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## The Sauer Tree in Time and Place

Kent Mathewson  
*Louisiana State University, kentm@lsu.edu*

Ashley L. Allen  
*Louisiana State University, aale78@lsu.edu*

Victoria Alvarez Manjarrez  
*Universidad Nacional Autónoma de México, cienam.victoria@gmail.com*

Audrey Grismore  
*Louisiana State University and Agricultural and Mechanical College, aa.maass5432@gmail.com*

Mariano Lagos  
*Louisiana State University, mlagos1@lsu.edu*

*See next page for additional authors*

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## The Sauer Tree in Time and Place

### Authors

Kent Mathewson, Ashley L. Allen, Victoria Alvarez Manjarrez, Audrey Grismore, Mariano Lagos, Jessica Rose Simms, and Brett Spencer

## The Sauer Tree in Time and Place<sup>1</sup>

Carl O. Sauer's Latin Americanist genealogical tree provides a prime example of what can be learned and discerned from assembling an academic family tree. The tree comprises Sauer's Latin Americanist PhD descendants. The record is, for the most part, recoverable. Once the basic tree has been assembled, a variety of other questions can be asked, attributes can be distinguished, and connections can be established. These include favored regional locations where research has been done, and areas where it is sparse or absent. Similarly, there are clear shifts in research foci, methodology, and epistemological orientations over time that can be charted and commented on. Overall, this assemblage of Sauer-associated researchers and their doctoral research provides one of the larger tableaux of Latin Americanist geography's history since the 1920s, its personalities and development, and offers some indications of where it is headed.

The construction of academic genealogical trees is largely an exercise or enterprise that awaits historians of geography. While the biographical literature on individual geographers, both monographic and article length, is considerable, and some figures have been singled out for particular attention, work on collectivities associated with individuals is almost non-existent. There is a modest literature on departmental histories, usually in-house documents or book chapters or journal articles in special issues. It would seem that prosopographical work (collective biographical studies) in the history of geography is a promising new arena. Constructing academic "family trees" or genealogies is the logical place to start. It is widely accepted that Sauer inspired and directed a school (the "Berkeley school") with common epistemological and methodological groundings in cultural-historical approaches and perspectives, and with a preponderant regional focus on Latin America. The extent to which this

is empirically validated, can be determined from the data on the tree. Similarly, the extent to which subsequent generations have either adhered to or diverged from the ideal types (topics, regions, periods) that Sauer's own work represents can be charted.

The "total" Carl O. Sauer academic genealogical tree comprises all of the PhD graduates in geography (first generation) that Sauer supervised over four decades (1923-1967), and their students, and so on, now unfolding into the sixth generation. At present, over 1000 dissertators have places on the "total tree," However, this figure may be an undercount by as much as 10-15%. We have relied primarily on ProQuest's data bank, which mainly provides U.S. dissertation information. For the most part, dissertations directed by Sauer legates in universities outside the U.S., especially in Latin America, have yet to be identified and placed on the tree. Sauer had thirty-seven PhD graduates in geography at Berkeley, and one, Darrell Haug Davis at the University of Michigan. Of Sauer's thirty-eight PhD students, half, or nineteen pursued dissertation topics involving Latin America (15) or the Caribbean (4). The common perception is that Sauer's students, and the subsequent descendants, primarily focused on Latin America. However, this turns out to be somewhat of a misconception. Preliminary compilation and tabulation of dissertation data on the "total" Sauer tree, suggests that at most one third (about 320) of the dissertations fall into the Latin America and the Caribbean category. North American-based dissertations are actually the largest group, with about 380 dissertations. About 70 dissertations lack a regional focus, about 60 treat sub-Saharan Africa and South Asia and Europe about 50 each. North Africa and the Middle East were the scenes of about 25 dissertations, East Asia about 20, Southeast Asia and Australia/New Zealand/Oceania about 15 each. Russia, Central Asia, and the global scope have about 5 dissertations each. Once the total tree is completely filled-out, it is likely to constitute the largest number of academic advisee

“descendants” of any North American geographer. Quite possibly it is also the largest in the history of geography.

