

Errata for Baker, F. B., & Kim, S.-H. (2004). *Item response theory: Parameter estimation techniques* (2nd ed.). New York: Dekker.

October 29, 2008

Preamble

Page	Line	In place of	Read
XII	32	Hambleton, R. K. (1983).	Hambleton, R. K. (Ed.). (1983).

Chapter 1

Page	Line	In place of	Read
4	11	$-\infty \leq \beta_i \leq \infty$	$-\infty < \beta_i < \infty$
4	13	$-\infty \leq \alpha_i \leq \infty$	$-\infty < \alpha_i < \infty$
12	Fig. 1.5	Z'_{ij}	Z'_i
14	3	see for example	see, for example,
17	Fig. 1.7	Z'_{ij}	Z'_i
17	Fig. 1.7	$\beta_i = .6$	$\beta_i = 0.6$
19	27	$\beta_i = \theta = .6$	$\beta_i = \theta = 0.6$

Page	Line	In place of	Read
24	Fig. 2.1	$\hat{\alpha}_i = .9110, \hat{\beta}_i = -.5373.$	$\hat{\alpha}_i = 0.9110, \hat{\beta}_i = -0.5373.$
24	14	Psychometrics	psychometrics
28	13	$h_j^2 P_j Q_j$	$h_j^2 / (P_j Q_j)$
29	5	bracket	parentheses
30	9	$\hat{\lambda}, \hat{\lambda}$	$\hat{\zeta}, \hat{\lambda}$
30	27	$\Delta \hat{\lambda}_1 \frac{\partial^2 L}{\partial \zeta \partial \lambda}(\hat{\zeta}_1, \hat{\lambda}_1)$	$\Delta \hat{\zeta}_1 \frac{\partial^2 L}{\partial \zeta \partial \lambda}(\hat{\zeta}_1, \hat{\lambda}_1)$
31	(2.8)	$\begin{bmatrix} \Delta \hat{\zeta} \\ \Delta \hat{\lambda} \end{bmatrix}_t$	$\begin{bmatrix} \Delta \hat{\zeta} \\ \Delta \hat{\lambda} \end{bmatrix}_t$
33	12	$h_j^2 P_j Q_j$	$h_j^2 / (P_j Q_j)$
35	7	divided by	divided by $\sum_{j=1}^k f_j W_j,$
35	(2.14)	$\sum_{j=1}^k f_j W_j.$	$\sum_{j=1}^k f_j W_j$
38	(2.17)	$P_i = P(\theta_i)$	$P_j = P(\theta_j)$
40	20	$(p_j - P_j) / P_j Q_j$	$(p_j - P_j) / (P_j Q_j)$
41	(2.21)	$\sum_{j=1}^k f_j v_j$	$\sum_{j=1}^k f_j W_j v_j$
41	(2.21)	$\sum_{j=1}^k f_j W_j.$	$\sum_{j=1}^k f_j W_j$
47	8	$\left[\frac{r_j}{P_j} - \frac{(f_j - r_j)}{Q_j^*} \right]$	$\left[\frac{r_j}{P_j} - \frac{(f_j - r_j)}{Q_j} \right]$
47	11	$P_j^* Q_j^*$	$P_j^* Q_j^* / (P_j Q_j)$
47	(2.24)	$(\theta_i - b)$	$(\theta_j - b)$
47	17	$(\theta_i - b)$	$(\theta_j - b)$
47	18	$(\theta_i - b)$	$(\theta_j - b)$
49	1	$P_j^* Q_j^* / [P_j Q_j (1 - c)]$	$[P_j^* Q_j^* / (P_j Q_j)] (1 - c)$
50	2	$\left[\frac{Q_j}{1 - c} - \frac{c Q_j}{1 - c} \right]$	$\left[\frac{Q_j}{1 - c} - P_j - \frac{c Q_j}{1 - c} \right]$
50	3	$(-P_j - p_j + P_j)$	$\left[P_j - (p_j - P_j) \left(1 - \frac{P_j}{Q_j} \right) \right]$
50	4	p_j	$[P_j - (p_j - P_j)(1 - P_j/Q_j)]$
50	10	$\left. - (f_j p_j - f_j P_j) \frac{(P_j - c)}{P_j (1 - c)} \right\}$	$\left. - (f_j p_j - f_j P_j) \frac{(P_j - c)}{P_j (1 - c)} \frac{1}{(\theta_j - b)} \right\}$
50	12	$+ \frac{(P_j - c)}{P_j (1 - c)}$	$+ \frac{(P_j - c)}{P_j (1 - c)} \frac{1}{(\theta_j - b)}$
50	14	$+ \frac{(P_j - c)}{P_j (1 - c)}$	$+ \frac{(P_j - c)}{P_j (1 - c)} \frac{1}{(\theta_j - b)}$
51	14	$\frac{Q_j}{P_j}$	$P_j Q_j$
51	16	$\frac{Q_j}{P_j}$	$P_j Q_j$
51	16	$\left[\frac{P_j^*}{P_j} \right]$	$\left[\frac{P_j^*}{P_j} \right]^2$
52	5	$\left[\frac{P_j^*}{P_j} \right]$	$\left[\frac{P_j^*}{P_j} \right]^2$
52	10	L_{23}	$E(L_{23})$
55	8	$\sum_{j=1}^n$	$\sum_{j=1}^k$
55	12	Table 2.3	Table 2.2
56	3	χ_j	$\chi^2 = \sum_{j=1}^k \chi_j^2$
56	21	was used	estimation was used
59	3	$1/2f_j$	$1/(2f_j)$
59	4	$1 - (1/2f_j)$	$1 - [1/(2f_j)]$
60	35	scale the	scale. The
61	13	three-parameter that	three-parameter model that
61	19	two-parameter	two-parameter

