

国立天文台・天文情報センター・特別客員研究員 中桐正夫

***小島信久氏の天体写真乾板 103 枚を発見**

国立天文台旧図書館で古い天体写真乾板が見つかり、2008年に発足した天文情報センターアーカイブ室でその整理を分担して行っている。筆者は旧図書館で発見される天体写真以外の雑乾板・フィルムなどの整理を引き受けてきた。

筆者が整理している雑乾板・フィルムには天体写真も含まれている。今回、発見された天体写真乾板はコメットハンターとして知られた小島信久氏が1971年(昭和46年)9月28日～1975年(昭和50年)10月9日の間に撮影された手札版103枚の天体写真乾板である。撮影対象は彗星が主であり、それらが入っていたコダック乾板の箱、およびその中に入っていたFUJI FILMの天体写真乾板、SHEET FILMの箱(写真1)であり、この2つの小箱に入らない乾板が、撮影年月日が順不同で詰め込まれていた。その中にアーカイブ室新聞680号の記事のブロー二判の天体写真のフィルム、小島氏の手紙なども入っていた。その一覧が表1である。



写真1

撮影されている天体は、主に小島氏が発見された彗星であり、東京天文台の新天体発券業務に携わっていた香西洋樹氏に送られたもので、香西氏宛の手紙も入っている。

No.	KJ No.	Object	α	δ	年	月	日	begin	end	EXP	UT	Note
1	No.2		P/S-S, $\Delta=-5$		1971	9	28	02h08m00s	02h29m00s	20m		
2	No.5		P/S-S, $\Delta=-5$		1971	9	28	03h25m00s	03h45m00s	20m		
3	72125	New Comet?	18h23.4m	-18° 52'	1972	11	1	04h02m00s	04h20m00s	18m	31.79931	
4	72132	New Comet?			1972	11	2	03h15m00s	03h30m00s	15m		
5	72133	New Comet	8h22.1m	-19° 02'	1972	11	2	03h40m00s	03h50m00s	10m	1.78125	31cmf5 FLO II
6	72134	New Comet			1972	11	2	04h08m00s	04h18m00s	10m	1.8007	
7	72161	彗星1972j	Kojima		1972	11	25	28h49m00s	28h55m00s	6m	25.82778	
8	72162	彗星1972j	Kojima		1972	11	25	28h58m00s	29h03m00s	5m	25.83368	
9	72163	彗星1972j	Kojima		1972	11	25	29h05m00s	29h10m00s	5m	25.83854	
10	72165	彗星1972j			1972	11	28	28h55m00s	29h00m00s	5m	28.8316	

