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V 362 Her

V 362 Her = SVS 1248 was discovered in 1958 by Tsesevich (Astr. Circ. 195, 18, 21). He gave the following elements (contained in GCVS Index 1, 1960):

Max. = J.D. 2436344.489 + 0^d.61902 . E
 RRab; 13^m.2 - 14^m.2 ph

He published 9 maxima (ph) and magnitudes for comparison stars.

On 118 plates of the 40cm astrograph of Sonneberg Observatory I examined this variable star and found that the above mentioned elements are incorrect.

New elements: Max. = J.D. 2439098.447 + 0^d.718332 . E
 RRab; M - m = 0^p.20
 13^m.45 - 14^m.70 ph

Observed maxima:

J.D. 24...	E	O-C
38 501.509	- 831	-0 ^d .004
532.398	- 788	- 5
560.426	- 749	+ 10
817.558	- 391	- 21
940.423	- 220	+ 9
39 184.646	+ 120	- 1
238.535	+ 195	+ 13
40 039.452	+1310	- 10
067.462	+1349	- 15

The elements do not represent the observed maxima from Tsesevich. Particulars will be published in "Mitteilungen der Bruno-H.-Bürgel-Sternwarte Hartha" Heft 2.

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NP Her

NP Her = 482.1934 = P 4025 = DO 15453 (N) was discovered classified as a longperiodic variable by Morgenthau (AN 254, 371, 1934). GCVS 1958 contains the following elements:

$$\text{Max.} = \text{J.D. } 2427560 + 2200^{\text{d}}/n \quad (\text{Mira type})$$

On 125 plates (panchromatic) of the Sonneberg Sky Patrol (J.D. 2438083 - 2440068) the little known variable was examined and 5 maxima were observed. We obtained the elements:

$$\text{Max.} = \text{J.D. } 2436976 + 448^{\text{d}} \cdot E \quad (M - m = 0^{\text{p}}5)$$

Observed maxima:

J.D. 24...	E	O-C
38300	+ 3	- 20 ^d
38820	+ 4	+ 52
39238:	+ 5	+ 22
39643	+ 6	- 21
40080:	+ 7.	- 32

Further particulars will be published in "Mitteilungen der Bruno-H.-Bürgel-Sternwarte Hartha" Heft 2.

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