Chapter 3

Page	Line	In place of	Read
63	10	known; Second,	known. Second,
63	12	basis; Third,	basis. Third,
63	23	$(u_{1j}, u_{2j}, u_{3j}, \dots, u_{nj} \theta_j)$	$(u_{1j}, u_{2j}, u_{3j}, \dots, u_{nj})$
64	31	log-likelihood	log-likelihood
65	3	$h_{ij}^2 / P_{ij} Q_{ij}$	$h_{ij}^2 / (P_{ij} Q_{ij})$
65	15	$-\sum_{j=1}^n \lambda_i^2 W_{ij}$	$-\sum_{i=1}^n \lambda_i^2 W_{ij}$
65	(3.9)	$\frac{\sum_{j=1}^n \lambda_i^2 W_{ij}}{\sum_{j=1}^n 1} = \frac{\sum_{j=1}^n \alpha_i^2 W_{ij}}{\sum_{j=1}^n 1}$	$\frac{\sum_{i=1}^n \lambda_i^2 W_{ij}}{\sum_{i=1}^n 1} = \frac{\sum_{i=1}^n \alpha_i^2 W_{ij}}{\sum_{i=1}^n 1}$
67	3	$-\sum_{j=1}^n \lambda_i^2 W_{ij}$	$-\sum_{i=1}^n \lambda_i^2 W_{ij}$
67	(3.14)	$\frac{\sum_{j=1}^n \lambda_i^2 W_{ij}}{\sum_{j=1}^n 1} = \frac{\sum_{j=1}^n \alpha_i^2 W_{ij}}{\sum_{j=1}^n 1}$	$\frac{\sum_{i=1}^n \lambda_i^2 W_{ij}}{\sum_{i=1}^n 1} = \frac{\sum_{i=1}^n \alpha_i^2 W_{ij}}{\sum_{i=1}^n 1}$
68	5	P_i	P_{ij}
68	6	P_i	P_{ij}
69	(3.15)	$\sum_{j=1}^n a_i W_{ij}$	$\sum_{i=1}^n a_i W_{ij}$
69	9	"guessing"	"guessing"
69	(3.16)	$\sum_{j=1}^n \alpha_i^2$	$\sum_{i=1}^n \alpha_i^2$
70	8	Birnbaum 1957,	Birnbaum, 1957,
70	34	$\partial P_i / \partial \theta$	$\partial P_i(\theta) / \partial \theta$
71	(3.19)	$\sum_{j=1}^n I_i(\theta) = \sum_{j=1}^n$	$\sum_{i=1}^n I_i(\theta) = \sum_{i=1}^n$
72	37	$\alpha_i = .9, \beta_i = 0.$	$\alpha_i = 0.9, \beta_i = 0.0.$
72	37	$\beta_i = 0$	$\beta_i = 0.0$
74	5	Table 2.2	Table 2.1
74	14	"compensation"	"compensation"
74	(3.25)	$.64\alpha_i^2$	$0.64\alpha_i^2$
74	33	$.724\alpha_i^2$	$0.724\alpha_i^2$
75	(3.28)	θ_{\max}	θ_{\max}
75	11	$c_i = 0.2$	$c_i = .2$
75	15	$.8^2$	0.8^2
75	16	$.64$	0.64
75	17	$.1090$	0.1090
76	Fig. 3.2	$c_i = 0.2$	$c_i = .2$
77	18	$[P_i(\theta) + Q_i(\theta)]$	$[P_i(\theta) + Q_i(\theta)]$
77	20	if	is
79	8	$.2.$	$0.2.$
79	10	$-.5$ to $+.5$	-0.5 to $+0.5$
80	13	models,	model,

