoa
33.91	0.1	AA	bracketed by	Douglas Area Basal Brule
32.7	?	AA	?	Big Basin Member (Upper)
32.1	1.5	FTz	?	Bates Hole Lower White River 1
31.846	0.007	AA	above	Redington Gap (Whitney A), UNSM Mo-111 (Whitney A), Weitzel Ranch
31.846	0.007	AA	below	Court House Rock (Whitney), UNSM Mo-103 (Whitney B), UNSM Mo-107 (Whitney B), Vista
30.58	0.184	AA	bracketed by	Whitney B-C‡
30.05	0.085	AA	above	Beaver Wall
30.05	0.085	AA	below	UNSM Sx-22 (Above NPAZ)
30.0	?	AA	bracketed by	North Blue Basin
29.8	?	AA	bracketed by	Carroll Rim
28.9	?	AA	bracketed by	Foree
28.86	?	AA	above	EastLake
28.593	0.318	AA	bracketed by	Gering A, The Bench, Durnal Range Quarry, Nipple Butte Quarry, No Name, Roundhouse Rock Gap
28.31	0.03	AA	bracketed by	4 Jaw Prospect, Dunlap Ranch Quarry, George's Rhino Wash, Gering B, Lone Skull Quarry, Mike's Main Channel, Pumice Channel Pros- pect, Redington Gap East Ant Hill #1, Stout's Micro Locality
28.2	0.2	KA	below	South Mountain (CIT 300)
28.7	?	AA	below	Longview Ranch Airport Section
27.5	?	AA	above	Longview Ranch Airport Section
27.79	0.08	AA	bracketed by	Black Hank's Canyon (Upper), Chimney Rock (Arikaree), MCAH, Northeast of Bridgeport (Arikaree), Tunnel Hill, UNSM Mo-105 (Upper)
27.2	?	AA	bracketed by	Roundup Flat
25.3	?	AA	below	Kimberly member
23.5	2.5	FTz	?	Yampa
23.3	0.5	KA	above	Santana Mesa
22.6	?	AA	above	Kimberly Member
22.6	?	AA	below	Haystack Member
21.86	?	KA	bracketed by	Pine Ridge Escarpment
21.55	1.1	KA	above	Black Butte Mine
19.95	?*	KA	?	Suchilquitongo
19.43	1.05*	KA	below	Boron
19.2	0.5	FTz	?	Niobrara Canyon
18.6	0.2	KA	above	Merychys Locality (Cady Mountains)
18.6	0.2	KA	below	Lower Cady Mountains
18.55	1.03*	Sr	below	Alum Bluff
18.42	0.07	AA	below	Hackberry Wash
17.9	0.5	Sr	bracketed by	Pollack Farm Site
17.8	?	AA	above	Hackberry Wash
17.6	0.7	KA	below	CC-4
17.45	?	KA	?	Split Rock†
17.002	?	PM	brackets	Upper Cady Mountains
16.6	1.5	Sr	below	La Camelia Mine
16.5	1.3	KA	above	CIT 315/324
16.5	0.2	KA	below	Phillips Ranch
16.47	0.5	KA	above	Alvord Powerline

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TABLE 1. Continued.

