

TABLE 1b. RING TYPE OF DATED SPECIMENS NUMBERED BE 169 TO 309.

BE Number	Quality	MFA	BE Number	Quality	MFA	BE Number	Quality	MFA
169	A		220	AA		268	B	
170	A		220 _x	A		269	A	*
171	A		221	BC		271	A	
171A	A		222	BC		272	A	
174	AB		223	A	*	273	A	*
177	A	*	224	AB		274	A	
178	A		226	A?		275	A	
180	A		228	A		276	A	*
183	A	*	231	A		277	A	
184	A		232	AB		278	AB	
185	A		233	A		279	AB	*
187	A		234	A	*	280	AA	*
189	AB		236	B		281	BC	*
190	A		238	A	*	284	AB	
192	A	*	239	A		285	AB	
194	B		240	A		286	B	
200	A		241	A		287	A	*
201	A		242	AB		288	A	
202	A		244	A		289	A	
203	B		245	AB		290	A	
204	A		249	A		291	A	
205	AB		250	A	*	293	B	
206	B		251	AA	*	294	A	*
207	B		252	A		295	A	*
208	AB		253	A	*	296	BC	*
210	AB		254	BC		297	A	
211	AB		255	B		298	A	
213	AB		256	AB		299	A	*
214	AB		257	A		300	AB	
215	A	*	261	A		301	A	*
216	AA		262	A	*	304	A	*
217	B		264	A	*	307	B	
218	AA		265	A	*	308	AB	
219	A		267	A		309	A	

THIRD REPORT¹ ON HOPI SPECIMENS:
COLLECTIONS OF SECOND BEAM EXPEDITION, 1928.

ALFRED PETERSON

Site: All from Oraibi.

BE Spec. Number	Outside Dated Ring	Inside Dated Ring	Radius, mm.	Species by Microsc. Test	Form of Specimen	Date of Sap-Heart Contact	Estimated Rings Lost at Outside	Number Absent in Series	Estimated Bark Date ²
169	1572	1536	34	DF	½ Sec.	1551	10±5	0	1582±5
170	1754	1649	56	DF	Sq. Cut	1718	0	0	1754
171	1464	1337	66	DF	Core	1420	0	3-4	1464±2
171A	1515	1466	33	DF	Core	1513	30±10	1	1545±10
174	1712	1651	48	DF	Core	1681	3±2	0	1715±2
177	1635	1537	63	DF	¼ Sec.	1592	2±2	0	1637±2
					All				
178	1380	1320	89	DF	V-Cut	Heart	30±10	0	1410±10
180	1691	1648	30	DF	⅓ Sec.	1667	1±1	0	1692±1
183	1564	1324	177	DF	Core	No ³	15±15	7	1579±15
184	1621	1419	153	Pine	Core	No ?	30±30	5	1651±30
185	1730	1621	99	DF	Core	1682	0	0	1730
187	1723	1609	94	DF	Core	No ?	15±15	0	1738±15
189	1630	1479	140	Pine	Core	No ?	30±30	15 ³	1660±30

BE Spec. Number	Outside Dated Ring	Inside Dated Ring	Radius, mm.	Species by Microsc. Test	Form of Specimen	Date of Sap-Heart Contact	Estimated Rings Lost at Outside	Number Absent in Series	Estimated Bark Date ²
190	1378	1285	105	DF	Core	All Heart	30±5	1	1408±5
192	1610±5	1418	64	DF	Core	1555	10±10	10±	1620±15
194	1689	1645	84	DF	Core	1681	25±5	0	1714±5
200	1475	1344	67	DF	¼ Sec.	All Heart	30±20	4	1505±20
201	1710	1578	122	DF	Core	1692	15±5	4	1725±5
202	1566	1465	85	DF	Core	All Heart	30±5	0 or 1	1596±5
203	1520	1405	105	Pine	Core	No	30±30	2	1550±30
204	1547	1312	145	Pine	Core	No	30±30	4	1577±30
205	1619	1462	143	Pine	Core	No	30±30	3	1649±30
206	1601-2	1462	145	Pine	Core	1535?	30±30	3	1631±30
207	1556	1479	117	Pine	Core	1507	15±15	4	1571±15
208	1562	1499	112	Pine	Core	No	30±30	0	1592±30
210	1621	1505	70	Pine	1/5 Sec.	All Heart	60±20	2	1681±20
211	1702	1648	39	DF	¾ Sec.	No	3±3	0	1705±3
213	1532	1469	98	Pine	Core	All Heart	60±10	1	1592±10
214	1550	1488	113	Pine	Core	1534?	44±20	0	1594±20
215	1629	1485	155	DF	Core	1577	0	0	1629
216	1619	1495	99	DF	Sec.	1581	8±8	6	1627±8
217	1424	1358	67	DF	Core	All Heart	30±10	0	1454±10
218	1543	1511	48	DF	½ Sec.	1527	14±5	0	1557±5
219	1710	1660	85	DF	Core	1684	5	0	1715±5
220	1562	1517	41	DF	V-Cut	1538	4±4	0	1566±4
220A	1633	1543	68	DF	Core	1595	0?	2	1633
221	1491	1298	85	DF	Sec.	1476?	15±15	3	1506±15
222	1682	1641	80	DF	Core	1660	10±5	0	1692±5
223	1675	1618	85	DF	Core	1656±2	10±5	0	1685±5
224	1491	1320	116	DF	V-Cut	All Heart	30±20	3	1521±20
226	1562	1516		DF?	Sec.	1542	20±20		1582±20
228	1539	1513	34	DF	Sec.	1531	22±5	0	1561±5
231	1528	1462	85	DF	Core	All Heart	30±10	0	1558±10
232	1678	1618	99	DF	Core	1664	16±10	0	1694±10
233	1678±2	1604	32	DF	Sec.	1653	10±10	0?	1688±10
234	1621	1524	84	DF	V-Cut	1583	10±10	1	1631±10
236 ⁴	1323	1300	66	DF	Core	All Heart	35±10	0	1358±10
238	1424	1363	52	DF	Core	All Heart	30±10	0	1454±10
239	1628	1479	75	DF	Core	1580	0?	2	1628
240	1455	1363	50	DF	Core	All Heart	30±10	0	1485±10
241	1563	1530	44	DF	Sec.	1552	20±10	0	1583±10
242	1634	1547	64	DF	Core	1598	5±5	2	1639±5
244	1468	1393	111	DF	Core	All Heart	30±10	0	1498±10
245	1724	1689	40	DF	½ Sec.	1704	2±2	0	1726±2
246	1619	1580	37	DF	V-Cut	1597	5±5	0	1624±5
249	1730	1689	44	DF	Sec.	1705	5±5	0	1735±5
250	1482	1392	75	DF	Core	All Heart	30±10	3	1512±10
251	1531	1485	41	DF	V-Cut	1528	27±10	0	1558±10
252	1598	1574	67	DF	Core	All Heart	30±10	1	1628±10
253	1461	1400	73	DF	Core	All Heart	30±10	0	1491±10
254	1631	1527	93	Pine	Core	1546	0	0	1631
255	1712	1651	74	DF	Sec.	1678	2±2	0	1714±2