Page	Line	In place of	Read
84	22	Panachapakesan	Panchapakesan
85	25	$[u_{ij}]$ and θ is	$[u_{ij}]$. Let ξ be the vector of all item parameters and θ be
84	(4.1)	$\text{Prob}(U \theta)$	$\text{Prob}(U \theta, \xi)$
84	(4.2)	$\text{Prob}(U \theta)$	$\text{Prob}(U \theta, \xi)$
84	(4.2)	$P_i^{u_{ij}} Q_i^{1-u_{ij}}$	$P_{ij}^{u_{ij}} Q_{ij}^{1-u_{ij}}$
84	(4.3)	$\text{Prob}(U \theta)$	$\text{Prob}(U \theta, \xi)$
85	(4.6)	$\frac{\partial L}{\partial \theta_i}$	$\frac{\partial L}{\partial \theta_j}$
85	(4.6)	$\sum_{j=1}^N u_{ij} \frac{1}{P_{ij}} \frac{\partial P_{ij}}{\partial \theta_i} \sum_{j=1}^N (1-u_{ij}) \frac{1}{Q_{ij}} \frac{\partial Q_{ij}}{\partial \theta_i}$	$\sum_{i=1}^n u_{ij} \frac{1}{P_{ij}} \frac{\partial P_{ij}}{\partial \theta_j} \sum_{i=1}^n (1-u_{ij}) \frac{1}{Q_{ij}} \frac{\partial Q_{ij}}{\partial \theta_j}$
85	23	$\frac{\partial^2 L}{\partial \zeta_i \partial \lambda_i}$	$\frac{\partial^2 L}{\partial \zeta_i \partial \lambda_i}$
85	23	$\frac{\partial^2 L}{\partial \theta_j \partial \zeta_i}$	$\frac{\partial^2 L}{\partial \theta_j \partial \zeta_i}$
85	23	$\frac{\partial^2 L}{\partial \theta_j \partial \lambda_i}$	$\frac{\partial^2 L}{\partial \theta_j \partial \lambda_i}$
86	(1,N)	$\frac{\partial^2 L}{\partial \lambda_1 \partial \theta_N}$	$\frac{\partial^2 L}{\partial \zeta_1 \partial \theta_N}$
86	(3,N)	$\frac{\partial^2 L}{\partial \lambda_2 \partial \theta_N}$	$\frac{\partial^2 L}{\partial \zeta_2 \partial \theta_N}$
86	(5,N)	$\frac{\partial^2 L}{\partial \lambda_n \partial \theta_N}$	$\frac{\partial^2 L}{\partial \zeta_n \partial \theta_N}$
86	(7,N)	$\frac{\partial^2 L}{\partial \theta_2 \partial \theta_N}$	$\frac{\partial^2 L}{\partial \theta_1 \partial \theta_N}$
87	38	Table 4.3	Figure 4.3
90	(4.8)	$\frac{\partial^2 L}{\partial \zeta_i \partial \lambda_i}$	$\frac{\partial^2 L}{\partial \zeta_i \partial \lambda_i}$
90	(4.8)	$\frac{\partial^2 L}{\partial \lambda_i \partial \zeta_i}$	$\frac{\partial^2 L}{\partial \lambda_i \partial \zeta_i}$
91	42	λ_i and	λ_i , and
92	28	$\text{Prob}(U \theta) = \prod_{g=1}^G$	$\text{Prob}(U \theta, \xi) = \prod_{g=1}^G \binom{f_g}{r_g}$
93	14	$(u_{ij} - P_{ij})/P_{ij}Q_{ij}$	$(u_{ij} - P_{ij})/(P_{ij}Q_{ij})$
93	14	$(p_{ig} - P_{ig})/P_{ig}Q_{ig}$	$(p_{ig} - P_{ig})/(P_{ig}Q_{ig})$
94	11	Panachapakesan	Panchapakesan
94	19	$\hat{\alpha}_i, \hat{\beta}_i,$	$\hat{a}_i, \hat{b}_i,$
94	26	Panachapakesan	Panchapakesan
96	(4.12)	$\text{Prob}(V \theta)$	$\text{Prob}(V \theta, \xi)$
96	27	filled- in	filled-in
97	23	.5 units	0.5 units
104	30	1,999	1999