Estimate	Error	Method	Position	Faunal assemblage(s)
16.3	0.3	KA	above	Red Division
16.3	0.3	KA	below	Rak Division
16.3	0.13	AA	above	<i>Middle Sheep Creek Formation</i> ‡
16.28	0.02	AA	below	Virgin Valley
16.0	?	KA	above	Massacre Lake†
15.8	0.09	AA	above	Oreodont Quarry, Turbin Quarry
15.6	?	KA	above	Cherty Bonebed
15.6	0.6	KA	below	McDonald (UCMP V-4828)
15.5	?	KA	?	Red Basin†
15.45	0.06	AA	above	White Operation Quarry
15.3	0.4	KA	?	Rio del Oso-Abiquiu Sites
15.27	0.03	AA	below	Valley View Quarry
15.2	0.89*	KA	below	Matatlan
15.18	0.03	AA	above	Virgin Valley
14.96	0.85	KA	below	El Camaron, El Gramal
14.93	0.08	AA	above	Sucker Creek
14.8	?	AA	below	Eubanks
14.8	1.00*	Sr	above	Gunn Farm Mine
14.7	0.71*	KA	above	Padrones Spring
14.7	0.3	KA	below	Quartz Basin†
14.4	0.03	AA	?	Alvord Mountain (USGS D301), Alvord Mountain (USGS D319)
14.4	?	AA	below	Horse and Mastodon Quarry
14.128	0.013	AA	above	Barstow (UCMP V-66152), Hailstone Quarry, Mayday Quarry, Skyline Quarry
14.128	0.013	AA	below	Eureka, Slug Bed, Starlight Quarry
14.0	0.1	AA	above	Hell Gate Basin (UCMP V-66154), Hemicyon Quarry, Lake Bed
14.0	0.1	AA	below	Carnivore Canyon (UCMP V-6462), Margo Quarry
13.4	0.51*	FTz	?	Middle Park (Upper)
12.7	?	AA	below	Western Cronese Basin
12.14	?	AA	bracketed by	Cedar Mountain
11.93	0.03	AA	bracketed by	Iron Canyon (Lower)
11.8	0.9	FTz	bracketed by	Iron Canyon (Upper)
11.57	0.05	AA	?	Coal Valley (UCMP V-3939), Coal Valley (UCMP V-4706)
11.545	?*	KA	bracketed by	Fish Lake Valley
11.51	0.1	AA	?	Coal Valley (UCMP V-4808); Coal Valley (UCMP V-5113)
11.3	0.8	FTz	?	Cedar Springs Draw
11.14	?*	KA	below	Avawatz Mountains
10.94	0.03	AA	bracketed by	Ricardo
10.3	0.3	FTz	?	Wade Quarry
10.27	?	KA	?	Stroud Claim
9.55	?	KA	?	High Ridge, Smiths Valley†, Upper Petrified Canyon
9.4	0.6	KA	below	Otis Basin
9.4	?	KA	below	Kelly Road
8.86	?	PM	brackets	Chamita Formation (Lower Brown Unit)
8.625	?*	KA	?	Hot Creek
8.5	0.13	KA	bracketed by	Dove Spring (Middle)
8.14	?	KA	above	Rockland Valley Gravel Quarry
7.91	?	KA	?	Mulholland Site 2
7.86	?	PM	brackets	Chamita Formation (Middle Brown Unit)
7.49	0.3	KA	above	Notch Butte
7.05	0.02	AA	above	Rattlesnake
6.855	?	AA	bracketed by	San Juan-Rak Camel Quarries
6.8	0.2	FTz	above	Coffee Ranch
6.69	0.16	KA	below	White Cone
6.67	0.1	KA	?	Rockland
6.02	?	PM	brackets	Wikieup
5.73	?*	KA	?	Redington
5.3	0.1	KA	above	Pinole Junction†

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TABLE 1. Continued.

Estimate	Error	Method	Position	Faunal assemblage(s)
4.71	?	PM	brackets	House Mountain (MNA 319)
4.6	?	FTz	?	Rancho El Ocote (Medial)
4.395	?	PM	brackets	House Mountain (MNA 318)
4.29	?	PM	brackets	Layer Cake (CU 7)
3.6	?	KA	?	La Goleta
3.6	?	FTz	?	Rancho Viejo
3.58	?	PM	brackets	Layer Cake (CU 28)
3.455	?	PM	brackets	Post Ranch
3.39	?	KA	below	Black Ranch
3.33	?	PM	brackets	Arroyo Seco (CU 36)
3.22	?	PM	brackets	Arroyo Seco (CU 39)
3.165	?	PM	brackets	Mendevil Ranch
3.11	?	PM	brackets	Arroyo Seco (CU 41)
3.065	0.190*	KA	?	Coso Mountains†
3.04	?	PM	brackets	Arroyo Seco (CU 42)
2.9	?	KA	?	Elephant Butte Reservoir
2.811	?	PM	brackets	Bonanza, Honey's Hummock, McRae Wash, Horsey Green Bed, Wolf Ranch
2.581	?	PM	brackets	Vallecito Creek (CU 47)
2.581	?	PM	above	111 Ranch (Upper)
2.4	0.2	FT	?	Birch Creek (Glenns Ferry Formation)
2.366	?	PM	brackets	California Wash, Cal Tech, Curtis Floss, Gidley Rod, Johnson Pocket
2.145	?	PM	brackets	Glyptotherium
2.01	0.05	KA	below	Borchers
1.86	?	PM	brackets	Vallecito Creek (CU 56)
1.61	?	AA	below	Tijeras (NMMNH 1452), Tijeras (NMMNH 1453), Tijeras (NMMNH 1454), Tijeras (NMMNH 1456)
1.58	0.085	AA	above	Cucumber (Uphill from GS-230), Cucumber (GS-232), Cucumber (GS-233)
1.474	0.023	KA	above	Martin Ranch (Lower)
1.39	0.07	KA	?	Glenns Ferry (Bruneau Formation), Sailor Creek
1.23	0.04	KA	above	Sappa
1.212	0.009	KA	below	Martin Ranch (Upper)
0.62	0.014	KA	above	Bull Draw, Cudahy, Mayfield Ranch, Patterson Ranch, Vera, Woody Draw
0.252	0.03	Ur	same	Salamander Cave
0.246	0.019	Ur	same	Papago Springs Cave (Section 1 Unit 6)
0.228	0.015	Ur	?	Cave ACb-3 Unit H
0.21	?	KA	below	American Falls Reservoir
0.201	0.009	Ur	same	Oldsmar Pit 1 (Pleistocene)
0.184	0.012	Ur	above	Camp Cady
0.172	0.01	Ur	?	Cave ACb-3 Unit D
0.118	0.006*	Ur	?	Cave ACb-3 Unit E
0.11	?	FT	?	Natural Trap Cave (Sangamonian)
0.083	0.003	Ur	?	Pecho Creek
0.075	0.005*	Ur	?	Medicine Hat Unit XIII
0.072	0.014	KA	above	American Falls Reservoir