Although the Latin Americanist dissertations represent less than half of those on the total tree, they almost certainly constitute the largest cohort of Latin American and Caribbean dissertations and dissertators produced in North American geography programs. In addition, it is a dynamic assemblage. Although some of the first generation descendants on the Latin Americanist tree (as depicted in the accompanying table) produced few if any progeny, and other “lines” have ceased growing, a few have been prolific. Most notable here is James J. Parsons’ branch and its offshoots. Of the total of about 325 total dissertators on the Latin Americanist tree, over 200, or about 60% are Parsons’ progeny. And by far it is the most dynamic branch. To date, seven fifth generation Parsons progeny - Mutersbaugh, Wolford, Bryan (Denevan/Nietschmann/Watts line), Sluyter (Denevan/ Turner/Doolittle line), Perreault, Olson (Denevan/Turner/ Bebbington line), and Lansing (Denevan/Coomes/McSweeney line) have extended the tree into the sixth generation. At present there are fourteen sixth generation descendants, but only two have appointments in a geography PhD program. Three others have appointments in non-geography PhD granting programs. We have restricted places on the tree only to those with PhD degrees from geography programs. Only one other branch besides Parsons’, has extended to the fifth generation. This is Clinton Edwards’ line that includes Bill Davidson, Peter Herlihy, Derek Smith, all who have extended the tree with their students.

To our knowledge, this is first attempt to map the entire academic genealogical tree of a geographer with this many first generation descendants. The initial project was to update and fill out the Latin Americanist limb on the tree. Now we have a fairly complete picture of the limb, its branches, and its “twigs.” We have also indicated each dissertation’s temporal focus: 1.

Prehistoric, prior to ca 20,000 BP or before the arrival of humans in the Americas. 2. Pre-Columbian, ca 20,000 BP to 1500 BCE. 3. Colonial, 1500 – 1820. 4. 19<sup>th</sup> Century, 1820-1899. 5. 20<sup>th</sup> Century, 1900-1999. 6. 21<sup>st</sup> Century, 2000 – Present. The trans-generational trend here is decidedly toward the 20<sup>th</sup> century to the present. In the first generation there was one dissertation focused on the prehistoric period, several dealing with pre-Columbian topics, a number with colonial foci and the 19<sup>th</sup> century, and a minority dealing with the 20<sup>th</sup> century to the present. From the third generation on, the emphasis has shifted to the 20<sup>th</sup> and 21<sup>st</sup> centuries. The topical foci have also demonstrated a pronounced movement away from the signature Berkeley school cultural-historical studies of pre-Columbian, colonial, or traditional peoples and their non-urban landscapes toward “nature-society” work grounded, broadly speaking, in a political ecology perspective. Issues such indigenous rights and autonomy, extractive resources, political and policy considerations, sustainable development, conservation planning, and other here-and-now concerns are center stage.

We have also indicated the dissertation’s locational groundings: by nation state, region, or Latin American realm as a whole. From this data we can discern trends over time, or through the generations. Several trends are evident. First, following Sauer’s own primary arena of fieldwork and interest – northern and central Mexico, six out of eight of his first generation Latin Americanist PhDs (1930 – 1946) did Mexican dissertations. Over the next two decades (1948-1967) the locations shifted to the Caribbean, Central America, and South America, with eight dissertations in these regions, and only two in Mexico.

The overall patterns for subsequent generations still has Mexico as a favored location with almost one third of the dissertations (ca 100), followed by about a sixth of the dissertations for the Andean region (Ecuador, Peru, Bolivia) (ca 52) and about a sixth for Central America (ca

50). The northern region (Colombia, Venezuela) and Southern Cone (Chile, Argentina, Paraguay) of South America, and Brazil each have similar numbers (ca 20). The Guianas, Uruguay, and two-thirds of the Lesser Antilles are not represented. A dozen dissertations have “regional” scopes not bound by single nations or colonies.

This depiction and discussion of Carl O. Sauer’s genealogical tree has only traced the outlines. No doubt, branches and twigs are missing and need to be identified and added. Whether Carl Sauer set out consciously to construct a “school” or “invisible college” and guide its members in paradigmatic directions with recognized perspectives and practices is debatable. What is abundantly clear, whether consciously or not, Carl Sauer set in motion a recognizable enterprise that has spawned hundreds of descendants, with dozens adhering to predilections, practices, and perspectives that Sauer himself favored and fostered. But it is less certain how much longer, or how vigorously, the tree will continue grow. There is clearly a diminution of academic appointments to positions in PhD granting programs among members of the fifth and sixth generations. One can only speculate as to the causes. Perhaps fewer jobs for Latin Americanists with a Berkeley school orientation (broadly defined) in PhD granting geography departments? Or dissertation topics and research foci that are less “marketable” than in the past? Or an overall weakening of the Berkeley school “network” over time? What is not in question, is that Sauer and his several hundred Latin Americanist legatees, have made indelible marks and tracks on the face and course of Latin Americanist geography.