No.	KJ No.	Object		α	δ	年	月	日	begin	end	EXP	UT	Note
11	72166	彗星1972j				1972	11	28	29h02m00s	29h07m00s	5m	28.8364	
12	72169	彗星1972j	Kojima			1972	11	29	26h24m00s	26h29m00s	5m	29.72674	
13	72170	彗星1972j	Kojima			1972	11	29	26h33m00s	26h38m00s	5m	29.73299	
14	72174	彗星1972j	Kojima			1972	11	29	28h01m00s	28h06m00s	5m	29.7941	
15	72175	彗星1972j				1972	12	2	26h14m00s	26h21m00s	7m		
16	72178	彗星1972j	Kojima			1972	12	2	27h15m00s	27h20m00s	5m		
17	72179	彗星1972j	Kojima			1972	12	2	27h24m00s	27h29m00s	5m		
18	72204	彗星1972j				1972	12	11	25h18m00s	25h23m00s	5m		
19	72206	彗星1972j				1972	12	11	25h47m00s	25h53m00s	6m		
20	72207	彗星1972j				1972	12	12	23h33m00s	23h38m00s	5m		
21	72208	彗星1972j	Kojima			1972	12	12	23h51m00s	23h56m00s	5m		
22	72217	彗星1972j				1972	12	14	01h34m00s	01h37m30s	3.5m		
23	72218	彗星1972j				1972	12	15	26h20m00s	26h25m00s	5m		
24	72219	彗星1972j				1972	12	15	26h54m00s	26h59m00s	5m		
25	72224	彗星1972j				1972	12	26	22h42m00s	22h47m00s	5m		
26	72225	彗星1972j				1972	12	26	23h25m00s	23h30m00s	5m		
27	72232	彗星1972j				1972	12	30	24h46m00s	24h51m00s	5m		
28	72238	彗星1972j				1972	12	31	20h30m00s	20h40m00s	10m		
29	72239	彗星1972j				1972	12	31	21h30m00s	21h38m00s	8m		
30	73001	彗星1972j				1973	1	2	22h31m00s	22h36m00s	5m		
31	73002	彗星1972j				1973	1	2	22h41m00s	22h51m00s	10m		
32	73003	彗星1972j				1973	1	3	23h04m00s	23h14m00s	10m		
33	73004	彗星1972j				1973	1	3	23h22m00s	23h30m00s	8m		
34	73005	彗星1972j				1973	1	4	20h11m00s	20h21m00s	10m		
35	73006	彗星1972j				1973	1	4	20h56m00s	21h06m00s	10m		
36	73015	彗星1972j				1973	1	9	21h52m00s	22h02m00s	10m		
37	73024	彗星1972j				1973	1	11	20h33m00s	20h40m00s	7m		
38	73030	彗星1972j				1973	1	12	19h31m00s	19h36m00s	5m		
39	73031	彗星1972j				1973	1	12	19h52m00s	19h57m00s	5m		
40	73039	G.K.Per				1973	1	19	22h20m00s	22h25m00s	5m		
41	73040	G.K.Per				1973	1	19	22h54m00s	23h00m00s	6m		
42	73041	G.K.Per				1973	1	19	23h10m00s	23h13m00s	3m		
43	73043	彗星1972j				1973	1	20	19h12m00s	19h18m00s	6m		
44	73044	G.K.Per				1973	1	20	20h12m00s	20h20m00s	8m		
45	73045	彗星1972j				1973	1	25	21h31m00s	21h39m00s	8m		
46	73046	彗星1972j				1973	1	25	21h58m00s	23h05m00s	7m		
47	73047	G.K.Per				1973	1	25	22h30m30s	22h38m30s	8m		
48	73050	彗星1973a	Heck-Sause			1973	1	25	25h03m00s	25h10m00s	7m		
49	73051	彗星1973a	Heck-Sause			1973	1	25	25h28m00s	25h35m00s	7m		
50	73053	彗星1972j				1973	1	27	21h15m00s	21h21m00s	6m		
51	73054	彗星1972j				1973	1	27	21h54m00s	22h00m00s	6m		
