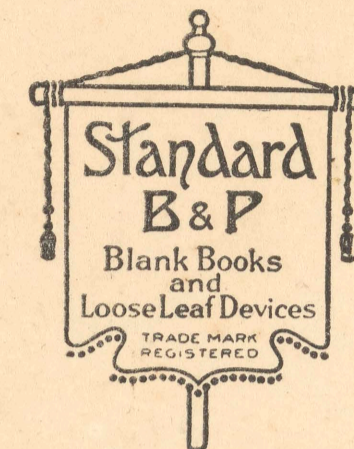


125

From Lunar and Planetary
Lab, Tucson, in 2012.
Probably Kuiper's



Standard Blank Book

No. 38

Journals Double \$ and Cts. no Units
S. E. Ledgers " " "
D. E. Ledgers Full Page Form "
Records with Margin Line

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TO REORDER THIS BOOK, SPECIFY
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A BOORUM & PEASE PRODUCT

H. NIEDECKEN COMPANY
MFG. STATIONERS SINCE 1847
MILWAUKEE
Everything for your Office but the machines

URANUS SATELLITES

CC1	1948, 15 Feb.	2 ^h 55 ^m 0 ^s ✓	4 ^m	II G-n.f.		GPK
CC5	16 Feb.	2-50-0 ✓	6^m	II G Zeiss Yellow		GPK
CC9	1 Mar	2-37-35 ✓	10 ^m	II G-n.f.		GPK
CC10	1 Mar	2-45-35 ✓	3 1/2 ^m	II G-n.f.		GPK
CC11	24 Mar	2-0-25 ✓	3 ^m 50 ^s	II G-nf	Sky Ring	GPK
CC12	24 Mar	2-7-48 ✓	3 ^m 55 ^s	II G-nf	"	GPK
CC21	24 Mar	3-32-20 ✓	7 ^m	II G-nf	"	GPK
CC22	24 Mar	3-45-32 ✓	12 ^m	II G-nf	"	GPK
CC31	25 Mar	2-30-24 ✓	5 ^m 15 ^s	II G-nf	"	GPK
CC32	25 Mar	2-37-8 ✓	2 1/2 ^m	II G-nf	"	GPK
CC33	25 Mar	2-41-45 ✓	4 ^m 5 ^s	II G-nf	"	GPK
CC34	25 Mar	2-46-38 ✓	3 ^m 10 ^s	II G-nf	"	GPK

1879	8 Mar	2-16-00	8 ^m	103aF-bkd	} Prime Focus	TLP
1881	10 Mar	2-12-00	6 ^m	103aF-bkd		TLP

CC 43	19 Oct	9-58-12 ✓	4 ^m	II-Gbk-nf		GPK/DLM	1948.80
44	19 Oct	10-03-00 ✓	4 ^m				1948.80
45	19 Oct	10-08-39 ✓	62^s				
46	21 Oct	10-50-03 ✓	4		Sky Ring		.81
47	21 Oct	10-55-10 ✓	4 ^m 4 ^s				
48	24 Oct	8-24-57 ✓	6 2 ^s				.81
49	24 Oct	11-31-05 ✓	8				
50	24 Oct	11-44-43 ✓	6				
51	24 Oct	11-51-13 ✓	6				
52	24 Oct	12-00-03 ✓	6				

2432000 +

596.62153 ✓
597.61806 ✓
611. 61557 ✓
611. 61499 ✓
634.58362
634.58875
634.64745
634.65662
635.60445
635.60912
635.61233
635.61572

843.91542 ✓
843.91875 ✓
843.92267 ✓
845.95142 ✓
845.95498 ✓
848.85066 ✓
848.97992 ✓
848.98939 ✓
848.99390 ✓
849.00003 ✓

