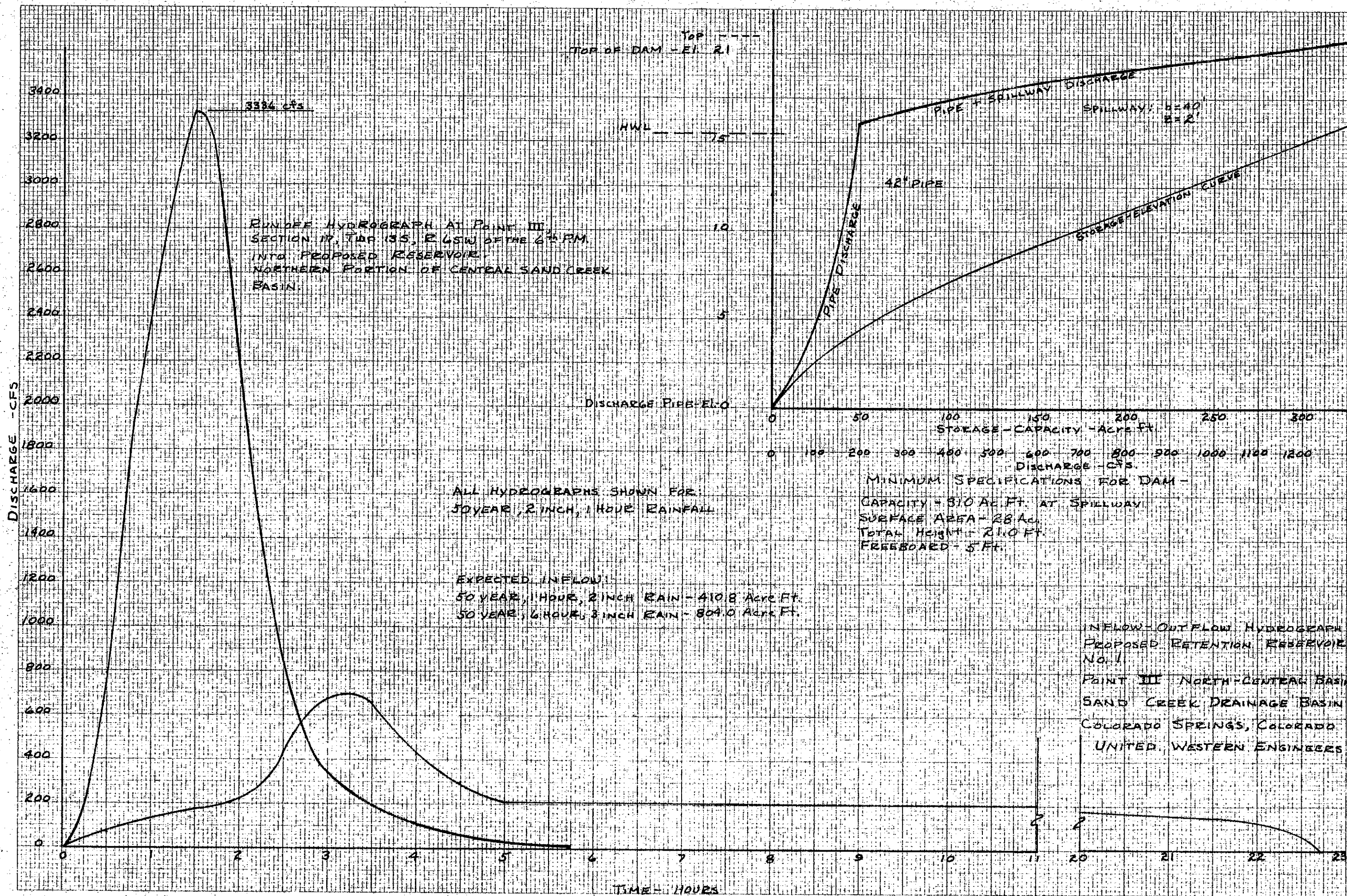
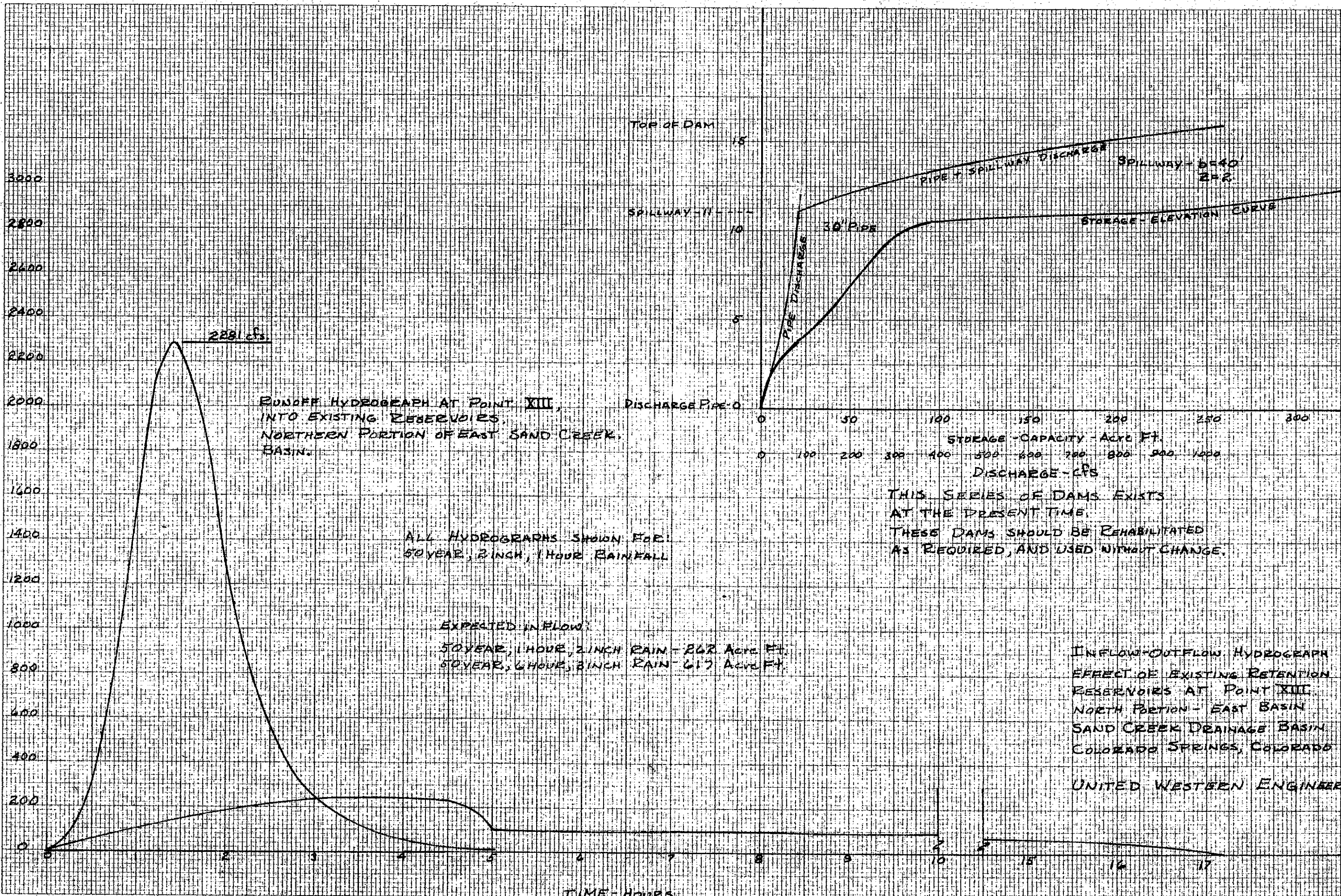


NY 11  
PRINTED IN U.S.A.

500  
10 DIVISIONS PER HALF INCH BOTH WAYS







RUNOFF HYDROGRAPH AT POINT XIII,  
 INTO EXISTING RESERVOIRS,  
 NORTHERN PORTION OF EAST SAND CREEK,  
 BASIN.

ALL HYDROGRAPHS SHOWN FOR:  
 50 YEAR, 2 INCH, 1 HOUR RAINFALL

EXPECTED INFLOW:

50 YEAR, 1 HOUR, 2 INCH RAIN - 262 ACRES FT.  
 50 YEAR, 6 HOUR, 2 INCH RAIN - 617 ACRES FT.

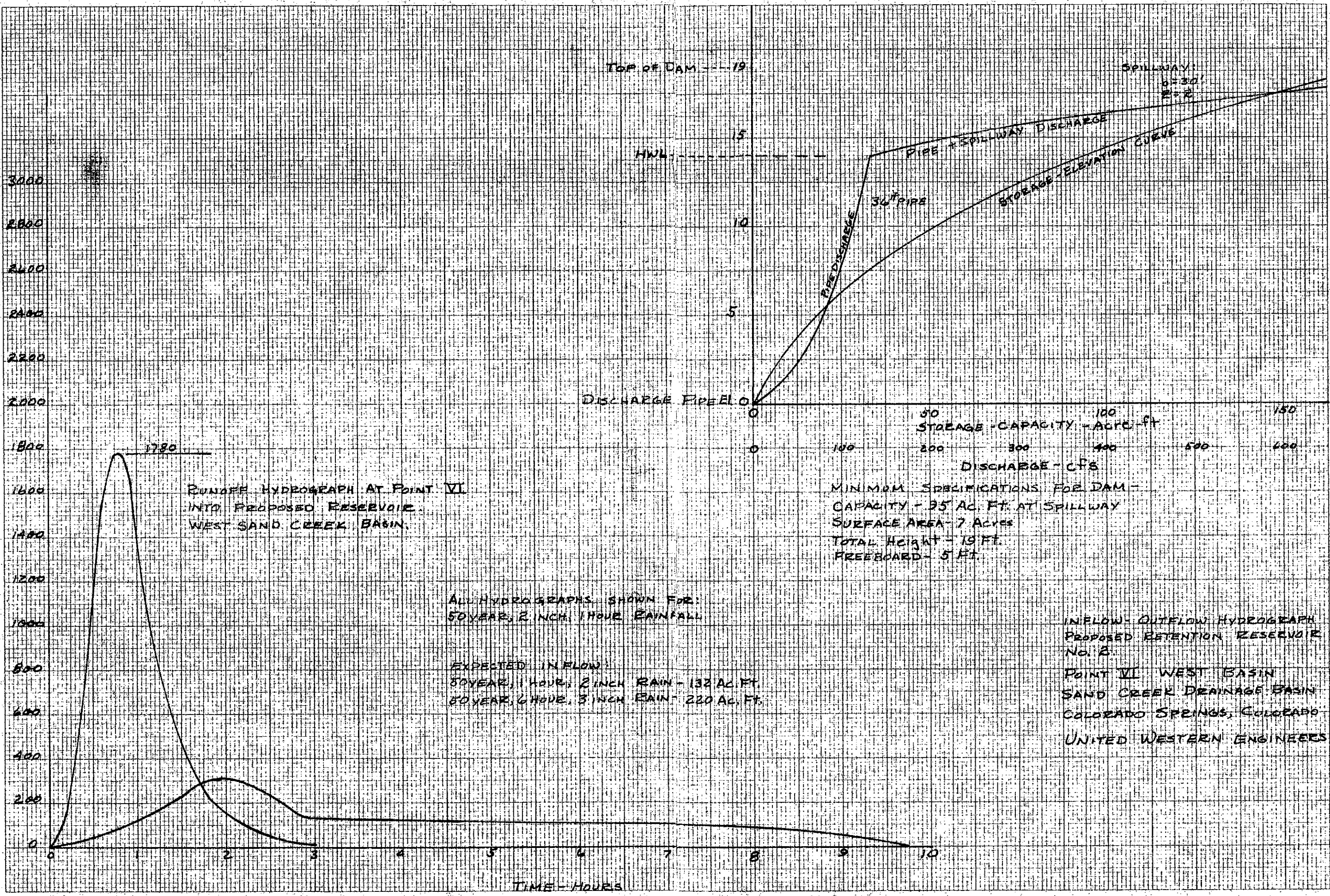
THIS SERIES OF DAMS EXISTS  
 AT THE PRESENT TIME.  
 THESE DAMS SHOULD BE REHABILITATED  
 AS REQUIRED, AND USED WITHOUT CHANGE.

INFLOW-OUTFLOW HYDROGRAPH  
 EFFECT OF EXISTING RETENTION  
 RESERVOIRS AT POINT XIII,  
 NORTH PORTION - EAST BASIN  
 SAND CREEK DRAINAGE BASIN  
 COLORADO SPRINGS, COLORADO

UNITED WESTERN ENGINEERS



500  
10 DIVISIONS PER HALF INCH BOTH WAYS  
ANY  
PRINTED IN U.S.A.



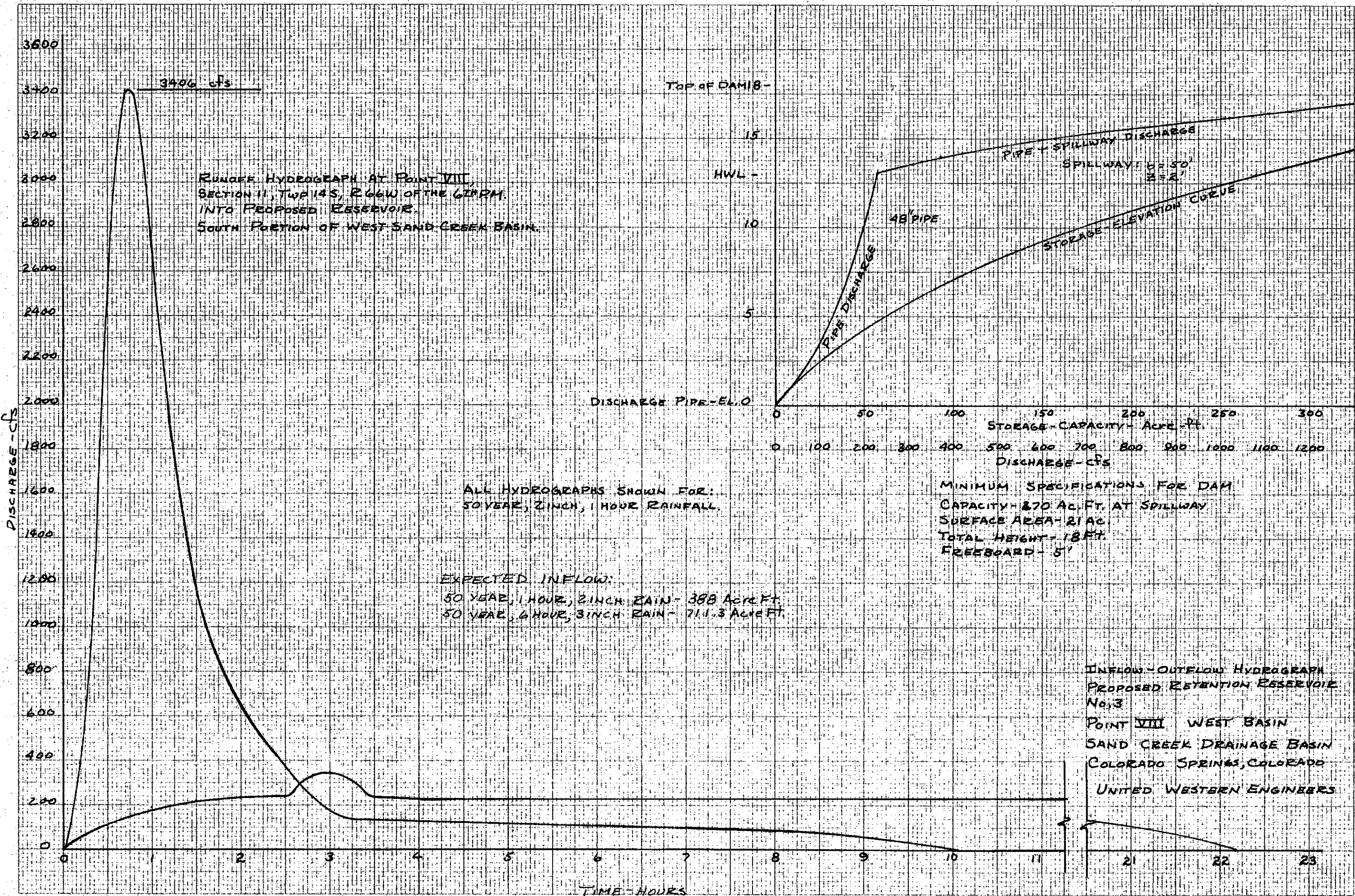
RUNOFF HYDROGRAPH AT POINT VI  
INTO PROPOSED RESERVOIR  
WEST SAND CREEK BASIN.

ALL HYDROGRAPHS SHOWN FOR:  
50 YEAR, 2 INCH, 1 HOUR RAINFALL

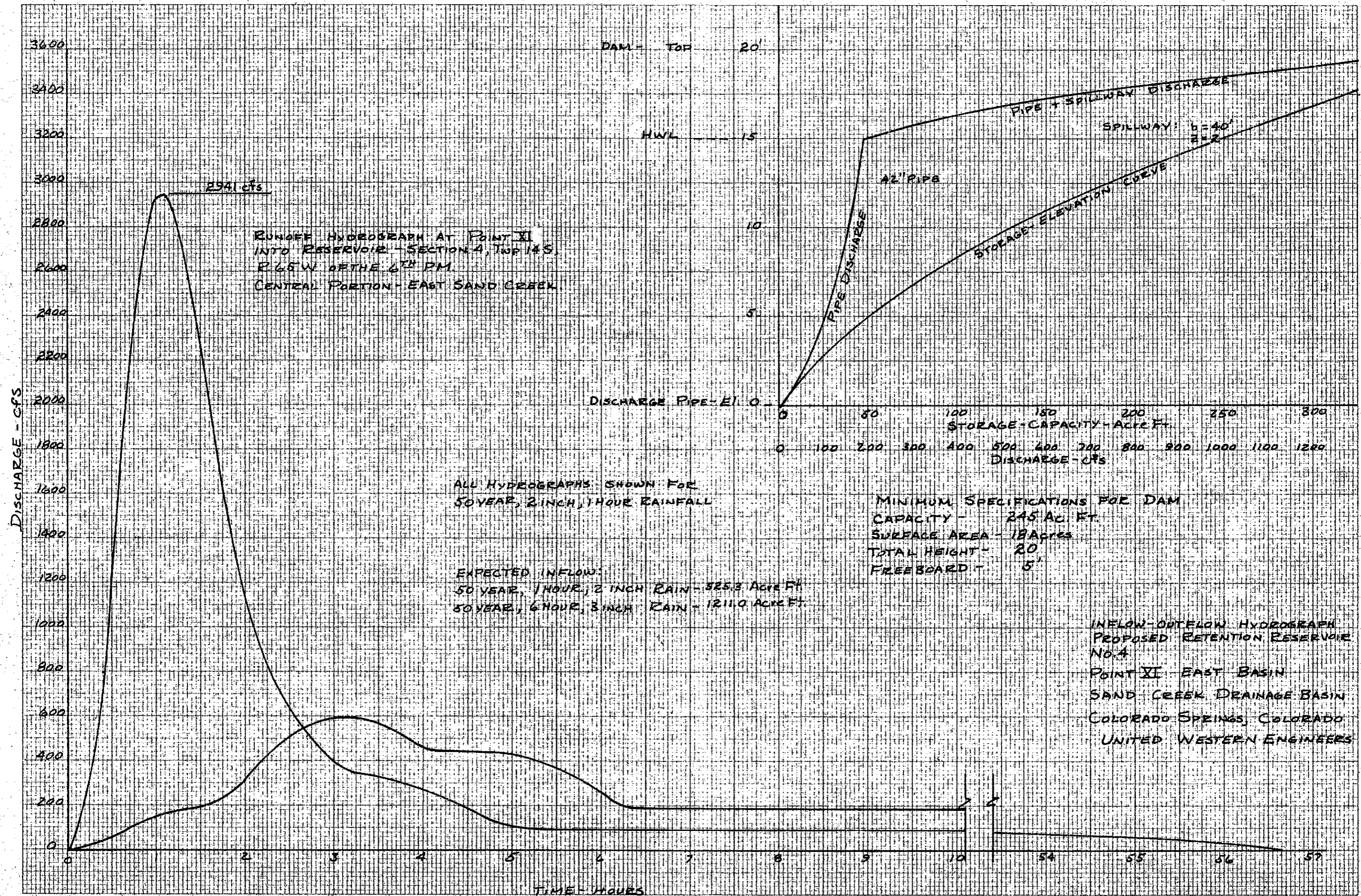
EXPECTED INFLOW:  
50 YEAR, 1 HOUR, 2 INCH RAIN - 132 AC FT.  
50 YEAR, 6 HOUR, 3 INCH RAIN - 220 AC FT.



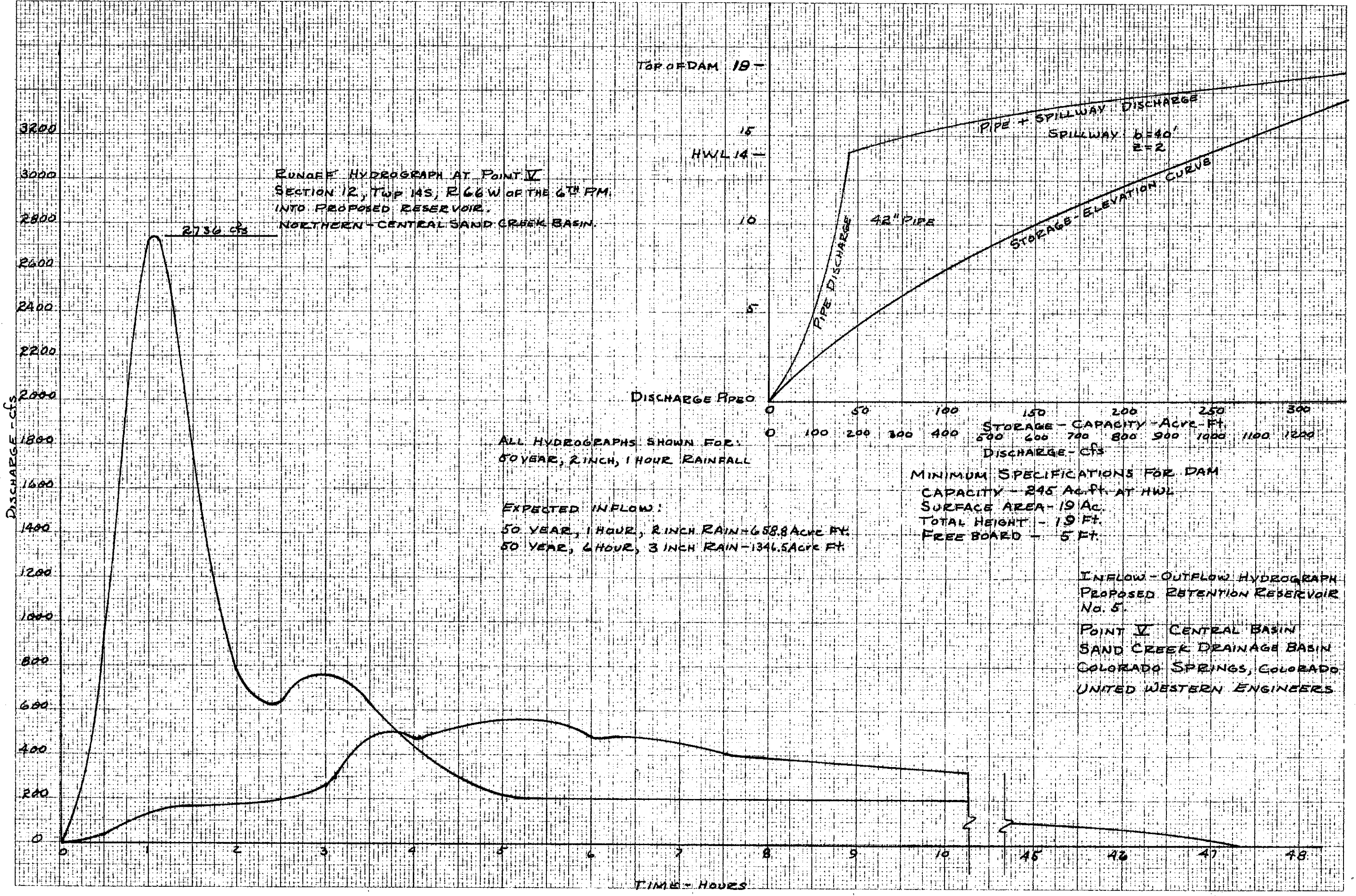
WAY, N.Y. 11  
 PRINTED IN U.S.A.  
 500.000  
 IN DIVISIONS PER HALF INCH BOTH WAY





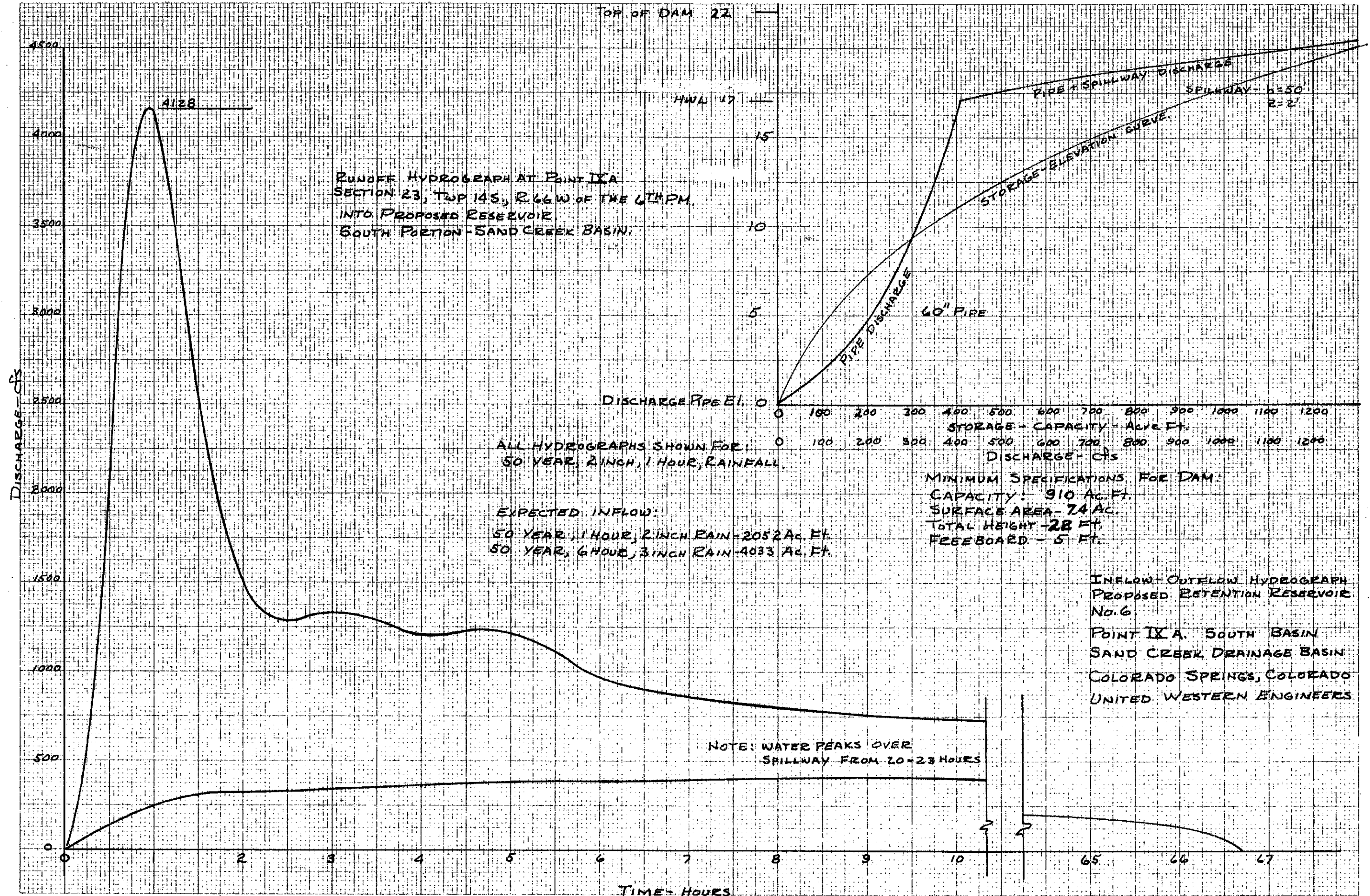


NO. 6592-20R  
 L. I. RIDGWAY COMPANY, INC.  
 1970





500 CANTON  
 10 DIVISIONS PER HALF INCH BOTH WAYS  
 PRINTED IN U.S.A.



RUNOFF HYDROGRAPH AT POINT IXA  
 SECTION 23, TWP 14S, R. 66W OF THE 6TH PM.  
 INTO PROPOSED RESERVOIR  
 SOUTH PORTION - SAND CREEK BASIN.