52	73055	G.K.Per				1973	1	27	22h08m00s	22h15m00s	7m		
53	73059	彗星1973a	Heck-Sause			1973	1	27	24h53m00s	25h00m00s	7m		
54	73060	彗星1973a	Heck-Sause			1973	1	27	25h03m00s	25h10m00s	7m		
55	73061	彗星1972j				1973	1	28	19h46m00s	19h51m00s	5m		
56	73062	彗星1972j				1973	1	28	20h15m00s	20h22m00s	7m		
57	73070	彗星1972j				1973	2	2	19h33m00s	19h40m00s	7m		
58	73071	彗星1972j				1973	2	2	19h59m00s	20h05m00s	6m		
59	73074	彗星1972j				1973	2	11	19h23m00s	19h30m00s	7m		
60	73075	彗星1972j				1973	2	12	19h22m00s	19h29m00s	7m		
61	73076	彗星1972j				1973	2	12	20h05m00s	20h10m00s	5m		
62	73080	彗星1972j				1973	2	21	19h11m30s	19h18m30s	7m		
63	73081	彗星1972j				1973	2	21	19h31m00s	19h39m00s	8m		
64	73083	彗星1972j				1973	2	26	18h58m00s	19h05m00s	7m		
65	73084	彗星1972j				1973	2	26	19h34m00s	19h50m00s	6m		
66	73087	彗星1973a				1973	3	2	23h20m30s	23h31m30s	11m		
67	73088	彗星1973a				1973	3	2	24h03m00s	24h08m00s	5m		
68	73091	彗星1973e				1973	3	2	26h25m00s	26h32m00s	7m		
69	73092	彗星1973e				1973	3	2	26h37m00s	26h45m00s		2.73681	
70	73094	彗星1973e				1973	3	2	27h05m30s	27h16m30s	11m	2.76764	
71	73095	彗星1972j				1973	3	3	19h34m00s	19h40m00s	6m		
72	73098	彗星1973a				1973	3	3	24h04m00s	24h10m00s	6m		
73	73101	彗星1973e				1973	3	6	26h18m00s	26h28m00s	10m		
74	73102	彗星1973e				1973	3	6	26h34m00s	26h45m00s	11m		
75	73103	彗星1973e				1973	3	6	26h48m00s	26h58m00s	10m		
76	73106	彗星1973e	Kohoutek			1973	3	7	25h55m00s	26h02m00s	7m		
77	73107	彗星1973e				1973	3	7	26h06m00s	26h11m00s	5m		
78	73108	彗星1973e				1973	3	7	26h1400s	26h20m00s	6m		
79	73109	彗星1973e				1973	3	7	26h35m00s	26h41m00s	6m		
80	73114	彗星1973e	Kohoutek			1973	3	10	24h17m00s	24h22m00s	5m		
81	73115	彗星1973e				1973	3	10	24h27m30s	24h32m30s	5m		
82	73116	彗星1973a				1973	3	10	24h40m00s	24h44m00s	4m		
83	73117	彗星1973a				1973	3	10	24h48m00s	24h53m00s	5m		
84	73118	彗星1973e				1973	3	10	25h35m00s	25h43m00s	8m		
85	73119	彗星1973e				1973	3	10	25h45m00s	25h50m00s	5m		
86	73123	彗星1973e				1973	3	22	20h14m00s	20h24m00s	10m		
87	73124	彗星1973e				1973	3	22	20h35m30s	20h45m30s	10m		
88	73126	Kowal				1973	3	22	21h13m00s	21h19m00s	6m		
89									21h25m00	21h31m00s	6m		
90	73129	彗星1973f				1973	4	1	20h21m00s	20h35m00s	14m		
91	73132	彗星1973f				1973	4	2	20h54m00s	21h09m00s	15m		
92	73134	彗星1973e				1973	4	2	21h34m00s	21h45m00s	11m		
93	73135	彗星1973e				1973	4	2	22h00m00s	22h10m00s	10m		
94	73163	彗星Huchura				1973	5	11	22h08m00s	22h14m00s	6m		

