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## Bibliography of Sherburne Friend Cook

EDITOR'S NOTE: The following bibliography of Sherburne Friend Cook is thought to include all works published and now in press. It was essentially compiled by Cook himself, and was made available from the Cook papers through the courtesy of Woodrow Borah, University of California, Berkeley, and the Cook family. A few additions, primarily references to material now in press, were supplied by Borah, William Sturtevant of the Smithsonian Institution, and the University of California Press. The bibliography shows the transition of Cook's research interests over forty years, beginning in 1926 in biochemical physiology, and developing into historical demography of the Indian populations of California, Mexico, and other parts of the New World. This ultimate direction was signalled

already in 1935 with his paper on the "Diseases of the Indians of Lower California in the Eighteenth Century." Along the way there were side journeys into such diverse subjects as the physical and chemical analysis of archaeological residues, histology of bone and the process of fossilization, archaeological dating by chemical means, the history of Spanish and Mexican explorations in central California, the history of medicine, and others, comprising, to use Woodrow Borah's phrase, "a remarkable intellectual odyssey." A partial bibliography emphasizing papers of anthropological and historical nature was published by Borah in an obituary of Sherburne Friend Cook, which appeared in the Hispanic American Historical Review (1975, Vol. 35, No. 4, pp. 749-759).

## BIBLIOGRAPHY

1926 The Effects of Certain Heavy Metals on Respiration. Journal of General Physiology 9: 575-601.

> A Latent Period in the Action of Copper on Respiration. Journal of General Physiology 9:631-650.

> The Toxic Action of Copper on Nitella. Journal of General Physiology 9:735-754.

> The Role of Certain Metallic Ions as Oxidation Catalysts. Journal of General Physiology 10:289-312.

1928 The Action of Potassium Cyanide and Potassium Ferrocyanide on Certain Respiratory Pigments. Journal of General Physiology 11:339-348. 1929 The Structure and Composition of Hemosiderin. Journal of Biological Chemistry 82: 595-609.

> The Effect of Sudden Changes of Temperature on Protoplasmic Streaming. Journal of General Physiology 12: 793-803.

> (with M. I. Rose) Changes in Size of the Spleen Following Exercise. Proceedings of the Society for Experimental Biology and Medicine 26:529-530.

1930 (with M. I. Rose) The Recovery of the Spleen from Contraction Induced by Exercise. American Journal of Physiology 92: 240-248. (with J. M. D. Olmsted) The Effect of Asphysia on the Spleen of Curarized and Uncurarized Decapitate Cats. American Journal of Physiology 92:249-252.

(with J. M. D. Olmsted) The Chemical Control of Splenic Contraction. Science 71:442-444.

(with F. E. Sharman) The Effect of Acids and Bases on the Respiration of Tape Worms. Physiological Zoology 3:145-163.

The Effect of Iron, Copper, and Manganese on the Respiration of Yeast. University of California Publications in Physiology 7: 223-235.

The Effect of Low Pressures on Cell Oxidation. Journal of General Physiology 14:55-70.

(with G. Giragossintz) Effect of Low Pressures on the Respiration of Animal Tissues. University of California Publications in Physiology 7:237-242.

- 1931 (with N. M. Spilles) Some Factors Regulating the Utilization of Splenic Iron. American Journal of Physiology 98:626-635.
- 1932 (with I. W. Harmon and E. Ogden) The Reservoir Function of the Spleen in Fowls. American Journal of Physiology 100:99-101.

Note on Hemoglobin Formation and the Iron Reserve. California and Western Medicine 36(6).

The Respiratory Gas Exchange in *Termopsis* nevadensis. Biological Bulletin 63:246-257.

(with K. G. Scott) The Relation Between Absorption and Elimination of Water by *Termopsis angusticollis*. Biological Bulletin 63: 505-512.

1933 (with I. W. Harmon) The Regulation of the Hemoglobin Level in Poultry. American Journal of Physiology 105:407-417.

> (with K. G. Scott) The Nutritional Requirements of *Zoopermopsis angusticollis*. Journal of Cellular and Comparative Physiology 4:95-110.