ALL HYDROGRAPHS SHOWN FOR:  
 50 YEAR, 2 INCH, 1 HOUR, RAINFALL.

EXPECTED INFLOW:  
 50 YEAR, 1 HOUR, 2 INCH RAIN - 2052 AC. FT.  
 50 YEAR, 6 HOUR, 3 INCH RAIN - 4033 AC. FT.

MINIMUM SPECIFICATIONS FOR DAM:  
 CAPACITY - 910 AC. FT.  
 SURFACE AREA - 74 AC.  
 TOTAL HEIGHT - 28 FT.  
 FREEBOARD - 5 FT.

INFLOW - OUTFLOW HYDROGRAPH  
 PROPOSED RETENTION RESERVOIR  
 No. 6  
 POINT IX A. SOUTH BASIN  
 SAND CREEK DRAINAGE BASIN  
 COLORADO SPRINGS, COLORADO  
 UNITED WESTERN ENGINEERS

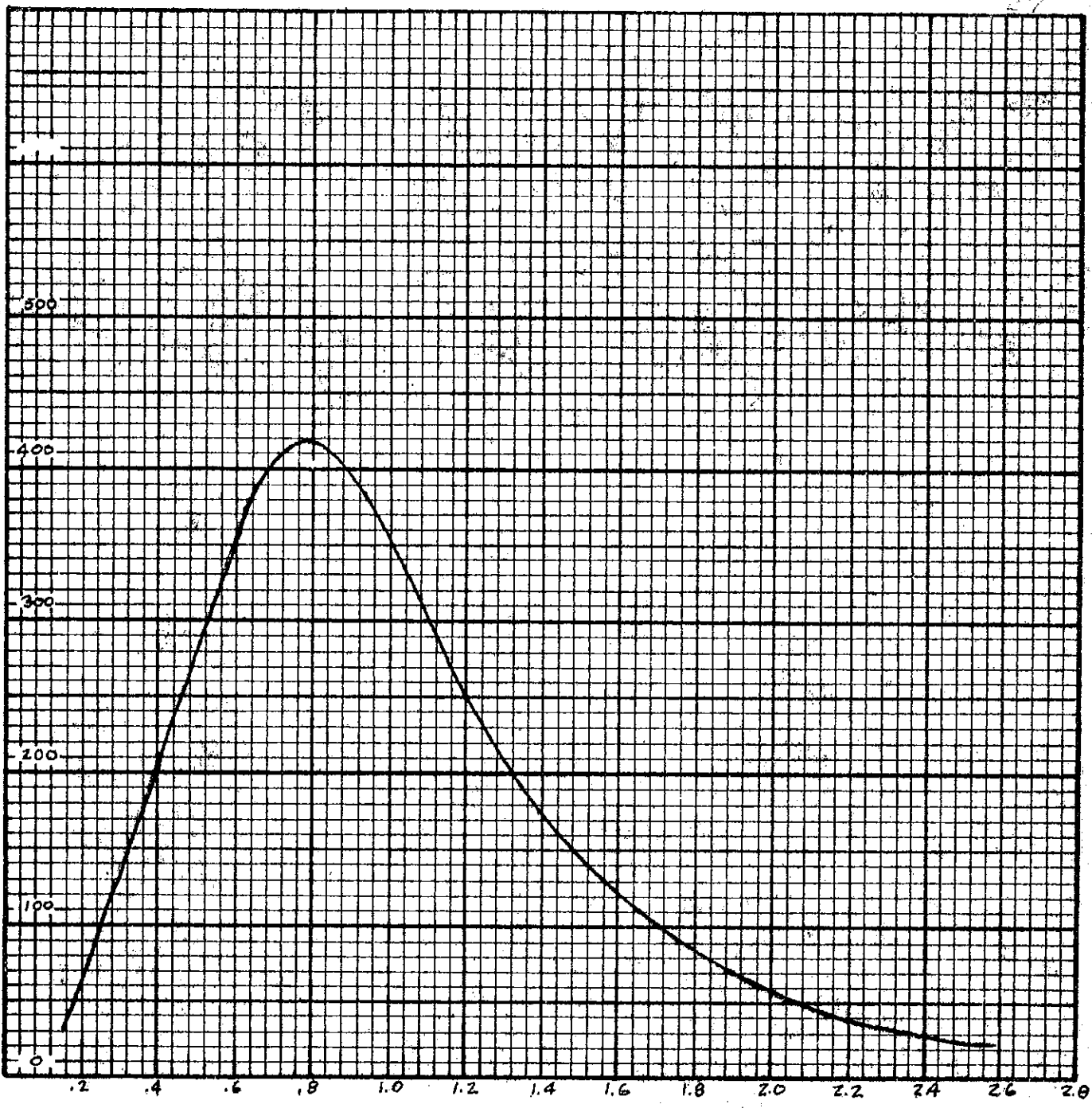
NOTE: WATER PEAKS OVER  
 SPILLWAY FROM 20-23 HOURS

## APPENDIX G:

The following hydrographs are for the individual sub-basins contained within the Sand Creek basin. They have been computed for the outfall point of each sub-basin.

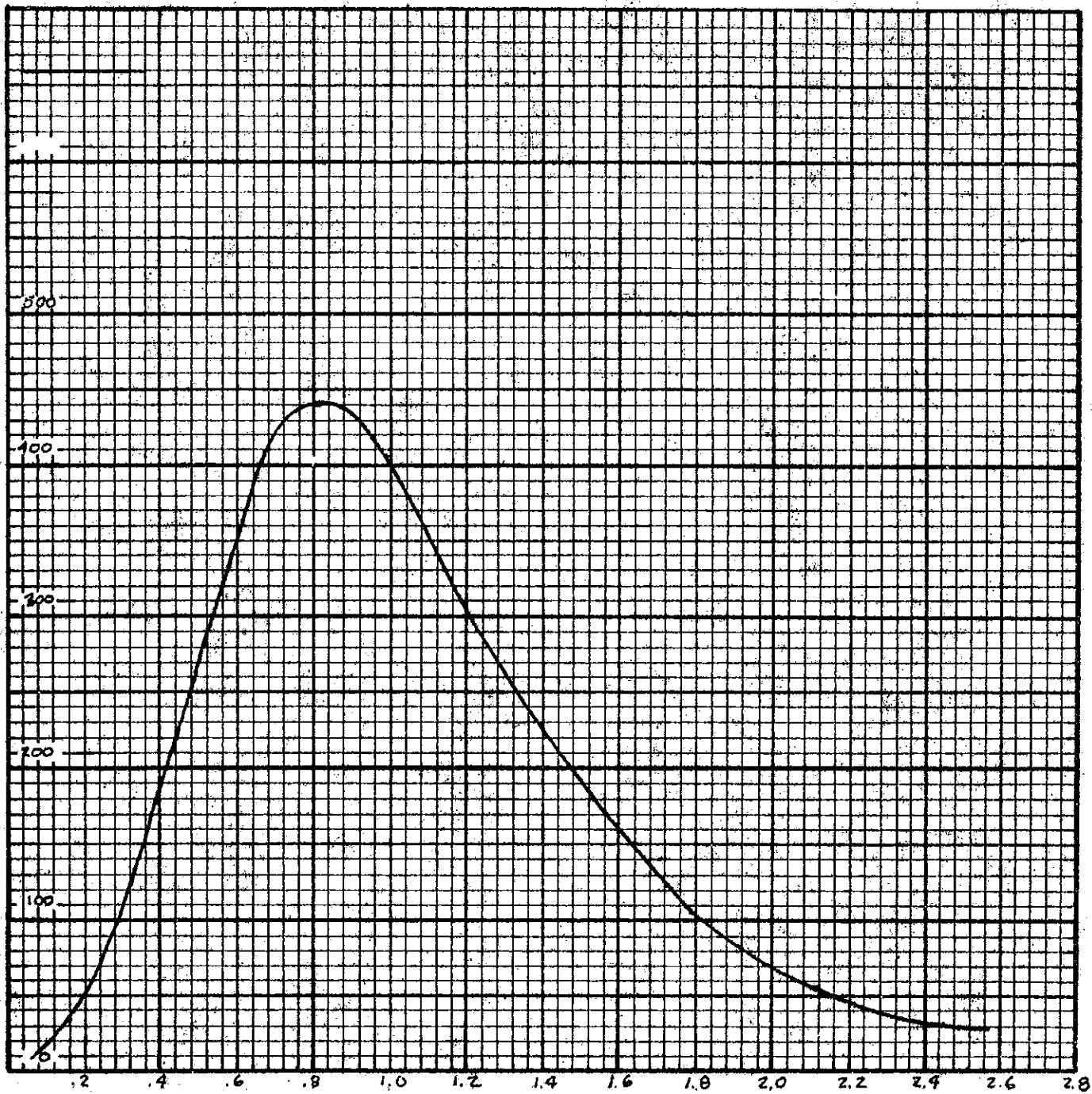
These are hydrographs based on the assumed rainfall-runoff pattern. For use in changing design data, unit values from these hydrographs must be multiplied by the ratio of the desired design runoff to the runoff assumed in this report.





MINOR BASIN NO. 127

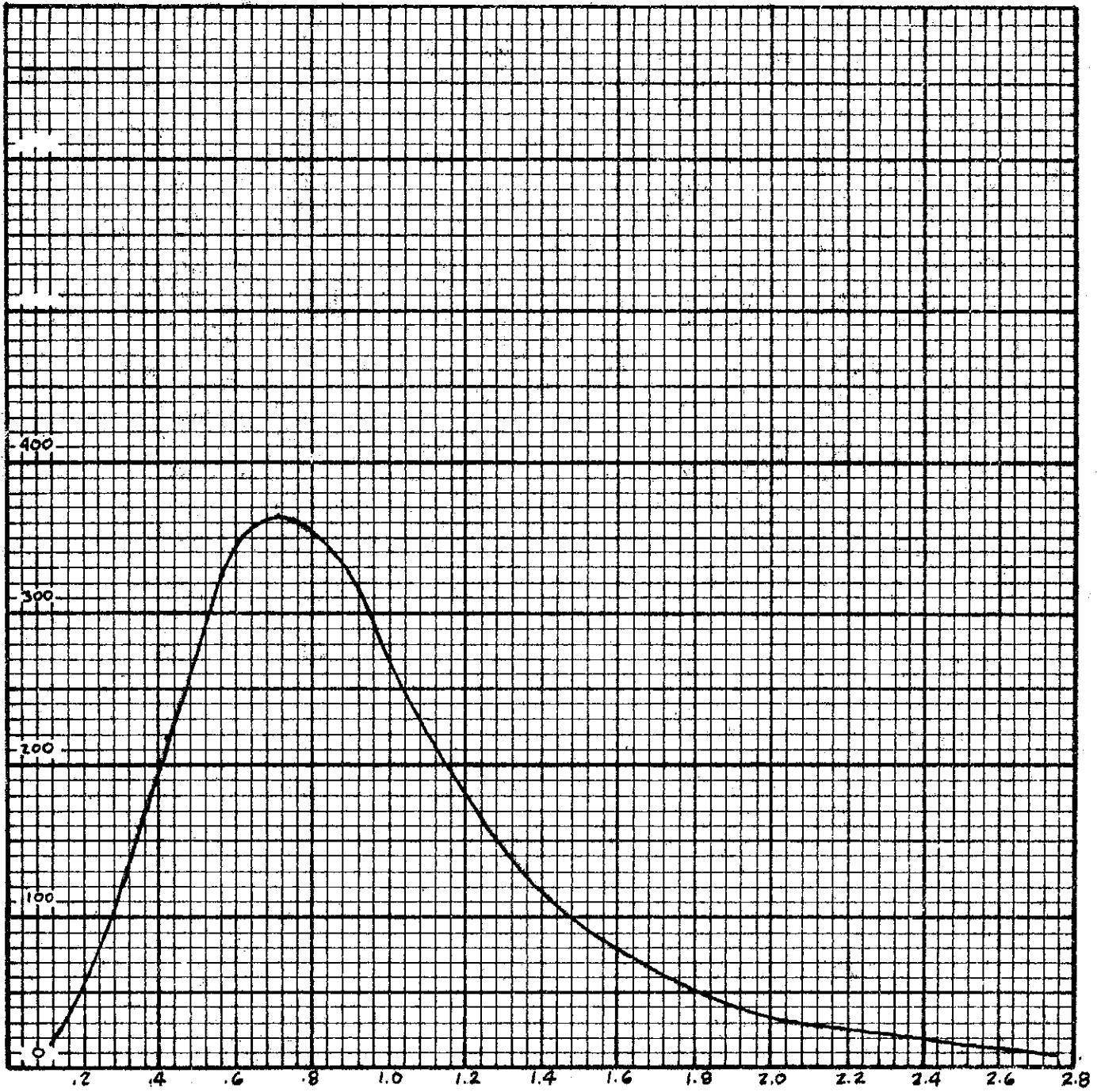
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO



MINOR BASIN NO. 128

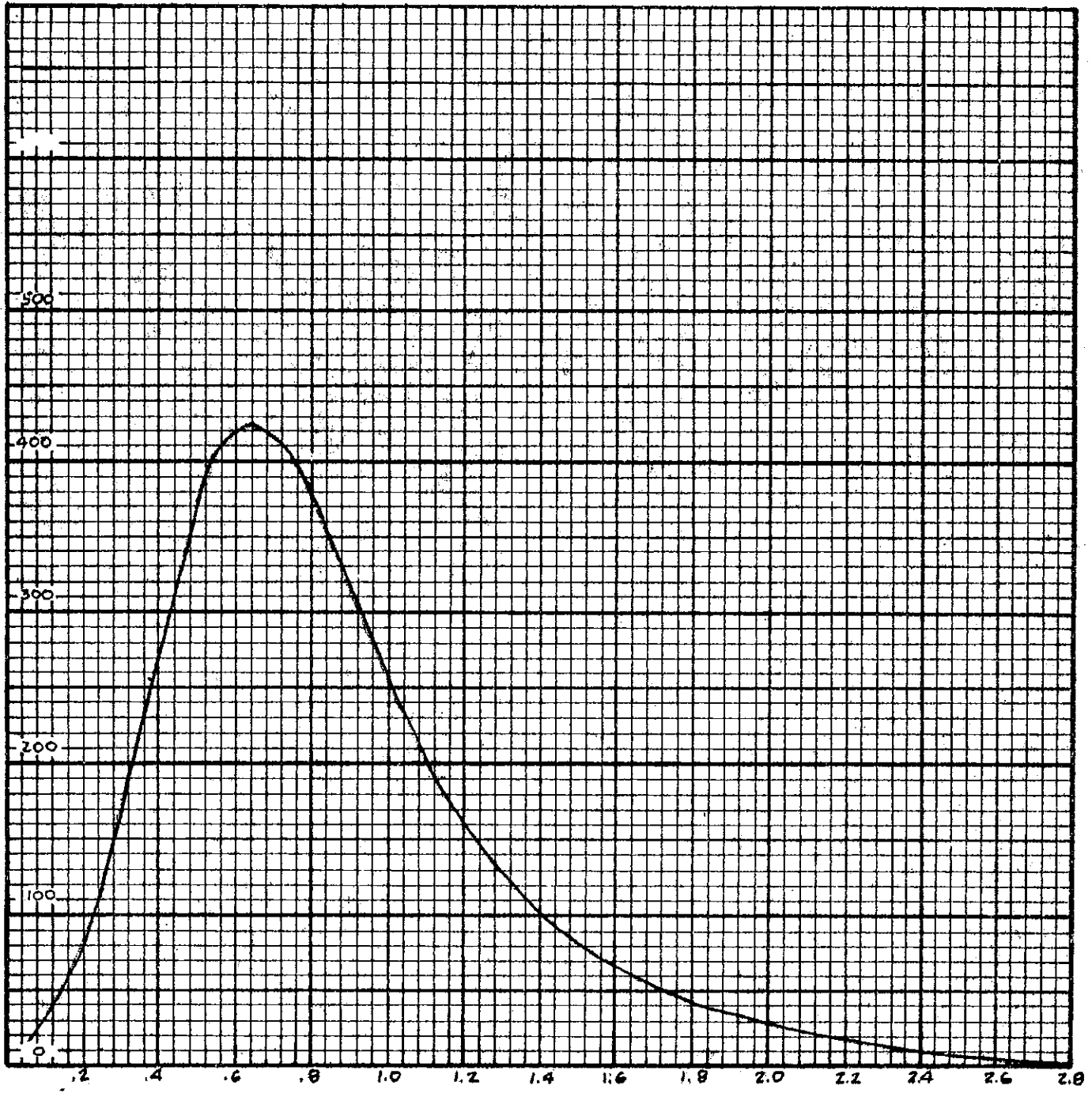
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO





MINOR BASIN NO. 130

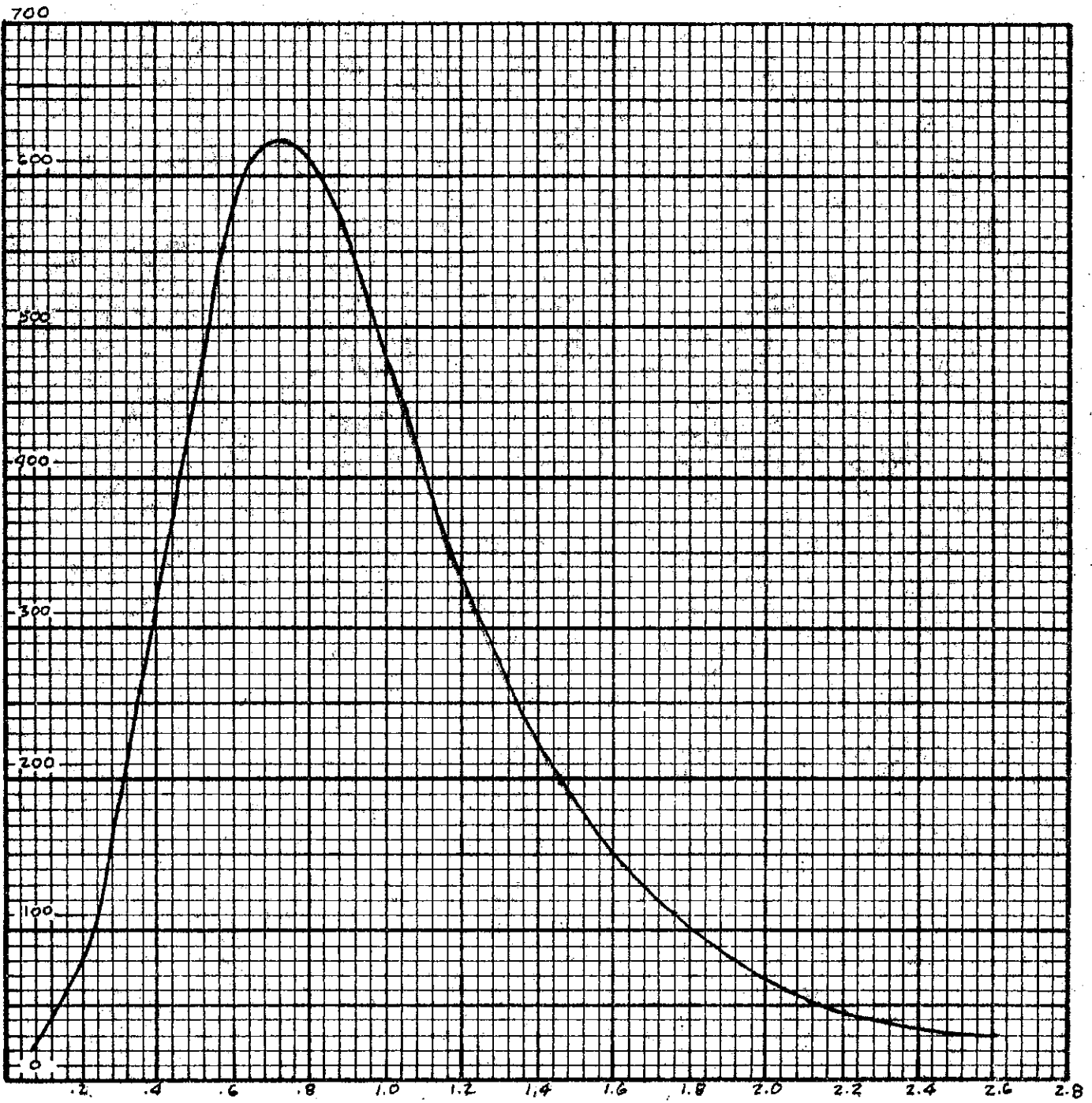
UNITED WESTERN ENGINEERS  
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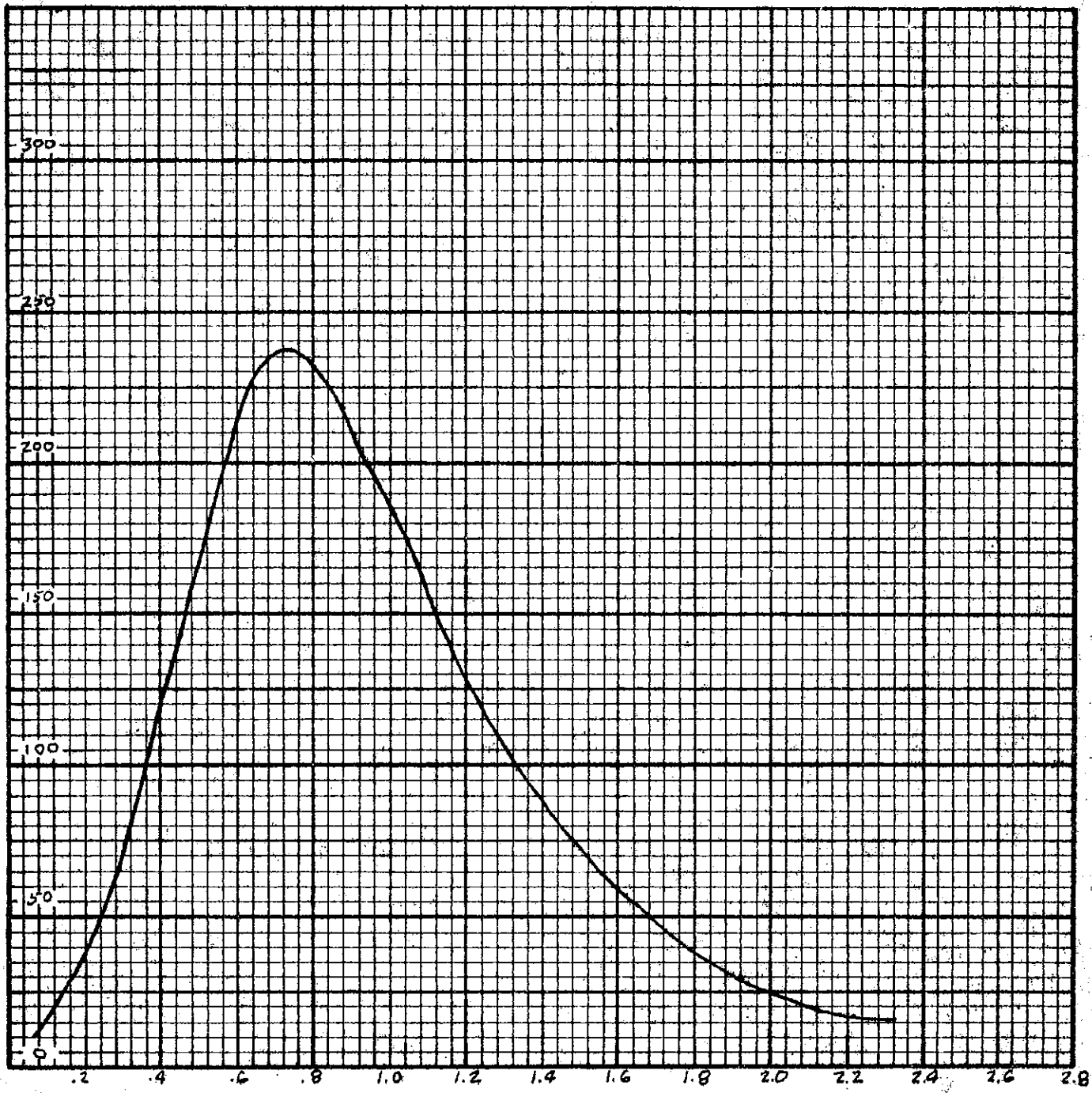
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO





MINOR BASIN NO. 137

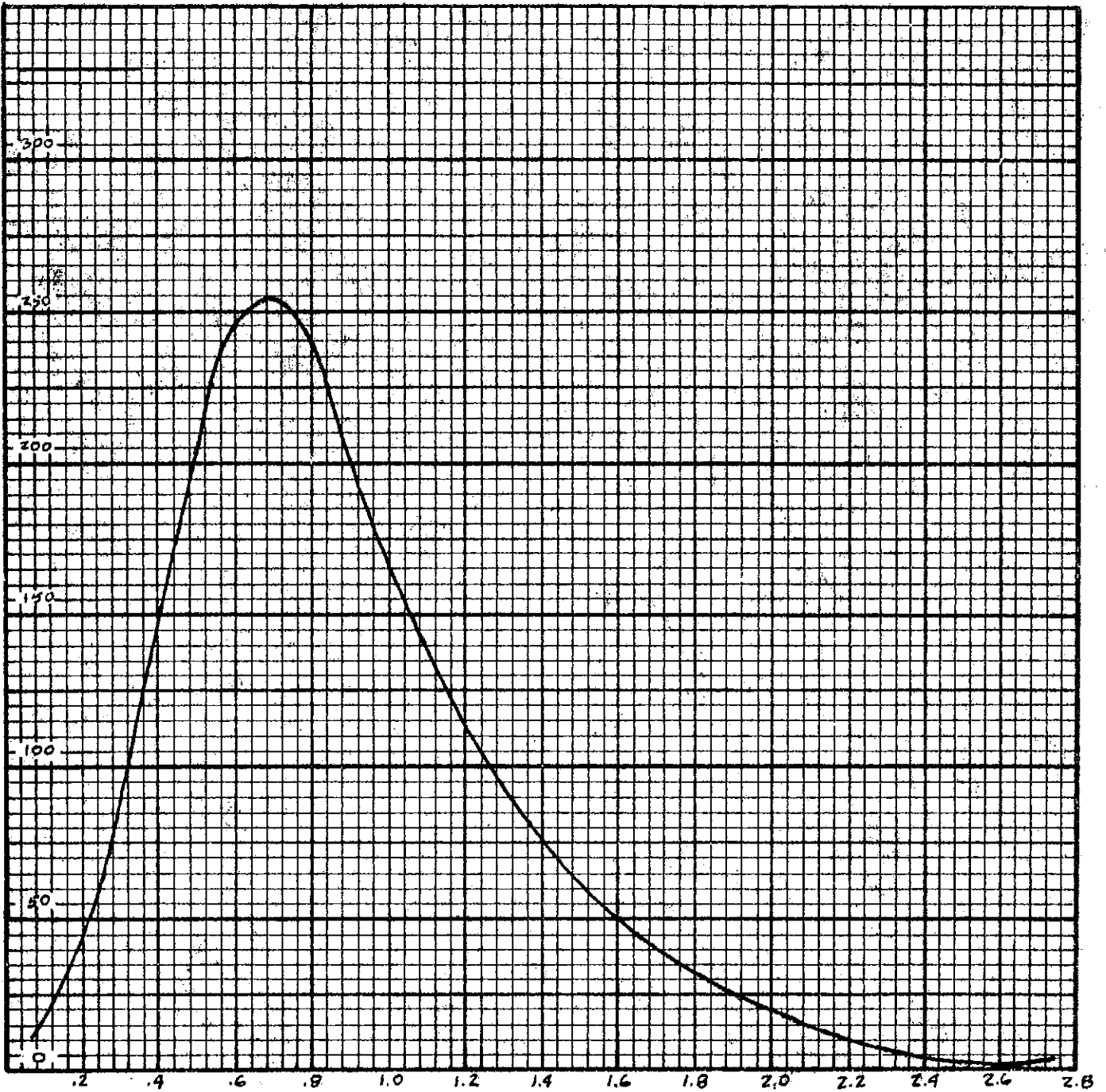
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO



MINOR BASIN NO. 138

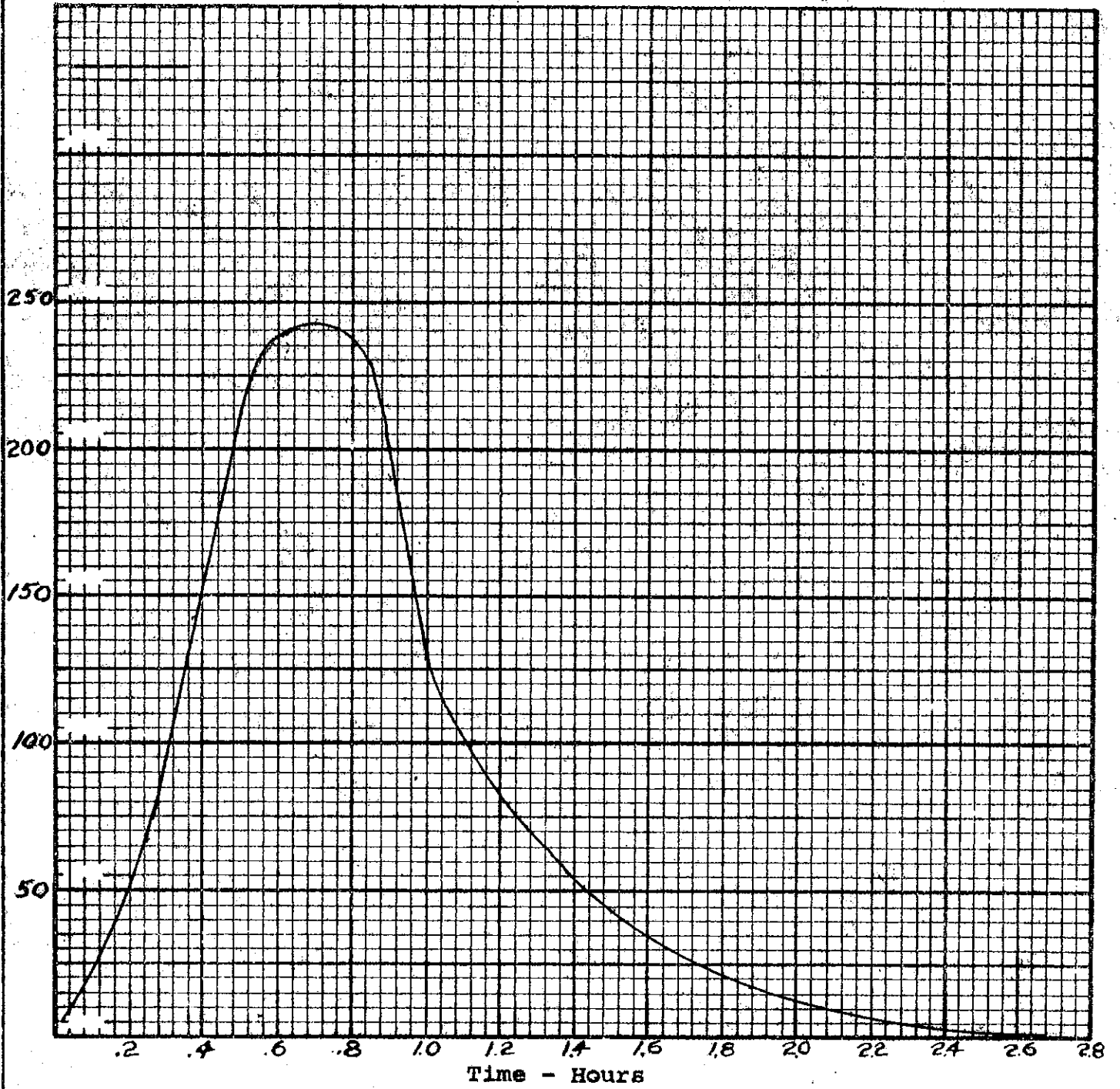
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO

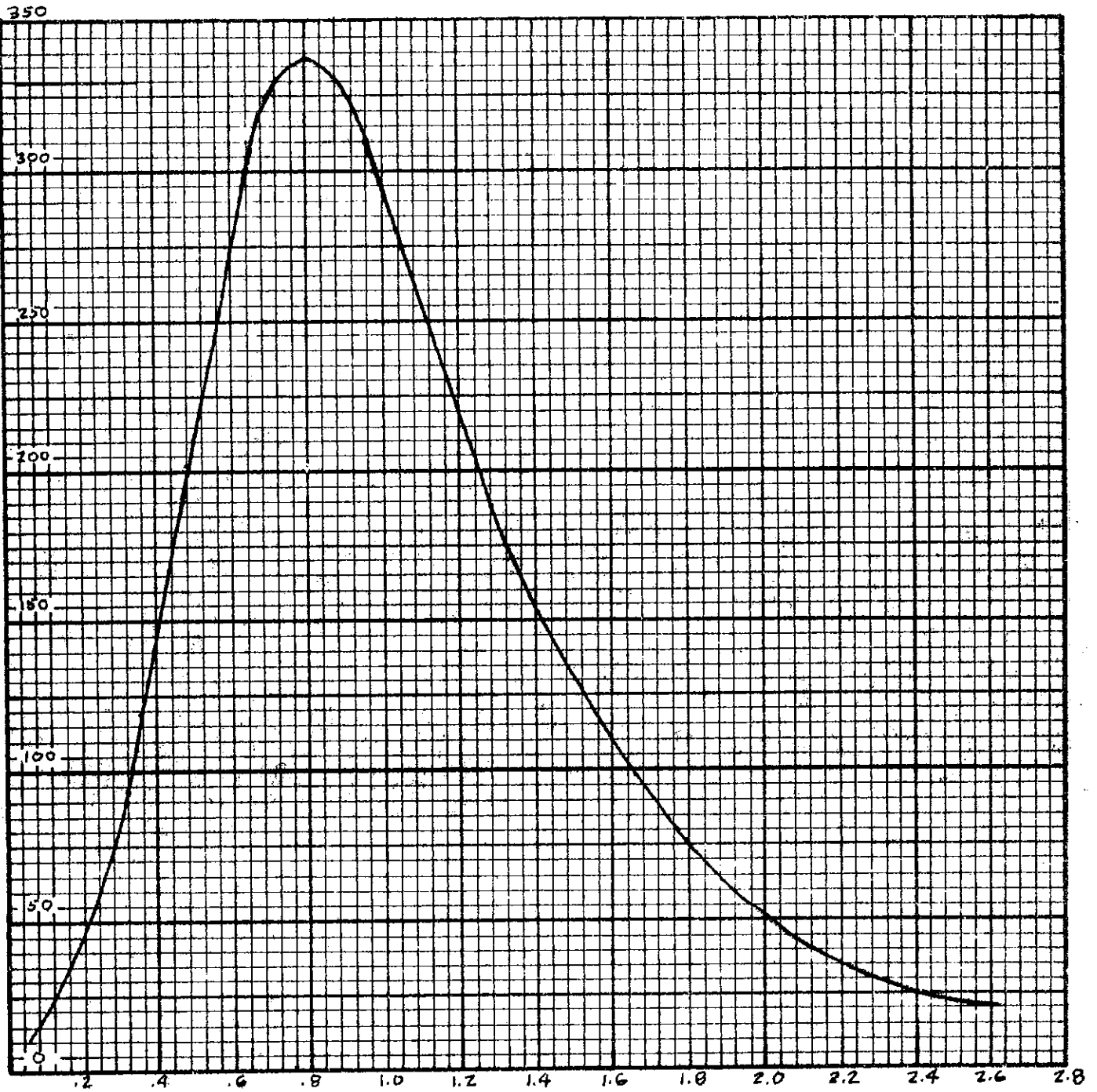




MINOR BASIN NO. 97

UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO

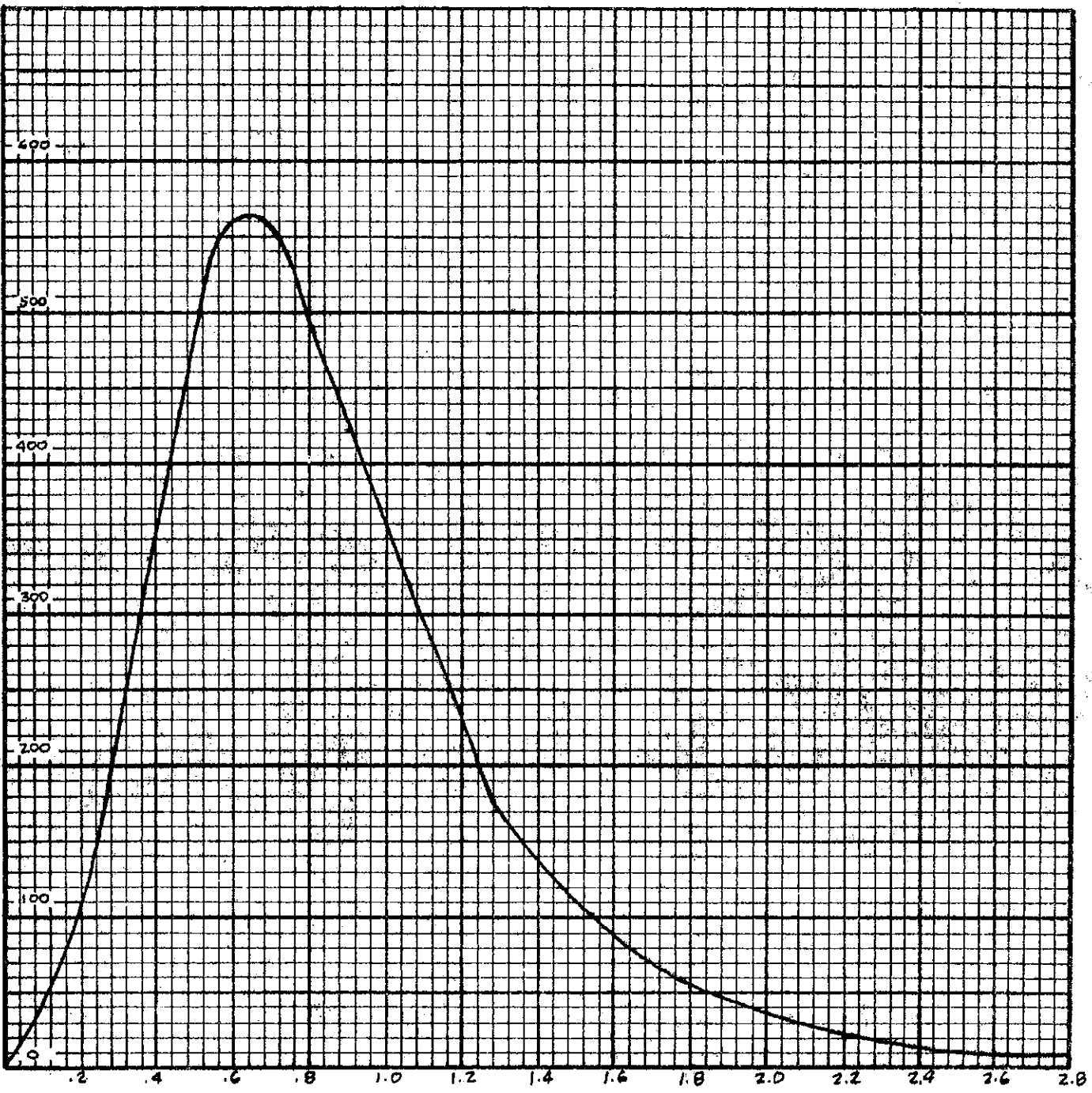




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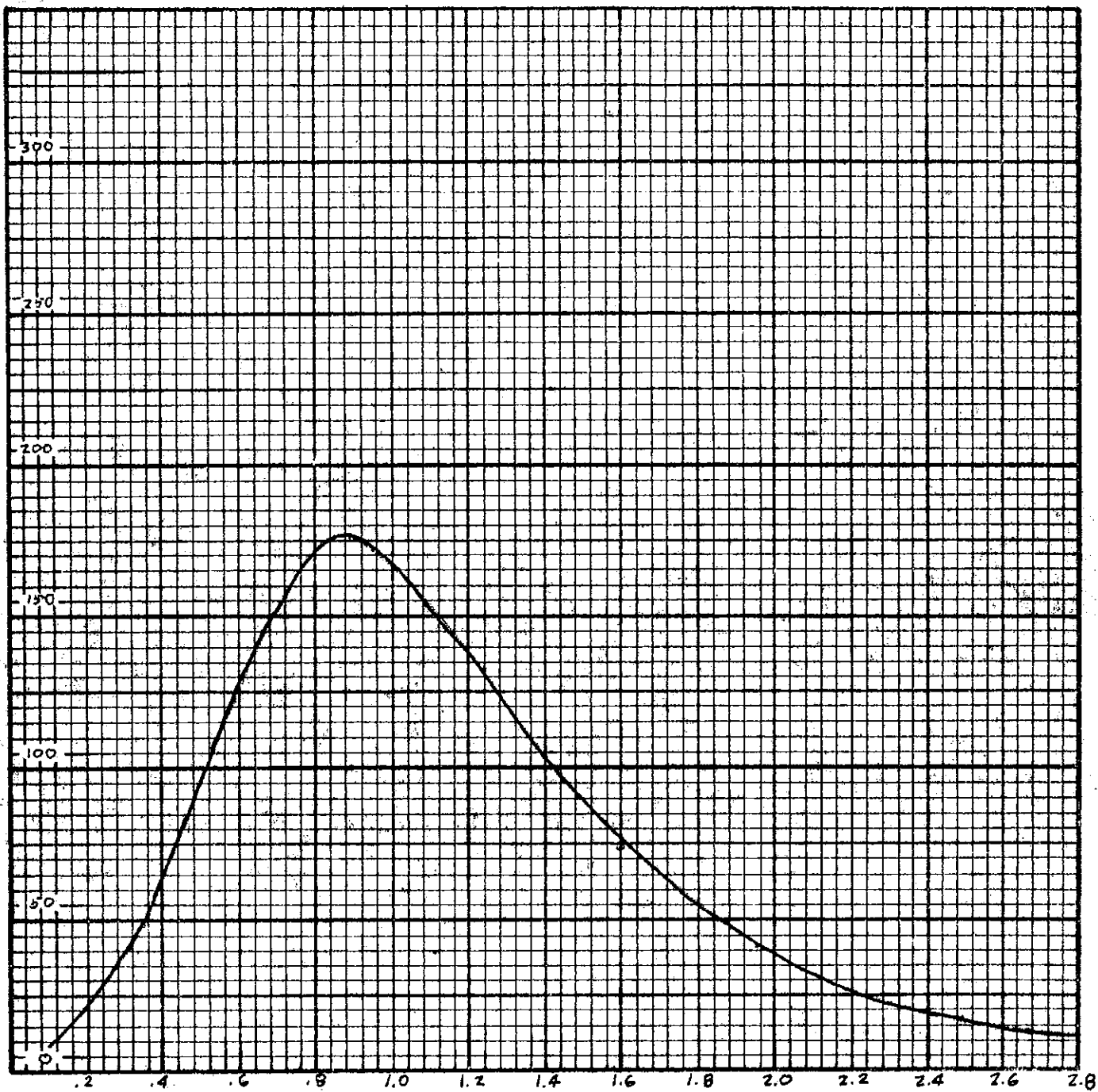
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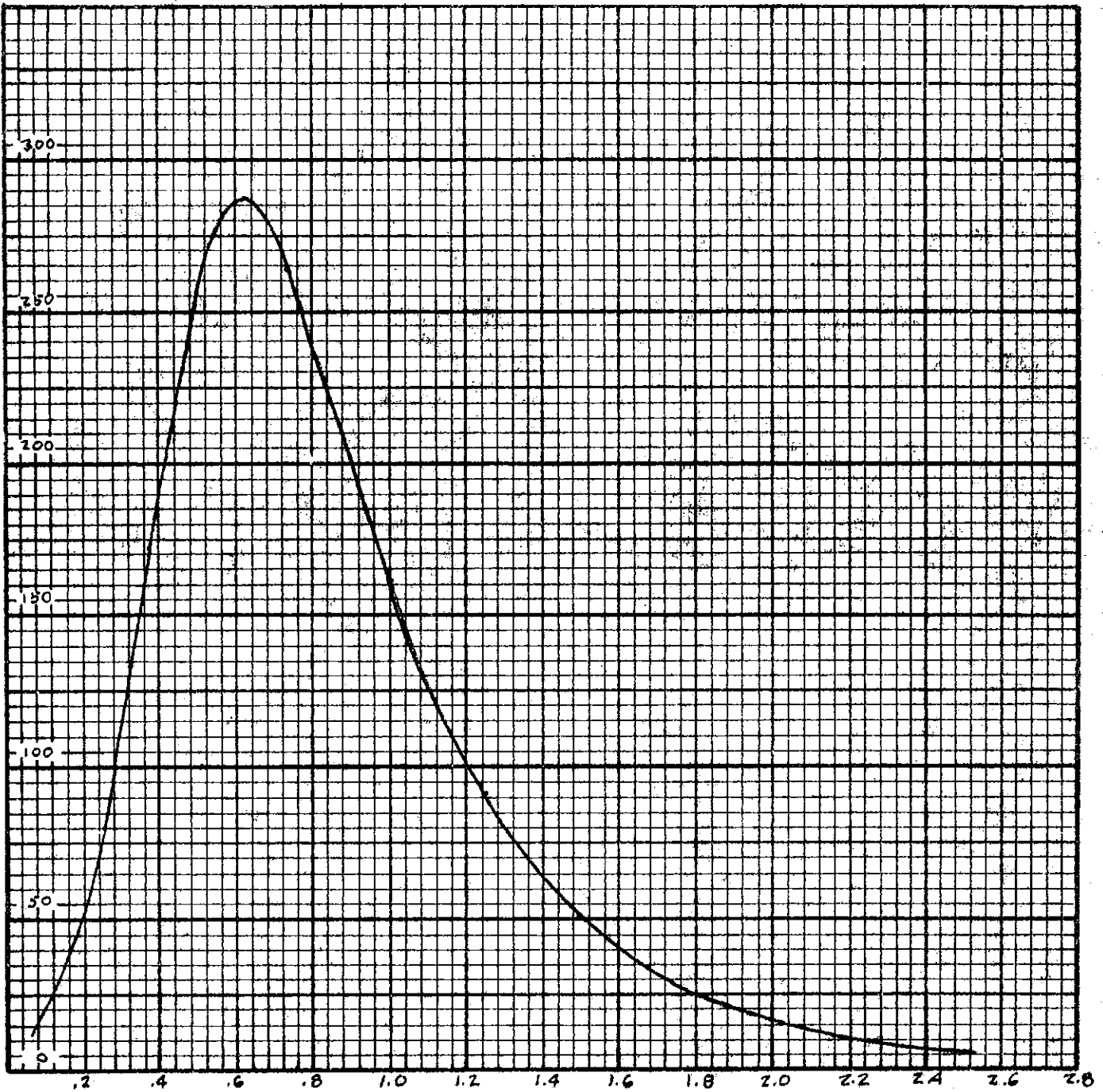
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UNITED WESTERN ENGINEERS  
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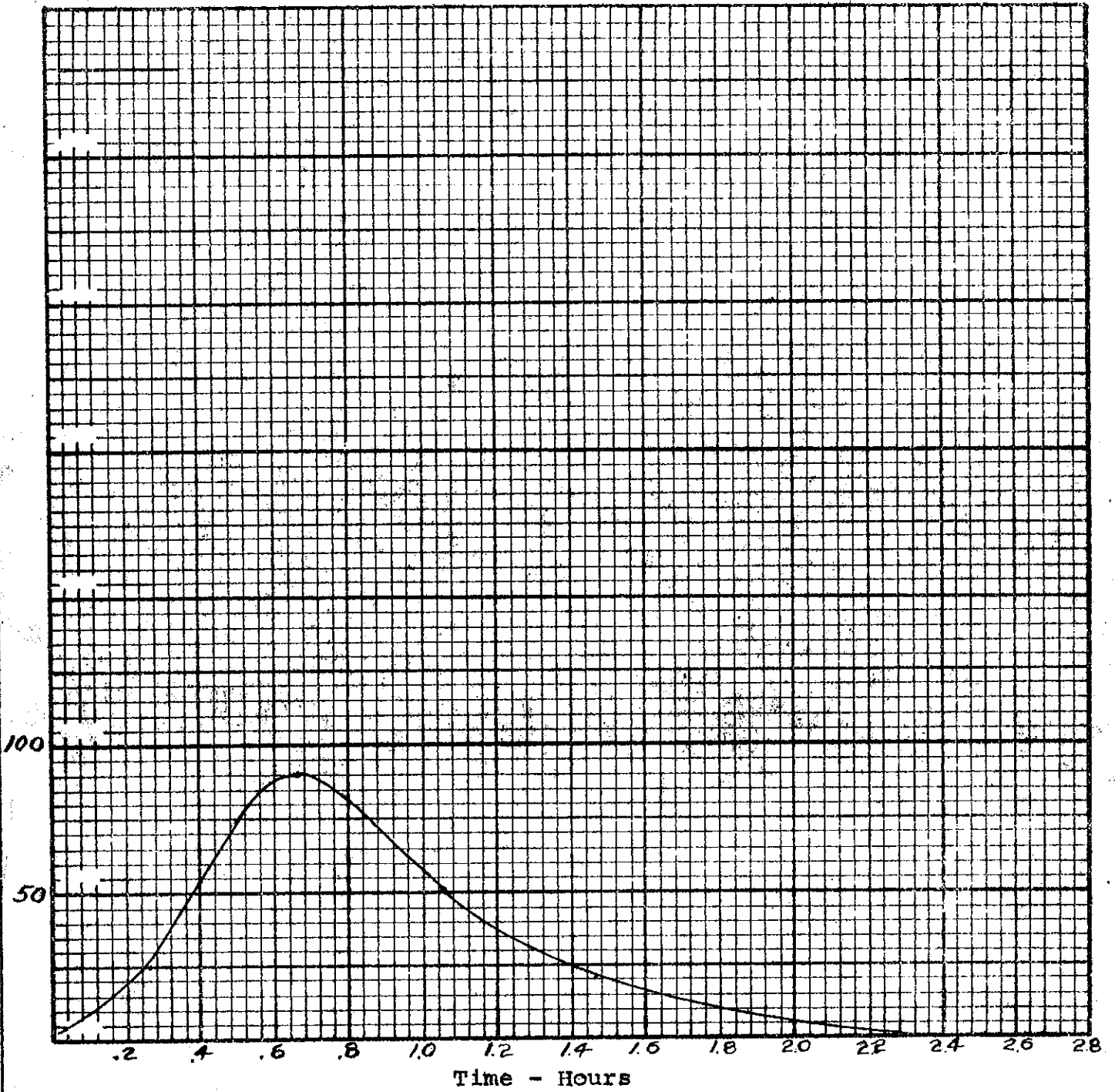
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COLORADO SPRINGS, COLORADO



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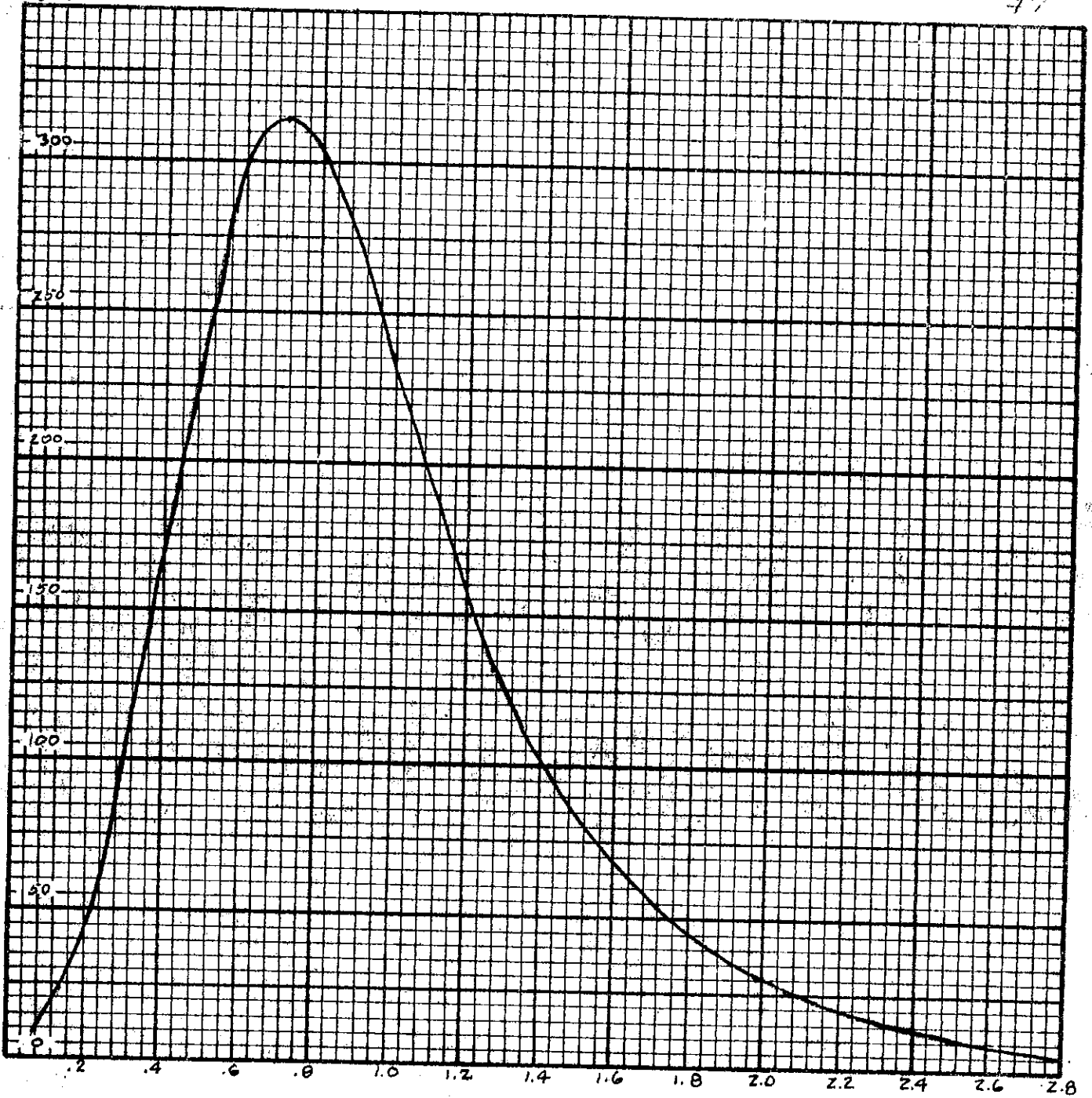
UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO





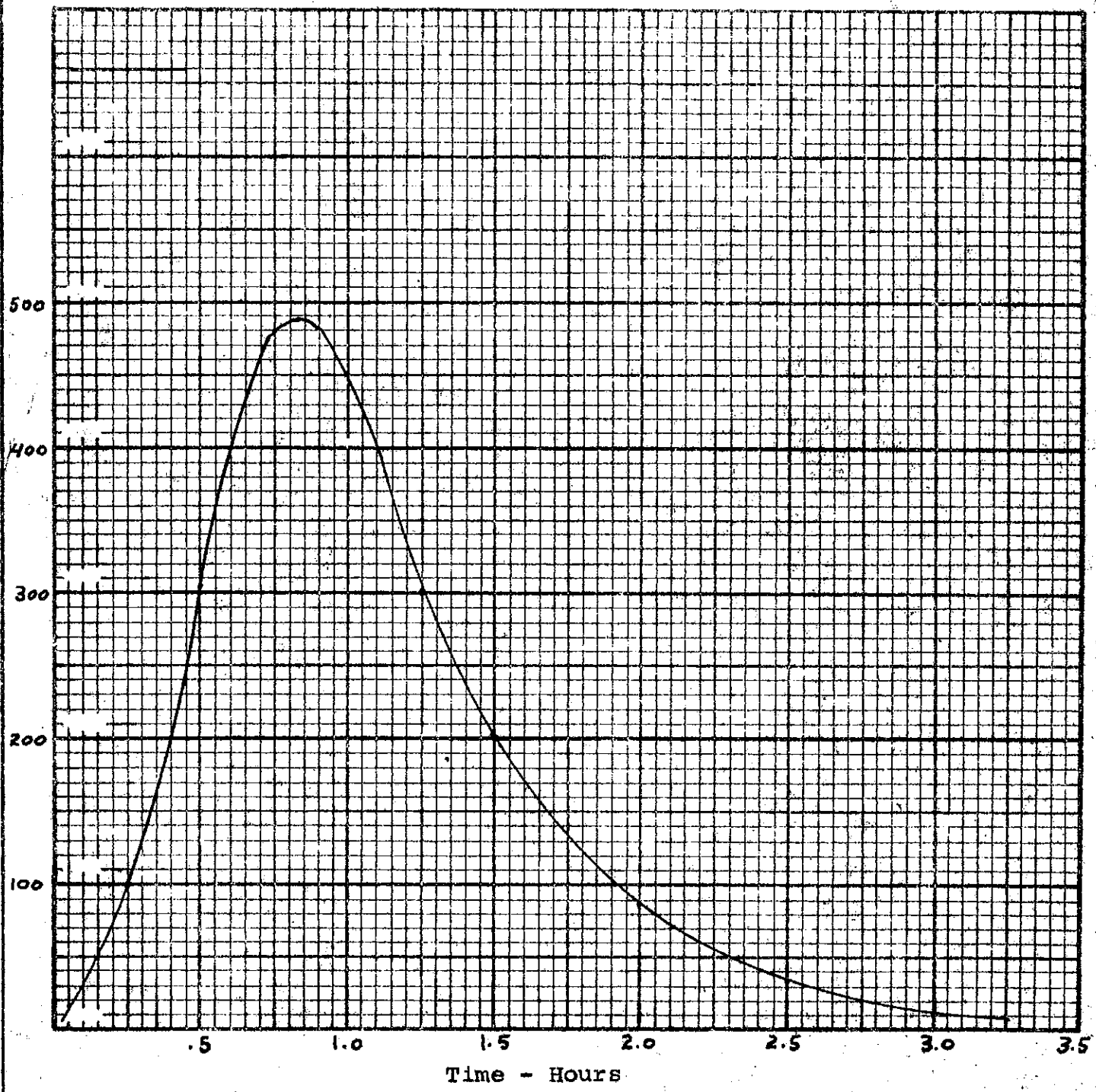
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47