No.	KJ No.	Object	α	δ	年	月	日	begin	end	EXP	UT	Note
95	73164	彗星Huchura			1973	5	11	22h40m00s	22h46m00s	6m		
96	74020	Tsuchiya			1974	5	24			10m	24.5333	2cmに絞る
97	75024	彗星Kohoutek	2h48.1m	16° 11'	1975	2	28	19h09m00s	19h20m00s	11m	28.42674	
98	75025	彗星Kohoutek			1975	2	28	19h31m00s	19h38m00s	7m	28.44063	
99	75071	彗星1975h	Kobayashi-Berger-Milon		1975	7	8	25h13m00s	25h18m00s	5m	8.67743	
100	75128	彗星1975j			1975	10	8				8.79583	
101	75129	彗星1975j			1975	10	8				8.79792	
102	75131	彗星1975j			1975	10	9				9.79097	
103	75132	彗星1975j			1975	10	9				9.81389	

表 1

これらの乾板をスキャナーで取り込み、撮影年月日順に並べ替え箱詰めにしたものが写真2である。



写真 2

使用したスキャナーは EPSON GTX-970 を使った。フィルムエリアガイドを用い、ポジフィルムとして 24bit カラー、解像度 600dpi で取り込んだ。

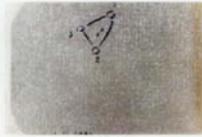
スキャナーで取り込んだ 103 枚のサムネイルを載せておく。



71928-2



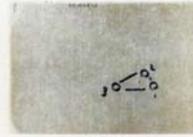
71928-5



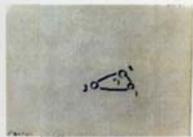
72125



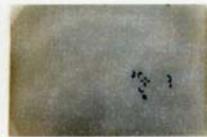
72132



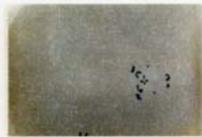
72133



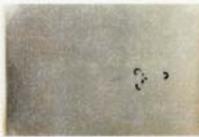
72134



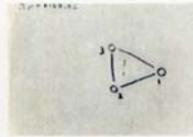
72161



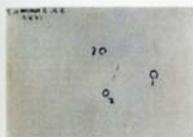
72162



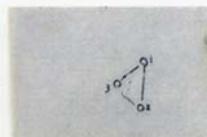
72163



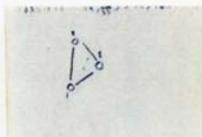
72165



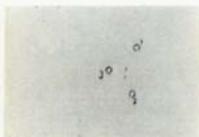
72166



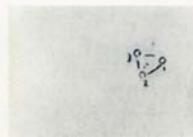
72169



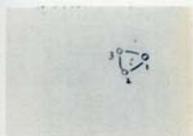
72170



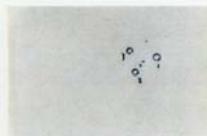
72174



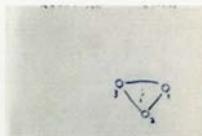
72175



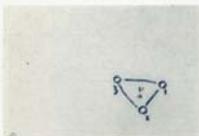
72178



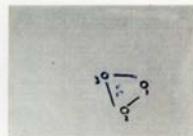
72179



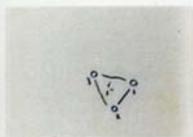
72204



