P/ Dubiago 1921 I

The following prediction, by S. Nakano, is from an orbit in the Catalogue of Cometary Orbits 1979. The uncertainty in T is ± 1.4 years.

T =	1982 Aug. 9.8108 ET		Epoch =	1982 Aug. 19.0 ET	
ω =	97°.3879		e =	0.928713	
Ω =	66.5799	1950.0	a =	15.508	AU
i =	22.3617				
q =	1.105481 AU		P =	61.1 years	

The following search ephemerides are as follows: For each entry the successive lines give the right ascension, the declination, the total magnitude and elongation. The magnitudes are from $m_1 = 10.5 + 5 \log \Delta + 10 \log r$.

t-T(days)	-80	-70	-60	-50	-40	-30	-20	-10
r(AU)	1.64	1.54	1.44	1.35	1.27	1.20	1.15	1.12
Sept.15	8^h17^m +27°.6 14 52°	8^h41^m +27°.4 14 47°	9^h05^m +26°.8 14 41°					
Oct. 15	8 51 +27.9 14 74	9 21 +27.1 13 67	9 51 +25.8 13 60	10^h20^m +24°.1 13 54°	10^h49^m +21°.9 13 47°	11^h16^m +19°.3 12 41°		
Nov. 15	8 58 +32.5 13 104	9 44 +30.9 13 94	10 27 +28.4 12 84	11 06 +25.1 12 75	11 41 +21.4 12 66	12 12 +17.6 12 58	12^h39^m +13°.6 12 50°	13^h04^m + 9°.8 12 43°
Dec. 15	7 18 +45.2 12 148	8 46 +46.4 12 134	10 17 +43.1 11 118	11 32 +36.4 11 103	12 26 +28.5 11 89	13 07 +21.1 11 77	13 37 +14.7 11 68	14 02 + 9.1 11 59
Jan. 15	3 45 +39.4 12 126	4 08 +47.5 12 130	4 55 +58.9 11 132	7 19 +71.8 10 129	12 15 +66.6 10 118	14 02 +46.2 10 102	14 43 +28.9 10 88	15 08 +16.7 10 78
Feb. 15	3 11 +30.2 13 88	3 16 +34.1 13 90	3 21 +39.1 12 93	3 26 +45.9 11 95	3 30 +55.9 11 98	3 22 +71.4 10 100	17 47 +83.8 9 100	16 30 +54.7 9 95
Mar. 15	3 32 +28.2 14 64	3 39 +30.8 13 66	3 46 +33.8 13 69	3 53 +37.4 12 71	4 01 +42.0 12 74	4 10 +48.2 11 78	4 19 +56.9 10 82	4 26 +70.3 10 87
Apr. 15	4 13 +28.4 14 43	4 22 +30.3 14 45	4 33 +32.4 14 48	4 44 +34.7 13 51	4 58 +37.4 13 54	5 14 +40.5 12 58	5 34 +44.2 12 63	5 59 +48.7 11 68
May 15						6 17 +37.0 13 42	6 40 +38.7 12 47	7 07 +40.3 12 52

1979 March 10 S. Nakano