CC 53	25 Oct 48	8:29:32 ✓	6 ^m 6 ^s	II G-bkd nofilter
54		8:49:30 ✓	6 ^m 2 ^s	
55		8:56:24 ✓	6 ^m 1 ^s	
56		9:06:20 ✓	4 ^m 1 ^s	
57		9:12:04 ✓	4 ^m 1 ^s	
58		10:07:50 ✓	6 ^m 4 ^s	
59		10:14:28 ✓	6 ^m 2 ^s	
60		10:23:41 ✓	6 ^m 8 ^s	
61		10:29:28 ✓	2 ^m 58 ^s	
62		11:16:02 ✓	6 ^m 1 ^s	
63		11:22:14 ✓	3 ^m 4 ^s	
64		11:38:40 ✓	6 ^m 1 ^s	
65		11:43:40 ✓	3 ^m 1 ^s	
67	26 Oct 48	8:18:40 ✓	6 ^m 6 ^s	
68		8:28:21 ✓	6 ^m 12 ^s	
69		8:37:13 ✓	6^m2^s	
70		8:45:18 ✓	6 ^m 10 ^s	
71A		8:53:46 ✓	3 ^m 1 ^s	
71B		8:58:18 ✓	3 ^m 1 ^s	
72A		9:06:53 ✓	2 ^m 6 ^s	
72B		9:10:42 ✓	3 ^m	
73		10:05:42 ✓	6 ^m 3 ^s	
74		10:12:12 ✓	6 ^m 5 ^s	
75A		10:19:06 ✓	3 ^m 1 ^s	
75B		10:23:18 ✓	3 ^m	

1948.82

2432000 +

849.85384 ✓
849.86771 ✓
849.87250 ✓
849.87940 ✓
849.88338 ✓
849.92211 ✓
849.92671 ✓
849.93311 ✓
849.93713 ✓
849.96946 ✓
849.97377 ✓
849.98518 ✓
849.98865 ✓
1948.82
850.84630 ✓
850.85302 ✓
850.85918 ✓
850.86479 ✓
850.87067 ✓
850.87382 ✓
850.87978 ✓
850.88243 ✓
850.92063 ✓
850.92514 ✓
850.92993 ✓
850.93285 ✓

CC 76A	26 Oct 48	10:27:36 ✓	3 ^m 1 ^s
76B		10:31:38 ✓	3 ^m 1 ^s
77A		11:29:44 ✓	3 ^m 2 ^s
77B		11:33:46 ✓	3 ^m 1 ^s
78A		11:40:20 ✓	6 ^m 1 ^s
79		11:47:33 ✓	6 ^m
80		11:54:43 ✓	6 ^m
81A	27 Oct 48	7:31:16 ✓	6 ^m
81B		7:37:26 ✓	3^m 1^s
82A		7:42:05 ✓	3^m
82B		7:47:37 ✓	6 ^m
83A		7:56:07 ✓	6 ^m
83B		8:02:26 ✓	3^m 2^s
84A		8:06:56 ✓	3^m
84B		8:13:01 ✓	6 ^m
85A		8:33:13 ✓	6 ^m
85B		8:39:05 ✓	3^m
86A		8:43:04 ✓	3^m
86B		8:48:56 ✓	6 ^m
87A		9:00:32 ✓	6 ^m 2 ^s
87B		9:06:15 ✓	3^m
88A		9:12:29 ✓	3^m 4^s
88B		9:18:15 ✓	6 ^m 1 ^s
89A		9:30:56 ✓	6 ^m 2 ^s
89B		9:36:37 ✓	3 ^m