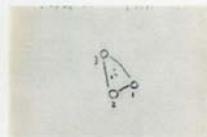
72206



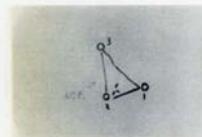
72207



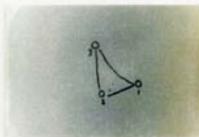
72208



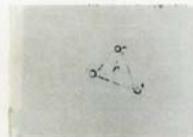
72217



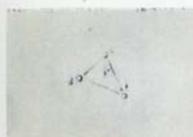
72218



72219



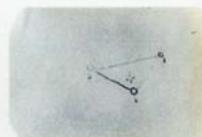
72224



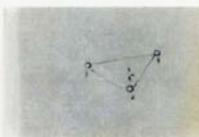
72225



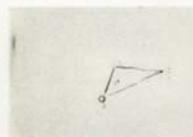
72232



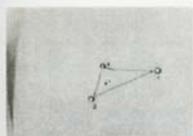
72238



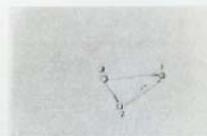
72239



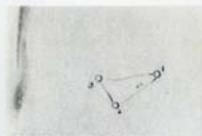
73001



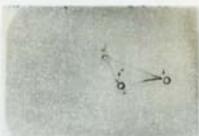
73002



73003



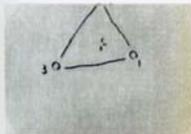
73004



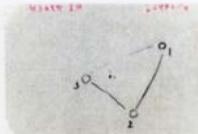
73005



73006



73015



73024



73030



73031



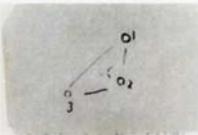
73039



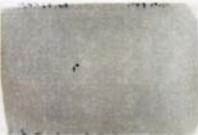
73040



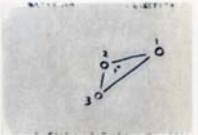
73041



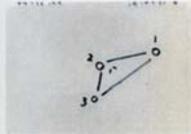
73043



73044



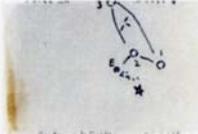
73045



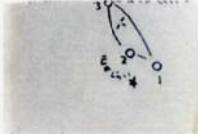
73046



73047



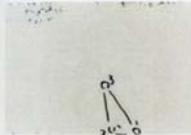
73050



73051



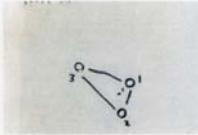
73053



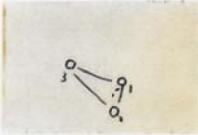
73054



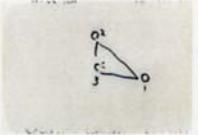
73055



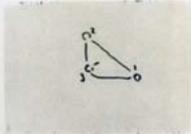
73059



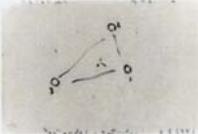
73060



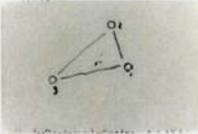
73061



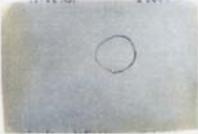
73062



73070



73071



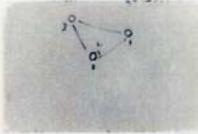
73074



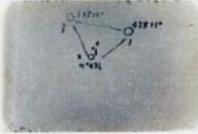
73075



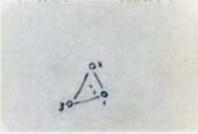