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256	1429	1344	65	DF	Core	1425 All	25±5	0	1454±5
257	1490	1439	76	DF	1/8 Sec.	Heart	30±5	0	1520±5
261	1548	1463	135	DF	V-Cut	1532 All	14±5	0	1562±5
262	1550	1508	60	DF	1/4 Sec.	Heart	35±10	0	1585±10
264	1633	1556	75	DF	Core	1597	5±5	0	1638±5
265	1552	1486	38	DF	Sec.	1534	12±5	0	1564±5
267	1513	1419	94	DF	Core	No All	15±15	2	1528±15
268	1365	1320	65	DF	Core	Heart All	30±10	0	1395±10
269	1345	1260	89	DF	Core	Heart All	30±10	0	1375±10
271	1494	1430	63	DF	Core	Heart	30±10	0	1524±10
272	1488	1322	85	DF	Sq. Cut	1478 All	20±10	4	1508±10
273	1490	1424	56	DF	Core	Heart All	30±10	0	1520±10
274	1467	1322	85	DF	1/8 Sec.	Heart	30±10	3	1497±10
275	1579	1535	45	DF	V-Cut	1578	30±10	0	1609±10
276	1756	1614	79	DF	Sec.	1690	5±5	3	1761±5
277	1546	1414	78	DF	Sec.	1530	18±10	5	1564±10
278	1749	1614	51	DF	Core	1700	2±2	0	1751±2
279	1749	1719	39	DF	Core	1742	25±5	0	1774±5
280	1552	1515	31	DF	1/4 Sec.	1542	20±5	0	1572±5
281	1518	1363	92	Pine	Core	1431 All	1±1	4	1519±1
284	1366	1309	76	DF	Core	Heart All	30±10	0	1396±10
285	1557	1494	83	DF	Core	Heart All	30±10	0	1587±10
286	1464	1375	57	DF	Core	Heart	15±15	0	1479±15
287	1686	1612	50	DF	V-Cut	1675	20±10	0	1706±10
288	1706	1665	45	DF	V-Cut	1678 All	3±3	0	1709±3
289	1368	1325	72	DF	Core	Heart	30±10	0	1398±10
290	1564	1525	35	DF	V-Cut	1556 All	20±10	0	1584±10
291	1575	1526	66	DF	Core	Heart	30±10	0	1605±10
293	1392	1330	75	DF	Core	1390	30±10	0	1422±10
294	1674	1603	77	DF	Core	1666	26±10	0	1700±10
295	1690	1620	62	DF	Core	1671	15±10	0	1705±10
296	1625	1416	109	DF	Core	1556 All	3±3	2	1628±3
297	1428	1321	87	DF	Core	Heart All	35±10	0	1463±10
298	1559	1468	85	DF	Core	Heart	30±10	2	1589±10
299	1759	1651	49	DF	V-Cut	1725	1±1	0	1760±1
300	1430	1358	77	DF	Sq. Cut	1420 All	25±10	0	1455±10
301	1400	1305	90	DF	Core	Heart	30±10	0	1430±10
304	1707	1615	90	DF	V-Cut	1694	20±5	0	1727±5
307	1527	1491	64	DF	Core	1516	20±10	0	1547±10
308	1711	1589	132	Pine	Core	1624	2±2	0	1713±2
309	1708	1596	110	DF	Core	1663	12?	0	1720

¹Previous reports in vol. 1, 23-24, Jan. 1935, and vol. 3, 23-24, Jan. 1937. Oraibi specimens include nos. BE 1 to 10, and BE 101 to 310.

²For discussion of Bark Date see separate paper in this issue.

³BE 189 has a break in the middle of the core with about 15 rings lost. This does not affect the dating of the two parts of the core.

⁴BE 236 is the earliest dated beam in Oraibi.

⁵Sap-heart contact indeterminate and probably absent.

Note: The designations "P" and "Pine" for species refer to *P. ponderosa*.