2432000+

850.93584 ✓

850.93863 ✓

850.97898 ✓

850.98178 ✓

850.98634 ✓

850.99135 ✓

850.99633 ✓

851.81338 ✓

851.81766 ✓

851.82089 ✓

851.82474 ✓

851.83064 ✓

851.83502 ✓

851.83815 ✓

851.84237 ✓

851.85640 ✓

851.86048 ✓

851.86324 ✓

851.86736 ✓

851.87537 ✓

851.87934 ✓

851.88367 ✓

851.88767 ✓

851.89648 ✓

851.90043 ✓

1948.82

957000

CC90A	27 Oct 48	9:41:20	✓ 3 ^m 2 ^s
90B		9:47:45	✓ 6 ^m
91A		11:08:38	✓ 3 ^m
91B		11:15:30	✓ 6 ^m
92A		11:22:06	✓ 6 ^m
92B		11:27:42	3 ^m
93A		11:41:45	✓ 6 ^m
93B		11:47:52	✓ 3 ^m
94A	31 Oct 48	9:44:06	✓ 6 ^m 7 ^s
B		9:52:10	✓ 6 ^m
C		10:00:09	✓ 6 ^m 6 ^s
D		10:09:30	✓ 6 ^m 10 ^s
95A		10:18:18	✓ 6 ^m 17 ^s
B		10:26:54	✓ 5 ^m 38 ^s
C		10:34:24	✓ 5 ^m 59 ^s
D		10:43:25	✓ 6 ^m 00 ^s
96A		11:00:52	✓ 6 ^m 58 ^s
B		11:09:18	✓ 5 ^m 46 ^s
C		11:17:26	✓ 6 ^m 07 ^s
97A		11:25:24	✓ 5 ^m 59 ^s
B		11:33:22	✓ 5 ^m 55 ^s
C		11:41:10	✓ 6 ^m
98A	6 Nov	8:08:00	✓ 6 ^m
B		8:16:00	✓ 6 ^m
C		8:24:00	✓ 6 ^m
D		8:32:00	✓ 6 ^m

2432000

851.90370	✓
851.90816	✓
851.96433	✓
851.96910	✓
851.97368	✓
851.97762	✓
851.98733	✓
851.99157	✓
855.90563	✓
855.91123	✓
855.91677	✓
855.92327	✓
855.92938	✓
855.93534	✓
855.94056	✓
855.94682	✓
855.95893	✓
855.96479	✓
855.97044	✓
855.97597	✓
855.98150	✓
855.98693	✓
861.83889	✓
84444	✓
85000	✓
85556	✓

99A 6 Nov 8:51:00 ✓ 5^m50^S
 B 8:59:00 ✓ 6^m
 C 9:08:00 ✓ 6^m
 D 9:17:00 ✓ 6^m
 100A 9:39:00 ✓ 6^m
 B 9:49:00 ✓ 6^m
 C 9:57:02 ✓ 5^m55^S
 D 10:05:00 ✓ 6^m
 101A 10:34:00 ✓ 6^m
 B 10:42:00 ✓ 6^m
 102A 10:51:00 ✓ 6^m
 B 10:59:00 ✓ 6^m
 103A 11:07:00 ✓ 6^m
 B 11:15:00 ✓ 6^m
 104A 7 Nov 8:34:00 ✓ 6^m
 B 8:41:00 ✓ 6^m
 C 8:48:00 ✓ 6^m
 105A 8 Nov 9:28:00 ✓ 6^m
 B 9:35:00 ✓ 6^m
 106A 9:42:00 ✓ 6^m
 B 9:49:00 ✓ 6^m
 107A 9:56:00 ✓ 6^m
 B 10:03:00 ✓ 6^m
 108A 10:10:00 ✓ 6^m
 B 10:17:00 ✓ 6^m

861. 86875 ✓
 87431 ✓
 88056 ✓
 88681 ✓
 90708 ✓
 90903 ✓
 91460 ✓
 92014 ✓
 94028 ✓
 94583 ✓
 95208 ✓
 95764 ✓
 96319 ✓
 96875 ✓
 862. 85694 ✓
 86181 ✓
 86667 ✓
 863. 89444 ✓
 89931 ✓
 90417 ✓
 90903 ✓
 91389 ✓
 91875 ✓
 92361 ✓
 92847 ✓

109A	10 Nov 48	7:36:00	✓ 6 ^m	865.81667	✓
B		7:43:00	✓ 6 ^m	.82153	✓
110A		7:50:00	✓ 6 ^m	82639	✓
B		7:57:00	✓ 6 ^m	83125	✓
111A		8:04:00	✓ 6 ^m	83611	✓
B		8:11:00	✓ 6 ^m	84097	✓
112A		8:18:00	✓ 6 ^m	84583	✓
B		8:25:00	✓ 6 ^m	85069	✓
113A		9:00:00	✓ 6 ^m	87500	✓
B		9:07:00	✓ 6 ^m	87986	✓
114A		9:14:00	✓ 6 ^m	88472	✓
B		9:21:20	✓ 6 ^m 40 ^s	88981	✓
115A		9:31:00	✓ 6 ^m	89653	✓
B		9:38:00	✓ 6 ^m	90139	✓
116A		9:45:00	✓ 6 ^m	90625	✓
B		9:52:00	✓ 6 ^m	91111	✓
117A		10:05:00	✓ 6 ^m	92014	✓
B		10:12:00	✓ 6 ^m	92500	✓
118A		10:20:00	✓ 8 ^m	93056	✓
B		10:28:10	✓ 6 ^m	93623	✓
119A	11 Nov 48	8:44:00	✓ 6 ^m	866.86389	✓
B		8:49:32	✓ 3 ^m 5 ^s	86773	✓
120	24 Feb 49	1:53:00	4 ^m		
121		2:01:02	4 ^m 4 ^s		
122		2:08:30	5 ^m		