1935 (with K. G. Scott) A Bioassay of Certain Protein Supplements When Fed to Baby Chicks. Proceedings of the Society for Experimental Biology and Medicine 33:167-170.

(with K. G. Scott) Apparent Intoxication in Poultry Due to Nitrogenous Bases. Science 82:465-467.

Diseases of the Indians of Lower California in the Eighteenth Century. California and Western Medicine 43:432-434.

1936 (with K. G. Scott) The Syndrome Induced in Poultry by an Intoxication Factor and its Relation to the Anti-Hemorrhagic Factor. University of California Publications in Physiology 8:135-146.

> (with H. C. Fredrickson) An Objective Method for Measuring Irritability in Birds. The Condor 38:28-29.

> California's First Medical Survey: Report of Surgeon General José Benites. California and Western Medicine 45:352-354.

1937 A Study of the Blood Picture of Poultry and its Diagnostic Significance. Poultry Science 16:291-296.

> (with K. G. Scott) The Effect of Radioactive Phosphorus Upon the Blood of Growing Chicks. Proceedings of the National Academy of Sciences 23:265-272.

> (with K. G. Scott and P. Ableson) The Deposition of Radiophosphorus in Tissues of Growing Chicks. Proceedings of the National Academy of Sciences 23:528-533.

Sarría's Treatise on the Caesarian Operation, 1830. California and Western Medicine 47: 107-109, 187-189, 248-250.

The Monterey Surgeons During the Spanish Period in California. Bulletin of the History of Medicine 5:43-72.

The Extent and Significance of Disease Among the Indians of Baja California, 1697-1773. Ibero-Americana 12.

1939 Smallpox in Spanish and Mexican California, 1770-1845. Bulletin of the History of Medicine 7:153-191.

> The Smallpox Epidemic of 1797 in Mexico. Bulletin of the History of Medicine 7:937-969.

1940 Population Trends Among the California Mission Indians. Ibero-Americana 17.

The Hunger Hospital in Guadalajara, an Experiment in Medical Relief. Bulletin of the History of Medicine 8:533-545.

Dwelling Construction in the Mixteca. El México Antiguo 4:9-12, 375-383.

- 1941 The Mechanism and Extent of Dietary Adaptation Among Certain Groups of California and Nevada Indians. Ibero-Americana 18.
- 1942 (with R. E. Smith) Metabolic Relations in the Termite-Protozoa Symbiosis: Temperature Effects. Journal of Cellular and Comparative Physiology 19:211-219.

Francisco Xavier Balmis and the Introduction of Vaccination to Latin America. Bulletin of the History of Medicine 11:543-560; 12:70-101.

The Population of Mexico in 1793. Human Biology 14:499-515.

1943 Nonsymbiotic Utilization of Carbohydrates by the termite Zootermopsis angusticollis. Physiological Zoology 16:123-128.

Migration and Urbanization of the Indians of California. Human Biology 15:33-45.

Racial Fusion Among the California and Nevada Indians. Human Biology 15:153-165.

The Conflict Between the California Indian and White Civilization: I. Ibero-Americana 21.

The Conflict Between the California Indian and White Civilization: II. Ibero-Americana 22.

The Conflict Between the California Indian and White Civilization: III. Ibero-Americana 23.

The Conflict Between the California Indian and White Civilization: IV. Ibero-Americana 24.

[The above four items are scheduled for reprinting by the University of California Press in 1976.]

1944 (with E. V. Bridge et al.) Decompression Sickness: Nature and Incidence of Symptoms During and After Artificial Decompression to 38,000 Feet for Ninety Minutes with Exercise During Exposure. Journal of Aviation Medicine 15:316-327.

(with O. L. Williams *et al.*) A Comparison of Altitude with Exercise with Respect to Decompression Sickness. War Medicine 6: 182-187.

1945 Demographic Consequences of European Contact with Primitive Peoples. Annals of the American Academy of Political and Social Science 237:107-111.

> (with E. Strajman) The Effect of Decompression on Human Metabolism During and After Exercise. American Journal of Physiology 144:637-642.

> The Inhibition of Animal Metabolism Under Decompression. Journal of Aviation Medicine 16:268.