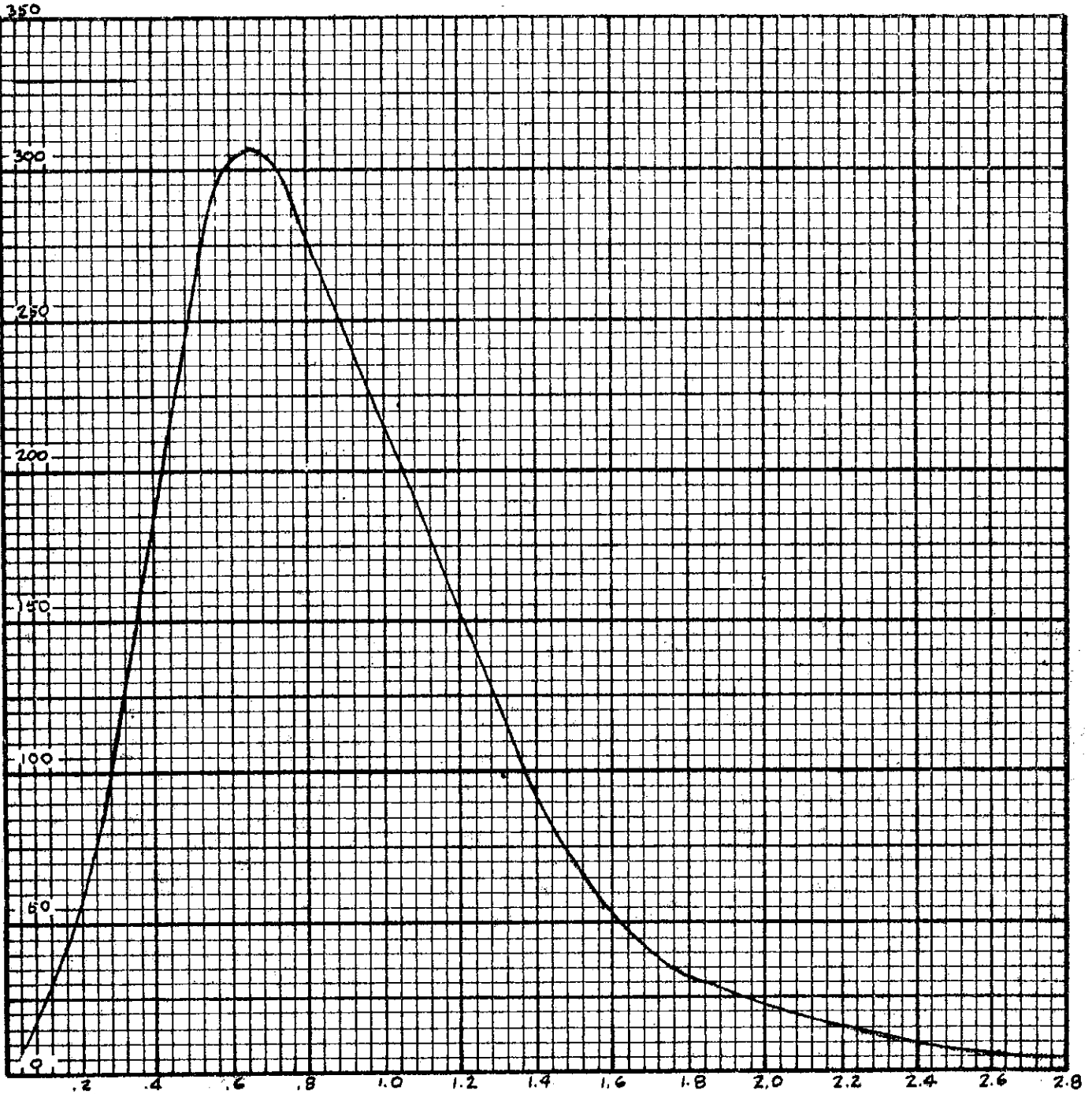


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COLORADO SPRINGS, COLORADO

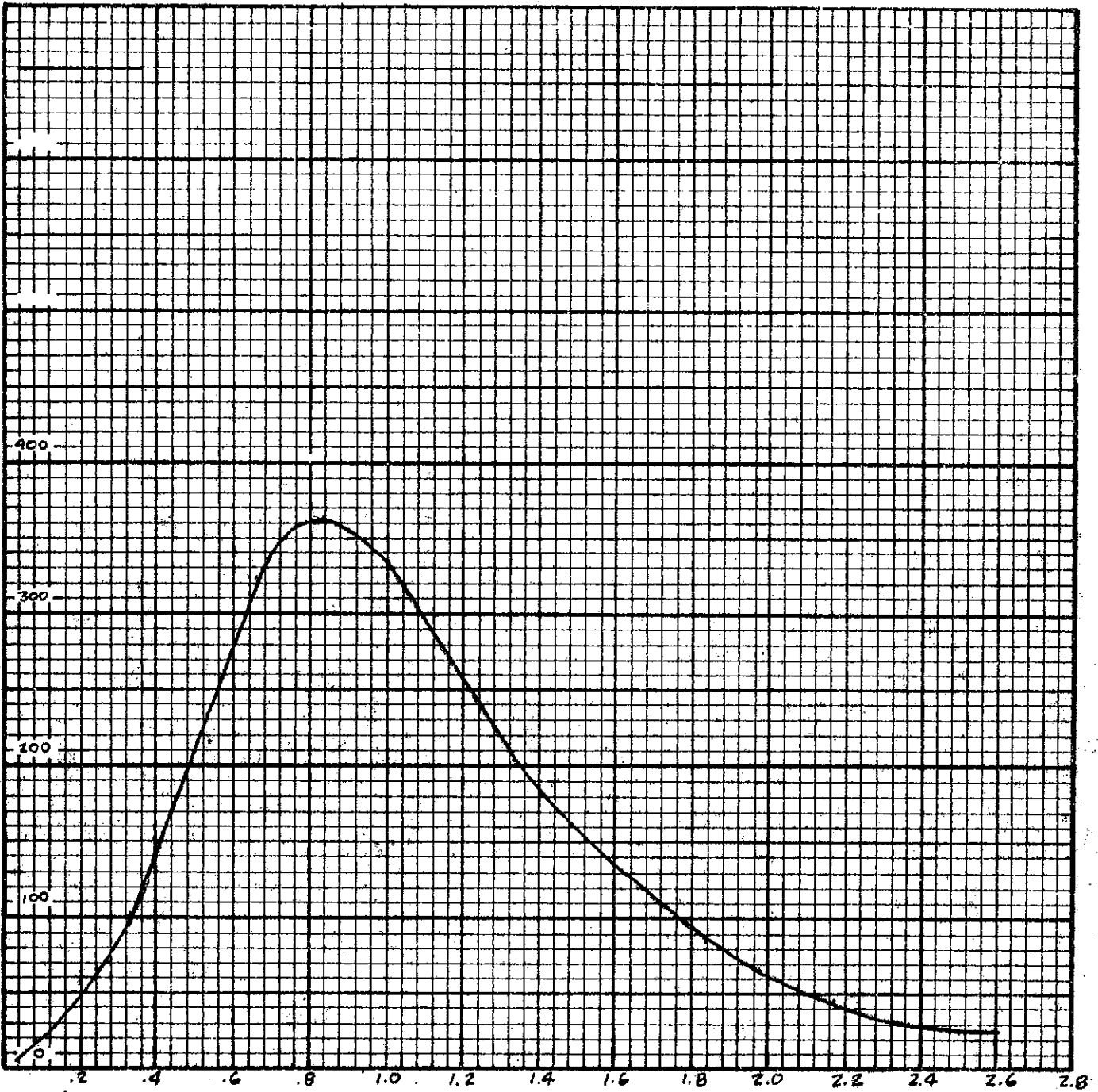






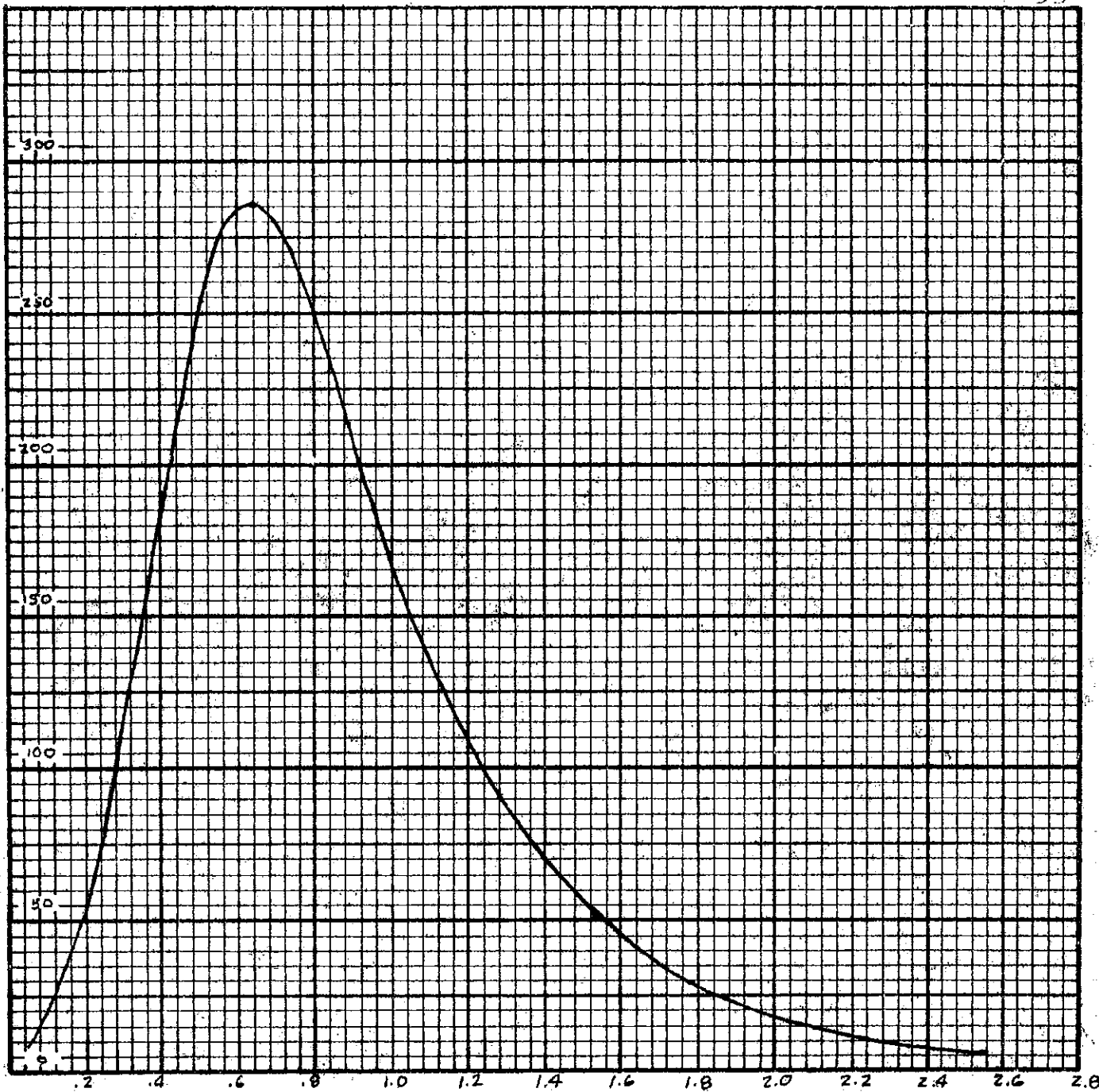
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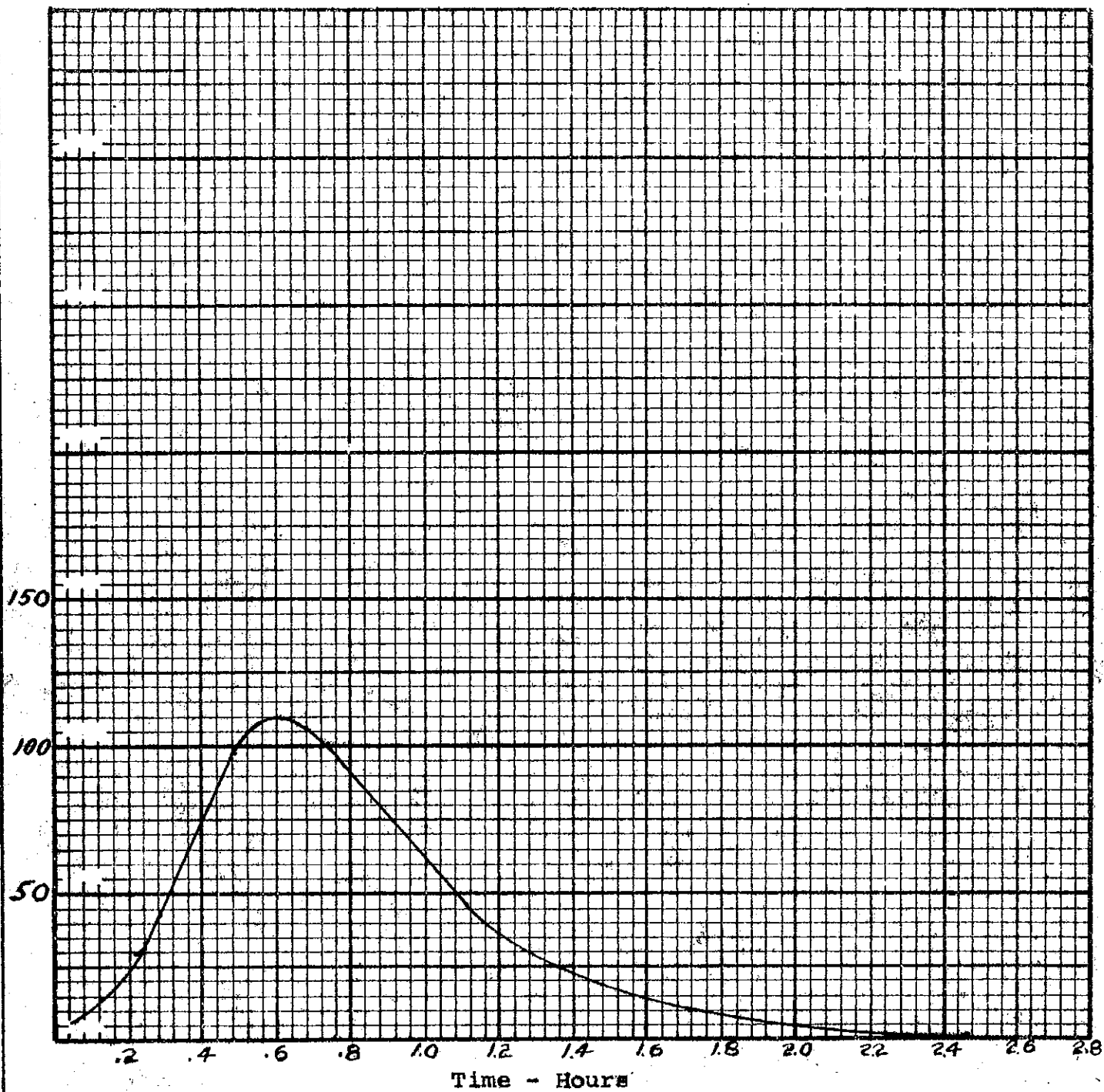
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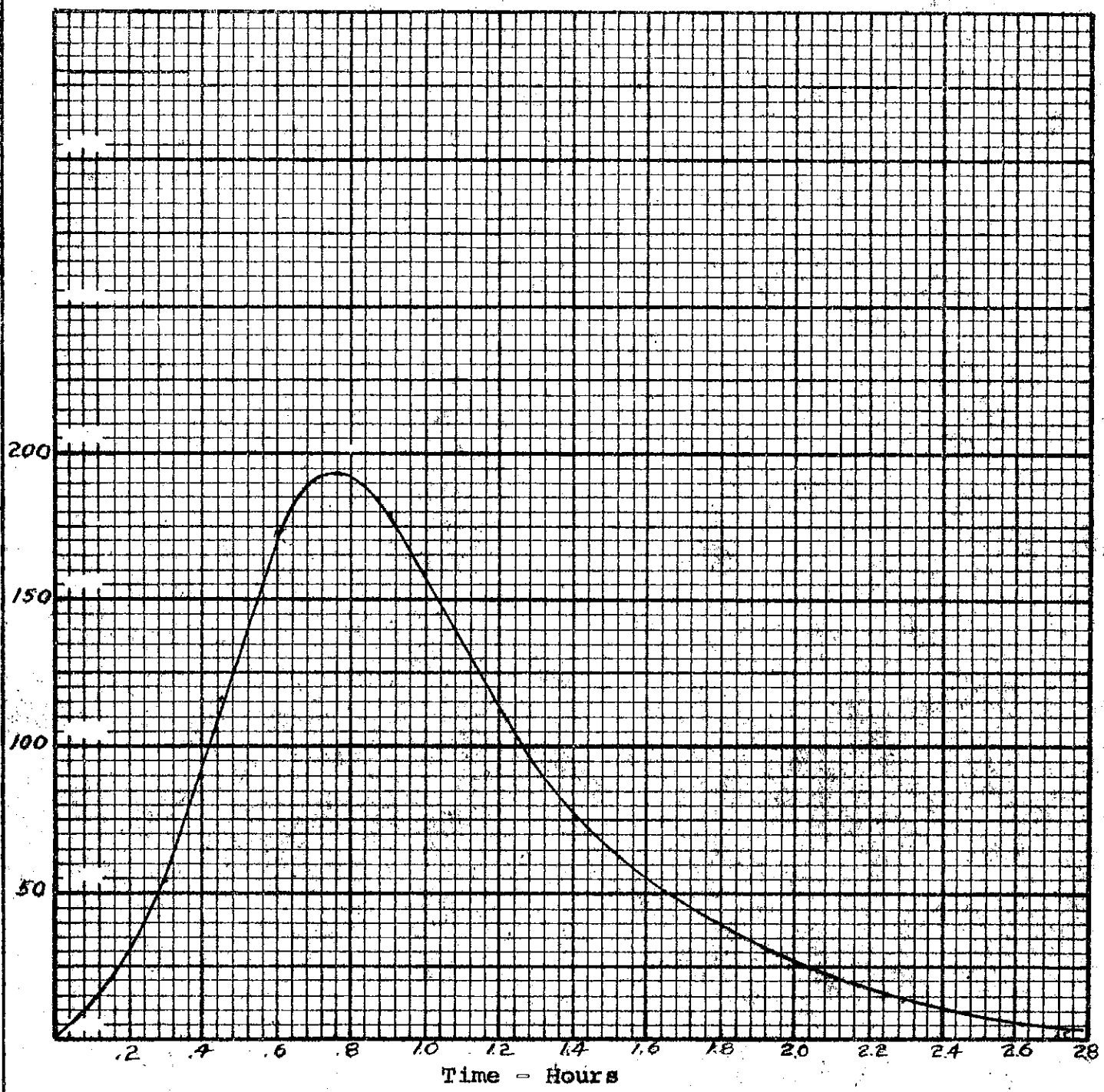


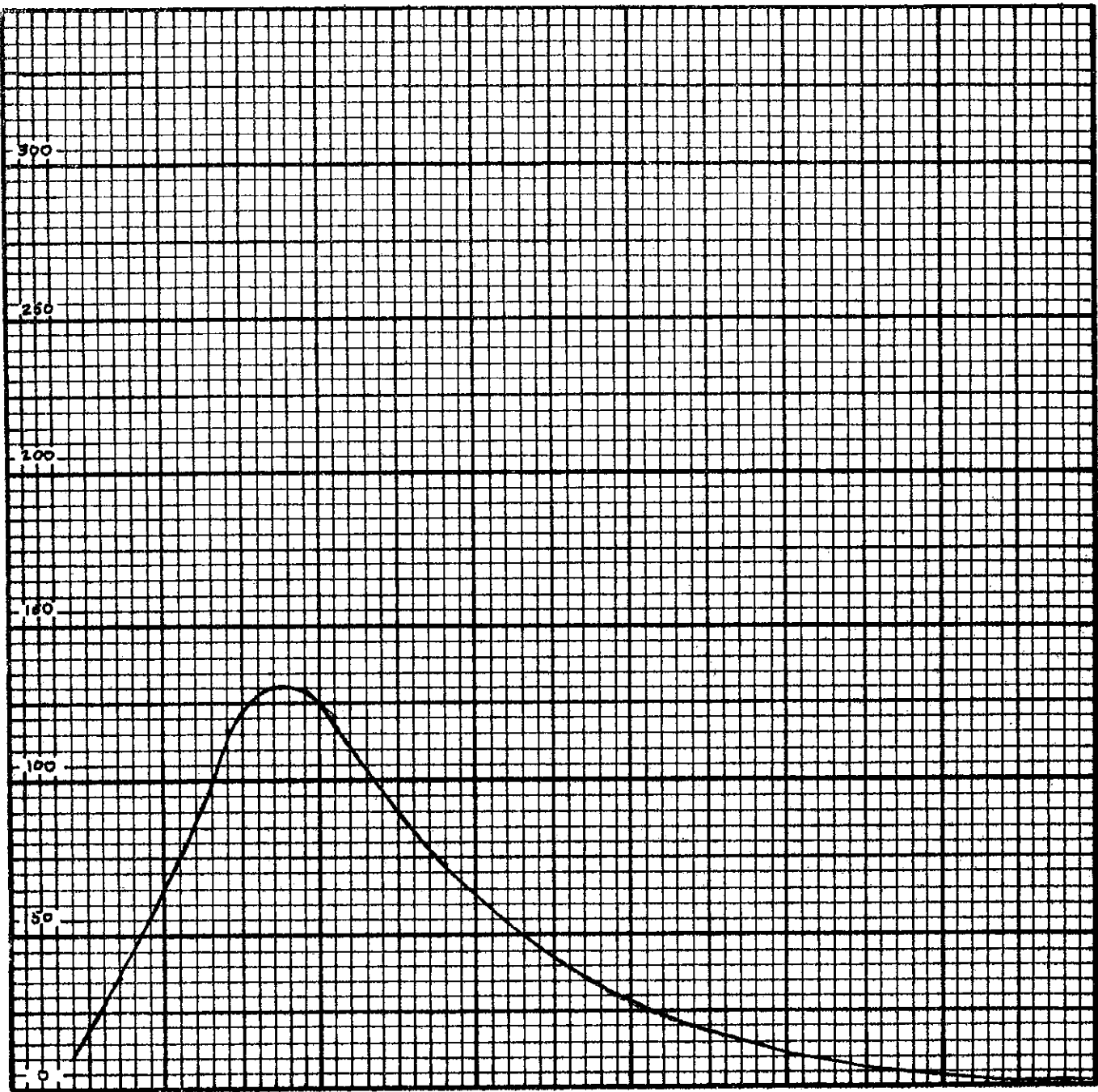
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COLORADO SPRINGS, COLORADO





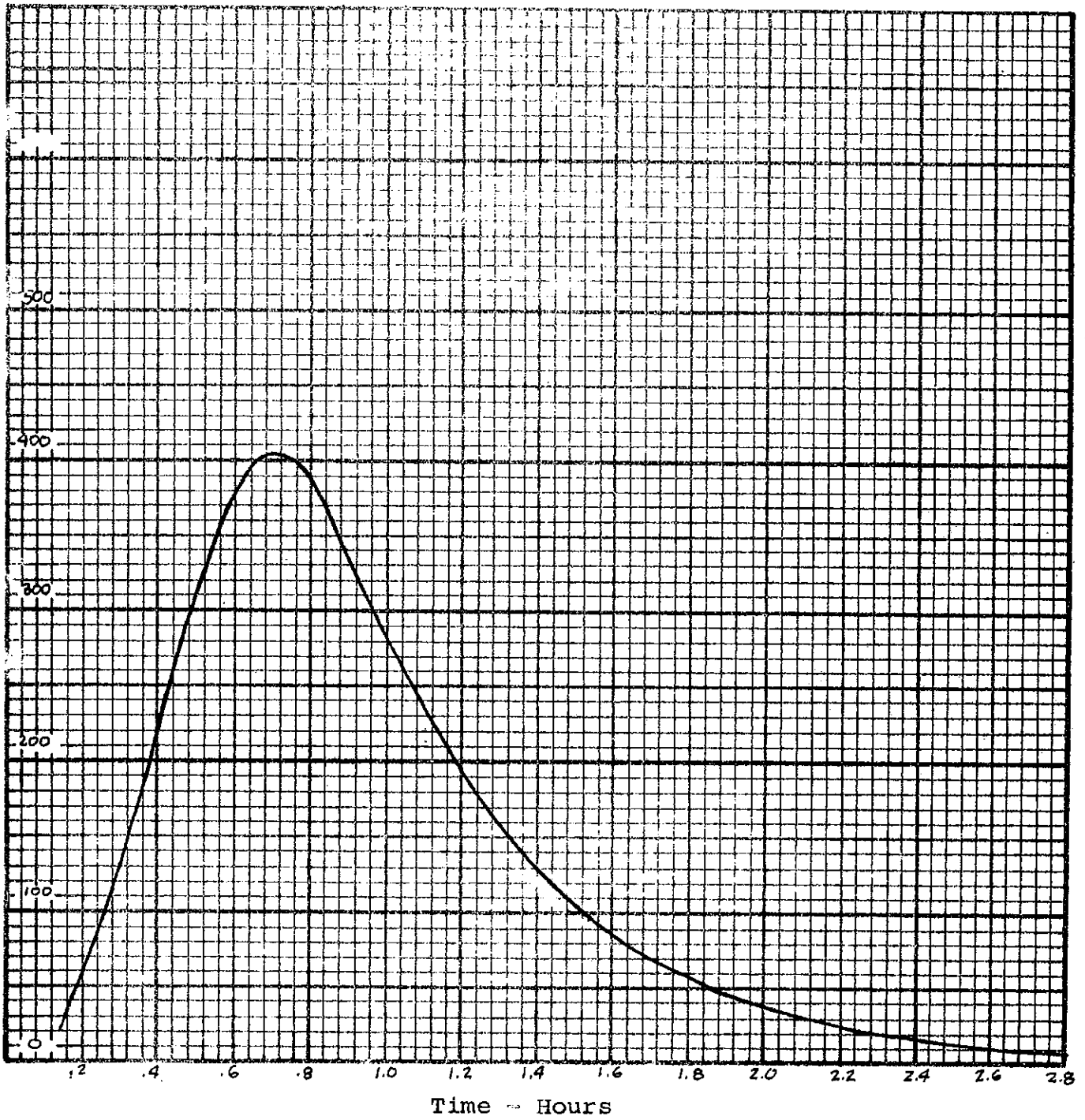




Time - Hours

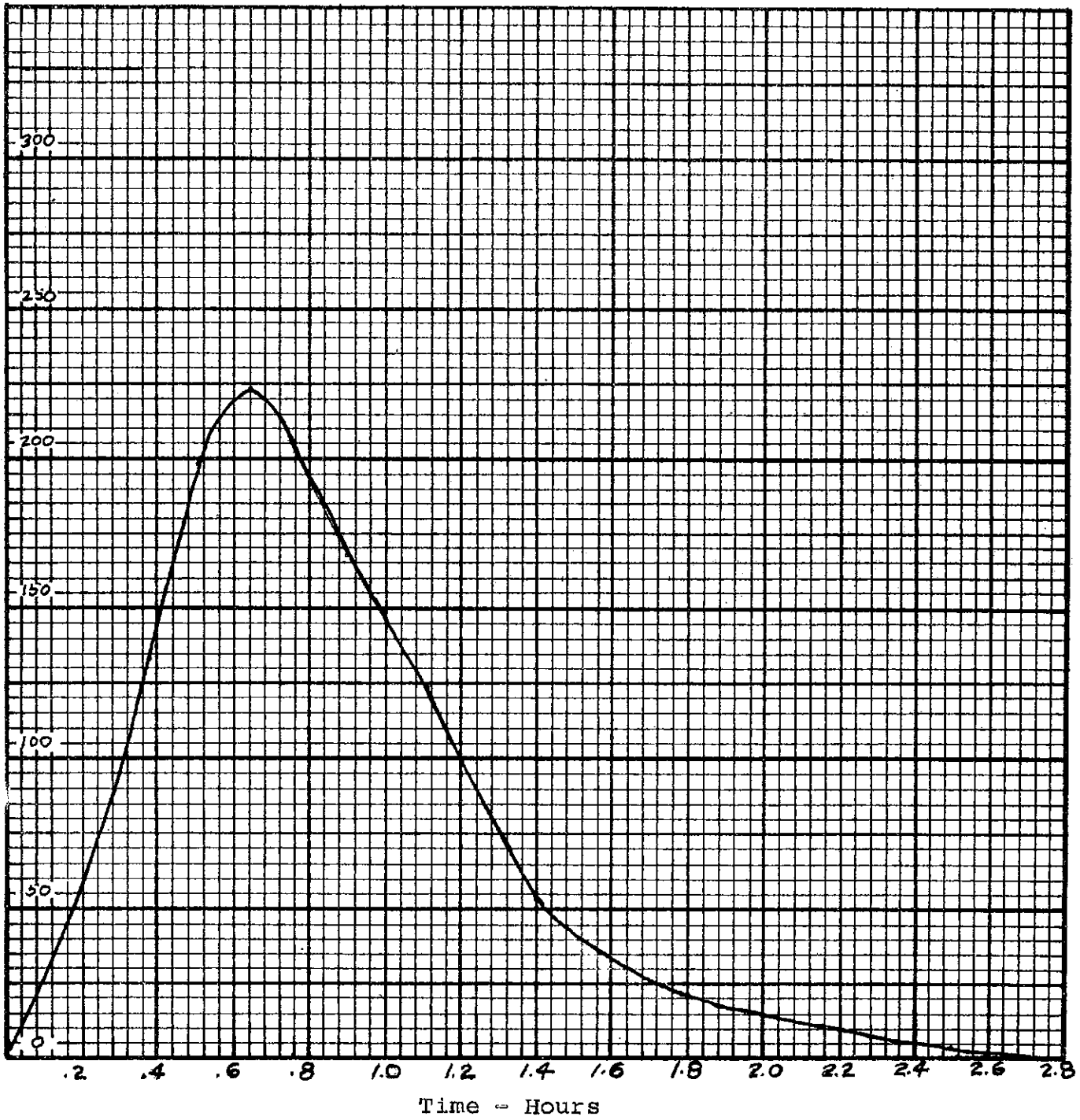
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COLORADO SPRINGS, COLORADO