## Sauer Tree in Time and Place

**Legend: 1 = Prehistoric, 2 = Pre-Columbian, 3 = Colonial, 4 = 19<sup>th</sup> Century, 5 = 20<sup>th</sup> Century, 6 = 21<sup>st</sup> Century**

**Note:** Brackets [] indicates non-Latin American PhD dissertation; Asterisk indicates dissertation with co-chair.

1. [John Leighly 1927]
  - 1.1 [Clyde Patton 1953]
    - 1.1.1 Wolfram Drewes 1957 **Peru 5**
2. Fred B. Kniffen 1930 **Mexico 5**
  - 2.1 [William McIntire 1954]
    - 2.1.2 Jorge Xavier da Silva 1973 **Brazil 5**
  - 2.2. [H. Jesse Walker 1960]
    - 2.2.1 Klaus Meyer-Arendt 1987 **Mexico 5**
    - 2.2.2 Michael K. Harris 1979 **Mexico 5**
3. Peveril Meigs 1932 **Mexico 3**
4. Donald Brand 1933 **Mexico**
  - 4.1 Pablo Guzman-Rivas 1960 **Mexico 3**
    - 4.1.1 Walter N. Duffett 1969 **Mexico 5**
  - 4.2 Margaret Smith 1961 **Mexico 5**
  - 4.3 Alfonso Gonzalez 1962 **Mexico 5**
5. [Joseph E. Spencer 1935]
  - 5.1 Bert Golomb 1965 **Mexico 1**
  - 5.2 Chris Field 1966 **Region – Andean 2 - 5**
  - 5.3 [Gerry Hale]
    - 5.3.1 [Garth Myers]
      - 5.3.1.1 Jack Livingston 2001 **St. Vincent 5**
  - 5.4 Kenneth R. Ruddle 1970 **Colombia/Venezuela 5**
  - 5.5 John D. Rees 1971 **Mexico 5**
  - 5.6 James S. Kus 1972 **Peru 5**
6. [John E. Kesseli 1938]
  - 6.1 Edwin H. Hammond 1951 **Mexico 5**
  - 6.2 John H. Vann 1959 **Colombia 5**
7. Henry J. Bruman 1940 **Mexico 4 - 5**
  - 7.1 Robert C. Eidt 1955 **Colombia 5**
    - 7.1.1 Mario Hiraoka 1974 **Brazil 5**
    - 7.1.2 Keith Muller 1987 **Brazil 5**



- 7.2 John F. Bergmann 1959 **Guatemala 2-3**
  - 7.2.1 W. George Lovell 1980 **Guatemala 3**
    - 7.2.1.1 Catherine Nolin 2000 **Guatemala/Canada 5**
    - 7.2.1.2 Giselle Valarezo\* 2012 **Guatemala/Canada 5**
    - 7.2.1.3 Victoria Henderson 2016 **Region General 5**
    - 7.2.1.4 Alexandra B. Pedersen 2018 **Guatemala 5**
  - 7.3 Norman R. Stewart 1963 **Paraguay 5**
  - 7.4 David A. Henderson 1964 **Mexico 4-5**
  - 7.5 William J. Ketteringham 1972 **Brazil 5**
  - 7.6 Ramon da Penia, Jr. 1976 **Belize 5**
  - 7.7 James R. Powers 1978 **Mexico 5**
  
- 8. [Leslie Hewes 1940]
  - 8.1 Charles F. Calkins 1974 **Mexico 3-5**
  - 8.2 Aiden R. Longwell 1974 **Mexico 5**
  
- 9. Robert G. Bowman 1941 **Puerto Rico 5**
  - 9.1 Kermit M. Laidig 1955 **Puerto Rico 5**
  
- 10. Felix W. McBryde 1941 **Guatemala 3-5**
  - 10.1 George Beishlag 1953 **Puerto Rico 5**
  - 10.2 William W. Burchfiel, Jr. 1953 **Puerto Rico 5**
  - 10.3 Ching C. Chang 1956 **Latin America/Cuba/Jamaica 5**
  