> (with W. N. Sears) Studies on the Cardiovascular System of Dogs with Radioactive Inert Gases. American Journal of Physiology 144:164.

1946 (with W. E. Berg) Carbon Dioxide Production of Humans at Sea Level and at Low Barometric Pressures. American Journal of Physiology 147:217-221.

> A Reconsideration of Shell Mounds with Respect to Population and Nutrition. American Antiquity 12:51-53.

> The Incidence and Significance of Disease Among the Aztecs and Related Tribes. Hispanic American Historical Review 26: 320-335.

> Human Sacrifice and Warfare as Factors in the Demography of Pre-Colonial Mexico. Human Biology 18:81-102.

1947 The Interrelation of Population, Food Supply and Building in Pre-Conquest Central Mexico. American Antiquity 13:45-52. Survivorship in Aboriginal Populations. Human Biology 19:83-89.

> (with R. F. Heizer) The Quantitative Investigation of Aboriginal Sites: Analysis of Human Bone. American Journal of Physical Anthropology 5:201-220.

(with A. E. Treganza) The Quantitative Investigation of Aboriginal Sites: Comparative Physical and Chemical Analysis of Two California Indian Mounds. American Antiquity 13:135-141.

1948 (with L. B. Simpson) The Population of Central Mexico in the Sixteenth Century. Ibero-Americana 31.

> (with A. E. Treganza) The Quantitative Investigation of Aboriginal Sites: Complete Excavation with Physical and Archaeological Analysis of a Single Mound. American Antiquity 13:287-297.

1949 Respiratory Metabolism of Certain Reptiles and Amphibia. University of California Publications in Zoology 53:367-376.

The Historical Demography and Ecology of the Teotlalpan. Ibero-Americana 33.

Soil Erosion and Population in Central Mexico. Ibero-Americana 34.

(with R. F. Heizer) The Archaeology of Central California: A Comparative Analysis of Human Bone from Nine Sites. University of California Anthropological Records 12(2).

1950 The Effect of Helium and Argon on Metabolism and Metamorphosis. Journal of Cellular and Comparative Physiology 36:115-128.

> (with A. E. Treganza) The Quantitative Investigation of Indian Mounds with Special Reference to the Relation of the Physical Components to the Probable Material Culture. University of California Publications in American Archaeology and Ethnology 40(5).

> Physical Analysis as a Method for Investigating Prehistoric Habitation Sites. University of California Archaeological Survey Reports 7:2-5.

1951 (with F. B. South, Jr., and D. R. Young) Effect of Helium on Gas Exchange of Mice. American Journal of Physiology 164:248-250.

> The Fossilization of Human Bone: Calcium, Phosphate, and Carbonate. University of California Publications in American Archaeology and Ethnology 40:263-280.

Environmental Factors Affecting Decompression Sickness, Part II. Role of Exercise, Temperature, Drugs and Water Balance in Decompression Sickness. *In* Decompression Sickness, John F. Fulton, ed., Chap. VIII, pp. 223-241. W. B. Saunders Co.

(with R. F. Heizer) The Physical Analysis of Nine Indian Mounds in the Lower Sacramento Valley. University of California Publications in American Archaeology and Ethnology 40(7).

Chemical Analysis of Fossil Bone. In Essays on Archaeological Methods, James B. Griffin, ed. University of Michigan Museum of Anthropology, Anthropological Papers 8:73-84.

1952 (with C. F. Cramer and K. Kenyon) A Rapid Titrimetric Method for Determining the Water Content of Animal Tissues. Science 115:353-354.

> (with R. F. Heizer) The Fossilization of Bone: Organic Components and Water. University of California Archaeological Survey Reports 17:1-24.

> (with R. F. Heizer) Fluorine and Other Chemical Tests of Some North American Human and Fossil Bones. American Journal of Physical Anthropology 10:289-304.

1953 (with F. E. South, Jr.) Effect of Helium on the Respiration and Glycolysis of Mouse Liver Slices. Journal of General Physiology 36:513-528.

> (with R. F. Heizer) The Present Status of Chemical Methods for Dating Prehistoric Bone. American Antiquity 18:354-358.