123	24 Feb 49	2:23:00	6 ^m
124	24 Feb 49	3:51:03	6 ^m 5
125		4:00:00	6 ^m
126		4:06:32	3 ^m 4 5
127		4:11:30	3 ^m
139	26 Feb 49	6:37:00	4 ^m
145A	27 Feb	1:50:30	3 ^m
B		1:56:40	6 ^m
C		2:06:00	6 ^m
D		2:13:40	6 ^m
146A		2:25:42	3 ^m 3 5
		2:31:41	6 ^m
		2:40:41	6 ^m
		2:48:21	6 ^m
147A		3:46:33	3 ^m
		3:52:13	6 ^m
		4:00:13	6 ^m
		4:07:43	6 ^m

Saturn

1	1947, 3 Nov	10 ^h 45 ^m 30 ^s .	4	IG	Trail	DLH
		10-50-30.	4			
		10 55-30.	4			
2	17 Nov	10-8-32.	3	S.O.Press	Trail	
		10-12-32.	3			
3	17 Nov	10-41-32.	9	IG		
		10-48-32.	3			
4	30 Nov	10-27-51.	3	S.O.Press		
		10-31-51.	3			
		10-35-51.	3			
5	30 Nov	10-50-51.	1	S.O.Press		
		10-52-51.	1			
		10-55-51.	3			
		10-59-51.	3			
6	30 Nov	11-10-51.	1	IG		
		11-12-21.	1			
		11-13-51.	1			
		11-15-21.	1			
		11-16-51.	1			
		11-18-21.	1			
7	1 Dec	10-26-34.	5	S.O.Press	Trail	
		10-32-34.	5			
		10-38-34.	5			
8	1 Dec	11-3-34.	3	S.O.Press	Trail	DLH
		11 7-34.	3			

Saturn

25 29 Jan 4-56-36 . 3^m

26 29 Jan 5-10-36 . 3^m

5-14-6 . 3^m

5-17-36 . 3^m

27 29 Jan 5-52-36 . 3^m

5-56-6 . 3^m

5-59-36 . 3^m

28 29 Jan 6-13-36 . 3^m

6-17-6 . 3^m

6-20-37 . 3^m

29 29 Jan 6-33-6 . 2^m

6-35-36 . 2^m

6-38-6 . 2^m

6-40-36 . 2^m

6-43-6 . 2^m

30 1 Feb 4-30-00 . 1^m

4-31-30 . 1^m

4-33-00 . 1^m

4-34-30 . 1^m

4-36-00 . 1^m

31 1 Feb 4-42-30 . 3^m

4-45-30 . 2^m

4-48-00 . 2^m

32 8 Feb 7-18-40 . 60^s

7-20-10 . 60^s

DLH

Trail
Titan sectored

Trail

Trail

Trail

Titan
Sector d

Titan
Sector d

DLH

Comp. plate

Comp. plate

Saturn

39	14 Feb	6-22-34.	1 ^m			D2H
40	18 Feb	3-55-40.	1 ^m	Trail		
		3-57-10.	1 ^m			
		3-58-40.	1 ^m			
		4-0-10.	1 ^m			
		4-1-40.	1 ^m			
41	18 Feb	4-13-40.	3 ^m	Trail		
		4-17-10.	3 ^m	Titan Sector		
		4-20-40.	3 ^m			
42	18 Feb	5-10-40.	1 ^m	Trail		
		5-12-10.	1 ^m			
		5-13-40.	1 ^m			
43	18 Feb	5-25-40.	3 ^m	Trail		
		5-29-10.	3 ^m	Titan Sector		
		5-32-40.	3 ^m			
		5-36-10.	3 ^m			
		5-39-40.	3 ^m			
44	21 Feb	4-22-33.	1 ^m	Trail		
		4-24-33.	1 ^m			
		4-26-33.	1 ^m			
45	21 Feb	4-36-33.	1 ^m	Trail		
		4-38-33.	1 ^m			
		4-40-33.	1 ^m			
46	21 Feb	4-52-33.	3 ^m	Trail		
		4-56-03.	3 ^m	Titan Sector	D2H	

