# AN HISTORICAL DOCUMENT IN CALIFORNIA AVOCADO HISTORY

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The late Professor R. W. Hodgson, who contributed much to our knowledge of the avocado in California, was a natural scholar who wrote extensively and collected much written material on topics related to tropical and subtropical fruits. Professor Hodgson died May 8, 1966. Much of his personal library, which consisted of great numbers of pamphlets, historical records, books and personal papers, was distributed to appropriate library collections at the University of California Davis, Los Angeles and Riverside. A considerable amount of material of historical significance related specifically to dates was given to the U.S.D.A. Date Research Station at Indio, California. Recently while sorting through some boxes of miscellaneous records and papers which still remained at UCLA, I noted a field record book with the book plate in the cover with the name Wilson Popenoe and contained therein personal notes on early avocado history in California and Florida. Dr. Wilson Popenoe died in June, 1975. He had donated many pamphlets and documents to the Agriculture Library at UCLA during the earlier years 1930-45 when the College of Agriculture was developed on the Los Angeles campus. The field notebook is of considerable historical interest for it contains personal observations on the behavior of several avocado varieties, including the Fuerte. The field notes of 1915 indicate that observations were made on "West Indian Garden Introductions by number and name" (Figure 1). These are correlated to collection numbers of Schmidt. Carl Schmidt had been hired by the West Indian Gardens to collect avocado clones of potential value to the California industry. The Fuerte variety was one of Schmidt's collections introduced into California about 1911 by the Popenoes. The notes in Wilson Popenoe's notebook of particular interest are dated Saturday, October 9, 1915, Altadena, California. The preface under this date is given: "I am copying the following record of the West Indian Gardens avocado introductions from the original notes here in the files thinking it would be worth while to have a duplicate set available in Washington for reference in the future when some of these varieties may have become important in California or Florida and the original descriptions will be of considerable pomological interest-Carl B. Schmidt's Introductions, August to December 1911 . . ." Under a heading, "Varieties from Atlixco, Puebla" introduction number 13 was noted as "Puebla" which according to "Schmidt's correspondence this is called "ahuacate de China." It is black 3x4", the seed tight in the cavity (Figure 2). Introduction number 15 is noted by "Schmidt's correspondence-this is considered very good in Atlixco and is called aguacate de China." Popenoe wrote in the margin "Fuerte" "(formerly el Fuerte)" . . . "Unusually strong grower. Upright. Buds very readily. Some anise odor in leaves" (Figure 3).

The two varieties Puebla and Fuerte have played an important role in the development of the avocado industry, particularly in California hence information on their historical development is of interest. The history of the Fuerte variety has been recorded and related on many occasions. The survival by mere chance of the then newly introduced Fuerte after the West Indian Gardens inusery had been subjected to a severe frost is described in part by Popenoe (1). "What happened to the avocado pioneers in the winter of 1912-13 is now history. Jack Frost played a few favorites and when the smoke of battle had cleared away and we had taken stock of our salvage, all that we had left to represent our effort and expenses was four plants of Number Two and five or six of Number Fifteen. From these we have since propagated others, until we now have several hundred five and six-year-old trees chiefly of Number Fifteen variety." Continuing in the same report Popenoe indicates "the term *ahuacate de China* is of indefinite application. In general it implies fruits of good size and quality especially those which are smooth and comparatively thin-skinned." A detailed description of the parent tree and the fruit is included in this report of 1920.

On page 86 of the notebook is pasted in a copy of the first meeting of the "California Ahuacate Association" (Saturday, October 23, 1915) (Figure 4). Among the speakers on this occasion were Judge C. Silent, I. J. Condit, M. E. Jaffa, W. Popenoe, J. E. Coit, F. O. Popenoe, H. J. Webber, D. Fairchild, E. B. Rivers, J. C. Bosche and the president of the association, E. G. Hart. Notes are included which describe the variety Topa Topa (Figure 5), and a discussion held in Washington, D.C. with G. N. Collins of the U.S.D.A. on December 15, 1915, concerning avocado classification (Figure 6). A description of the composition and function of the Committee on Varieties and Nomenclature of the California Avocado Association is given on page 88 (Figure 7).

The remainder of the notebook contains miscellaneous notes on several subtropical fruits such as *Psidium cattleianum, Carissa,* papaya, *Tamarindus,* mango, *Feijoa,* white sapote and others. A score card for avocado quality, avocado classification and various notes on avocado propagation and culture are in pencil.

This notebook of Wilson Popenoe is a document of historical interest to the California avocado industry. It will be placed in the Library Collections at the University of California, Riverside, where other documents on avocado are kept.

### LITERATURE CITED

1. POPENOE, W. 1920. Atlixco. Ann. Rept. Calif. Avocado Assoc. 1919-1920. 24-43.

2 W.J. D. Introductions by rumber and name Schmidt # 2 - O-lata 791 San Sebastian " Canyada Queretaro 13 n 14 Gordo 1. (formerly El Fuerte) Furte 15 · Redondo 16 17 Verde Jormary Calif. Trepp) 18 Merito Jormany El mento) 19 Cerfecto Jormarly El Perfecto) 24 Colon Induding + 22 7 4 11 1 . 25 Canto 41 28 24 32 4 alto attico 2 "Oro (formerly El Oro) Monteguma 4 33 35 miles 4 37' Dinaloa 4 -35 Cortage (Lost?) Grande Schmidt Vobispo (formarly & grander) 34 Å. 40 44 Johnstm # 5 ameca Colina Johnston Harraticpath VII & can (formerly Staringichunth)