> (with D. Jensen and F. E. South, Jr.) Oxygen Consumption of Liver Slices from Animals in Shock. American Journal of Physiology 173:253-258.

> (with R. F. Heizer) Archaeological Dating by Chemical Analysis of Bone. Southwestern Journal of Anthropology 9:231-238.

> (with F. E. South, Jr.) Helium and Comparative *in vitro* Metabolism of Mouse Tissue Slices. American Journal of Physiology 173: 542-544.

(with D. R. Young) The Effect of Helium on the Gas Exchange of Mice as Modified by Body Size and Thyroid Activity. Journal of Cellular and Comparative Physiology 42: 319-325.

(with R. F. Heizer) "Capay Man," an Ancient Central California Indian Burial. University of California Archaeological Survey Reports 22:24-26.

1954 (with F. E. South, Jr.) Argon, Xenon, Hydrogen and the Oxygen Consumption and Glycolysis of Mouse Tissue Slices. Journal of General Physiology 37:335-341.

> (with R. F. Heizer) Comments on the Piltdown Remains. American Anthropologist 56:92-94.

> (with J. P. Hannon) Metabolic Differences Between Three Strains of *Peromyscus maniculatus*. Journal of Mammalogy 35:553-560.

> (with E. P. Barbour) The Effects of Low Phosphorus Diet and Hypophysectomy on the Structure of Compact Bone as Seen with the Electron Microscope. Anatomical Record 118:215-230.

1955 (with J. P. Hannon) Respiration and Glycolysis of Liver Slices from Normal and Shocked Rats Subjected to Food and Water Deprivation. American Journal of Physiology 180:580-590.

> (with A. A. Krum) Deterioration of Mouse Strains Exposed for Long Periods to Low Atmospheric Pressure. Journal of Experimental Zoology 128:561-572.

> (with D. R. Young) Body Lipids in Small Mammals Following Prolonged Exposures to High and Low Temperatures. American Journal of Physiology 181:72-74.

> The Epidemic of 1830-1833 in California and Oregon. University of California Publications in American Archaeology and Ethnology 43(3).

> The Aboriginal Population of the San Joaquin Valley, California. University of California Anthropological Records 16(2).

> (with D. R. Young) Effect of Environmental Temperature and Dietary Protein on Uri

nary Nitrogen Excretion of Rats. Proceedings of the Society for Experimental Biology and Medicine 89:482-484.

1956 (with H. A. Leon) Mitochondrial Self-Duplication Observed in vitro. Science 124: 123-124.

> The Aboriginal Population of the North Coast of California. University of California Anthropological Records 16(3).

> (with M. H. Alafi) Role of the Spleen in Acclimatization to Hypoxia. American Journal of Physiology 186:369-372.

(with R. F. Heizer) Some Aspects of the Quantitative Approach in Archaeology. Southwestern Journal of Anthropology 12: 229-248.

(with J. P. Hannon) Effects of Anoxia on the Respiratory and Water Metabolism of Mouse Diaphragm. American Journal of Physiology 187:155-159.

(with A. B. Elsasser) Burials in Sand Mounds of the Delta Region of the Sacramento-San Joaquin River System. University of California Archaeological Survey Reports 35:26-46.

1957 (with J. F. Garcia and R. W. Belknap) Increase in Red Cell Volume in Response to Long Exposure to Cold. Proceedings of the Society for Experimental Biology and Medicine 95:242-243.

> The Aboriginal Population of Alameda and Contra Costa Counties, California. University of California Anthropological Records 16(4).

> (with H. Ezra) Amino Acids in Fossil Human Bone. Science 126:80.

> (with J. P. Hannon and H. A. Leon) Oxidative and Phosphorylative Metabolism of Rat Liver Tissue Following *in situ* Anoxia. American Journal of Physiology 191:81-86.

> Analysis of Refuse Midden Material from Site Ven-62. University of California Archaeological Survey Reports 37:40-41.

> (with W. W. Borah) The Rate of Population Change in Central Mexico. Hispanic American Historical Review 37:463-470.

1958 (with H. A. Leon and J. P. Hannon) Adenosinetriphosphatase Activity of Rat Liver Mitochondria Following in situ Anoxia. Experimental Cell Research 14:231-235.