73076



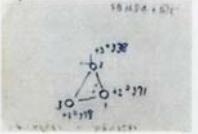
73080



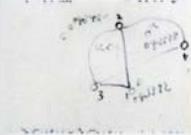
73081



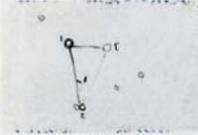
73083



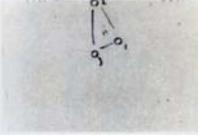
73084



73087



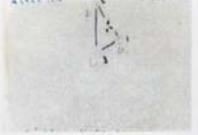
73088



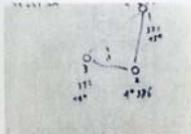
73091



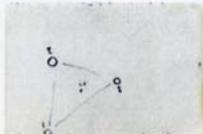
73092



73094



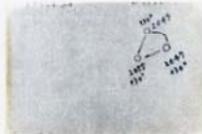
73095



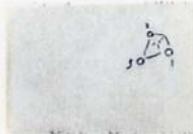
73098



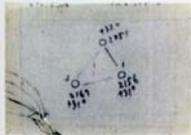
73101



73102



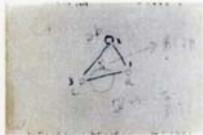
73103



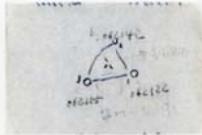
73106



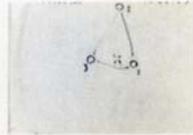
73107



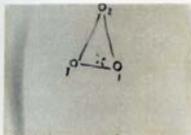
73108



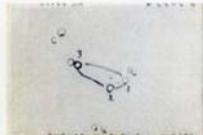
73109



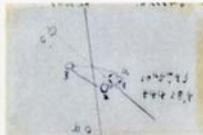
73114



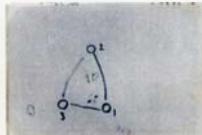
73115



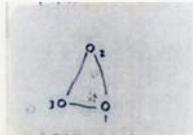
73116



73117



73118



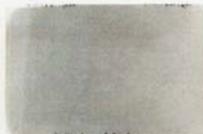
73119



73123



73124



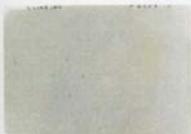
73126



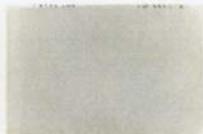
73129



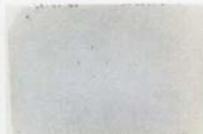
73132



73134



73135



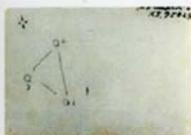
73163



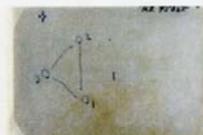
73164



74020



75024



75025



75071



75128



75129



75131



75132

代表的な例として 1975 年 7 月 8 日に撮影された KJ75071 の彗星 Kobayashi-Berger-Milon の乾板が写真 3 である。

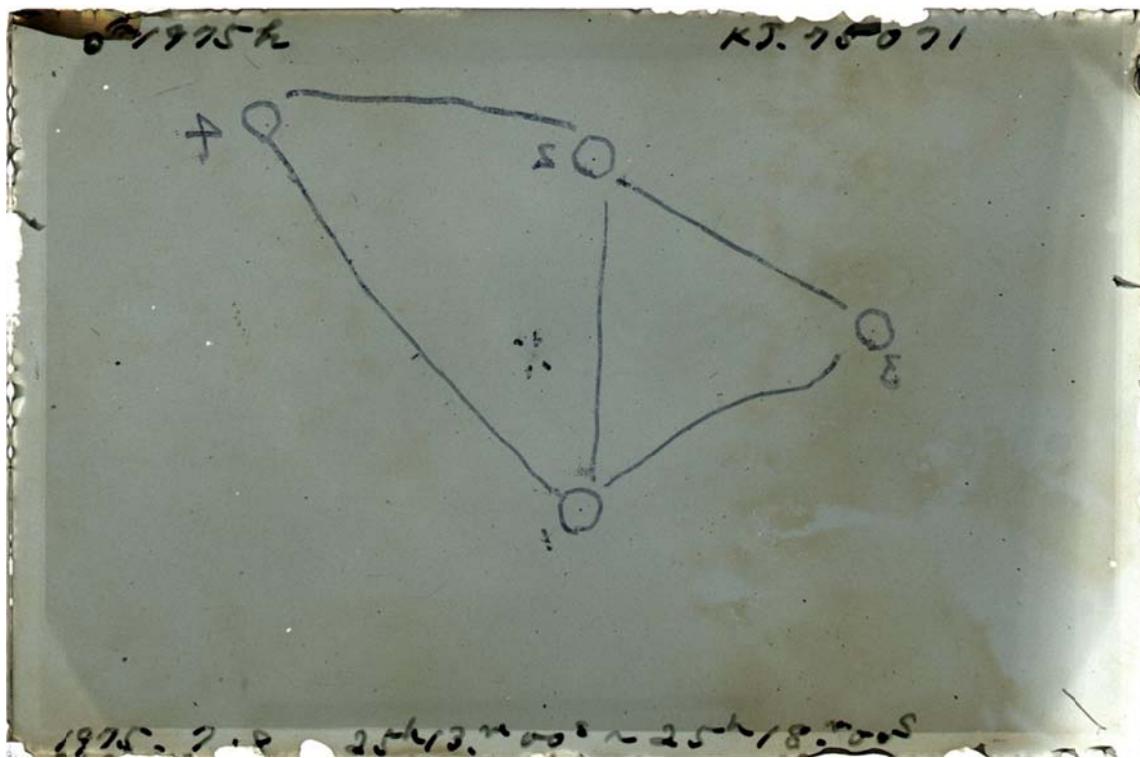


写真 3 彗星 1975h Kobayashi-Berger-Milon

サムネイルでは、詳細が分からないので、彗星を同定した様子がわかる写真 3 枚を紹介する。写真 4 は New Comet とされたもの、写真 5 は彗星 Kojima の例、写真 6 は KJ72174 の彗星 Kojima の例である。

