

Miscellaneous K-Ar ages of Nevada intrusive rocks

John Schilling

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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

MISCELLANEOUS K-AR AGES OF NEVADA INTRUSIVE ROCKS

John H. Schilling
Nevada Bureau of Mines

The following age dates are not expected to appear elsewhere in print, and thus are listed here. They were run by Geochron Laboratories, Inc. for the Kennecott Research Center, Salt Lake City. The constants used are: $\lambda_{\alpha} = 0.585 \times 10^{-10}/\text{yr}$; $\lambda_{\beta} = 4.72 \times 10^{-10}/\text{yr}$; $K^{40}/K_{\text{total}} = 1.22 \times 10^{-4}$ gm/gm.

G-BO464 K-Ar (biotite) 111±4 m.y.

Mickey Pass pluton. Medium-grained quartz monzonite (38°58'20"N, 119°14'15"W; SE/4 Sec. 24, T13N, R24E; just S of Mickey Pass, in the Singatese Range; Lyon Co., NV) locally containing porphyry-copper-type mineralization. Intrudes a larger body of granodiorite. Analytical data: K = 6.10%; $\overset{*}{\text{Ar}}^{40} = 0.0498$ ppm. Collected by: G. J. Stathis, Kennecott Copper Corp. Comment: compare with G-B0446 below.

G-BO446 K-Ar (biotite) 110±3 m.y.

Dike. Porphyritic quartz diorite (38°58'20"N, 119°14'15"W; SE/4 Sec. 24, T13N, R24E; just S of Mickey Pass in the Singatese Range; Lyon Co., NV). One of a number of dikes that intrude the Mickey Pass pluton (see G-BO464 above), granodiorite, and copper mineralization. Analytical data: K = 5.24%; $\overset{*}{\text{Ar}}^{40} = 0.0422$ ppm. Collected by: G. J. Stathis, Kennecott Copper Corp.