> (with W. W. Borah) Price Trends of Some Basic Commodities in Central Mexico, 1531-1570. Ibero-Americana 40.

> Santa María Ixcatlán: Habitat, Population, Subsistence. Ibero-Americana 41.

1959 (with H. Ezra) Histology of Mammoth Bone. Science 129:465-466.

> (with R. F. Heizer) New Evidence of Antiquity of Tepexpan and Other Human Remains from the Valley of Mexico. Southwestern Journal of Anthropology 15:36-42.

> (with R. F. Heizer) The Chemical Analysis of Fossil Bone: Individual Variation. American Journal of Physical Anthropology 17: 109-115.

> (with H. Ezra-Cohn) An Evaluation of the Fluorine Dating Method. Southwestern Journal of Anthropology 15:276-290.

1960 (co-editor, with R. F. Heizer) The Application of Quantitative Methods in Archaeology. Viking Fund Publications in Anthropology 28.

> Dating Prehistoric Bone by Chemical Analysis. In The Application of Quantitative Methods in Archaeology, R. F. Heizer and S. F. Cook, eds. Viking Fund Publications in Anthropology 28:223-245.

> Reconstruction of Extinct Populations. Revista Mexicana de Estudios Antropológicos 16:173-182.

> (with W. W. Borah) The Population of Central Mexico in 1548. Ibero-Americana 43.

(with W. W. Borah) The Indian Population of Central Mexico, 1531-1610. Ibero-Americana 44.

Colonial Expeditions to the Interior of California: Central Valley, 1800-1820. University of California Anthropological Records 16(6).

(with H. A. Leon) A Mechanism by which Helium Increases Metabolism in Small Mammals. American Journal of Physiology 199: 243-245. 1961 (with H. Ezra-Cohn) Blood-Typing Compact Human Bone Tissue. Nature 191:1267-1268.

> (with S. T. Brooks and H. Ezra-Cohn) The Process of Fossilization. Southwestern Journal of Anthropology 17:355-364.

> (with R. W. Belknap) Cold Injury at the Cellular Level. Fort Winwright, Alaska: Arctic Aeromedical Laboratory.

> (with W. W. Borah) Sobre las Posibilidades de Hacer el Estudio del Mestizaje Sobre una Base Demográfica. In El Mestizaje en la Historia de Ibero-América, pp. 64-72. México, D. F.: Instituto Panamericano de Geografía e Historia.

1962 Expeditions to the Interior of California: Central Valley, 1820-1840. University of California Anthropological Records 20(5).

> (with B. Baird) Hypoxia and Reproduction in Swiss Mice. American Journal of Physiology 202:611-615.

> (with S. T. Brooks and H. Ezra-Cohn) Histological Studies on Fossil Bone. Journal of Paleontology 36:483-494.

> (with R. F. Heizer) Chemical Analysis of the Hotchkiss Site (CCo-138). University of California Archaeological Survey Reports 57(Part I):1-24.

> (with W. W. Borah) La Despoblación del México Central en el Siglo XVI. Historia Mexicana 12:1-12. (Also published in English: New Demographic Research on the Sixteenth Century in Mexico. *In* Latin American History: Essays on its Study and Teaching, 1898-1965, 2 vols., Howard F. Cline, ed., Vol. II, pp. 717-722. Austin: University of Texas Press.

> (with H. Ezra-Cohn) A Comparison of Methods for Decalcifying Bone. Journal of Histochemistry and Cytochemistry 10: 560-563.

1963 (with W. W. Borah) The Aboriginal Population of Central Mexico on the Eve of the Spanish Conquest. Ibero-Americana 45.

Erosion Morphology and Occupation His-

tory in Western Mexico. University of California Anthropological Records 17(3).

(with W. W. Borah) Quelle fut la Stratification Sociale au Centre du Mexique Durant la Première Moitié du XVI<sup>e</sup> Siècle? Annales: Èconomies, Sociétés, Civilisations 18:226-258.