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TABLE 2. Statistics describing latest Cretaceous and Cenozoic mammalian taxonomic turnover and changes in proportional diversity of orders. Ma = Midpoint of temporal bin (e.g., 69.5 Ma marks the bin spanning 70 to 69 Ma); Richness = number of species at start of interval; Origination = instantaneous per-lineage rate of origination λ ; Extinction = instantaneous per-lineage rate of extinction μ ; Net = net diversification, the difference of origination and extinction; Volatility = diversification volatility, the absolute value of net diversification; Total = total turnover, the sum of origination and extinction; PVI = proportional volatility index, the sum of the absolute value of the change between bins in proportional diversity of each major order; PVG = proportional volatility G statistic, which describes the departure of turnover rates in major orders from a random pattern (see text).

Ma	Richness	Origination	Extinction	Net	Volatility	Total	PVI	PVG
69.5	21.3	0.132	0.098	0.033	0.033	0.230	0.063	-3.207
68.5	22.1	0.169	0.018	0.151	0.151	0.188	0.076	-1.099
67.5	25.7	0.159	0.198	-0.039	0.039	0.357	0.132	1.881
66.5	24.7	0.335	1.184	-0.850	0.850	1.519	0.671	0.802
65.5	10.6	0.831	0.407	0.424	0.424	1.238	0.354	-9.669
64.5	16.1	1.749	1.077	0.672	0.672	2.826	0.686	-1.860
63.5	31.6	0.679	0.583	0.096	0.096	1.261	0.347	8.465
62.5	34.7	0.442	0.161	0.280	0.280	0.603	0.094	4.801
61.5	46.0	0.324	0.241	0.084	0.084	0.565	0.073	-0.067
60.5	50.0	0.426	0.270	0.156	0.156	0.696	0.129	8.681
59.5	58.4	0.286	0.294	-0.007	0.007	0.580	0.149	-0.460
58.5	58.0	0.246	0.356	-0.109	0.109	0.602	0.098	2.565
57.5	52.0	0.339	0.666	-0.327	0.327	1.004	0.128	7.087
56.5	37.5	0.445	0.393	0.052	0.052	0.838	0.214	7.665
55.5	39.5	0.672	0.534	0.137	0.137	1.206	0.444	27.292
54.5	45.3	0.248	0.242	0.005	0.005	0.490	0.169	8.316
53.5	45.5	0.408	0.223	0.185	0.185	0.632	0.189	10.284
52.5	54.8	0.286	0.351	-0.065	0.065	0.637	0.169	2.507
51.5	51.4	0.228	0.242	-0.013	0.013	0.470	0.112	10.071
50.5	50.7	0.319	0.294	0.025	0.025	0.613	0.167	8.040
49.5	52.0	0.400	0.118	0.282	0.282	0.517	0.176	14.870
48.5	68.9	0.305	0.145	0.160	0.160	0.450	0.126	10.161
47.5	80.9	0.172	0.222	-0.050	0.050	0.394	0.144	10.211
46.5	77.0	0.370	0.446	-0.076	0.076	0.816	0.112	21.719
45.5	71.3	0.175	0.173	0.002	0.002	0.348	0.162	12.718
44.5	71.4	0.261	0.303	-0.042	0.042	0.564	0.201	16.044
43.5	68.5	0.340	0.230	0.110	0.110	0.571	0.118	16.598
42.5	76.4	0.197	0.198	-0.001	0.001	0.396	0.119	10.564
41.5	76.3	0.150	0.344	-0.193	0.193	0.494	0.135	16.834
40.5	62.9	0.167	0.389	-0.222	0.222	0.555	0.207	8.258