- 11. [George F. Carter 1942]
  - 11.1 Edward C. Higbee 1949 **Guatemala 5**
  - 11.2 James G. Nelson 1959 **Ecuador 2-5**
  - 11.3 Mary Lee Nolan 1972 **Mexico 5**
  - 11.4 Glenn R. Whitley 1976 **Region – General 2**
  
- 12. Dan Stanislawski 1944 **Mexico 3-5**
  
- 13. [Andrew H. Clark 1944]
  - 13.1 Clarissa Kimber 1969 **Martinique 5**
    - 13.1.1 Clifton V. Dixon 1988 **Mexico 5**
    - 13.1.2 Michael A. Camille 1994 **Belize 5**
    - 13.1.3 Douglas J. Claycomb 1999 **Ecuador 5**
  
- 14. Robert C. West 1946 **Mexico 3**
  - 14.1 Robert Fuson 1958 **Panama 5**
  - 14.2 Robert Andrlé 1964 **Mexico 5**
  - 14.3 Norbert P. Psuty 1966 **Mexico 5**
  - 14.4 Alan K. Craig 1966 **British Honduras 5**
  - 14.5 John J. Winberry 1971 **Mexico 3-5**
    - 14.5.1 David J. Truly 2001 **Mexico 5**
  - 14.6 Samuel R. Sheldon **Mexico 5**

- 15. James J. Parsons 1948 **Colombia 3-5**
  - 15.1 Charles S. Alexander 1955 **Venezuela 5**
    - 15.1.1 William A. Finch 1965 **Mexico 5**
    - 15.1.2 Warren R. Fish 1972 **Mexico 5**
  - 15.2 [Ward Barrett]
    - 15.2.1 Richard Blood 1972 **Mexico 3**
    - 15.2.2 Frank J. Pucci 1993 **Mexico 3**
    - 15.2.3 Virgil H. Holder 1976 **Mexico 5**
  - 15.3 John M. Street 1959 **Haiti 3-5**
    - 15.3.1 Geoffrey A.J. Scott 1974 **Peru 5**
  - 15.4 Campbell W. Pennington 1959 **Mexico 5**
    - 15.4.1 Reynaldo Ayala Vallejo 1971 **Mexico 5**
    - 15.4.2 Lydia M. Pulsipher 1977
      - 15.4.2.1 Victoria Berry 1999 **Montserrat 3-5**
      - 15.4.2.2 Michael Cornebise 2003 **Cuba 5**
  - 15.5 [Alvin W. Urquhart 1962]
  - 15.6 William M. Denevan 1963 **Bolivia 2-3**
    - 15.6.1 Daniel W. Gade\*
- 1967 **Peru 5**
  - 15.6.2 Bernard Q. Nietschmann 1970 **Nicaragua 4-5**
    - 15.6.2.1 James N. Snaden 1974 **Mexico 5**
    - 15.6.2.2 [Michael Watts 1979]
      - 15.6.2.2.1 Roger A. Clapp 1993 **Chile 5**
      - 15.6.2.2.2 Edward Whitesell 1993 **Brazil 5**
      - 15.6.2.2.3 Tad Mutersbaugh 1994 **Mexico 5**
        - 15.6.2.2.3.1 Patricia Solis 2002 **Argentina 5**
      - 15.6.2.2.4 Carolyn R. Trist 2000 **St. Lucia 5**
      - 15.6.2.2.5 Wendy Wolford 2001 **Brazil 5**
        - 15.6.2.2.5.1 Holly M. Worthen 2012 **Mexico 5**
        - 15.6.2.2.5.1 Brenda C. Baletti 2012 **Brazil 5**
        - 15.6.2.2.5.1 Elizabeth A. Hennessy 2014 **Ecuador 5**
      - 15.6.2.2.6 Bobrow-Strain 2003 **Mexico 5**
      - 15.6.2.2.7 Joe Bryan 2007 **Nicaragua 5**
        - 15.6.2.2.7.1 Joel Correia 2017 **Paraguay 5**
      - 15.6.2.2.8 Alejandro Guarín 2009 **Colombia 5**
      - 15.6.2.2.9 Daniel A. Graham 2009 **Honduras 5**
      - 15.6.2.2.10 Joshua I. Jelly-Shapiro 2011 **Caribbean 5**
      - 15.6.2.2.11 Teofilo Ballve 2015 **Colombia 5**
      - 15.6.2.2.12 Gustavo de L. T. Oliveira 2017 **Brazil 5**
    - 15.6.2.3 Wayne Bernhardson 1989 **Falklands 4-5**
    - 15.6.2.4 Shirley D. Hoffman 1993 **Venezuela 5**
    - 15.6.2.5 Jeannine Koshear 1995 **Costa Rica 5**
    - 15.6.2.6 Neusa W. Hidalgo-Monroy 1996 **Mexico 5**
  - 15.6.3 Roger Bryne 1972 **Bahamas 5**
    - 15.6.3.1 Sally Horn 1986 **Costa Rica 2-5**