FIGURE 1

.13 Varieties from atlipes, Puebla. No. 13 No. 13. Vicente Pineda. age of the 20you, Neight 35 pt, trush 8" three. Searce Set, Puebla front 2/2×4", pumple, with sindle seed. Calleyon del a/o to Sch mud to' correspondences this is called " ahuscate de China", st , black, 3x4" the seed tight in the cavity. Parts well first will dracking have por PUEBLA (NUMBER THIRTEEN) Description: Form, pyriform, not necked; size, medium; dimensions, length, four, diameter, three inches; surface, smooth; color, purple; skin, thick and tough, separating readily from the flesh; flesh, yellow, greenish towards skin; flavor, fine; quality, good; seed, small, tight in eavity; season, September and October at Atlixeo, Mexico, PUEBLA - Another fall fruiting variety, season September and October; a commercial warety. A good commercial warety. A good in the the quarternaland light Inited well Priet northoff . Fall refer No. 14. Mateldi Dion, Calle manuel No. 14 Quen Rastro # 2. agr 25 yrs, Night 35 ft fordo trunk & the . Trust round, 800 on the tree, purple gahra. antience 11 1 0+15 #14 FIGURE 2

14 alo to Achimoto correspondence that is an extra good fruit, 4" in diam, rough black. Variety not growing at W.J.G. No. 15 No. 15. Matalde Dion. age 25 grs, Fuerte. green scaron Oct. and nov. Fuerte. green scaron Oct. and nov. do Schindto correspondence then is considered formerly very good on alleger, and is celled equasate El Funto) de China. Fruit 4×3", milly plavor, sea small tight on cavity. NUMBER FIFTEEN Young trees of this variety are doing well at the present time in California, and it promises to be one of the best medium sized fruits in a commercial way. It is of good shape for packing and shipping and of extra fine quality. Description : Form, oval ; size, medium ; dimensions, length, four, diameter, three inches; surface, somewhat rough; color, green; skin, thick, separating readily from the flesh; flesh, yellow, smooth and buttery; flavor, rich; quality, very good; seed, small, tight in cavity; season, October and November at Atlixeo, Puebla. Unusually strong grower. lipsyst. Bebe every readily The Suma oder the los. FIGURE 3

## The California Ahuacate Association

Has Called a Meeting of its Members for

#### SATURDAY, OCTOBER 23, 1915

At Hotel Alexandria, Los Angeles

The Meeting will be called to order at 9:30 A. M. and continue to 5:00 P. M., with an Intermission from 12:00 to 1:45 P. M.

#### PROGRAM

JUDGE CHARLES SILENT, "Educating the Public"	•	Glendora
PROF. J. J. CONDIT, University of California, "New Items of Interest"	-	Berkeley
PROF. M. E. JAFFA, University of California "Food Value of the Avocado"	-0	Berkeley
WILSON POPENOE, Agricultural Explorer, Department of Agriculture "The Avocado in Florida and Other Lands"		
DR. J. ELIOT COIT, University of California Discussion Leader		Berkeley
2:00 P. M. to 5:00 P. M.		

F. O. POPENOE, President West India Gardens "Varieties" Altadena . DR. H. J. WEBBER, Director of Citrus Experiment Station "Station Work for the Avocado" Riverside C. P. TAFT, Fruit Grower "Things to be Looked Out For" Orange E. B. RIVERS . Los Angeles . . . Marketing J. C. BOSCHE . Los Angeles . Marketing from Mexico EDWIN G. HART, President California Ahuacate Assn. "The Association and its Purpose" Los Angeles Ξ

Anyone interested in the production or marketing of the Ahuacate is invited to be present as a guest of the Association, and all growers are invited to exhibit their fruit. Address CALIFORNIA AHUACATE ASSOCIATION, Los Angeles

FIGURE 4

87 Monday altadena Calif Qt. 25 1915 Topa Grown by E.S. Thacher Topa Nordhoff, Caly. avicato Form solong - pyreform. scarcely necker, weight 8-10 op. length 253/ breadthe 2% ins. bace slender, stim insuited to one side, with no Eastly, apup rounded, with a slight ty at stigmatic point; surface such a very slightly putter gloray puplet the tender, arturing cloudy; fleck deep cream colored pile greenerk near taken, slightly fibrens, of net matty placer, rather dry and menty: seed cavety ling, long, seed cased as hering to its wall. and slever, concal, 2 op must, loosely surround ded by the set costs. questy good, Season . October - november (?).

FIGURE 5

122 Wednesday Dachington D.C. Dec 15 1915 avocado & talking with & n. Callino ne classificlassify - cation of avo cases, he emphasizes the fal-Leaf and flower charactions should be use of Sossible Thurks ley characters of Frost. The may be distinct enough from those of So. American to sover as a character Differentiation of she for flech much more marked in Gust. than in So-Con. lype, and a useful character. Character of seed coots important. Has never seen a Leat funt week love Reed Conto. Thinks three are several types on findaps. species represented among the avocador las quatemala. Thinks my classification satisfactory for freetiles buildons. The name FIGURE 6

83 California Querado association Committee on Darieties and nom enclature. 1. This committee shall consist of a chairman and two other members, to be chosen annually (3) by the executive committee 2. It shale in the duty of this committee to (a) Describe and record all new variation of the average which come to its attention, so that accurate information respecting variaties may to realable to numbers of the association. (b). Consider questions of momenal starse, pertrailarly of new worstee submitted for regestration by the society, and make recommendations concorring the same. (c) Thantain a lest of varieties, which shale induse as for a possible all those ex-test together with all available information concording each, in order that members of the association may at any time be formershed with all available data concerning any variety. (d) Proprie as for prior may diment, secre cardo, rules for priority about in maturel of a technical poladatal chroacter, for construction by the society.

FIGURE 7