DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

BIBLIOGRAPHY OF PUBLISHED RADIOCARBON DATES
FOR ALASKA

by

John P. Galloway

OPEN-FILE REPORT
84-21

This report is preliminary and has not beenedited or revised for conformity with
U.S.G.S. editorial standards and
stratigraphic nomenclature
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INTRODUCTION

Since publication of the first radiocarbon dates for Alaska was reported (Arnold and Libby 1951) more than 1,900 radiocarbon age determinations have been reported for geological and archaeological samples from Alaska. Thirty-one U. S. laboratories (commercial, university, State, Federal) and eleven foreign laboratories (listed in Appendix I) have reported radiocarbon ages in Radiocarbon and other scientific journals. Before the first publication of Radiocarbon (originally the Radiocarbon Supplement to American Journal of Science), in 1959, radiocarbon date lists were routinely published in Science. Date lists published in Science (1951 to 1958) are listed in Appendix II. Citations, by laboratories, for Alaskan samples published in Radiocarbon are listed in Appendix III.

The purpose of this bibliography is to cite and index publications which mention radiocarbon dates for Alaska. Criteria for inclusion of a reference in this bibliography were the mention of either: 1) a date and laboratory number, or 2) a date with a standard deviation. Publications which contained a radiocarbon date(s) only were excluded. More than 375 geological and archaeological references make up this bibliography. Citations were indexed according to subject (archaeology or geology) then further subdivided according to geographic area. Figure 1 shows the geographic divisions used in this report. Appendix IV (archaeology) and V (geology) lists citations by author(s) and geographic area.

The more than 375 geological and archaeological publications listed in this bibliography were located by manual library techniques. A literature search of both geological and archaeological journals was undertaken. Although completeness was strived for, this bibliography has not benefitted from a thorough search of all doctoral and masters' dissertations (geologic and archaeologic) relating to Alaska. The largest source for radiocarbon dates were the various U. S. Geological Survey publications (Bulletins, Circulars, Professional Papers, and Open-File Reports) which contained more than forty references. Two excellent sources for radiocarbon dates, geologic samples, were the journals Arctic and Quaternary Research (17 and 13 citations respectively). An excellent source for radiocarbon dates relating to anthropological material were Arctic Anthropology and Anthropological Papers of the University of Alaska (20 and 19 citations respectively).

Although Appendix IV and V list the citations by author and region the following is a listing of key references by subject and regions:


REFERENCES CITED


Guthrie, R. D., 1968, Paleoecology of a Late Pleistocene small mammal community from Interior Alaska: Arctic, v. 21, no. 4, p. 223-244.


Wilson, F. H., and Young, M. S., 1976, Radiocarbon dates for Alaska, Yukon Territory and British Columbia: Institute of Marine Science, University of Alaska, IMS Report R76-6, 64 p.

Workman, W. B., 1977, New data on the radiocarbon chronology of the Kachemak Bay Sequence: Anthropological Papers of the University of Alaska, v. 18, no. 2, p. 31-36.
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Ackerman, R. E., 1962, Culture contact in the Bering Sea: Birnik-Punuk Period: Institute of North America Technical Paper No. 11, p. 27-34, (no lab. numbers).


Black, R. F., 1975, Late-Quaternary geomorphic processes; effects on the ancient Aleuts of Umnak Island in the Aleutians: Arctic, v. 28, no. 3, p. 159-169. (no lab. numbers)


Bowers, P. M., 1978a, Geology and archaeology of the Carlo Creek site, an early Holocene campsite in the Central Alaska Range: American Quaternary Association 11th Biennial Meeting, Edmonton, Alberta, Canada (abs.) p. 188.


Clark, D. W., 1982, An example of technological change in Prehistory; the origin of a regional ground slate industry in South-Central Coastal Alaska: Arctic Anthropology, v. 19, no. 1, p. 103-126.


Fairhall, A. W., Young, A. W., and Erickson, J. L., 1976, University of Washington dates IV, Radiocarbon, v. 18, no. 2, p. 221-239.


Guthrie, R. D., 1968, Paleoecology of a Late Pleistocene small mammal community from Interior Alaska: Arctic, v. 21, no. 4, p. 223-244.


Heusser, C. J., 1958, Late-Pleistocene environments and chronology of Pacific Coastal Alaska: Proceedings Ninth Alaskan Science Conference, p. 74-76. (no lab. numbers)


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Lippold, L., 1972, Mammalian remains from Aleutian archaeological sites; a preliminary report: Arctic Anthropology, v. 9, no. 2, p. 113-114. (no lab. numbers)


Noakes, J. E., and Brandau, B. L., 1974, University of Georgia radiocarbon dates III: Radiocarbon, v. 16, no. 1, p. 131-141.