- 15.6.3.1.1 Lisa Kennedy 2003 **Dominican Republic 2-5**
- 15.6.3.1.2 Martin Arford 2007 **Costa Rica 1-5**
- 15.6.3.1.3 Chad S. Lane\* 2007 **Dominican Republic**
- 15.6.3.1.3 Maria Caffrey 2011 **Dominican Republic 1-5**
- 15.6.3.1.4 Erik Johanson 2016 **Costa Rica/Dominican Rep. 2-5**
- 15.6.3.2 Robert Dull 2001 **El Salvador 1-5**
- 15.6.3.3 Mariaelena Conserva 2003 **Mexico 1-5**
- 15.6.3.4 David Wahl 2005 **Guatemala 2-5**
- 15.6.3.5 Jungjae Park 2005 **Mexico 2-5**
- 15.6.3.6 Dyuti Sengupta 2012 **Mexico 2-5**
- 15.6.4 Roland Bergman 1974 **Peru 5**
- 15.6.5 Billie Lee Turner, II 1974 **Mexico 2-3**
  - 15.6.5.1 William Doolittle 1979 **Mexico 2**
    - 15.6.5.1.1 Dean Lambert 1992 **Mexico 5**
    - 15.6.5.1.2 Andrew Sluyter 1995 **Mexico 3**
      - 15.6.5.1.2.1 Richard W. Hunter 2009 **Mexico 3**
      - 15.6.5.1.2.2 Amy E. Potter 2011 **Barbuda 5**
      - 15.6.5.1.2.3 James Powell Chaney 2013 **Mex/Hond/U.S. 5**
      - 15.6.5.1.2.4 Jamie Worms 2015 **Brazil 5**
      - 15.6.5.1.2.5 Case Watkins 2015 **Brazil 3-5**
      - 15.6.5.1.2.6 Ginés A. Sánchez 2018 **Panama 5**
    - 15.6.5.1.3 Emily H. Young 1995 **Mexico 5**
    - 15.6.5.1.4 Norman D. Johns 1996 **Brazil 5**
    - 15.6.5.1.5 Philip L. Crossley 1998 **Mexico 5**
    - 15.6.5.1.6 Eric Perramond 1999 **Mexico 5**
    - 15.6.5.1.7 Jerry O. Bass, Jr. 2003 **Honduras 5**
    - 15.6.5.1.8 Maria G. Fadiman\* 2003 **Ecuador 5**
    - 15.6.5.1.9 Matthew J. Fry 2008 **Mexico 5**
    - 15.6.5.1.10 Matthew C. LeFevor 2014 **Mexico 5**
    - 15.6.5.1.11 Joshua M. Rudow 2016 **Peru 5**
  - 15.6.5.2 Thomas M. Whitmore 1990 **Mexico 3**
    - 15.6.5.2.1 Brandie L. Fariss 2007 **Peru 5**
    - 15.6.5.2.2 Clark L. Gray 2008 **Ecuador 5**
  - 15.6.5.3 Anthony J. Bebbington 1990 **Ecuador 5**
    - 15.6.5.3.1 Thomas A. Perreault 2000 **Ecuador 5**
      - 15.6.5.3.1.1 Elvin E. Delgado 2012 **Venezuela 5**
    - 15.6.5.3.2 Jeffrey Bury 2001 **Peru 5**
    - 15.6.5.3.3 Donna D. Rubinoff 2004 **Costa Rica 5**
    - 15.6.5.3.4 Elizabeth Olson 2005 **Peru 5**
      - 15.6.5.3.4.1 Anthony B. Furlong\* 2012 **Brazil 5**
      - 15.6.5.3.4.2 Brett S. Matulis\* 2015 **Costa Rica 5**
    - 15.6.5.3.5 Leonith Hinojosa 2006 **Peru 5**
    - 15.6.5.3.6 George Holmes\* 2009 **Dominican Republic 5**
    - 15.6.5.3.7 Jorge Castro 2010 **Colombia 5**
    - 15.6.5.3.8 Johan Oldekop\* 2011 **Ecuador 5**
    - 15.6.5.3.9 Kirsten Howarth\* 2012 **El Salvador 5**