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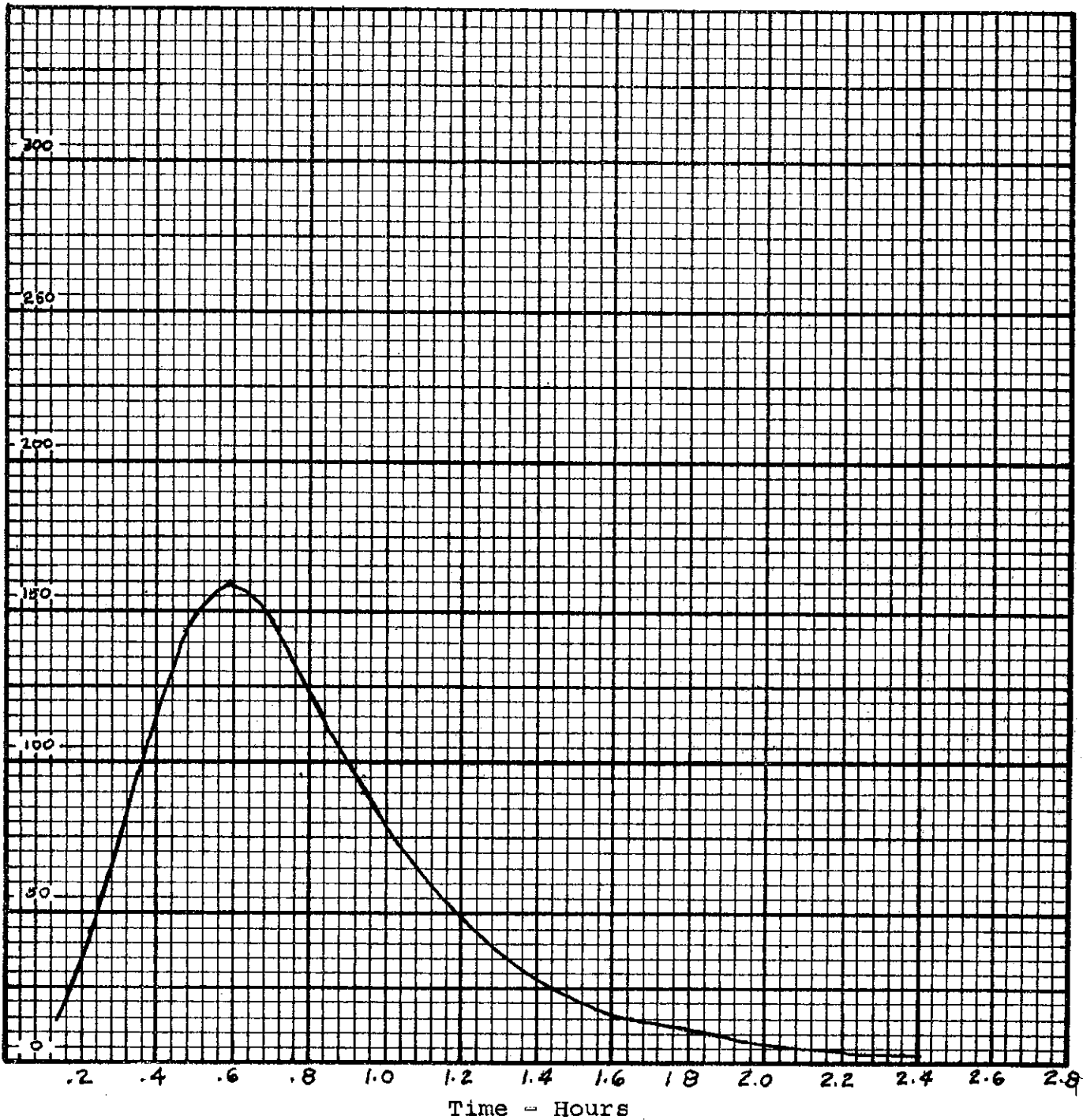
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COLORADO SPRINGS, COLORADO



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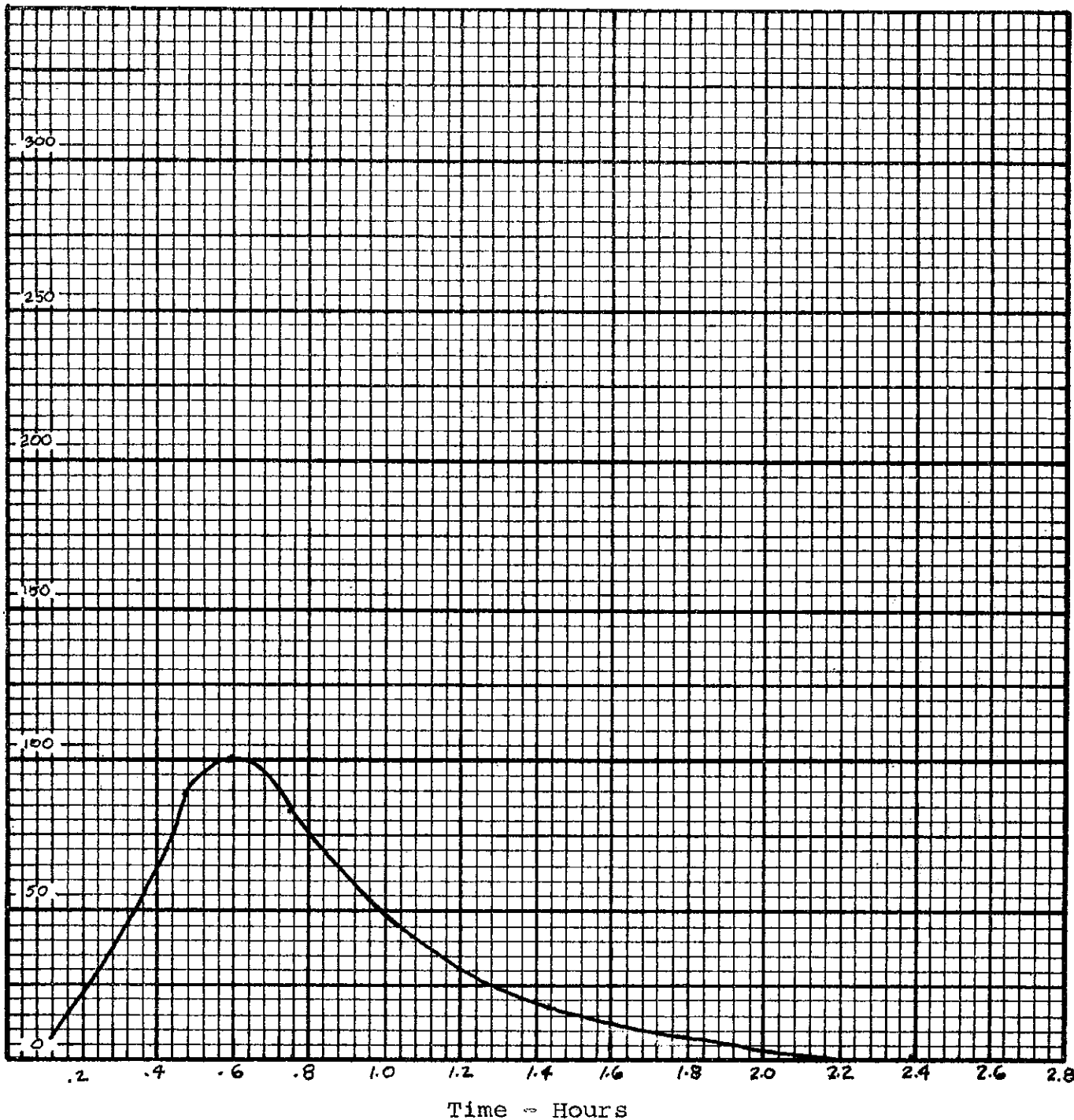
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COLORADO SPRINGS, COLORADO





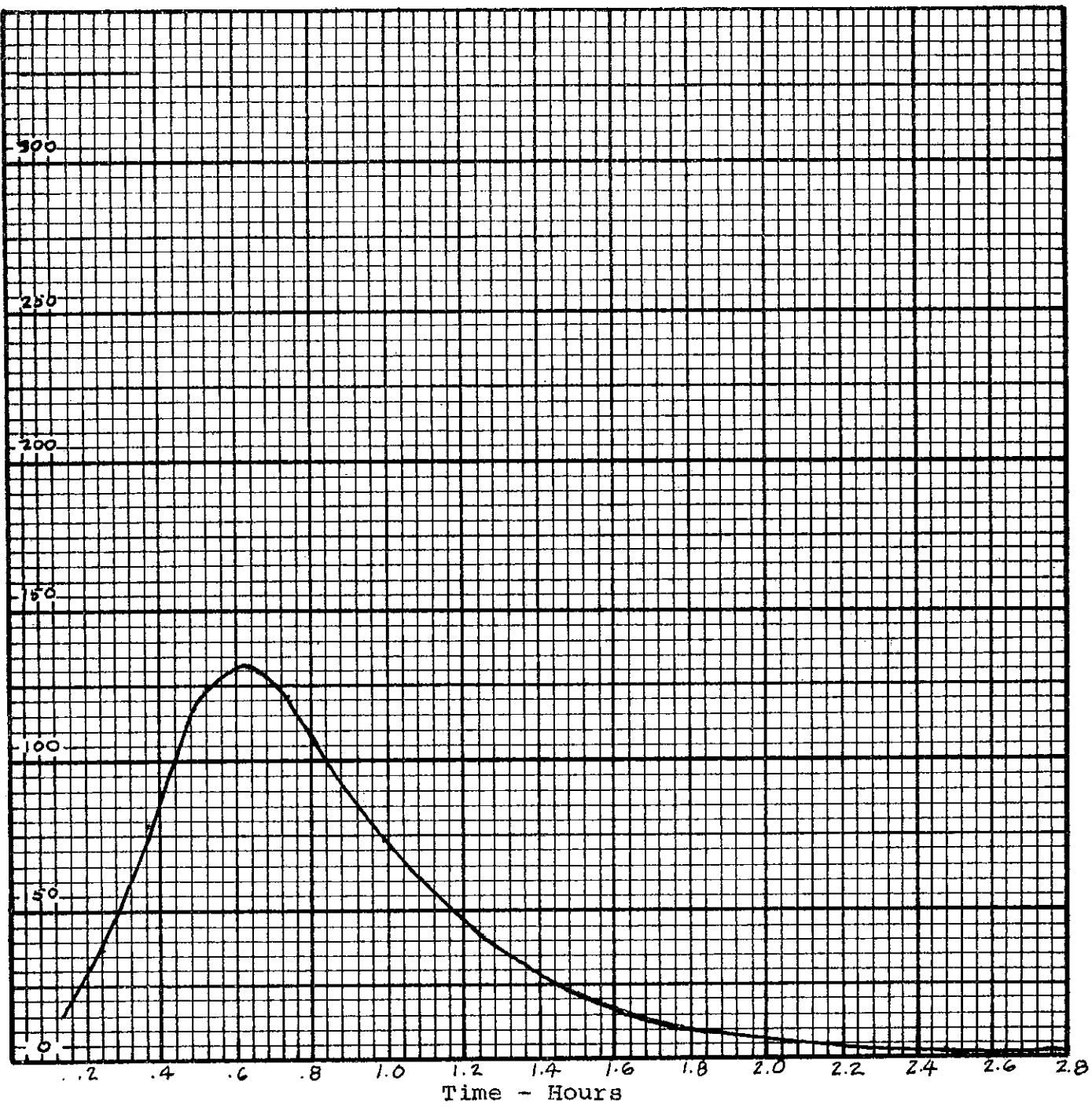
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COLORADO SPRINGS, COLORADO



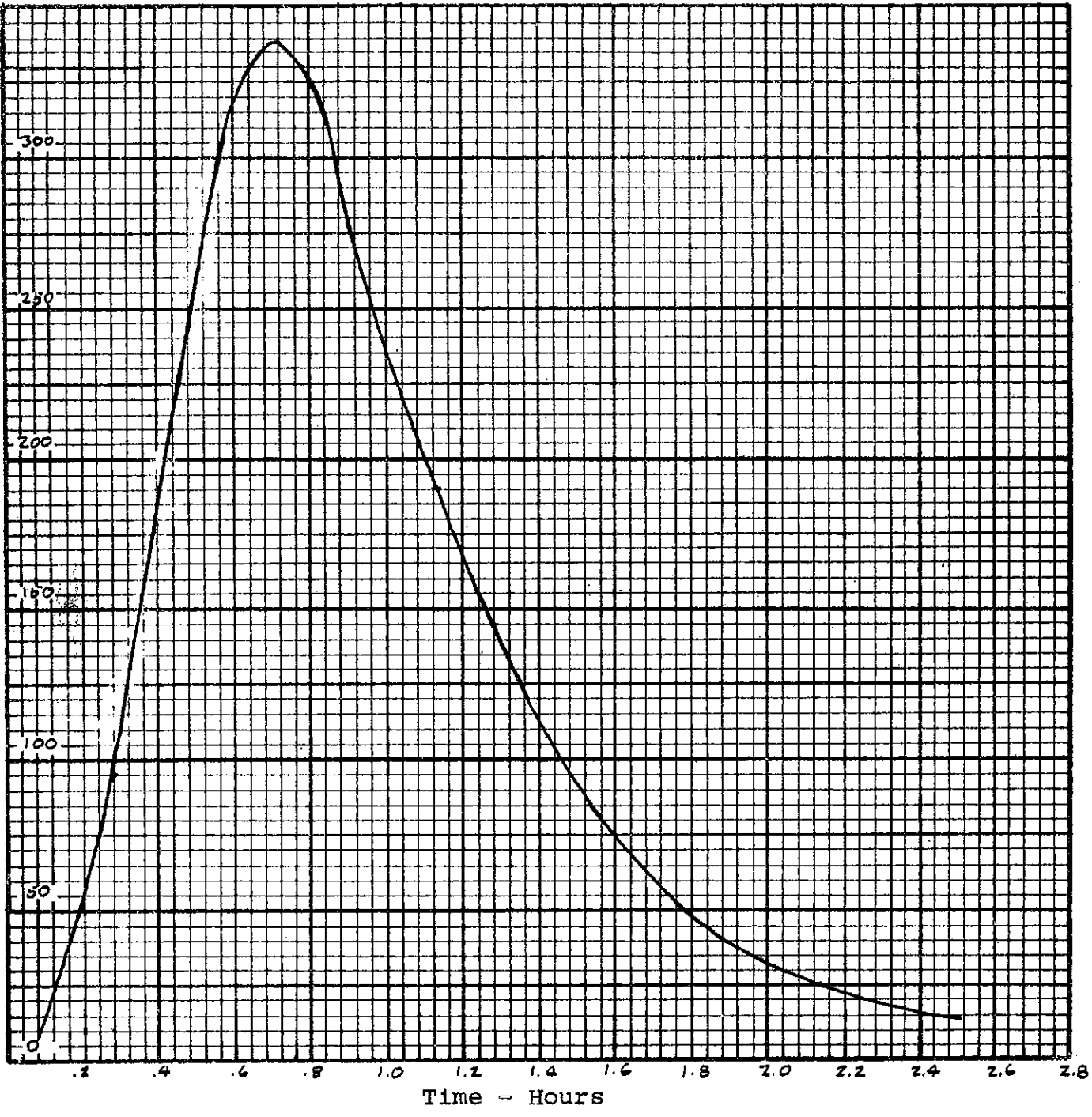
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COLORADO SPRINGS, COLORADO



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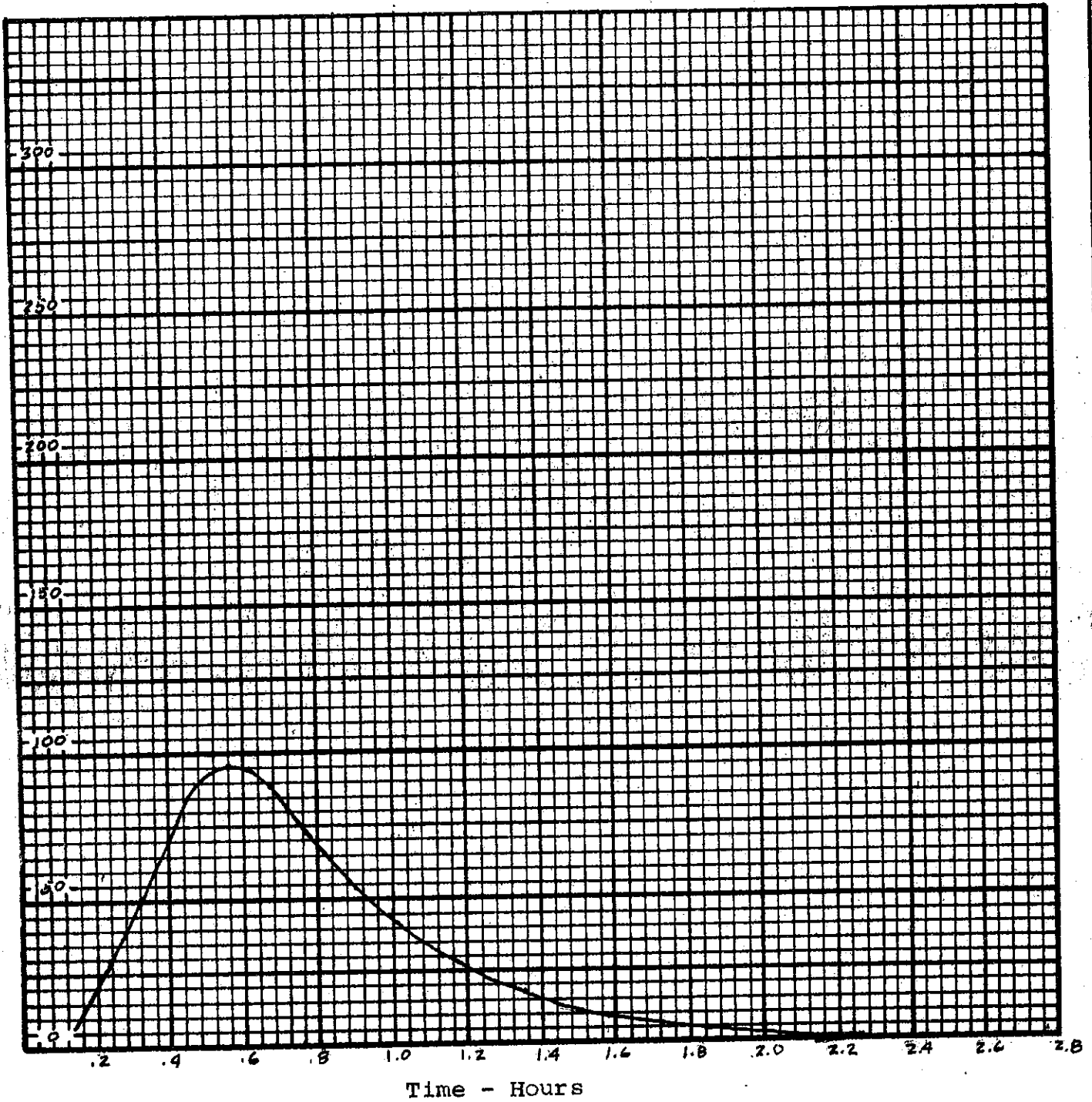
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COLORADO SPRINGS, COLORADO



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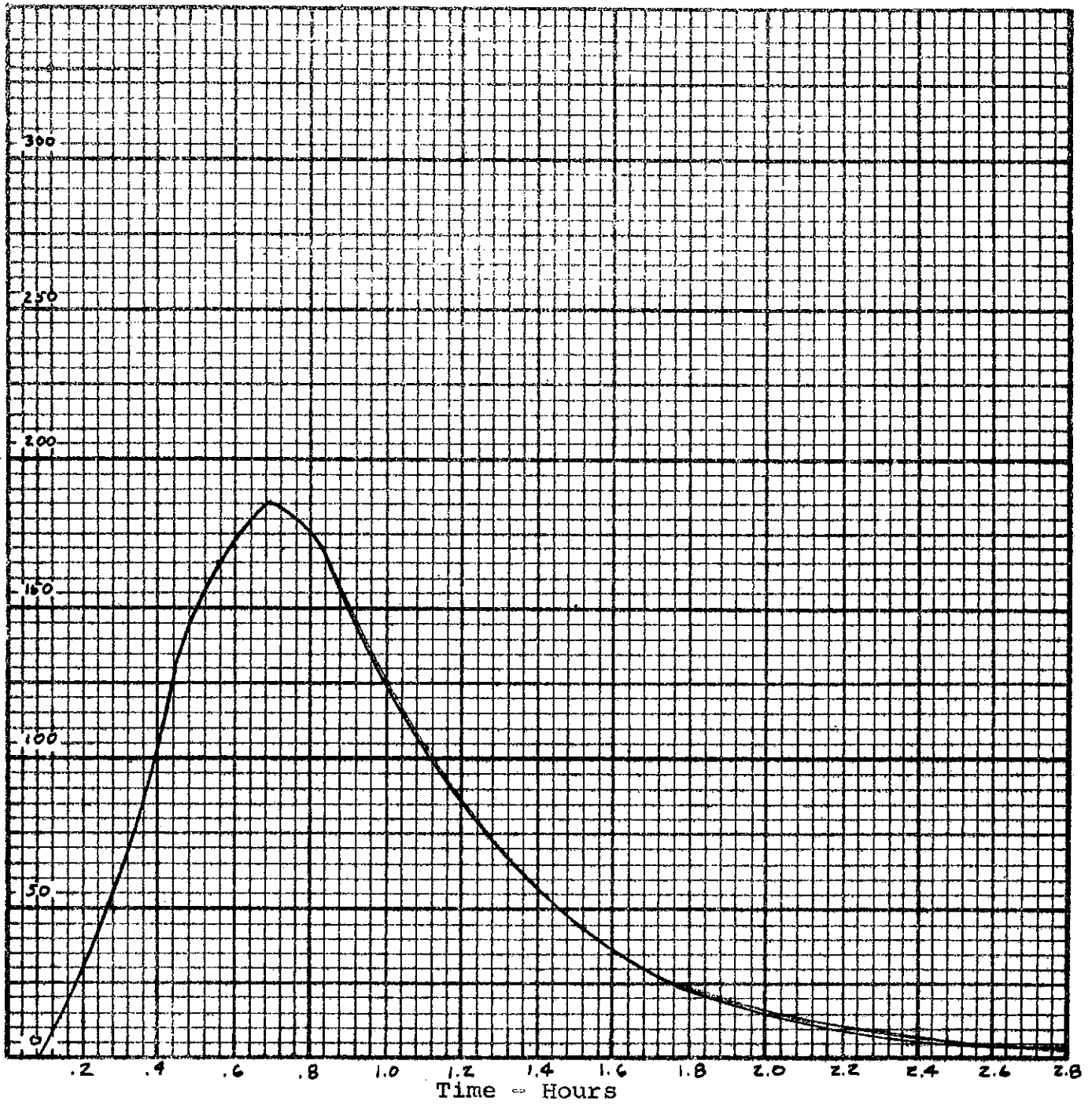
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COLORADO SPRINGS, COLORADO





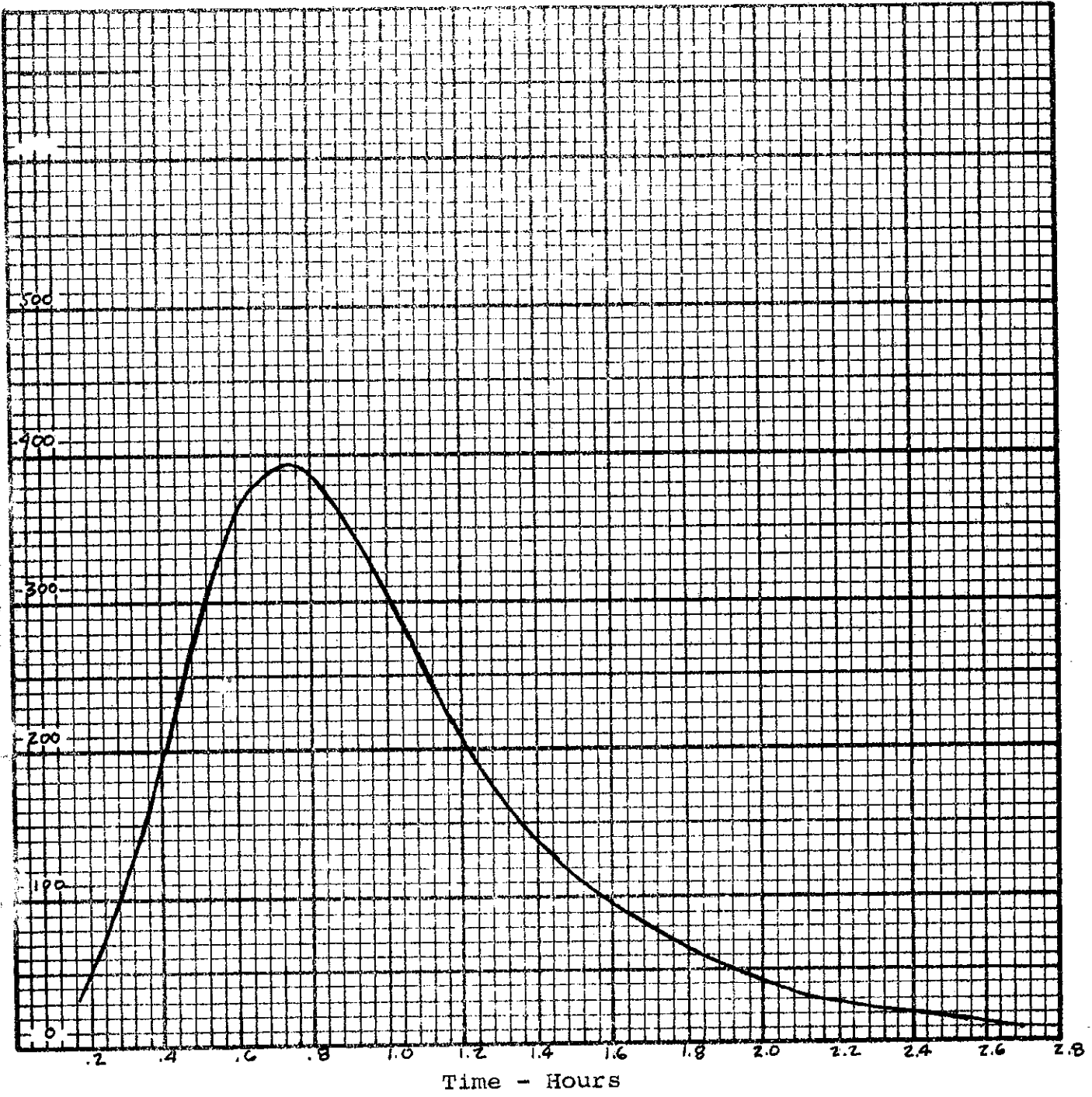
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COLORADO SPRINGS, COLORADO