Péwé, T. L., and Church, R. E., 1962, Age of the spit at Barrow, Alaska: Geological Society of America Bulletin, v. 73, no. 10, p. 1287-1292. (no lab. numbers)

Péwé, T. L., and Reger, R. D., 1983a, Middle Tanana River Valley, in, Péwé, T. L., and Reger, R. D., eds., Guidebook to Permafrost and Quaternary Geology along the Richardson and Glenn Highways between Fairbanks and Anchorage, Alaska, Fourth International Conference on Permafrost, Guidebook 1, p. 4-45.


Schledermann, P., and Olson, W., 1969, Archaeological survey of C.O.D. Lake area, Minto Flats: Anthropological Papers of the University of Alaska, v. 14, no. 2, p. 67-76. (no lab. numbers)


Stipp, J. J., Davis, E. M., Noakes, J. E., and Hoover, T. E., 1962, University of Texas radiocarbon dates I: Radiocarbon, v. 4, p. 43-50,


Tauber, H., 1962, Copenhagen radiocarbon dates V: Radiocarbon, v. 4, p. 27-34.


Wilson, F. H., and Young, M. S., 1976, Radiocarbon dates for Alaska, Yukon Territory and British Columbia: Institute of Marine Science, University of Alaska, IMS Report R76-6, 64 p.


Workman, W. B., 1977, New data on the radiocarbon chronology of the Kachemak Bay Sequence: Anthropological Papers of the University of Alaska, v. 18, no. 2, p. 31-36.

Workman, W. B., 1973, The cultural significance of a volcanic ash which fell 1400 years ago, in, Raymond, S., and Schledermann, P., eds., International Conference on the Prehistory and Paleoecology of Western Arctic and Sub-Arctic; University of Calgary Archaeological Association, Calgary, Canada, p. 239-261. (no lab. numbers)


APPENDIX I

Laboratories which have reported radiocarbon determinations for Alaskan material

Radiocarbon laboratories - United States

A University of Arizona
AJ University of Alaska
Beta Beta Analytic, Inc.
BGS Brock University
C Chicago *
DIC Dicarb Radioisotope Company
Gx Geochron Laboratories, Inc.
I Teledyne Isotopes
ISGS Illinois State Geological Survey
L Lamont, Columbia University
LJ La Jolla, University of San Diego
M Michigan *
MI University of Miami
QWU Ohio Wesleyan, University *
P University of Pennsylvania
PIC Packard *
QI Quaternary Isotope Laboratory, University of Washington
RL Radiocarbon LTD
SI Smithsonian Institution
SM Mobil Oil Corporation *
SMU Southern Methodist University
TAM Texas A & M University
Tx University of Texas
UCLA University of California, Los Angeles
UGa University of Georgias
USGS U.S. Geological Survey, Reston
UW University of Washington
W U.S. Geological Survey, Menlo Park
WIS University of Washington
WSU Washington State University
Y Yale University *

Radiocarbon Laboratories - Foreign

B Bern, Switzerland
GaK Gakushuin University, Japan
Gif Gif-Sur-Yvette, France
GrN Groningen, The Netherlands
GSC Geological Survey of Canada
Hv Hannover, West Germany
IVIC Caracas, Venezuela
S University of Saskatchewan, Canada
St Stockholm, Sweden
T Trondheim, Norway
TK Tokyo Radiocarbon Laboratory, Japan

*denotes inactive laboratory
## APPENDIX II

### CITATIONS - SCIENCE

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# APPENDIX III

## CITATIONS - RADIOCARBON

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Stuiver, 1969  Y
Stuiver, et. al., 1963  Y
Stuiver and Deevey, 1962  Y
Stuiver and Deevey, 1961  Y
Figure 1. Geographic divisions used for Appendix IV and V
APPENDIX IV

ARCHAEOLOGY

Statewide
Alexander, 1974
Anderson, 1978
Bonnichsen, 1979
Borden, 1979
Borden, 1962
Bryan, 1978
Byers, 1962
Campbell, 1968
Cook, 1977
Dunond, 1980
Dunond, 1968
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Holmes, 1982
Irving, 1976
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Larsen, 1982
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Rainey and Ralph, 1959
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Crane and Griffin, 1964
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Hamilton, 1979b
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Long, 1985
Lowden, et. al., 1969
Porter, 1964a
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Ralph and Ackerman, 1961
Sheppard and Chatters, 1976
Shinkwin, 1964
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Wilson, 1978

West-Central
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West, 1967

Southeastern
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GEOLOGY

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Karlstrom, 1961
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Reeburgh and Young, 1976
Robinson and Trimble, 1983
Wilson and Young, 1976

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Thorson and Dixon, 1983
Trautman and Willis, 1986
Tucek, 1977
Weber, et. al., 1981

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Crane and Griffin, 1961
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Detterman, et. al., 1965
Everett, 1971
Feulner and Schupp, 1964
Gard, 1980
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Heusser, 1963
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Kulp, et. al., 1952
Levin, et. al., 1965
Marsters, et. al., 1970
Parrish, 1980
Porter, 1967
Shacklette and Rubin, 1969
Spiker, et. al., 1978
Stuckenrath and Mielke, 1973
Stuiver, 1969
Trautman and Willis, 1966

Southern
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