39.5	50.4	0.264	0.155	0.109	0.109	0.419	0.170	8.763
38.5	56.2	0.326	0.370	-0.044	0.044	0.696	0.157	14.586
37.5	53.8	0.271	0.125	0.145	0.145	0.396	0.068	11.739
36.5	62.2	0.217	0.176	0.041	0.041	0.392	0.083	7.182
35.5	64.8	0.199	0.296	-0.098	0.098	0.495	0.123	10.031
34.5	58.8	0.195	0.380	-0.185	0.185	0.575	0.087	5.802
33.5	48.9	0.307	0.232	0.075	0.075	0.538	0.193	8.993
32.5	52.7	0.366	0.264	0.102	0.102	0.629	0.132	10.997
31.5	58.3	0.089	0.142	-0.053	0.053	0.231	0.048	6.577
30.5	55.3	0.231	0.048	0.183	0.183	0.279	0.129	9.855
29.5	66.4	0.283	0.177	0.105	0.105	0.460	0.135	15.310
28.5	73.8	0.239	0.126	0.113	0.113	0.365	0.214	33.964
27.5	82.6	0.171	0.154	0.018	0.018	0.325	0.070	11.347
26.5	84.1	0.265	0.249	0.017	0.017	0.514	0.111	8.887
25.5	85.5	0.220	0.212	0.007	0.007	0.432	0.208	21.356
24.5	86.1	0.128	0.205	-0.077	0.077	0.334	0.072	4.621
23.5	79.8	0.246	0.356	-0.109	0.109	0.602	0.167	15.485
22.5	71.5	0.328	0.174	0.154	0.154	0.501	0.159	11.393
21.5	83.4	0.116	0.273	-0.157	0.157	0.389	0.113	7.343
20.5	71.3	0.212	0.217	-0.006	0.006	0.429	0.133	10.265
19.5	70.9	0.091	0.150	-0.058	0.058	0.241	0.104	2.554
18.5	66.8	0.197	0.267	-0.070	0.070	0.464	0.044	0.151
17.5	62.3	0.329	0.270	0.058	0.058	0.599	0.169	19.576
16.5	66.1	0.392	0.204	0.188	0.188	0.597	0.116	21.832
15.5	79.8	0.237	0.426	-0.189	0.189	0.663	0.168	14.580

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TABLE 2. Continued.

Ma	Richness	Origination	Extinction	Net	Volatility	Total	PVI	PVG
14.5	66.0	0.202	0.234	-0.032	0.032	0.436	0.026	3.925
13.5	63.9	0.308	0.205	0.104	0.104	0.513	0.135	14.576
12.5	70.9	0.231	0.186	0.045	0.045	0.417	0.083	13.107
11.5	74.2	0.137	0.226	-0.089	0.089	0.362	0.047	2.438
10.5	67.9	0.232	0.237	-0.005	0.005	0.469	0.089	7.613
9.5	67.5	0.271	0.208	0.063	0.063	0.480	0.048	5.920
8.5	71.9	0.231	0.302	-0.071	0.071	0.533	0.093	5.597
7.5	67.0	0.165	0.220	-0.055	0.055	0.385	0.059	7.336
6.5	63.5	0.206	0.284	-0.078	0.078	0.490	0.183	6.494
5.5	58.7	0.158	0.316	-0.158	0.158	0.473	0.135	0.854
4.5	50.1	0.476	0.192	0.285	0.285	0.668	0.148	17.336
3.5	66.6	0.172	0.205	-0.034	0.034	0.377	0.075	1.667
2.5	64.5	0.246	0.260	-0.014	0.014	0.507	0.056	7.062
1.5	63.6	0.281	0.121	0.160	0.160	0.402	0.051	9.664
0.5	74.6	0.227	0.031	0.196	0.196	0.257	0.024	21.679

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TABLE 3. Univariate statistics describing mammalian body mass distributions. Data are based on natural logs of body mass estimates in grams for all species ranging into each 1.0-m.y.-long sampling bin. N = number of species falling into temporal bin that are used to calculate the remaining statistics.