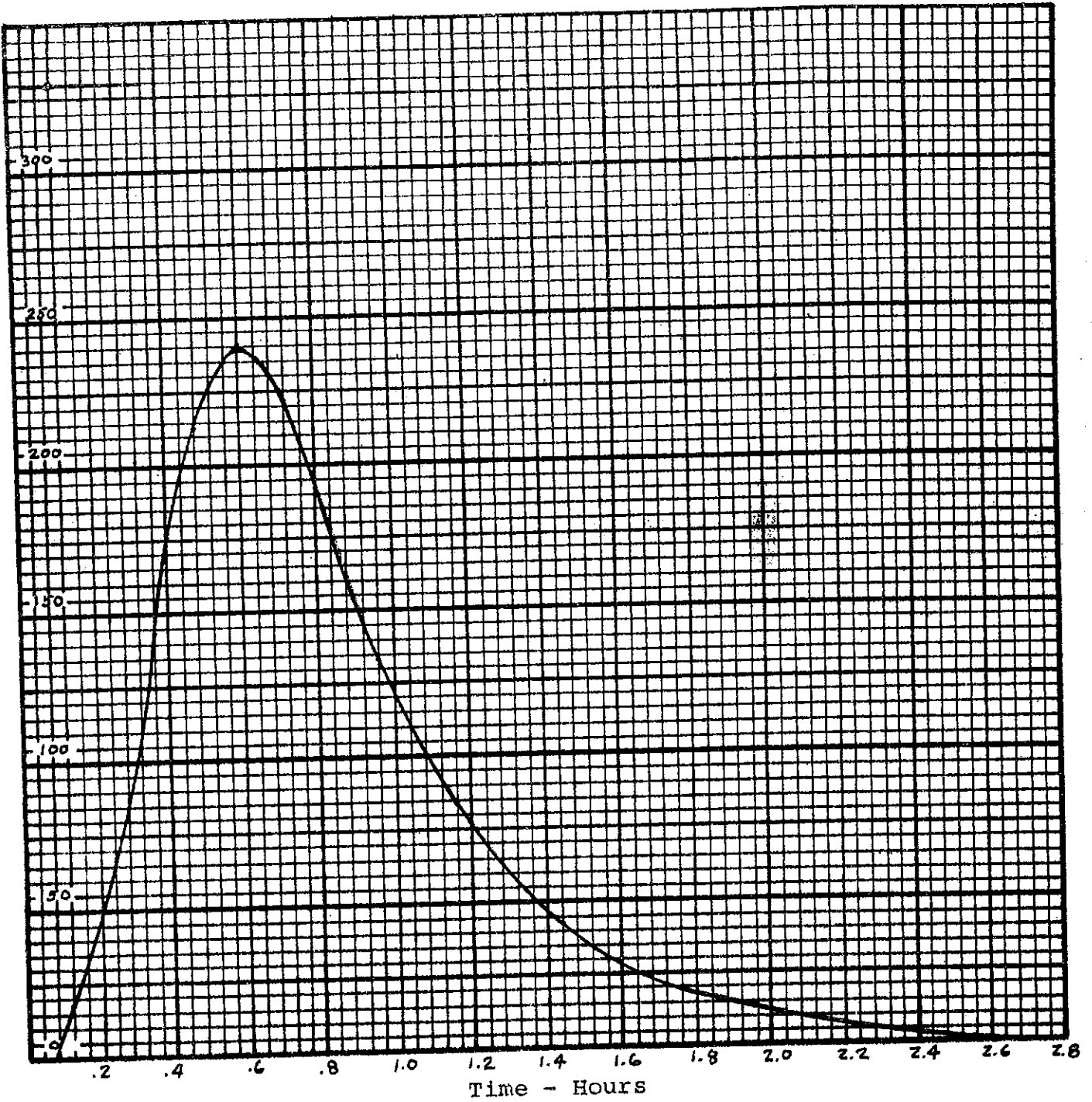
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UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO



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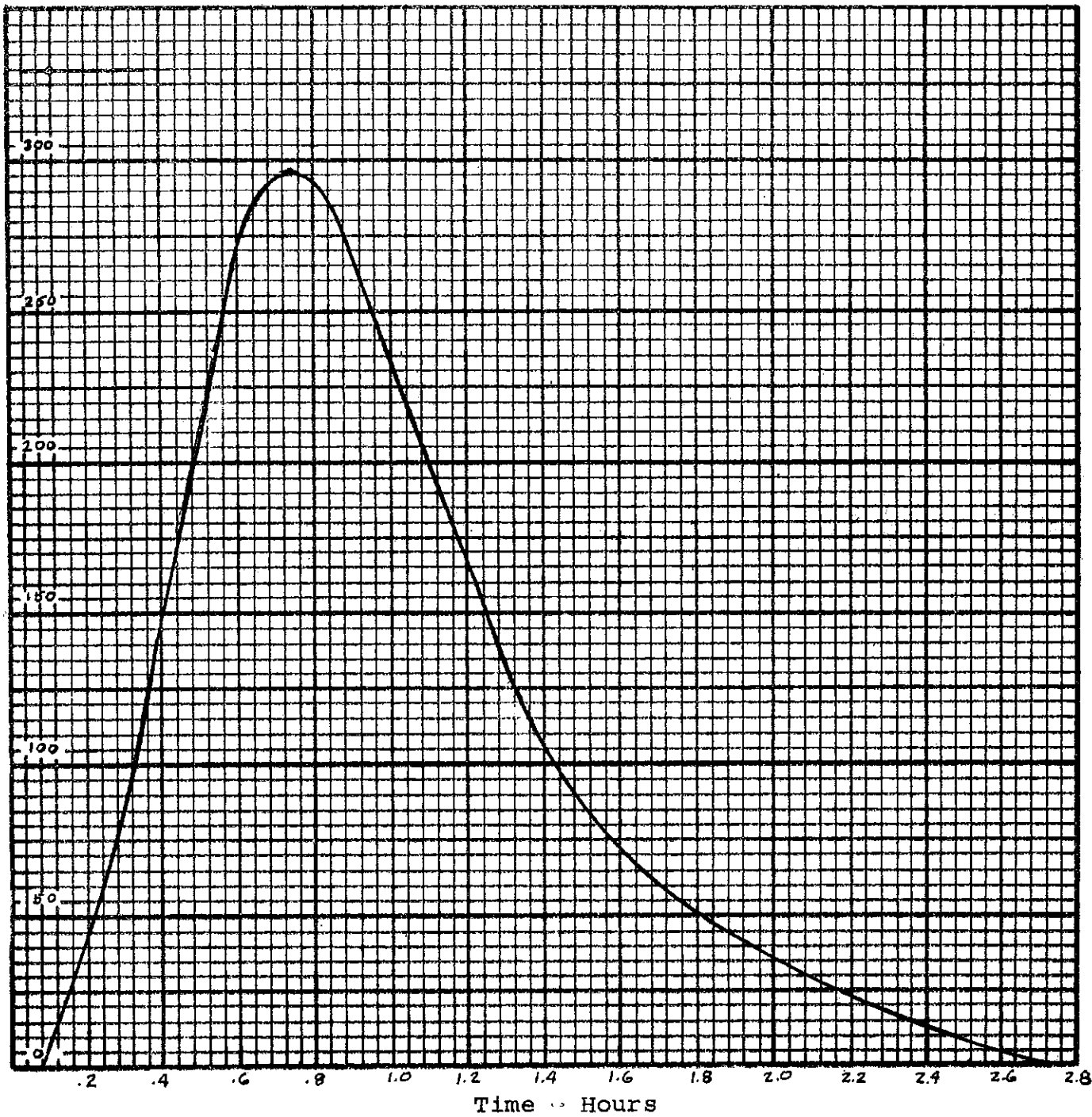
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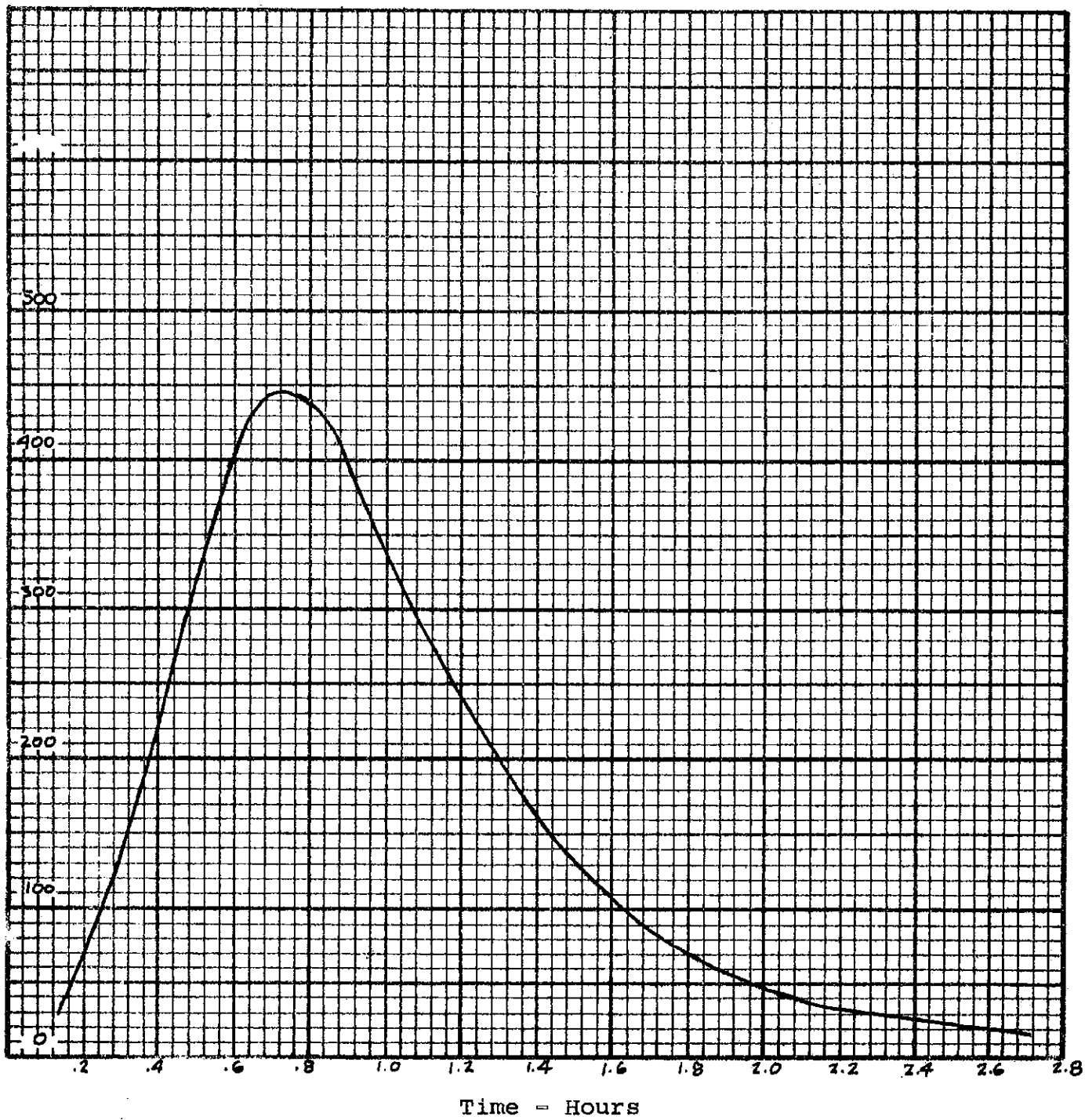
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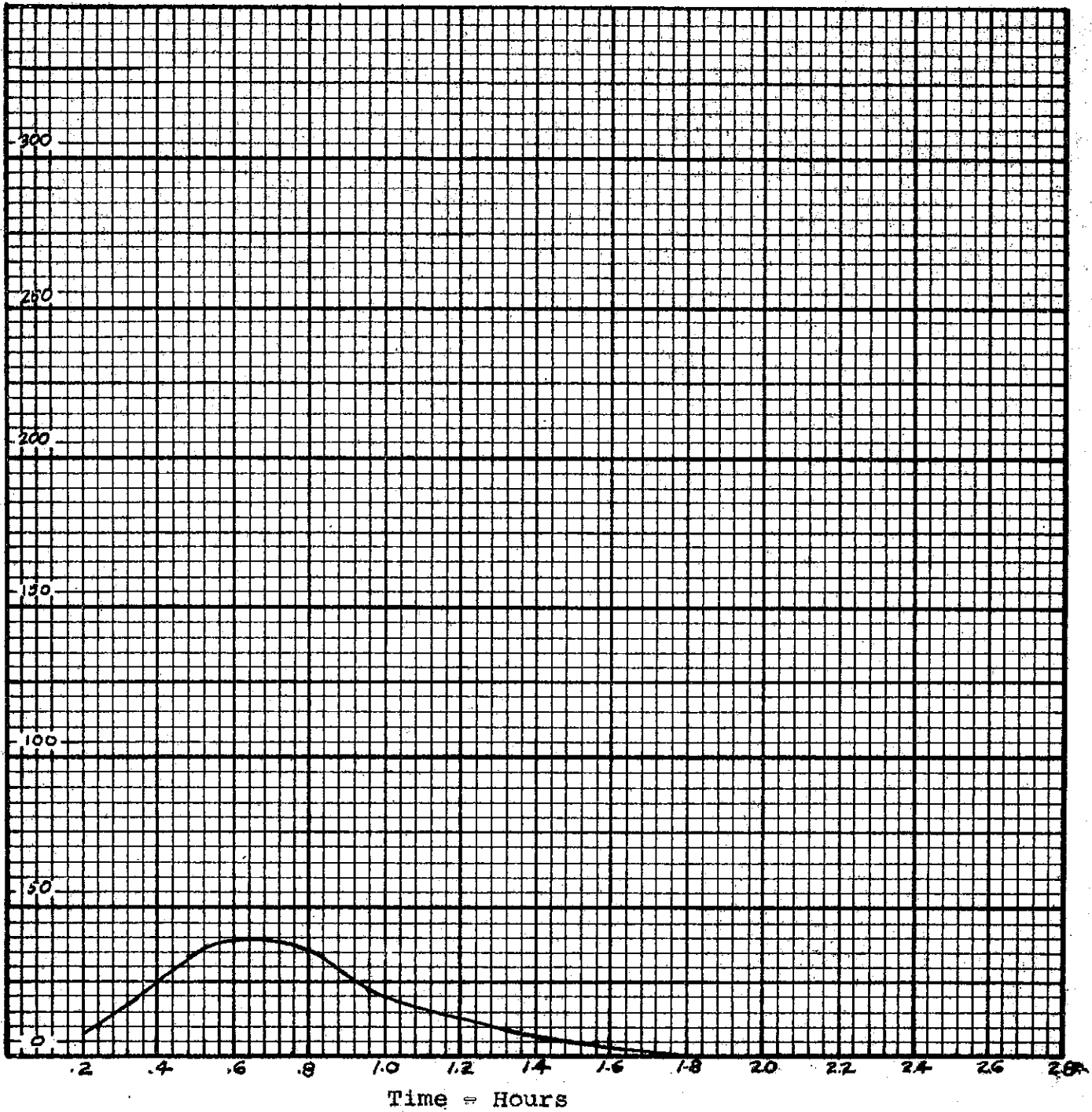
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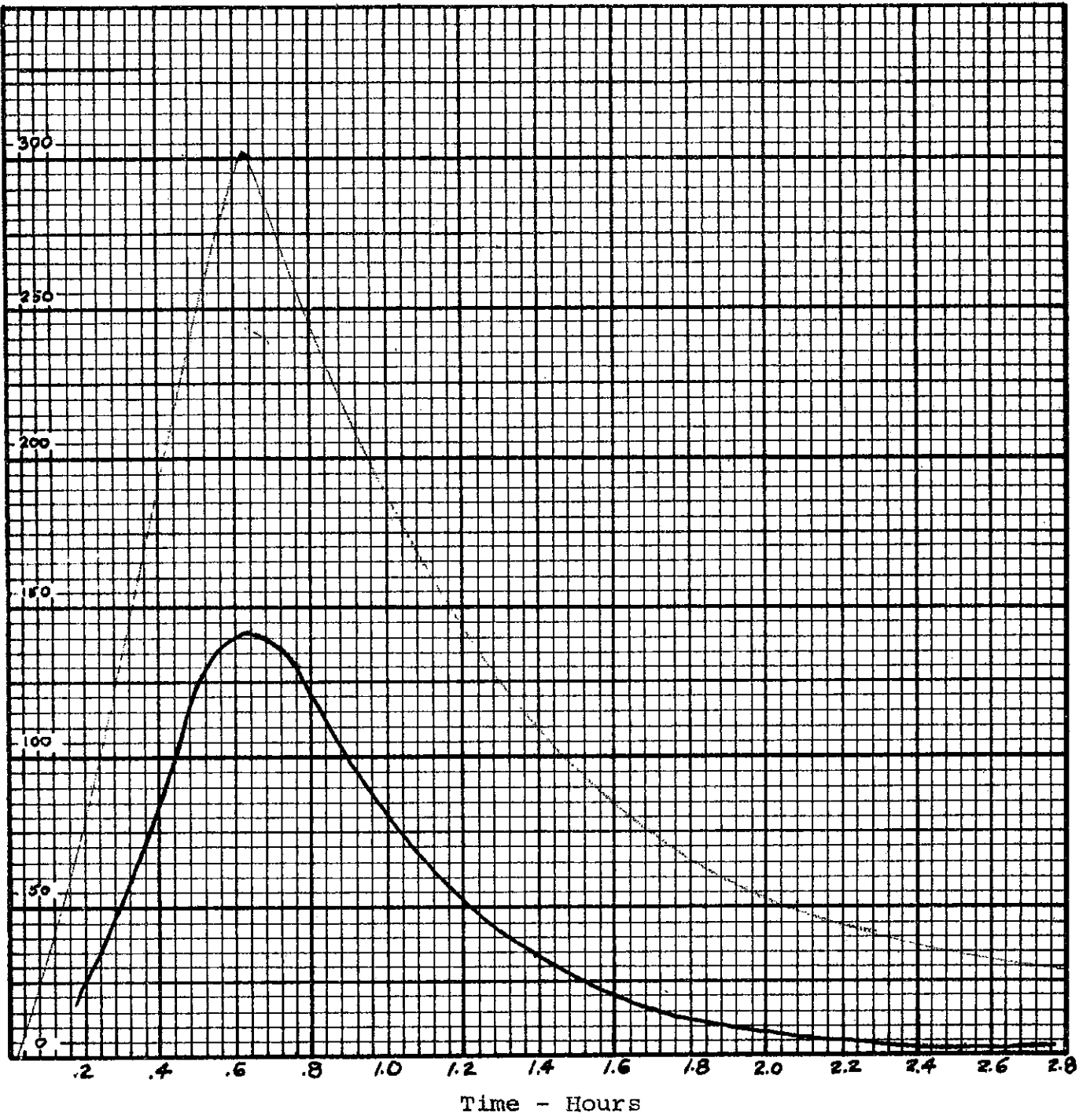
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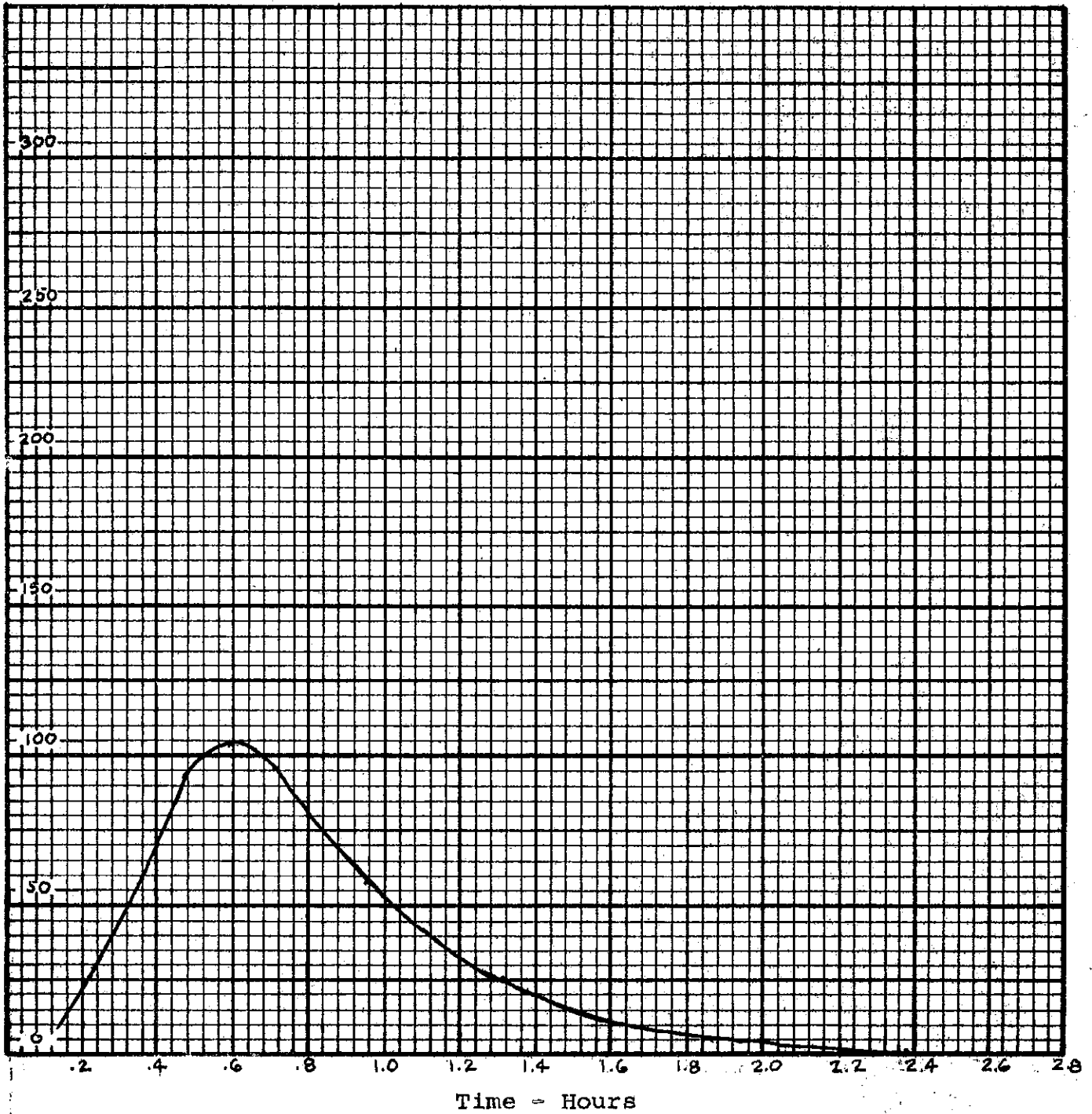
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COLORADO SPRINGS, COLORADO



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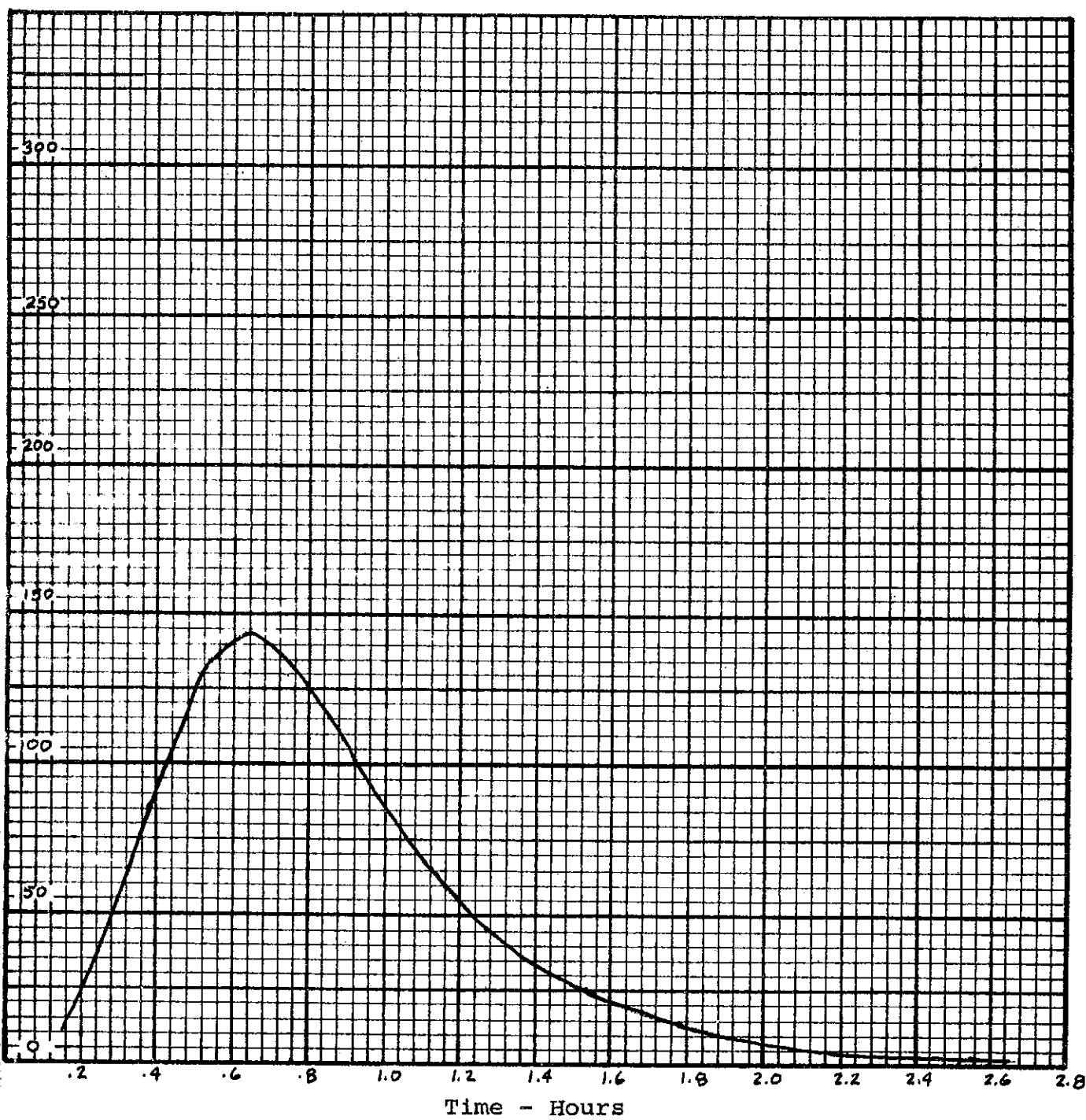