- 15.6.5.3.10 Maura Duffy\* 2012 **Venezuela 5**
- 15.6.5.3.11 Ximena Waamars\* 2014 **Ecuador/Peru 5**
- 15.6.5.3.12 Hugo Romero\* 2014 **Chile 5**
- 15.6.5.3.13 Mireya Bravo 2016 **Peru 5**
- 15.6.5.4 Yelena Ogneva-Himmelberger 1998 **Mexico 5**
- 15.6.5.5 Brad Jokisch 1998 **Ecuador 5**
- 15.6.5.6 Peter Klepeis 2000 **Mexico 5**
- 15.6.5.7 Eric Keys 2002 **Mexico 5**
  - 15.6.5.7.1 Joysee M. Rodriguez 2013 **Mexico**
  - 15.6.5.7.2 Claudia M. Monzon 2013 **Mexico**
- 15.6.5.8 Steven Manson 2002 **Mexico 5**
- 15.6.5.9 Rinky R. Chowdhury 2003 **Mexico 5**
- 15.6.5.10 Laura Schneider 2004 **Mexico 5**
  - 15.6.5.10.1 Irene Zager 2014 **Mexico 5**
- 15.6.5.11 Claudia Radel 2005 **Mexico 5**
- 15.6.5.12 Pablo Pacheco 2005 **Bolivia/Brazil 5**
- 15.6.5.13 Aaron Pollack 2005 **Guatemala 3**
- 15.6.5.14 Jacqueline Vadjunec 2007 **Brazil 5**
- 15.6.5.15 Ximena Rueda 2007 **Mexico 5**
- 15.6.5.16 Birgit Schmook 2008 **Mexico 5**
- 15.6.5.17 Anna Versluis 2008 **Haiti 5**
- 15.6.5.18 Kirsten Barrett 2008 **Brazil 5**
- 15.6.5.19 Jacob Brenner 2008 **Mexico 5**
- 15.6.5.20 Rebecca Dickson 2008 **Mexico 5**
- 15.6.5.21 Zachary Christman 2010 **Mexico 5**
- 15.6.5.22 Elia Machado 2010 **Mexico 5**
- 15.6.5.23 Marco Millones 2012 **Mexico 5**
- 15.6.6 Mary Daum 1977 **Venezuela 5**
- 15.6.7 Stuart White 1981 **Peru 5**
- 15.6.8 Hildegardo Cordova 1982 **Peru 5**
- 15.6.9 Gregory W. Knapp 1984 **Ecuador 2-5**
  - 15.6.9.1 Deborah Salazar 1995 **Venezuela 5**
  - 15.6.9.2 Karl Offen 1999 **Nicaragua 2-5**
  - 15.6.9.3 Juanita Sundberg 1999 **Guatemala 5**
    - 15.6.9.3.1 Maija Heimo 2005 **Mexico 5**
    - 15.6.9.3.2 Kevin A. Gould\* 2009 **Guatemala 5**
    - 15.6.9.3.3 Claudia Sepulveda 2016 **Chile 5**
  - 15.6.9.4 Maria E. Christie 2002 **Mexico 5**
  - 15.6.9.5 Mary M. Brook 2004 **Nicaragua 5**
  - 15.6.9.6 Cyrus B.H. Reed 2006 **Mexico 5**
  - 15.6.9.7 David Salisbury 2007 **Region – Amazonian Border 5**
  - 15.6.9.8 Katia Aviles Vazquez 2014 **Puerto Rico 5**
  - 15.6.9.9 Gregory Schwartz 2015 **Costa Rica 5**
- 15.6.10 Kent Mathewson 1987 **Ecuador 3-5**
  - 15.6.10.1 Michael Yoder 1995 **Costa Rica 5**
  - 15.6.10.2 Michael K. Steinberg 1999 **Belize 5**