Page	Line	In place of	Read
109	34	follows: the	follows: The
110	20	U_{ij}	U
113	6	$\log \delta_j \quad -\infty < \beta_j < \infty$	$\log \delta_i \quad -\infty < \beta_i < \infty$
114	13	Figure 5.3.	Figure 5.2.
118	3	$U_{(n-1)j}$	$U_{n-1,j}$
118	13	$(\epsilon_2 \epsilon_3 \cdots \epsilon_{r+1})$	$(\epsilon_1 \cdots \epsilon_{r-1} \epsilon_{r+1})$
119	22	Table 5.2.	Table 5.3.
120	20	$P((u_{ij}) u_{.j} = r, \epsilon_1, \epsilon_2, \dots, \epsilon_n)$	$P((u_{ij}) u_{.j} = r, \eta_j, \epsilon_1, \epsilon_2, \dots, \epsilon_n)$
126	28	Rasch, 1960,	Rasch, 1960, p. 177,
131	11	$P((u_{ij} u_{.j} = r_j)$	$P((u_{ij} u_{.j} = r_j, (\beta_i))$
133	21	$L_{hh} = \frac{\partial^2}{\partial \beta_h^2}$	$L_{hh} = \frac{\partial^2 L}{\partial \beta_h^2} = \sum_{r=1}^{n-1} f_r \frac{\partial^2}{\partial \beta_h^2} \log \gamma(r, \beta),$ where $\frac{\partial^2}{\partial \beta_h^2} \log \gamma(r, \beta)$
133	25	$L_{hk} = \frac{\partial^2}{\partial \beta_h \partial \beta_k}$	$L_{hk} = \frac{\partial^2 L}{\partial \beta_h \partial \beta_k} = - \sum_{r=1}^{n-1} f_r \frac{\partial^2}{\partial \beta_h \partial \beta_k} \log \gamma(r, \beta),$ where $\frac{\partial^2}{\partial \beta_h \partial \beta_k} \log \gamma(r, \beta)$
138	7	$\partial^2 L / \partial \theta_j \partial \beta_i$	$\partial^2 L / (\partial \theta_j \partial \beta_i)$
139	(5.55)	$-s_i-$	$-s_i+$
141	8	$\hat{\theta}_g^{(t)}$	$\hat{\theta}_g^{(t)}$
141	24	Since log	Since
143	29	$< .05$	< 0.05
143	37	$< .05$	< 0.05
144	1	$< .025$	< 0.025
144	4	$< .0001$	< 0.0001
146	18	parameters of under	parameters under
146	42	.08 to .12	0.08 to 0.12
146	43	.08 or .09	0.08 or 0.09
147	3	.03	0.03
147	24	146	138
149	23	5.65	5.66
151	9	Rash	Rasch
152	22	Trauba,	Traub,
152	35	Hartel	Haretel
153	9	Hartel	Haretel
153	13	Vijiver	Vijver

Chapter 6

Page	Line	In place of	Read
161	13	$\frac{\partial}{\partial a_i} [P_i(\theta)^{u_{ij}}] Q_i(\theta)^{1-u_{ij}}$	$Q_i(\theta)^{1-u_{ij}} \frac{\partial}{\partial a_i} [P_i(\theta)^{u_{ij}}]$
162	3	$h \neq i$ rather than i	i rather than $h \neq i$
163	24	$= \frac{1}{Q_i(\theta_j)}$	$= -\frac{1}{Q_i(\theta_j)}$
165	5	$P_i^*(X_k) Q_i^*(X_k) / P_i(X_k) Q_i(X_k)$	$P_i^*(X_k) Q_i^*(X_k) / [P_i(X_k) Q_i(X_k)]$
167	(6.20)	$\prod_{i=1}^n u_{ij}$	$u_{ij} \prod_{i=1}^n$
172	42	(.89)	(0.89)