Inter- val	N	Mean	Standard deviation	Skewness	Kurtosis
69.5	14	4.131	1.623	1.305	0.986
68.5	18	4.833	2.345	0.599	-0.646
67.5	21	4.409	1.844	0.645	-0.601
66.5	22	4.306	1.628	0.602	0.028
65.5	21	5.360	1.753	0.503	-0.567
64.5	60	6.686	2.059	0.251	-0.431
63.5	36	7.355	2.035	-0.114	-0.087
62.5	85	6.005	2.298	0.442	-0.371
61.5	85	5.906	2.214	0.534	-0.153
60.5	78	5.780	2.190	0.209	-0.797
59.5	65	6.314	2.651	0.313	-0.623
58.5	76	5.685	2.694	0.762	-0.056
57.5	91	6.296	2.850	0.541	-0.374
56.5	65	6.078	2.761	0.335	-0.619
55.5	147	6.711	2.567	0.168	-0.325
54.5	134	6.349	2.266	-0.053	-0.614
53.5	131	6.856	2.254	0.100	0.864
52.5	99	6.916	2.327	0.250	0.529
51.5	87	6.888	2.445	0.536	0.304
50.5	97	6.410	2.299	0.545	0.461
49.5	94	6.374	2.422	0.457	0.181
48.5	101	6.118	2.702	0.392	-0.296
47.5	80	6.371	2.866	0.394	-0.518
46.5	73	6.478	3.027	0.477	-0.583
45.5	70	6.291	3.006	0.444	-0.618
44.5	83	7.393	3.313	0.037	-0.802
43.5	89	7.133	3.189	0.036	-0.713
42.5	104	6.631	3.180	0.154	-0.944
41.5	88	7.253	3.245	0.095	-0.630
40.5	62	7.051	3.564	0.121	-1.055
39.5	48	8.239	3.557	-0.301	-0.535
38.5	55	7.227	3.500	0.118	-0.967
37.5	92	6.873	3.547	0.276	-0.984
36.5	101	7.073	3.563	0.310	-0.967

Supplementary Material

TABLE 3. Continued.

Inter- val	N	Mean	Standard deviation	Skewness	Kurtosis
35.5	90	6.960	3.250	0.136	-1.053
34.5	67	7.623	3.580	0.001	-1.045
33.5	92	6.924	3.245	0.123	-1.250
32.5	59	7.224	3.432	0.310	-1.106
31.5	35	8.087	3.246	0.018	-1.037
30.5	30	8.392	3.017	-0.087	-0.474
29.5	40	8.202	2.801	-0.242	-0.446
28.5	61	6.911	3.196	0.222	-1.127
27.5	62	7.218	3.193	0.183	-1.119
26.5	94	7.582	3.390	0.127	-1.251
25.5	83	7.662	3.280	0.118	-1.326
24.5	74	7.385	3.398	0.298	-1.368
23.5	62	8.267	3.494	-0.155	-1.203
22.5	64	7.916	3.459	-0.045	-1.255
21.5	57	7.918	3.381	-0.222	-1.380
20.5	68	7.401	3.591	0.045	-1.577
19.5	49	7.913	3.345	-0.199	-1.371
18.5	47	7.659	3.436	-0.053	-1.528
17.5	72	7.970	3.977	-0.318	-1.416
16.5	100	7.520	3.982	-0.037	-1.412
15.5	99	7.497	3.943	0.010	-1.419
14.5	174	7.111	4.020	0.186	-1.484
13.5	98	8.492	3.995	-0.408	-1.251
12.5	86	8.833	4.080	-0.470	-1.270
11.5	102	7.835	4.016	-0.062	-1.529
10.5	68	8.903	3.916	-0.533	-1.066
9.5	81	9.439	3.764	-0.716	-0.463
8.5	70	9.798	3.733	-0.730	-0.498
7.5	84	8.900	3.788	-0.343	-1.159
6.5	85	7.945	4.007	0.145	-1.347
5.5	75	7.398	4.042	0.503	-1.172
4.5	92	7.107	3.968	0.638	-0.876
3.5	100	7.264	4.133	0.428	-1.161
2.5	114	7.378	3.905	0.307	-1.301
1.5	126	7.980	3.890	0.159	-1.330
0.5	137	7.555	3.569	0.231	-1.169