

## DATES FROM KINISHBA PUEBLO

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The series of dates presented in this report were obtained from specimens secured by the field expeditions of the Arizona State Museum and the Department of Archaeology of the University of Arizona under the direction of Dr. Byron Cummings during the summers of 1932 and 1933. The writer was a member of both expeditions, and aided in securing the specimens, and had charge of preservation and care of them.

The pueblo of Kinishba is a large community house structure situated about three miles northwest of the town of Fort Apache, Arizona, on the Whiteriver Indian Reservation. From pottery types, implements, architecture, and other features, the pueblo was placed in late Pueblo III or early Pueblo IV period of Southwestern culture, and the dates obtained have since been published. Dr. Florence Hawley gathered a quantity of charcoal specimens from this pueblo during the summer of 1931, and secured dates in the latter part of the 13th century. These dates have never been published, however, so the writer has taken this opportunity to give to other archaeologists the dates he has obtained for this prehistoric site.

From the excavation of this pueblo a great many specimens were obtained, mainly in the form of charcoal. Most of these specimens were pine and juniper, with some pinon and a few Douglas fir. The Douglas fir and some of the pine were readily dated, but the pinon and juniper have yielded little information, being very erratic as a rule. Many of the pine specimens show very complacent ring records, indicating that they probably had grown along the bottom of White River valley.

The dates given here are from specimens secured from four different rooms excavated in the southern section of the pueblo, of which some 80 rooms have been uncovered. Specimen FA 21, a Douglas fir, gave an excellent record of the Great Drought from 1276 to 1299, showing rings 1276, 78, 80, 83, 86, 88, 95, 97, and 1299 as very small, several being microscopic.

In conclusion the writer wishes to express his thanks to Dr. A. E. Douglas for his kindness in checking all the dates given in this report.

Room Number	Piece Number	Outside Dated Ring	Inside Dated Ring	Approx. Radius in MM	Kind of Wood	Type of Specimen	Estimated Rings Lost at Outside	No. Absent in Series	Bark Date
<b>KINISHBA</b>									
28	FA 8	1236	1196	35	YP	¼ S	Few	1	1240 ± 4
28	FA 11	1233	1197	23	YP	⅙ S	Few	1	1238 ± 5
30	FA 19	1266	1190	37	DF	¼ S	Consid	0	1286 ± 20
44	FA 20	1285	1214	51	DF	¼ S	0	1	1285
44	FA 21	1301	1248	36	DF	¾ S	Few	0	1306 ± 5
44	FA 23	1285	1250	20	DF	Frg	0	1	1285

Frg—fragment  
S—section.