Page	Line	In place of	Read
179	22	hyperparameter	hyperparameters
180	6	estimate	estimates
184	3	: the	: The
184	27	$P_i^*(\theta_j)Q_i^*(\theta_j)/P_i(\theta_j)Q_i(\theta_j)$	$P_i^*(\theta_j)Q_i^*(\theta_j)/[P_i(\theta_j)Q_i(\theta_j)]$
187	(7.19)	$\mu_\alpha = \exp(\mu_\alpha + 0.5\sigma_\alpha)$	$\mu_\alpha = \exp(\mu_\alpha + 0.5\sigma_\alpha^2)$
187	(7.19)	$\sigma_\alpha^2 = \exp(2\mu_\alpha + \sigma_\alpha)$	$\sigma_\alpha^2 = \exp(2\mu_\alpha + \sigma_\alpha^2)$
190	5	M step	M-step
190	(7.25)	$\frac{[P_i(X_k) - c_i]^2}{(1 - c_i)^2} \frac{Q_i(X_k)}{P_i(X_k)}$	$\frac{P_i(X_k) - c_i}{(1 - c_i)^2} \frac{Q_i(X_k)}{P_i^2(X_k)}$
190	(7.27)	$\frac{Q_i(X_k)}{P_i(X_k)}$	$\frac{Q_i(X_k)}{P_i^2(X_k)}$
192	5	the prior distribution	the exchangeable prior distribution
192	(7.36)	$P_i(\theta)^{u_{ij}} Q_i(\theta)^{1 - u_{ij}}$	$P_i(\theta_j)^{u_{ij}} Q_i(\theta_j)^{1 - u_{ij}}$
192	(7.37)	$\left(\frac{\theta_j - \mu_\theta}{\sigma_\theta^2} \right)$	$\left(\frac{\theta_j - \mu_\theta}{\sigma_\theta^2} \right)$
196	25	faster, in	faster, in
197	29	0.75 and 0.25	0.75, and 0.25
199	15	.25	0.25
199	16	.25	0.25
201	21	.25 ²	0.25 ²
202	4	were	where

Chapter 8

Page	Line	In place of	Read
209	17	item and will always be less than .5	item
211	20	$G \times n$	$G \times m$
212	(8.4)	$P_{g1}^{r1} P_{g2}^{r2}$	$P_{g1}^{rg1} P_{g2}^{rg2}$
213	2	$+\dots$	$+\dots+$
213	16, 18	$P_{gk}^*, P_{g,k+1}^*$	$P_{gk}, P_{g,k+1}$
213	21	P_{g1}^*, P_{g2}^*	P_{g1}, P_{g2}
213	23	$P_{g,m-1}^*, P_{gm}^*$	$P_{g,m-1}, P_{gm}$
218	(8.7)	$[\dots L_\lambda]$	$[\dots L_\lambda]_{(t)}$
220	35	$\partial P_i(\theta)/\partial\theta$	$\partial P_i(\theta)/\partial\theta$
224	6-7	$\theta = -0.5$ and	$\theta = 0.0$
224	10	$\theta = -0.5$ and $\theta = +1.0$	$\theta = -3.0$ and $\theta = 3.0$
224	11	bimodal, with a pronounced through between the two modes	unimodal
225	1	Equation 8.11	Equation 8.21

Chapter 9

Page	Line	In place of	Read
237	9	0.34	-0.34
237	(9.5)	two $e^{Z_1} + e^{Z_1}$	two $e^{Z_1} + e^{Z_2}$
237	34	$= P(\theta_j)P_1(\theta_j) =$	$= P(\theta_j)$ and $P_1(\theta_j) =$
240	1	$\frac{1}{m}$ in the $(m, 2)$ element in the matrix	$-\frac{1}{m}$
244	13	$(\theta_{g1}, \theta_{g2}, \dots, \theta_{gm})$	$(r_{g1}, r_{g2}, \dots, r_{gm})$
245	8	$\frac{\partial Z_{k+1}}{\partial \gamma_k}$	$\frac{\partial Z_{k+1}}{\partial \xi_k}$
246	17	$= -$	$=$
254	1	$P_{jm}P_{jk}$ in the (m, k) element in the matrix	$-P_{jm}P_{jk}$