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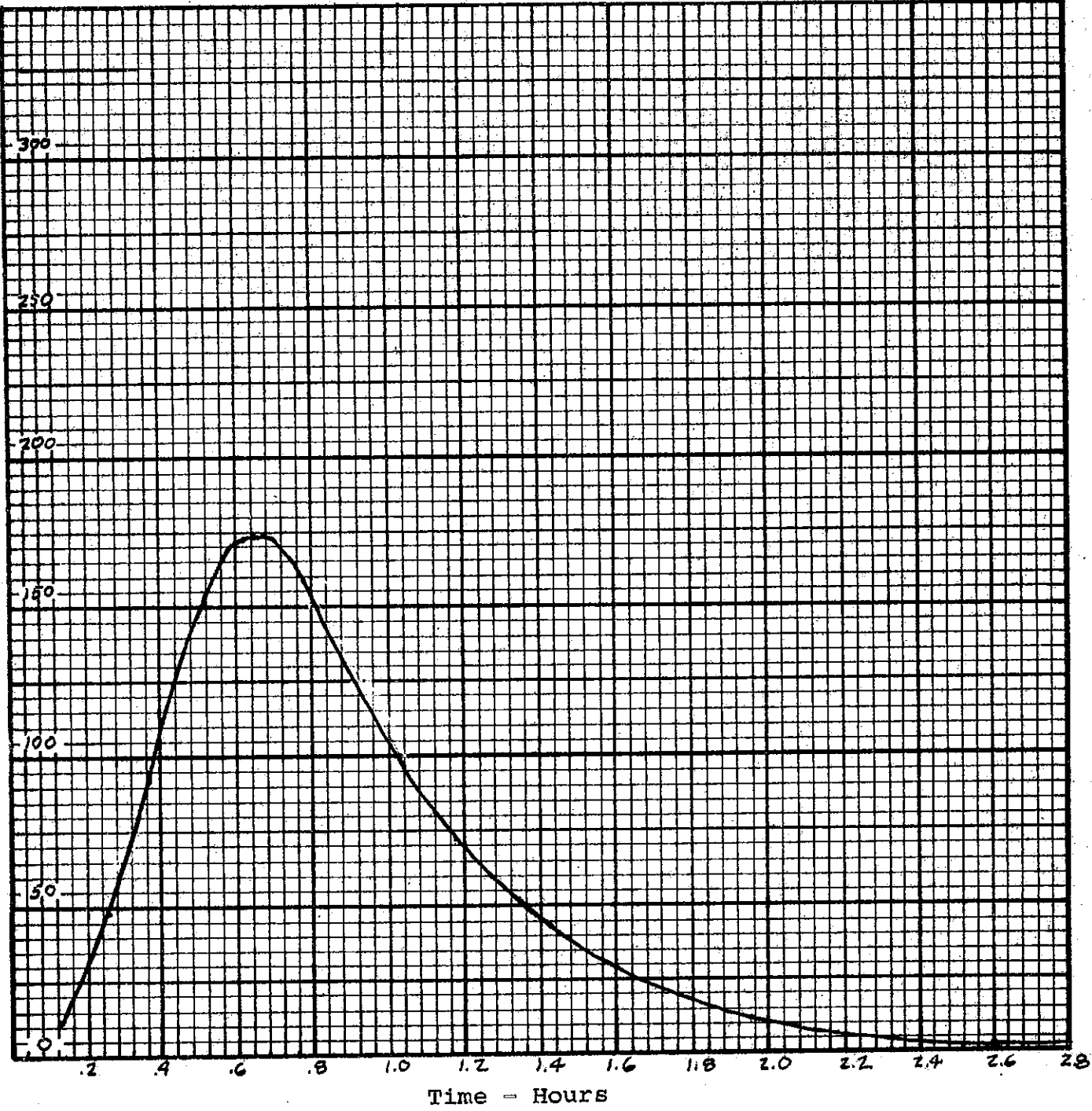
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COLORADO SPRINGS, COLORADO





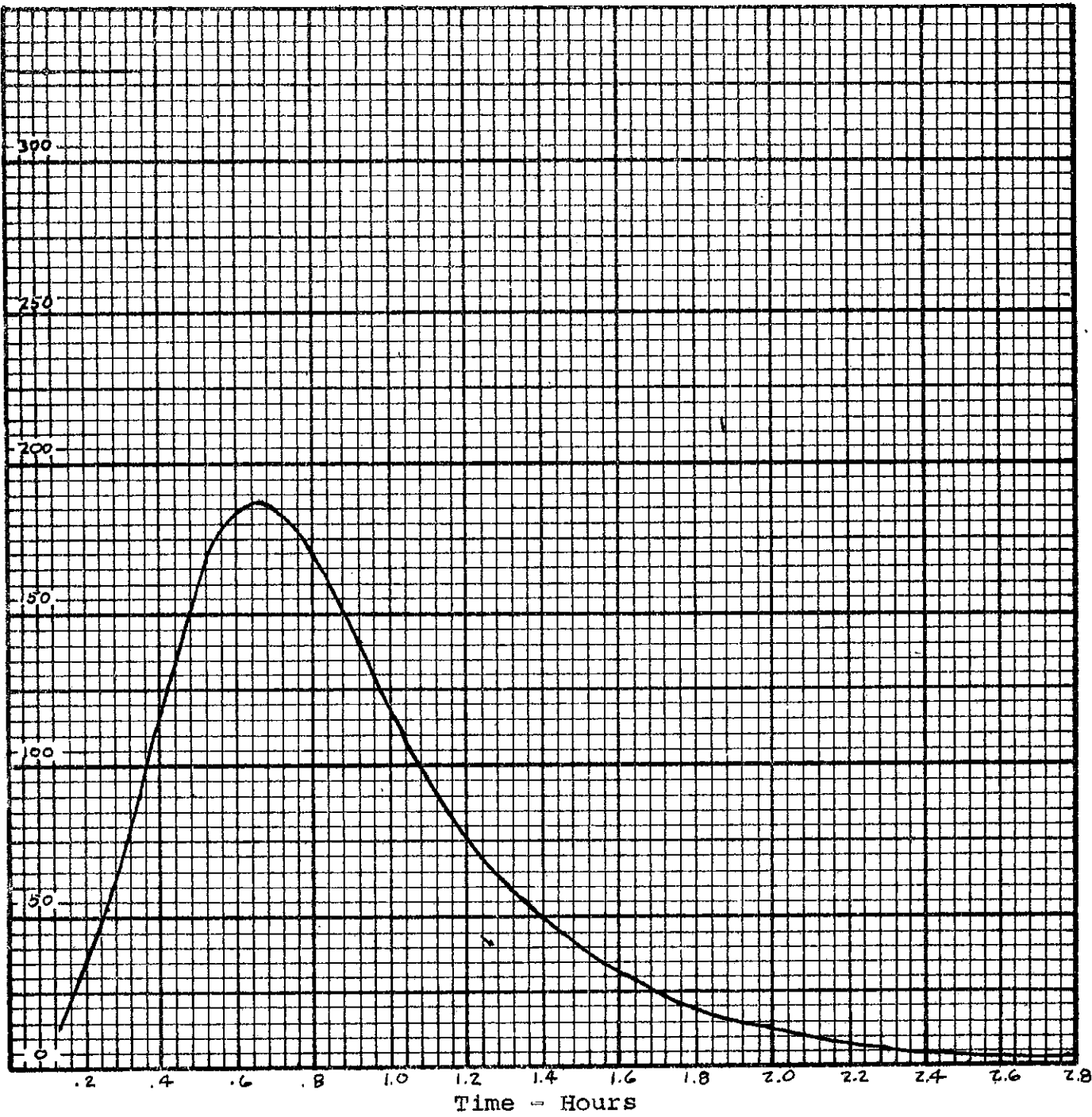
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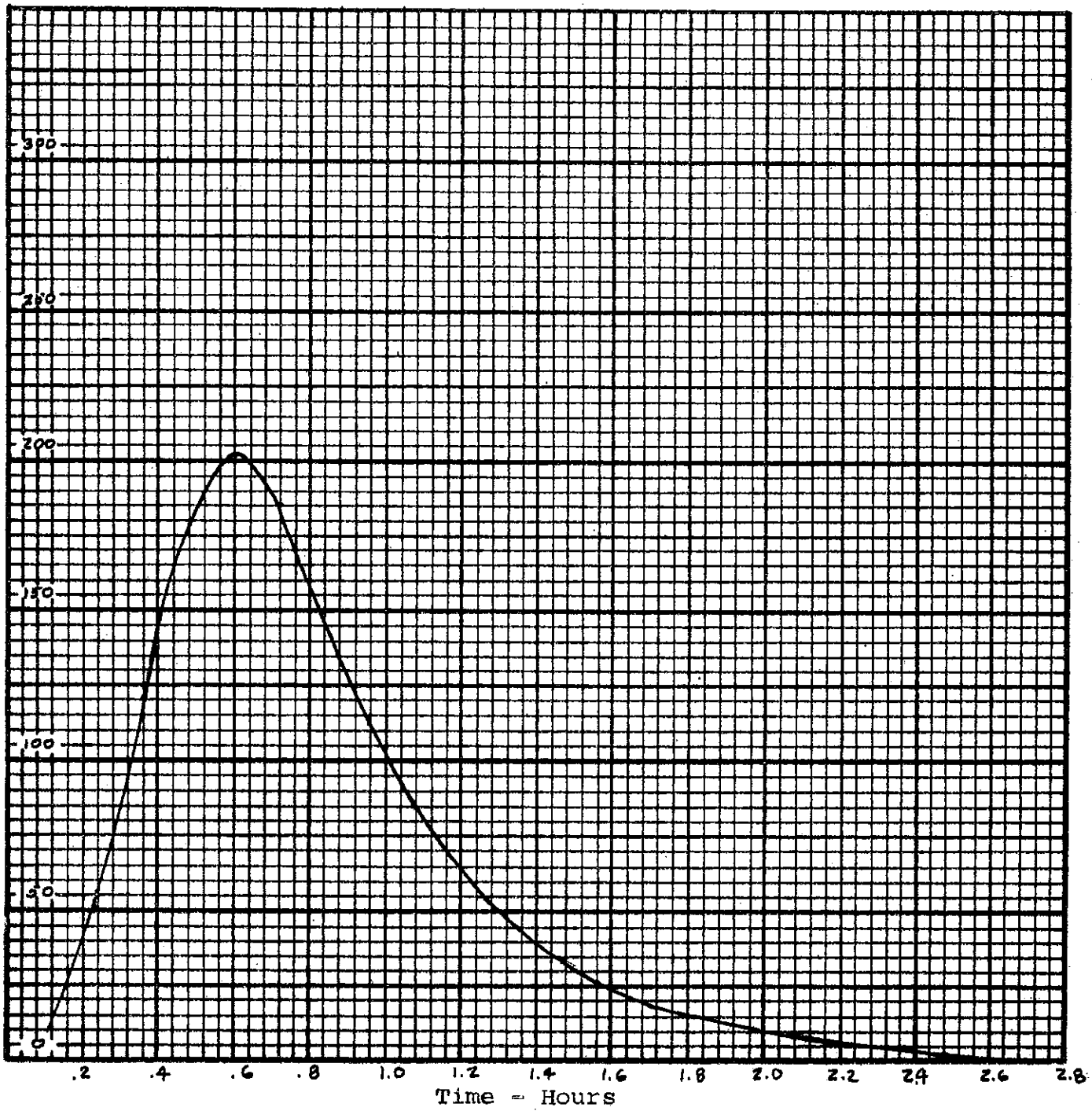
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COLORADO SPRINGS, COLORADO



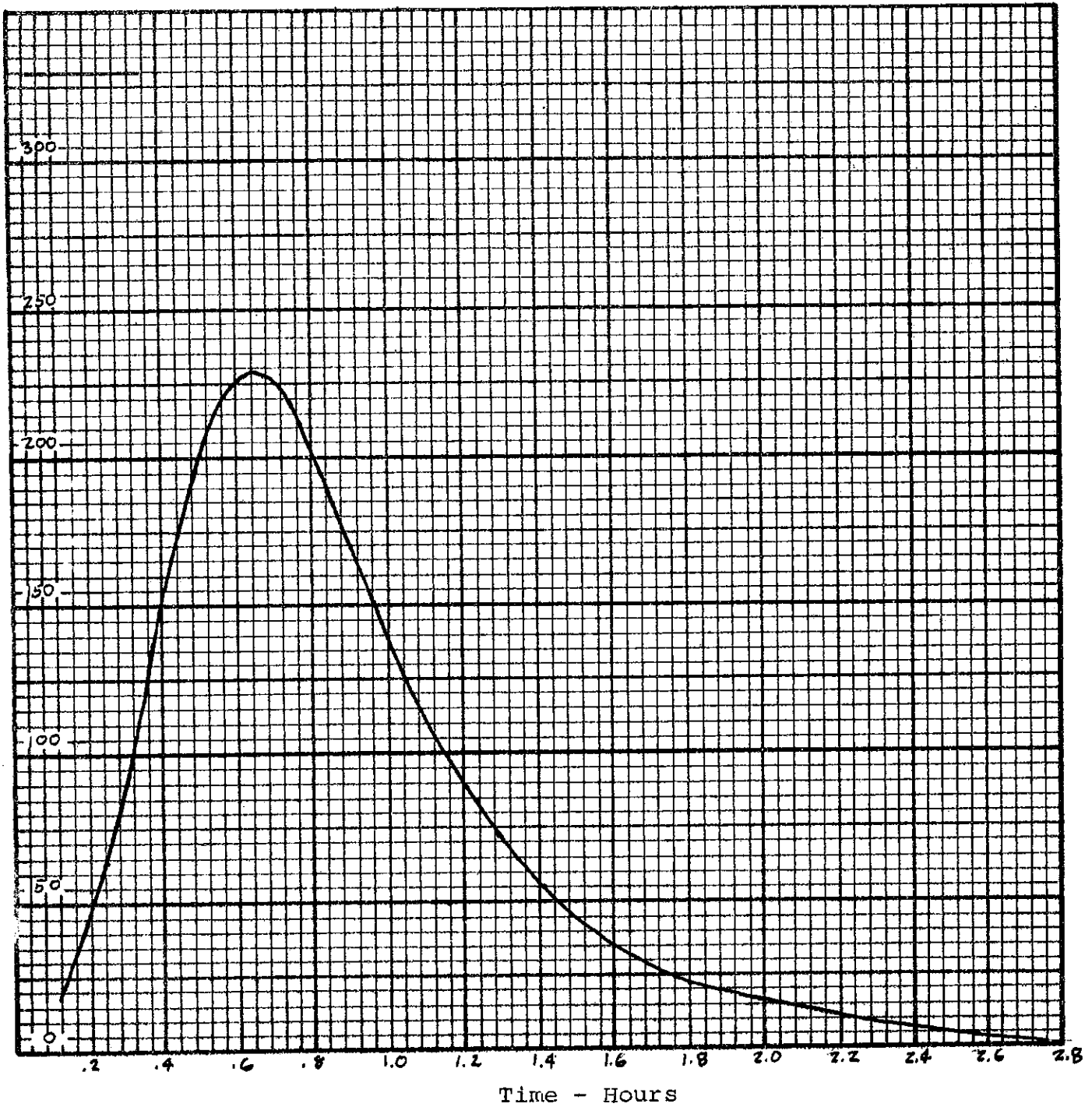
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UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO



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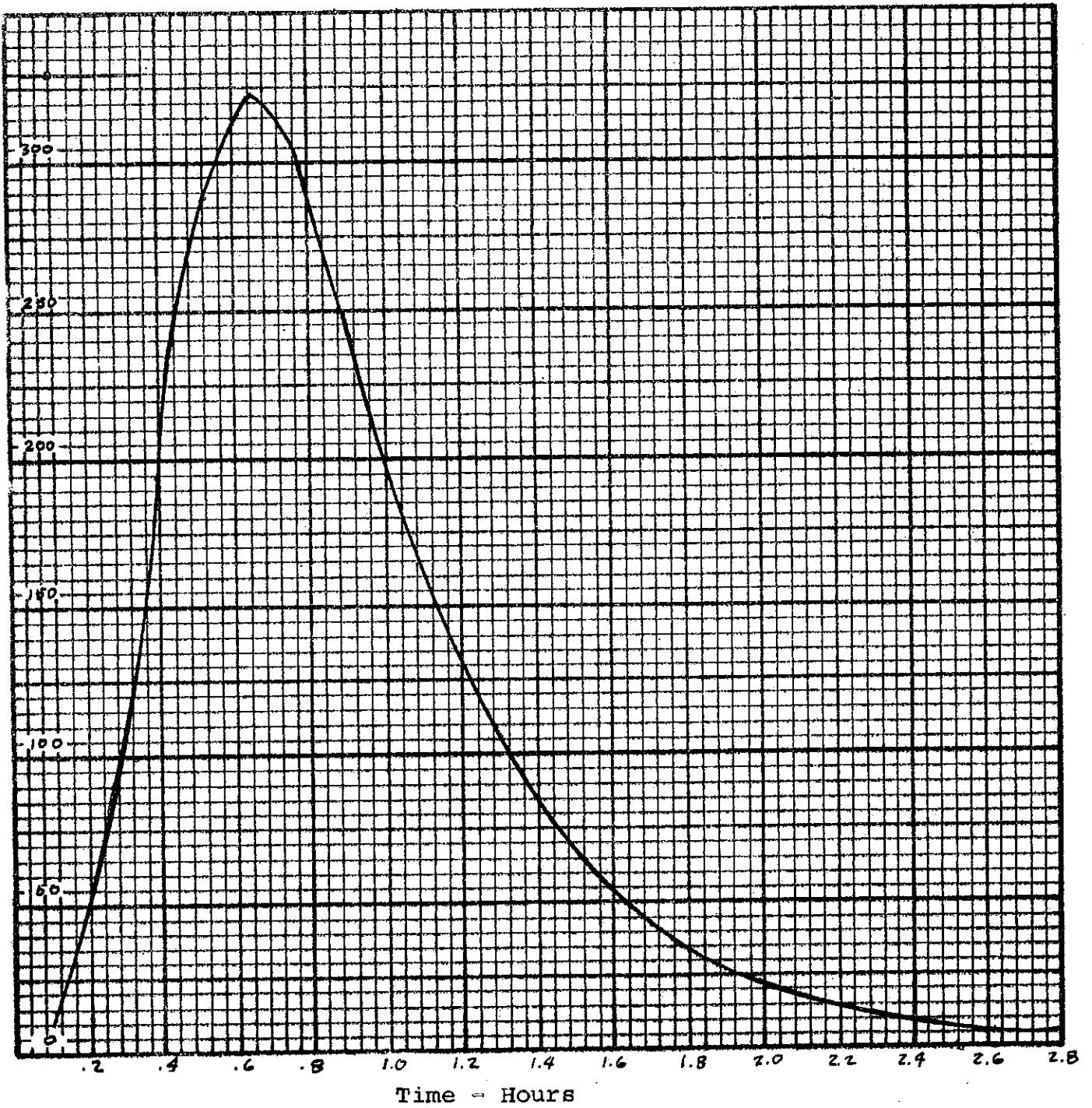
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COLORADO SPRINGS, COLORADO



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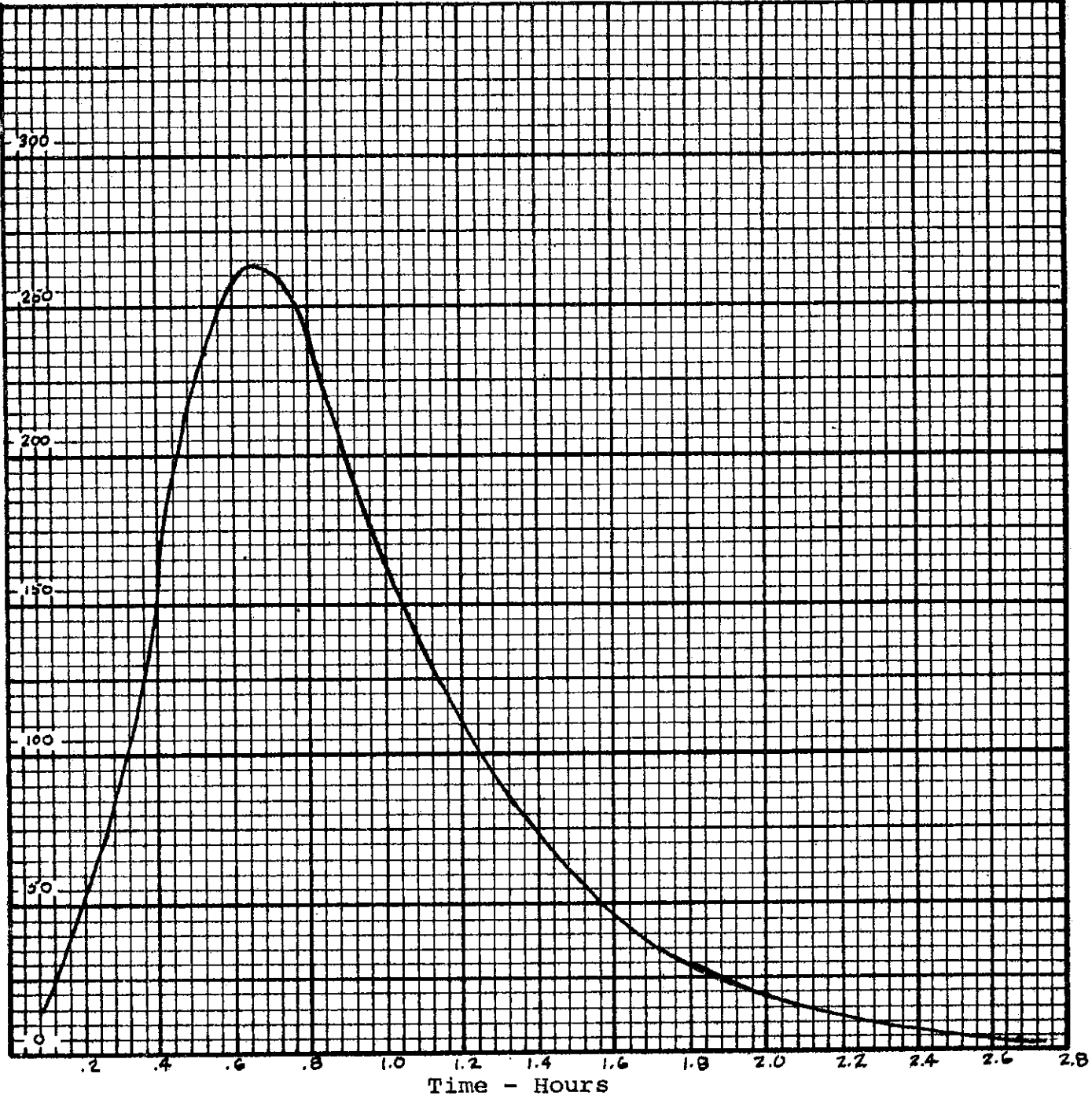
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COLORADO SPRINGS, COLORADO





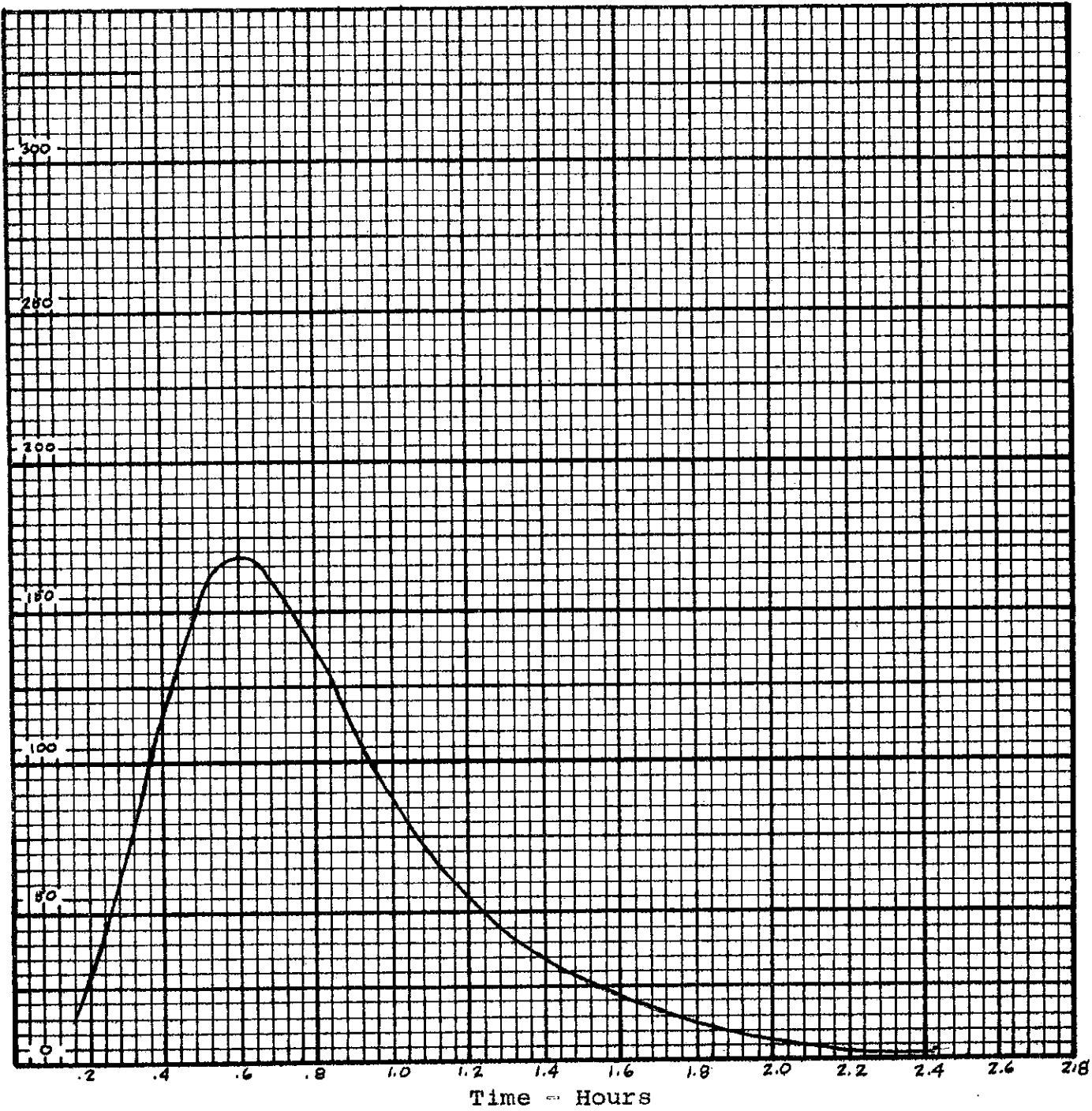
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COLORADO SPRINGS, COLORADO



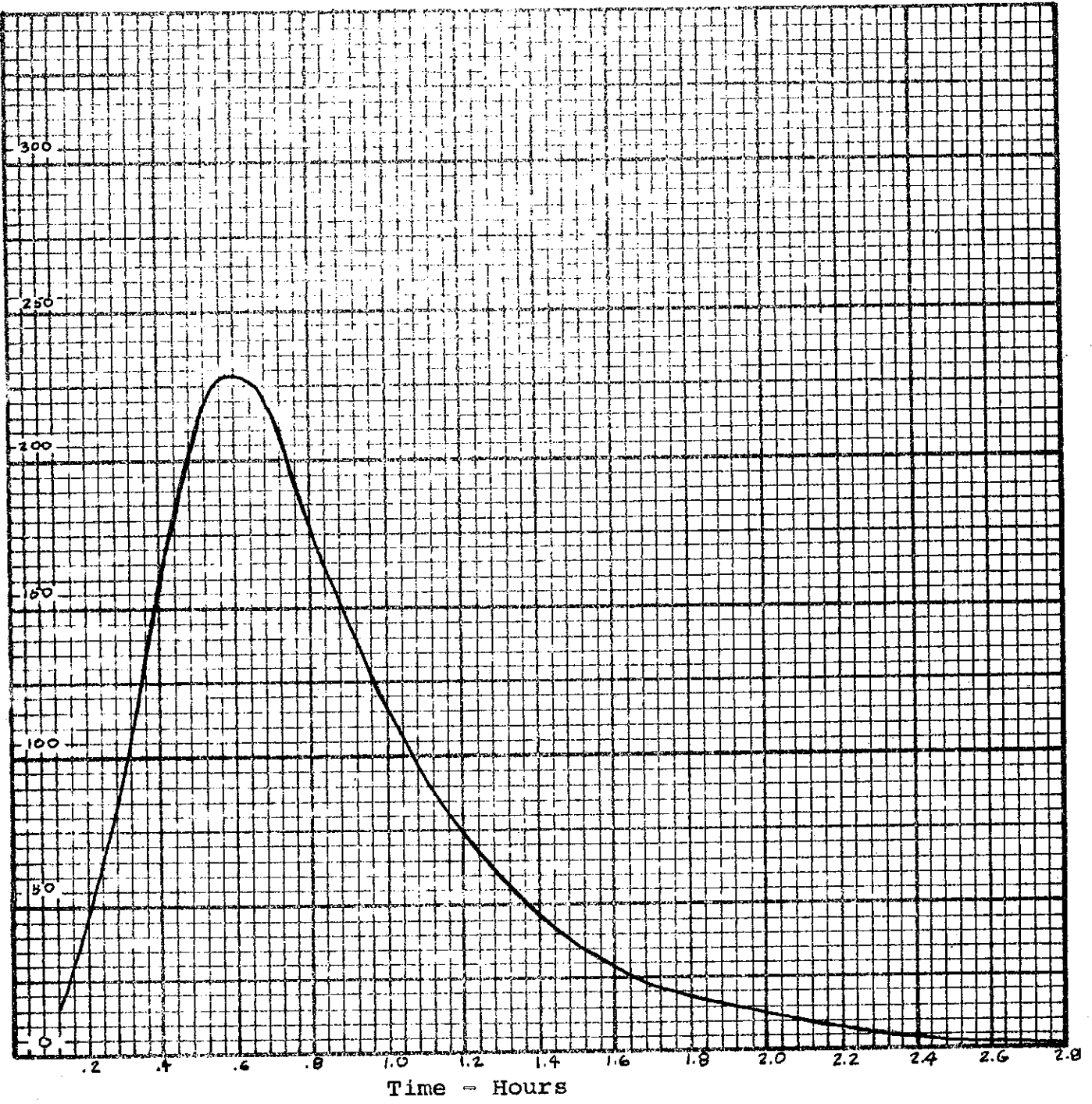
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COLORADO SPRINGS, COLORADO



