# K-Ar ages of the Blind Mountain stock and Yuba Dike, Lincoln County, Nevada

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Isochron/West was published at irregular intervals from 1971 to 1996. The journal was patterned after the journal *Radiocarbon* and covered isotopic age-dating (except carbon-14) on rocks and minerals from the Western Hemisphere. Initially, the geographic scope of papers was restricted to the western half of the United States, but was later expanded. The journal was sponsored and staffed by the New Mexico Bureau of Mines (now Geology) & Mineral Resources and the Nevada Bureau of Mines & Geology.



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### SHORT NOTES

## K-AR AGES OF THE BLIND MOUNTAIN STOCK AND YUBA DIKE, LINCOLN COUNTY, NEVADA

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The following two K-Ar age determinations were run by Geochron Laboratories, Inc., for the Nevada Bureau of Mines and Geology, on mineral separates prepared by J. B. Murphy from samples supplied by the author. Analytical methods used by Geochron Laboratories were described in Isochron/West, No. 1 (January 1971), p. 9; constants used in age calculations are  $\lambda_{\varepsilon} = 0.585 \times 10^{-10}/\text{yr}$ ;  $\lambda_{\beta} = 4.72 \times 10^{-10}/\text{yr}$ ;  $K^{40}/K$  total = 1.22 x  $10^{-4}$  gm/gm.

### 1. G-A1674/NBM-AD40

K-Ar

(hornblende) 34.9±3.3 m.y.

Blind Mountain stock. Biotite-hornblende quartz monzonite (SE/4 Sec. 31, T2N, R60E; SW corner of stock, from first bold outcrop on right side of road from Manhattan Gap to Simpson Spring; Lincoln Co., NV). Analytical data: K = 0.49%; År  $^{40} = 0.00124$  ppm; År  $^{40}/\Sigma Ar^{40} = 17\%$ , 20%. Collected by: W. P. Johnston, Reno.

### 2. G-M1675/NBM-AD41

K-Ar

(sericite) 94.4±3.2 m.y.

Yuba dike. (SE/4 Sec. 22, T1N, R67E; on 800 level 259 ft. E of Combined Metals No. 1 shaft; Lincoln Co., NV). Dike is completely altered to sericite and clay. Analytical data: K = 4.43%;  $\text{År}^{40} = 0.0306$  ppm;  $\text{År}^{40}/\Sigma \text{Ar}^{40} = 72\%$ , 73%. Collected by: P. Hulse, mining engineer, Pioche, NV. Comment: This highly-altered dike is closely associated with mineralization; the metallization appears to be either contemporaneous or younger than the alteration.