- 15.6.10.3 Scott S. Brown 1999\* **Mexico 5**
- 15.6.10.4 Steven J. Rainey 2001 **Guatemala 5**
- 15.6.10.5 Jörn Seemann\* 2010 **Brazil 3-5**
- 15.6.11 John Treacy 1989 **Peru 2-5**
- 15.6.12 David McGrath 1989 **Brazil 5**
- 15.6.13 Oliver Coomes 1992 **Peru 5**
  - 15.6.13.1 Kendra McSweeney 2000 **Honduras 5**
    - 15.6.13.1.1 Julie M. Weinert 2008 **Ecuador 5**
    - 15.6.13.1.2 David M. Lansing 2009 **Costa Rica 5**
    - 15.6.13.1.3 Zoe Pearson 2016 **Bolivia 5**
  - 15.6.13.2 Christian Abizaid 2007 **Peru 5**
  - 15.6.13.3 Jennifer Webb 2010 **Region – Andean Oriente 5**
  - 15.6.13.4 Sarah Wilson 2014 **Region – Andean 5**
  - 15.6.13.5 Gillian Gregory 2015 **Peru 5**
  - 15.6.13.6 Tim Holand 2016 **Peru 5**
- 15.6.14 Laurie Greenburg 1996 **Mexico 5**
- 15.6.15 Robert Langstroth 1996 **Bolivia 2-5**
- 15.6.16 Michael Castellon 1996 **Guatemala 5**
- 15.6.17 Lourdes Giordani 1997 **Venezuela 5**
- 15.6.18 Sarah O. Brooks 1998 **Peru 2**
- 15.6.19 Joseph McCann 2004 **Brazil 5**
- 15.7 David R. Harris 1963 **Antigua, Barbuda & Anguilla 5**
  - 15.7.1 Linda Newson 1972 **Trinidad & Tobago 2-3**
    - 15.7.1.1 Christopher Walters 2000 **Ecuador 3**
    - 15.7.1.2 Caterina Pizzigoni 2002 **Mexico 3**
    - 15.7.1.3 Claudia Murray 2008 **Argentina 3**
    - 15.7.1.4 Jemina Miéville 2008 **Mexico 3**
    - 15.7.1.5 Jaime Moreno 2009 **Ecuador 4-5**
  - 15.7.2 Luisa F. Herrera de Turbay 1983 **Colombia 5**
  - 15.7.3 Barbara M. Welch 1989 **Region – Eastern Caribbean 5**
- 15.8 Leland R. Pederson 1965 **Chile 5**
  - 15.8.1 Richard Keese 1996 **Ecuador 5**
  - 15.8.2 John D. Blackburn 1993 **Mexico/U.S. 5**
  - 15.8.3 Stephen A. McElroy 1994 **Peru 5**
- 15.9 Gene C. Wilken 1967 **Mexico 5**
- 15.10 James R. Krogzemis 1968 **Colombia 3-5**
- 15.11 David R. Radell 1969 **Nicaragua 3**
- 15.12 Elinore M. Barrett 1970 **Mexico 3-5**
- 15.13 [Christopher L. Salter 1970]
  - 15.13.1 Daniel D. Arreola 1980 **Mexico 4-5**
    - 15.13.1.1 John P. Harner 1997 **Mexico 5**
    - 15.13.1.2 William F. Manger 2002 **Mexico 5**
    - 15.13.1.3 Kenneth M. Sutton 2009 **Mexico 5**
    - 15.13.1.4 Scott D. Warren 2015 **Mexico 5**
- 15.14 Peter Rees 1971 **Mexico 3-5**
- 15.15 [Robin W. Doughty 1971]