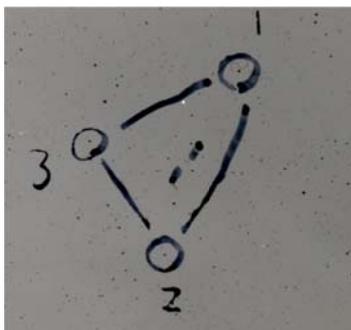


写真 4 New Comet



写真 5 彗星 Kojima

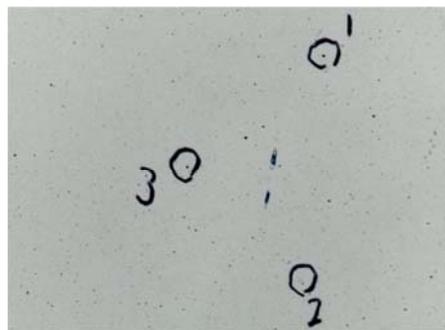
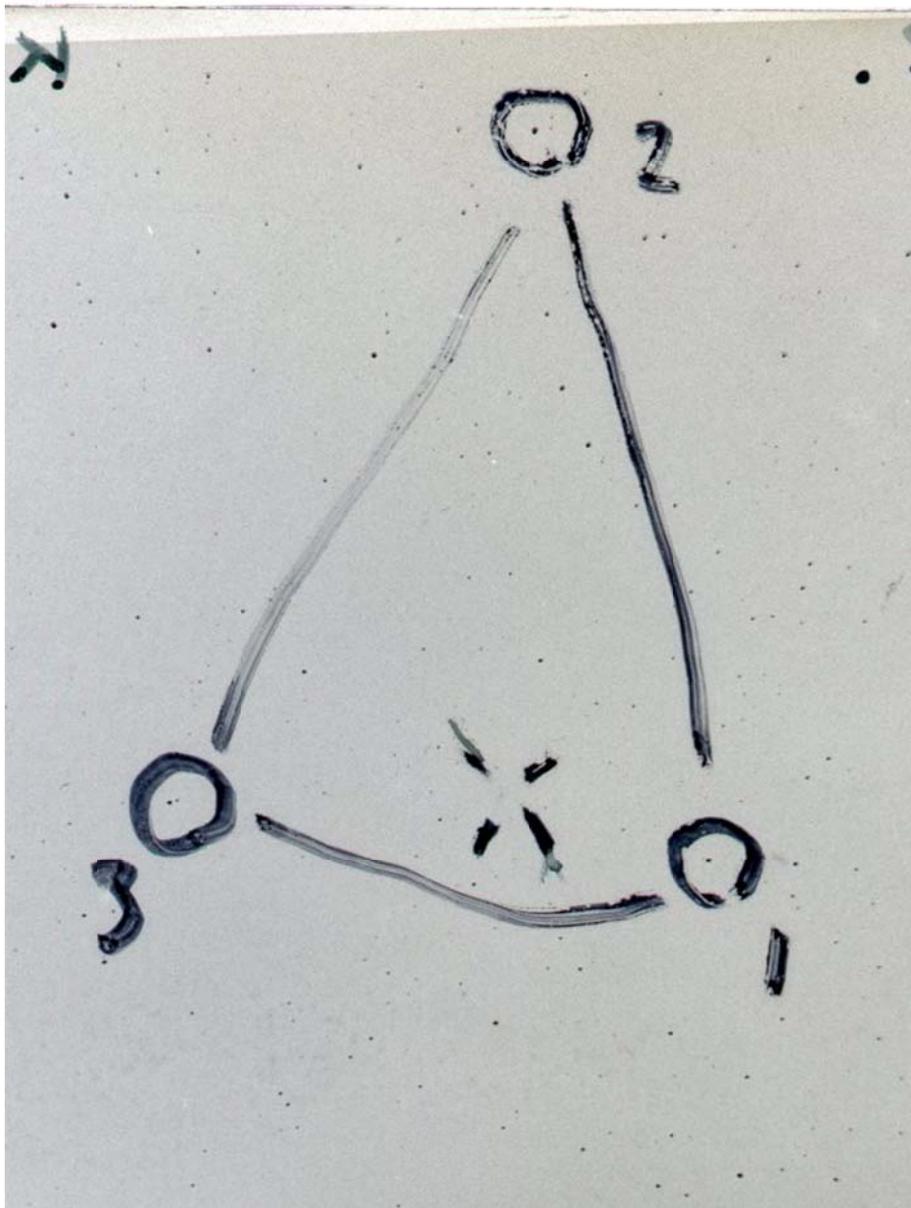


写真 6 彗星 Kojima KJ72174

彗星の中には Kohoutek もある。その例が写真 7 である。



KJ73114 彗星 Kohoutek

これらアーカイブ室新聞の記事にお気づきのことがあれば、編集者中桐にご連絡いただければ幸いです。中桐のメールアドレスは、arcnaoj@pub.mtk.nao.ac.jp