Chapter 10

Page	Line	In place of	Read
278	(10.49)	$\partial\zeta_i\lambda_i, \partial\lambda_i\zeta_i$	$\partial\zeta_i\partial\lambda_i, \partial\lambda_i\partial\zeta_i$

Chapter 11

Page	Line	In place of	Read
288	11	as	as:
289	1	$\frac{\partial^2 \log L}{\partial \lambda_i^2}$.	$\frac{\partial^2 \log L}{\partial \lambda_i^2}$

Chapter 12

Page	Line	In place of	Read
303	12	Best, & Gilks	Best, and Gilks

Appendices

Page	Line	In place of	Read
313	25	one.	one, respectively.
314	18	1040 and 1042	1104 and 1142
314	27	level,	levels,
315	30	level,	levels,
316	4	level	levels
317	# 1230	GOTO 1350	GOTO 1360
319	8	a one-,	one-,
319	16	slopes and	slopes, and
320	33	tenth item	tenth items
325	30	estimate.	estimates.
334	28	\bar{n}_{ik}	\bar{n}_{ik} (i.e., \bar{f}_{ik})
351	23	(-.282)	(-0.282)
373	17	SUM= .1697909	SUM= .2199019
373	24	THETA= .4874895 DELTA= -8.748952E-02	THETA= .5133106 DELTA= -.1133106
373	29	DELTA= -.0047	DELTA= -.000026
373	32	THETA= .5344664 DELTA= -4.697688E-02	THETA= .5135719 DELTA= -2.612587E-04
373	33	THETA ESTIMATE= .5344664	THETA ESTIMATE= .5135719
378	# 140	SDS=0:FDS=0:PRINT	PRINT
378	# 150	MAXIT	MAXIT:SDS=0:FDS=0
379	# 5010	FDS=FDS+FTERM	FDS=FDS+A(I)*FTERM
415	38	$\mu_2 = 1$	$\mu_2 = 0$
439	32	total possible	total number of possible
440	4	these variables where theses	the variables where they
440	19	1 indicates	0 indicates
440	20	0 indicates	1 indicates
440	31	calculated	are calculated
446	49	PI)))	PI*S2)))
456	5	(1988)	(1989)
457	21	.5	0.5
457	37	following:	followings:

References

Page	Line	In place of	Read
465	No. 13	(1978)	(1978a)
465	No. 17	analysis,	analysis
466	No. 24	Madison, WI.	Madison.
468	No. 77	<i>Function and Allied Tables</i>	<i>function and allied tables</i>
471	After No. 135	Add a reference	Holland, P., & Wainer, H. (Eds.). (1993). <i>Differential item functioning</i> . Hillsdale, NJ: Erlbaum.
473	No. 176	Clogg, C. C.	Clogg, C. C.,
474	No. 193	Minneapolis, MN:	Minneapolis:
475	After No. 215	Add a reference	Mislevy, R. J., & Bock, R. D. (1990). <i>BILOG 3: Item analysis and test scoring with binary logistic models</i> (2nd ed.) [Computer software and manual]. Mooresville, IN: Scientific Software.
476	No. 235	Chicago, IL:	Chicago:
476	After No. 235	Add a reference	Press, W. H., Teukolsky, S. A., Vetterling, W. T., & Flannery, B. P. (1992). <i>Numerical recipes in Fortran: The art of scientific computing</i> (2nd ed.). New York: Cambridge University Press.
476	No. 138	Danish	The Danish
476	No. 239	psychology).	psychology.
476	No. 241	Lazarsfeld ,	Lazarsfeld
476	No. 249	Ross, J. ,	Ross, J.,
477	No. 258	Sanathanan, L.	Sanathanan, L.,
477	No. 261	Spada,	Spada
477	After No. 267	Add a reference	Sprott, J. C. (1991). <i>Numerical recipes routines and examples in BASIC</i> . New York: Cambridge University Press.
478	No. 284	Thissen, D ,	Thissen, D.,
478	No. 291	Steinberg, L,	Steinberg, L.,
479	No. 292	Steinberg, L,	Steinberg, L.,
479	No. 293	Steinberg, L,	Steinberg, L.,