Saturn

46	21 Feb	4-59-33	3 ^m		DLH
47	21 Feb	5-12-33	3 ^m	Trail	
		5-16-03	3 ^m	Titan Sector	
		5-19-33	3 ^m		
48	21 Feb	5-30-33	1 ^m	Trail	
		5-32-33	1 ^m		
		5-34-33	1 ^m		
49	5 Mar	4-41-02	1 ^m	Trail	
		4-43-02	1 ^m		
		4-45-02	1 ^m		
50	10 Mar	4-72-00	2 ^m	Titan Sector	
		4-24-30	2 ^m	Trail	
		4-27-00	2 ^m		
51	10 Mar	4-37-00	1 ^m	Trail	
		4-38-30	1 ^m		
		4-40-00	1 ^m		
52	20 Mar	3-13-02	1 ^m	Trail	
		3-14-32	1 ^m		
		3-15-47	30 ^s		
		3-16-47	30 ^s		
		3-17-47	30 ^s		
53	20 Mar	3-27-02	2 ^m	Trail	
		3-29-32	2 ^m		
		3-32-02	2 ^m		
54	24 Mar	3-0-45	30 ^s	Trail	DLH

Saturn

54	24 Mar	3-1-45	30 ^s			DLH
		3-2-45	30 ^s			
		3-3-45	30 ^s			
55	15 Apr	1-39-45	30 ^s	IG	Trail	
		1-41-15	30 ^s			
		1-43-00	30 ^s			
		1-44-45	30 ^s			
56	15 Apr	1-54-15	30 ^s	IG	Trail	
		1-55-45	30 ^s			
		1-57-45	30 ^s			
		1-59-45	30 ^s			
57	17 Apr	1-24-00	30 ^s	S.O.Press	Trail	DLH
		1-25-30	30 ^s			
		1-27-00	30 ^s			
		1-29-00	30 ^s			
		1-30-30	30 ^s			
		1-32-00	30 ^s			
58	25 Apr	1-27-45	30 ^s	S.O.Press	Trail	DLH
		1-28-45	30 ^s			
		1-29-45	30 ^s			
		1-30-45	30 ^s			
59	25 Apr	1-42-30	3 ^m	IG	Trail	
		1-46-00	3 ^m			
		1-49-30	3 ^m			
60	25 Apr	1-59-45	30 ^s	IG	Trail	DLH

Saturn

60	25 Apr	2-0-45	30 ^s			DH	
		2-1-45	30 ^s				
		2-2-45	30 ^s				
		2-3-45	30 ^s				
		2-4-50	40 ^s				
		2-5-45	30 ^s			DH	
CC 3	15 Feb	4-26-50	3 ^m	II-G Zeiss I.		GPK	Overexposed
4	15 Feb	4-30-5	30 ^s	" "			
7	16 Feb	3-50-00	2 ^m	" "			
8	16 Feb	3-52-15	30 ^s	" "			
13	24 Mar	2-32-45	20 ^s	II G-n.f.	Sky Ring		
14	24 Mar	2-35-00	10 ^s	"	"		
15	24 Mar	2-38-15	10 ^s	"	"		
16	24 Mar	2-40-05	20 ^s	"	"		
17	24 Mar	2-49-35	20 ^s	"	"		
18	24 Mar	2-52-44	8 ^s	"	"		
19	24 Mar	3-05-48	5 ^s	"	"		
20	24 Mar	3-7-14	3 ^s	"	"		
23	24 Mar	4-26-40	3 ^s	"	"		
24	24 Mar	4-30-10	2 ^s	"	"		
25	24 Mar	4-32-50	8 ^s	"	"		
26	24 Mar	4-44-55	2 ^s	"	"		
37	25 Mar	3-27-28	2 ^s	"	"		
38	25 Mar	3-28-33	6 ^s	"	"		
39	25 Mar	6-25-31	10 ^s	"	"	GPK	

CC 40	25 Mar	6-29-30	120 ^s	IG-nf	Sky Ring	GPK	Overexposed
41	25 Mar	6-32-21	10 ^s	"	"	1	
42	25 Mar	7-09-17	50 ^s	"	"	GPK	