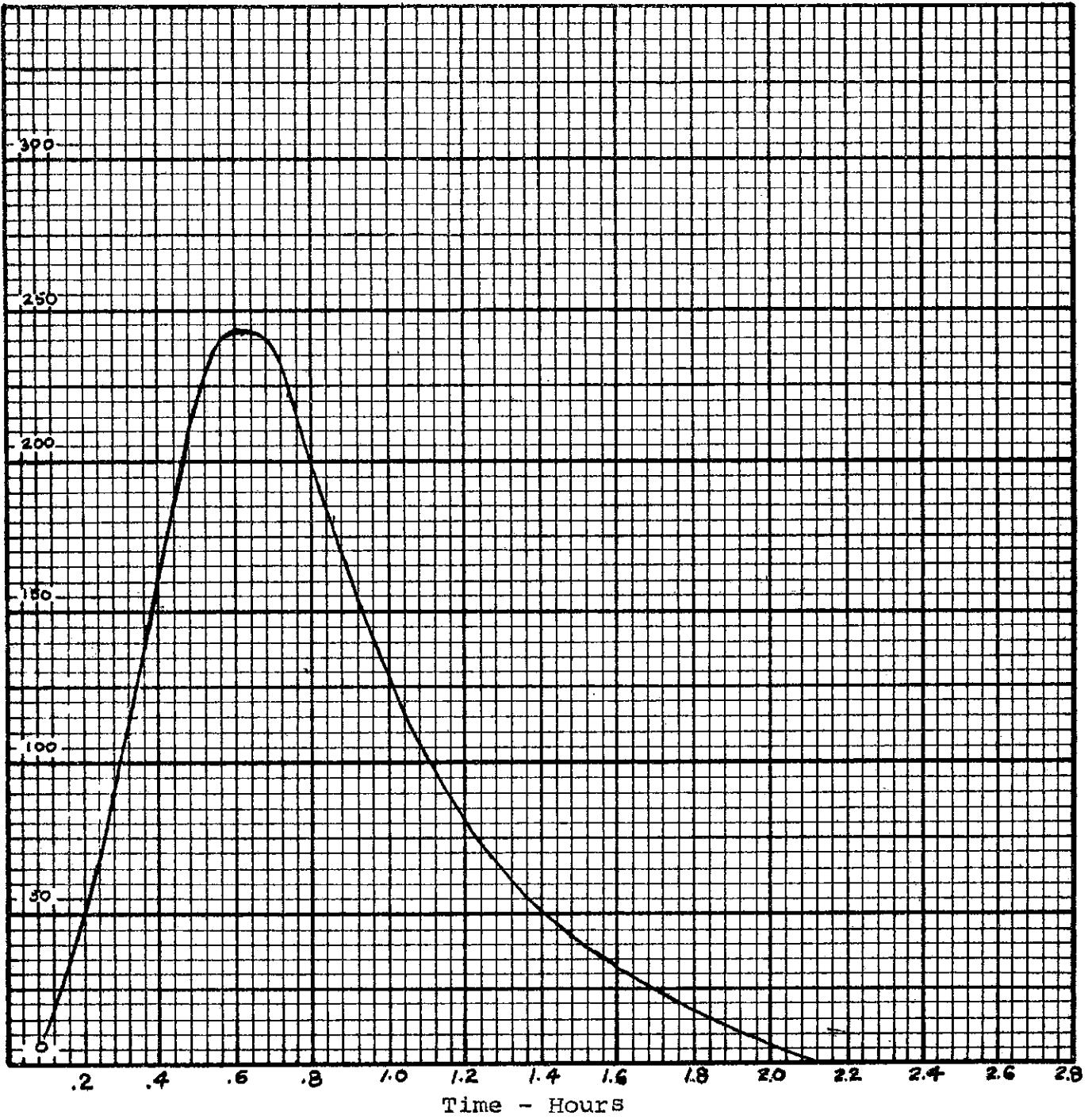
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UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO



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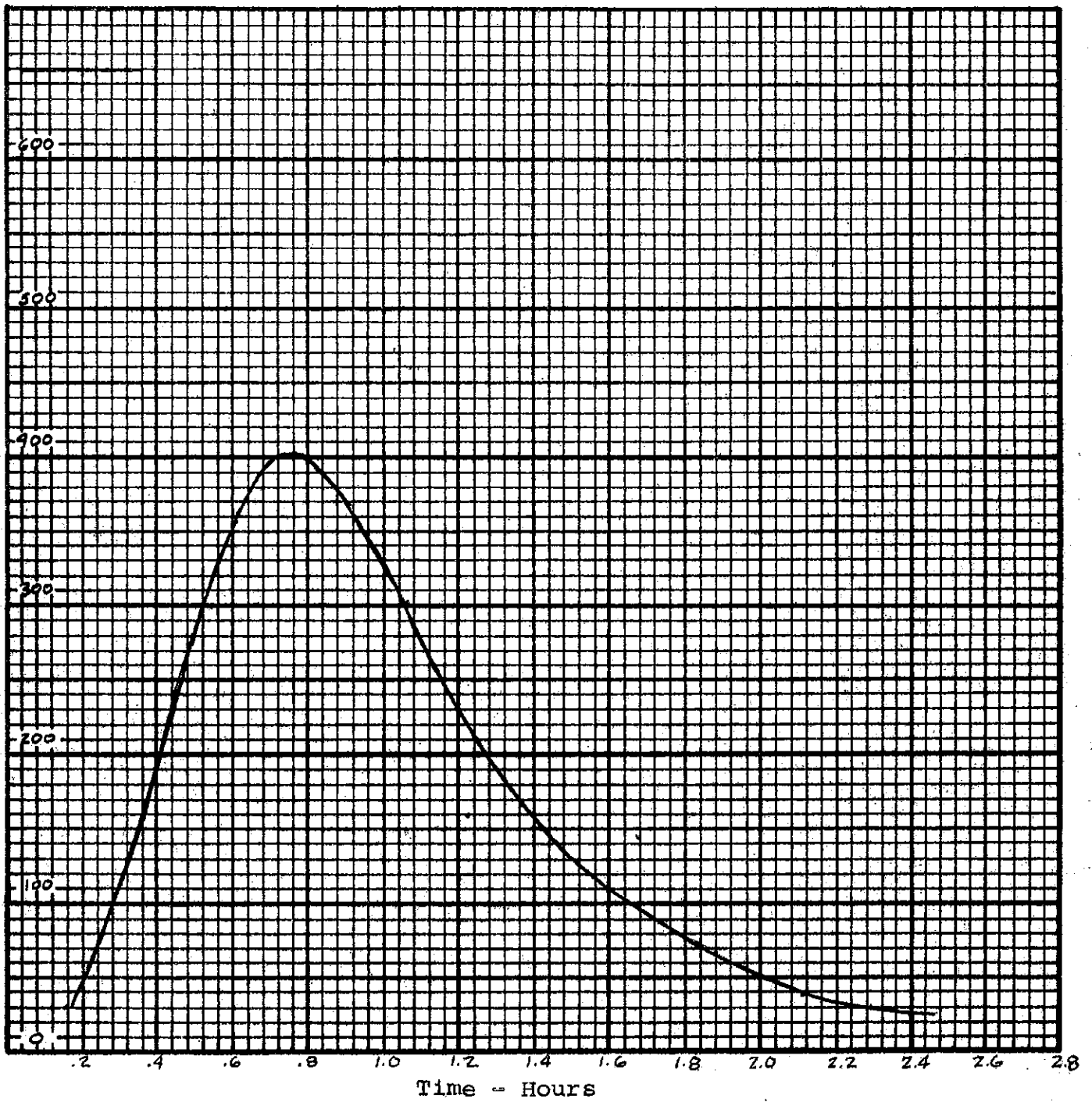
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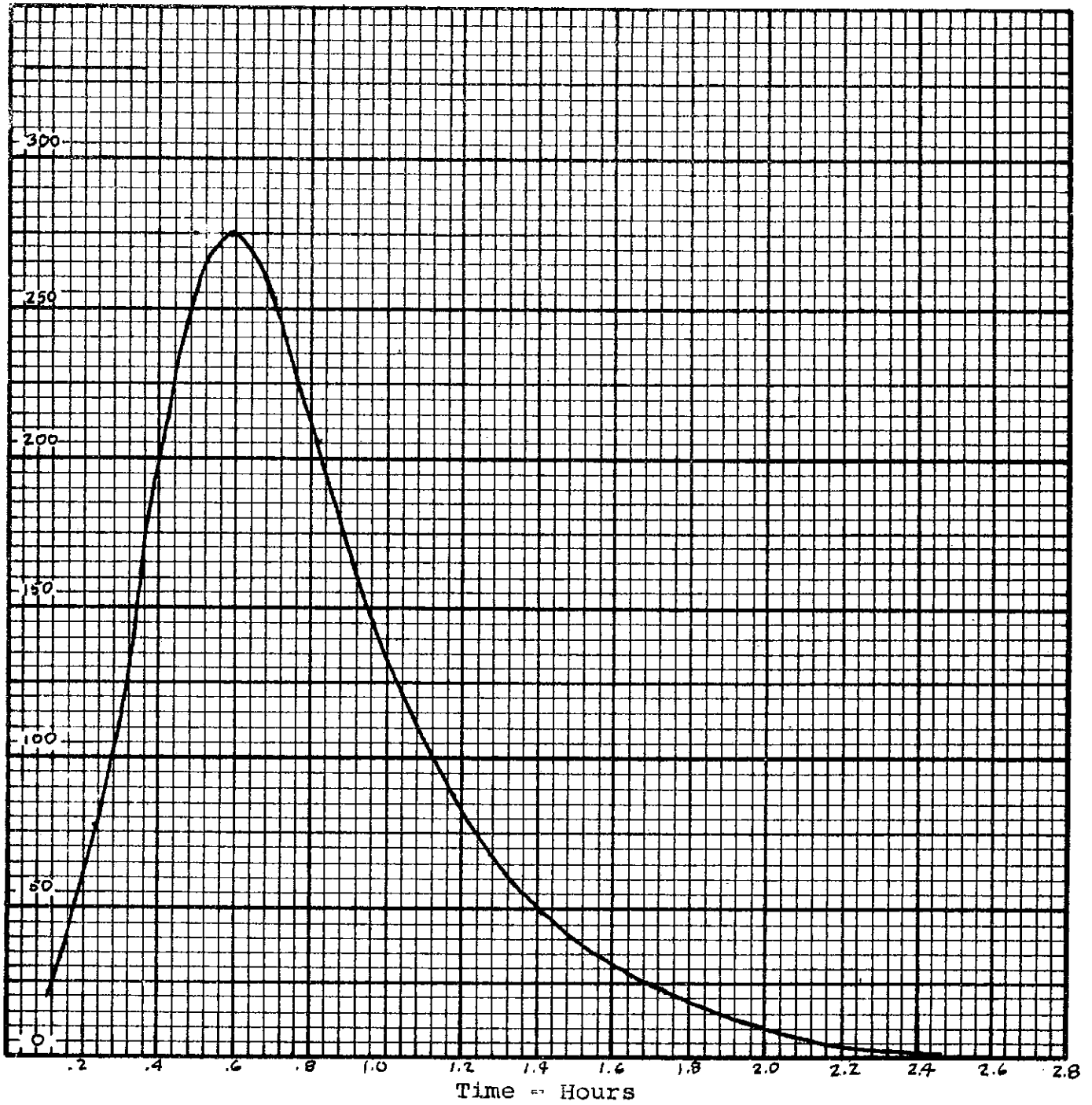
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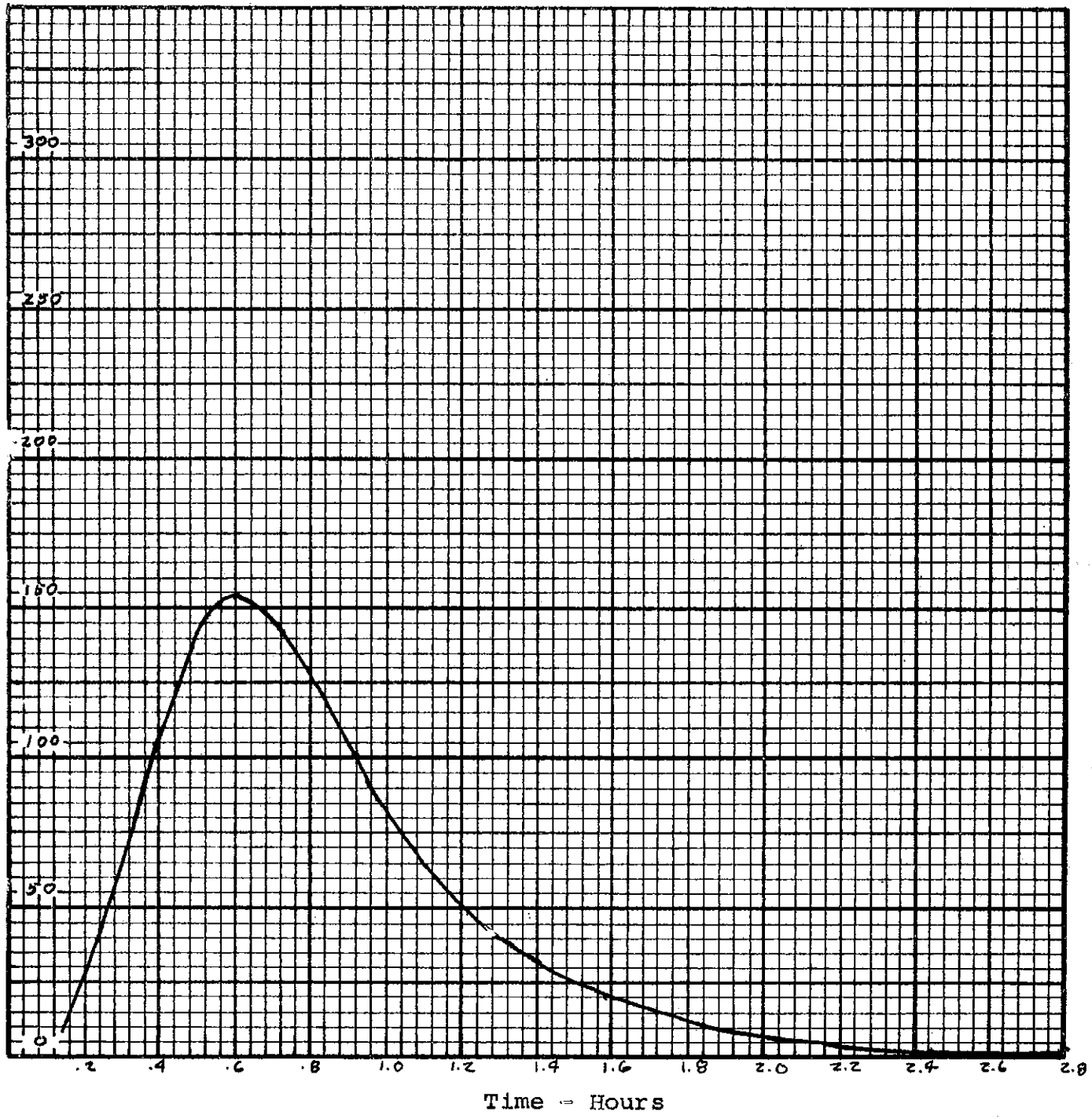
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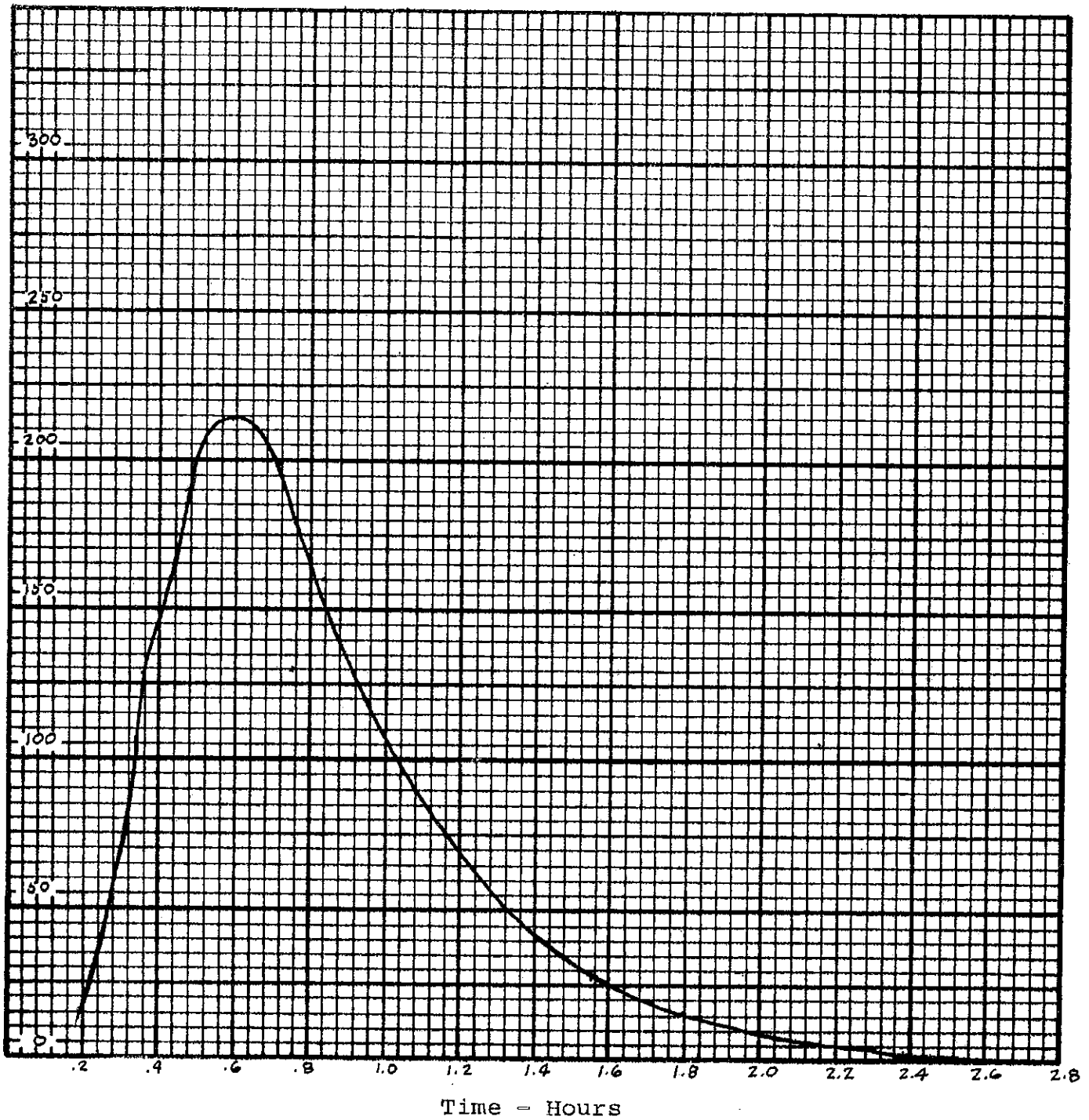
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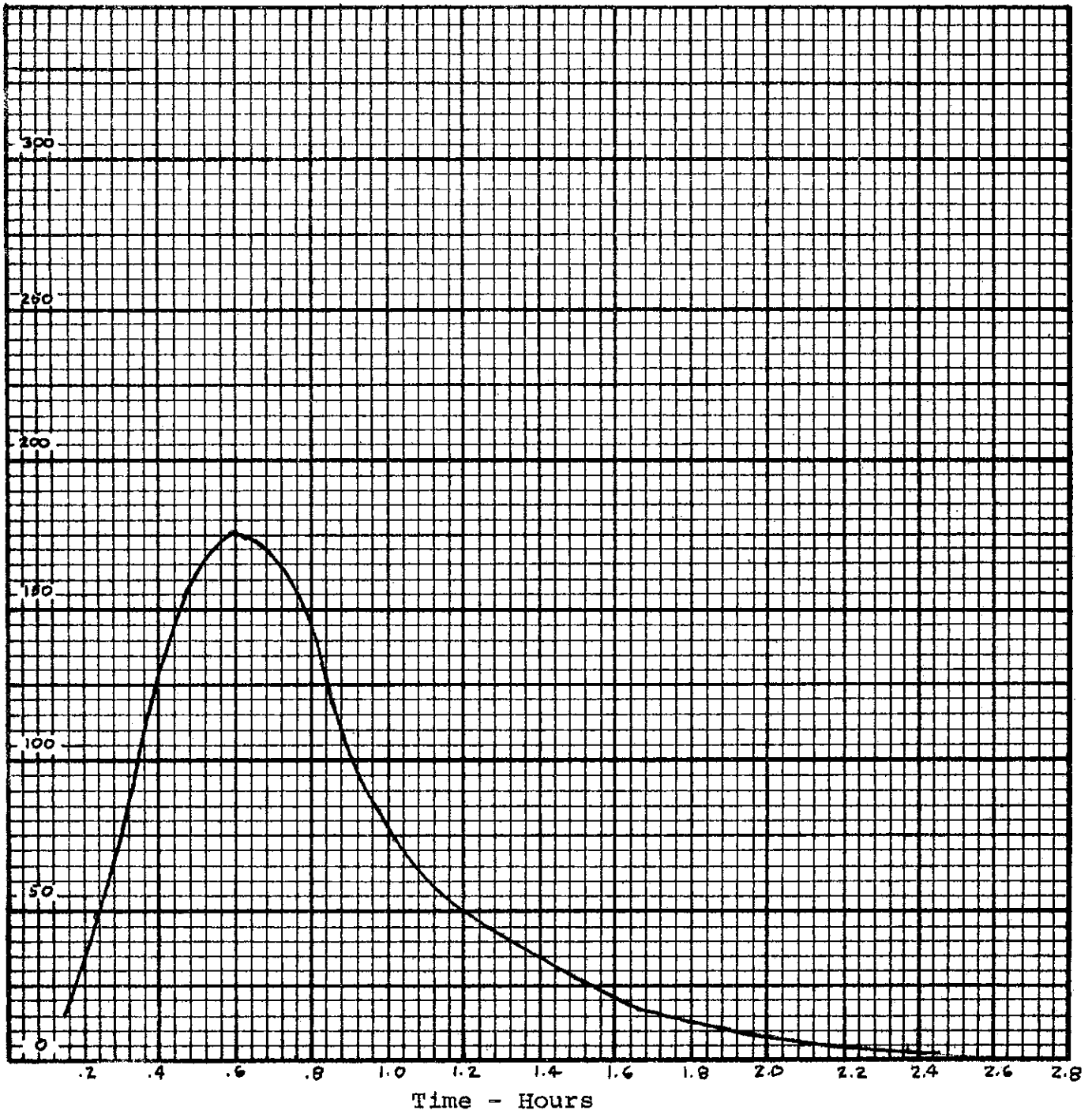
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COLORADO SPRINGS, COLORADO



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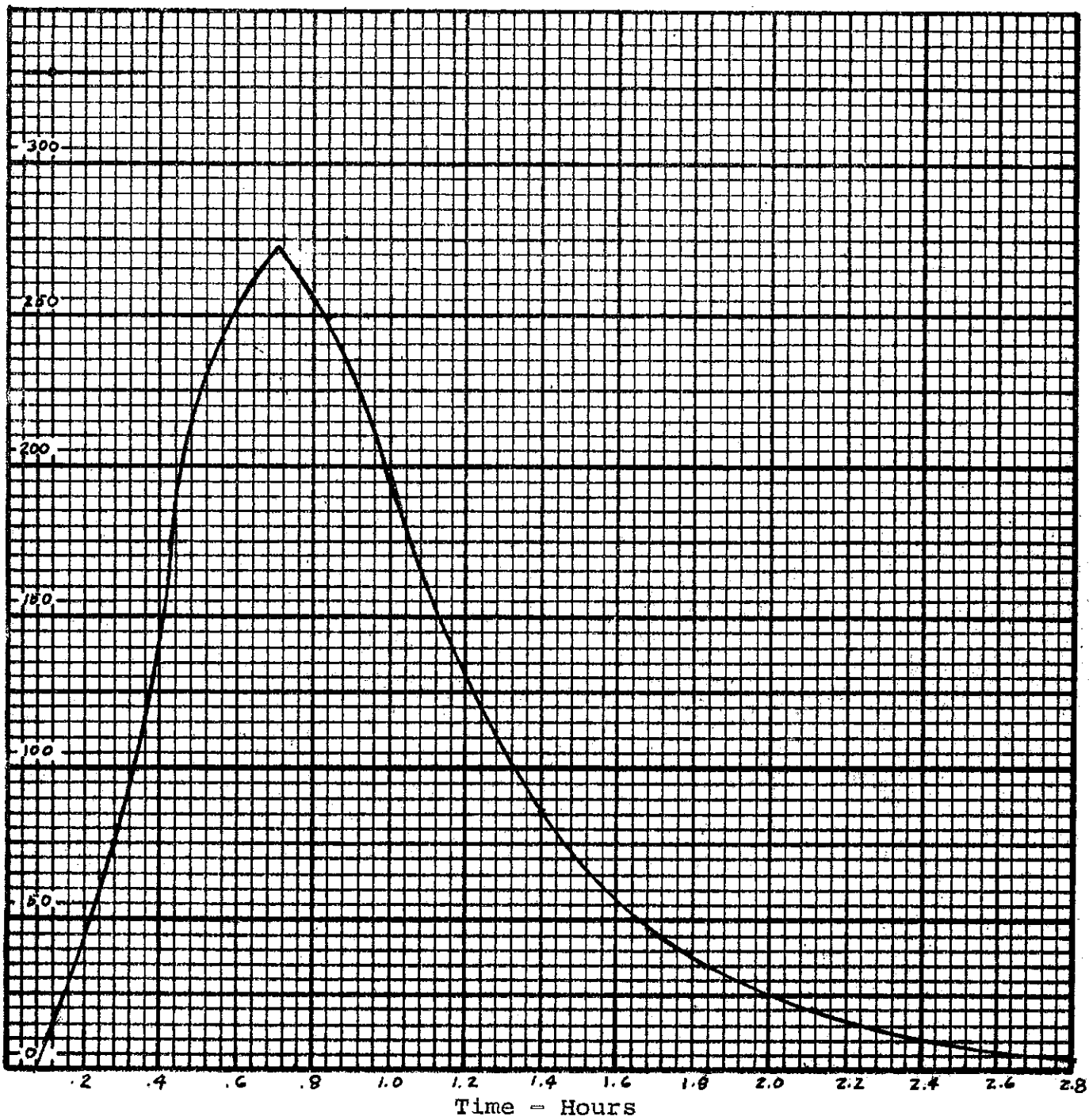
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COLORADO SPRINGS, COLORADO



MINOR BASIN # 86

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COLORADO SPRINGS, COLORADO





MINOR BASIN # 90

UNITED WESTERN ENGINEERS  
COLORADO SPRINGS, COLORADO