1964 The Nature of Charcoal Excavated at Archaeological Sites. American Antiquity 29: 514-517.

> The Aboriginal Population of Upper California. Actas y Memorias, XXXV Congreso Internacional de Americanistas, México, 1962, 3:397-403.

1965 (with R. F. Heizer) Studies on the Chemical Analysis of Archaeological Sites. University of California Publications in Anthropology 2.

(with R. F. Heizer) The Quantitative Approach to the Relation Between Population and Settlement Size. University of California Archaeological Survey Reports 64:1-97.

1966 (with W. W. Borah) Marriage and Legitimacy in Mexican Culture: Mexico and California. California Law Review 54:946-1008.

> (with W. W. Borah) On the Credibility of Contemporary Testimony on the Population of Mexico in the Sixteenth Century. Summa Antropologica en Homenaje a Roberto J. Weitlaner, pp. 229-239. Instituto Nacional de Antropología e Historia. México.

1968 (with R. F. Heizer) Relationships Among Houses, Settlement Areas, and Population in Aboriginal California. In Settlement Archaeology, K.-C. Chang, ed., Chap. VI, pp. 79-116. Palo Alto: National Press Books.

(with W. W. Borah) The Population of the Mixteca Alta, 1520-1960. Ibero-Americana 50.

The Destruction of the California Indian. California Alumni Monthly 79:14-19.

1969 (with W. W. Borah) Conquest and Population: A Demographic Approach to Mexican Prehistory. Proceedings of the American Philosophical Society 113:177-183.

> Migration as a Factor in the History of Mexican Population: Sample Data. In Population

and Economics, Paul Deprez, ed., pp. 279-302. Winnipeg: University of Manitoba Press.

1970 Las Migraciones en la Historia de la Población Mexicana. In Historia y Sociedad en el Mundo de Habla Española. Homenaje a José Miranda. El Colegio de México. pp. 355-377.

> The California Indian and Anglo American Culture. In Ethnic Conflict in California History, Charles Wollenberg, ed., Chap. II, pp. 23-42. Los Angeles: Tinnon-Brown Co.

1971 (with W. W. Borah) Essays in Population History: Mexico and the Caribbean, Vol. I. Berkeley: University of California Press.

(with W. W. Borah) La Demografía Histórica de América Latina: Necesidades y Perspectivas. In Historia Mexicana 21:312-327. (Also appears in La Historia Económica en América Latina, 2 vols. México, D. F.: Secretaría de Educación Pública, 1972, 11:82-99.

1972 Can Pottery Residues be Used as an Index to Population? University of California, Contributions of the Archaeological Research Facility 14:17-39.

> Prehistoric Demography. Reading, Mass.: Addison-Wesley Modular Publications.

1973 Interracial Warfare and Population Decline Among the New England Indians. Ethnohistory 20:1-24.

The Significance of Disease in the Extinction of the New England Indians. Human Biology 45:485-508.

1974 The Esselen: Territory, Villages, and Population. Monterey County Archaeological Society Quarterly 3(2):1-10.

> The Esselen: Language and Culture. Monterey County Archaeological Society Quarterly 3(3):1-12.

> (with W. W. Borah) Essays in Population History: Mexico and the Caribbean, Vol. II. Berkeley: University of California Press.

> The Stability of Indian Custom Marriage. The Indian Historian 7(3):33-34.

1975 Subsistence Ecology of Scovill. American Antiquity 40:354-356.

- Historical Demography. Chapter to appear in Vol. 8: California (R. F. Heizer, ed.) of Handbook of North American Indians (W. C. Sturtevant, gen. ed.). Washington: Smithsonian Institution. Scheduled for publication in 1976.
- Catholic Missions in California. Chapter to appear in Vol. 4: History of White-Indian Relations (W. E. Washburn, ed.) of Handbook of North American Indians (W. C. Sturtevant, gen. ed.). Washington: Smithsonian

Institution. Scheduled for publication in 1977 or 1978.

- The Indian Population of New England in the Seventeenth Century. University of California Publications in Anthropology 12. Scheduled for publication in 1977.
- The Population of the California Indians, 1769-1970. (Forward by W. W. Borah and R. F. Heizer.) Berkeley: University of California Press. Scheduled for publication in 1976.