- 15.15.1 Serge L. Dedina 1996 **Mexico 5**
  - 15.15.2 Martha P. Perez 2001 **Haiti 5**
  - 15.16 Thomas T. Veblen 1975 **Guatemala 3-5**
    - 15.16.1 Kenneth Young 1990 **Peru 5**
      - 15.16.1.1 Jennifer K. Lipton 2008 **Peru 5**
      - 15.16.1.2 Pomara Lazarus 2010 **Peru 5**
    - 15.16.2 Bruce R. Burns 1991 **Argentina 5**
    - 15.16.3 Antonio Lara 1991 **Chile 5**
    - 15.16.4 Thomas Kitzberger 1994 **Argentina 5**
    - 15.16.5 Philip L. Keating 1995 **Ecuador 5**
    - 15.16.6 Ricardo Villalba 1995 **Argentina 5**
    - 15.16.7 Ricardo Grau 1999 **Argentina 5**
    - 15.16.8 Dianne L. Daniels 2000 **Argentina 5**
    - 15.16.9 Mauro E. Gonzalez 2002 **Chile 5**
    - 15.16.10 Kathleen A. Farley 2002 **Ecuador 5**
      - 15.16.10.1 Leah L. Bremer 2012 **Ecuador 5**
    - 15.16.11 [Dominik W. Kulakowski 2002]
      - 15.16.11.1 Esteban Rossi 2014 **Nicaragua 5**
    - 15.16.11 Stacy A. Drury 2006 **Mexico 5**
    - 15.16.12 Carlos A. Holz 2009 **Chile 5**
    - 15.16.13 Juan Paritsis 2009 **Argentina 5**
  - 15.17 Janet C. Schuh 1977 **Peru 5**
  - 15.18 Merle G. Fish 1977 **Mexico 5**
  - 15.19 Michael E. Murphy 1984 **Mexico 3-5**
  - 15.20 Karl S. Zimmerer 1988 **Peru 5**
    - 15.20.1 Antoinette WinklerPrins 1999 **Brazil 5**
      - 15.21.1.1 Gary R. Schnakenberg 2013 **Jamaica 5**
    - 15.20.2 Christian Brannstrom 1998 **Brazil 4-5**
      - 15.21.2.1 Fiona C. Wilmot 2014 **El Salvador 5**
      - 15.21.2.2 Anna N. Santos 2015 **Brazil 5**
    - 15.20.3 Christopher J. Rosin 2004 **Southern Cone 5**
    - 15.20.4 Eric D. Carter 2005 **Argentina 4-5**
    - 15.20.5 Ryan E. Galt 2006 **Costa Rica 5**
    - 15.20.6 Fernando L. Gonzalez 2009 **Peru 5**
    - 15.20.7 Martha Bell 2013 **Peru 3**
16. [Edward Price 1950]
- 16.1 Jane Pyle 1968 **Mexico 5**
  - 16.2 [Richard V. Francaviglia 1970]
    - 16.2.1 Robert M. Sherwood 2008 **Mexico 3-4**
17. [Wilbur Zelinsky 1953]
- 17.1 Gary A. Fuller 1972 **Chile 5**
18. Edwin B. Doran 1953 **Cayman Islands 5**

19. Philip L. Wagner 1953 **Costa Rica 5**
20. Homer H. Ashmann 1954 **Mexico 3**
  - 20.1 Conrad J. Bahre 1974 **Chile 3-5**
  - 20.2 David H. Rhys 1976 **Argentina 4-5**
21. Brigham Arnold 1954 **Mexico 1**
22. [David E. Sopher 1954]
  - 22.1 Richard Symanski 1971 **Colombia 5**
  - 22.2 [James Duncan 1977]
    - 22.2.1 Heidi Scott 2002 **Peru 3**
    - 22.2.2 Simon Reid-Henry 2003 **Cuba 5**
23. Burton L. Gordon 1954 **Colombia 3-5**
24. Gordon C. Merrill 1957 **St. Kitts & Nevis 3-4**
25. Donald Q. Innis 1959 **Jamaica 5**
26. Carl L. Johannessen 1959 **Honduras 2-5**
  - 26.1 William A. Davenport 1971 **Mexico 1**
  - 26.2 Michael R. Wilson 1972 **Guatemala 5**
  - 26.3 Artimus Millet 1974 **Guatemala 5**
  - 26.4 Luis A. Ferrate-Felice 1977 **Guatemala 5**
27. [Marvin W. Mikesell 1959]
  - 27.1 A. David Hill 1964 **Mexico 5**
    - 27.1.1 Reuben H. Brooks 1972 **Brazil 5**
    - 27.1.2 Harold E. Jackson 1973 **Mexico 5**
    - 27.1.3 Eugene P. Parker 1981 **Brazil 5**
    - 27.1.4 Vicki McVey-Dow 1986 **Mexico 5**
    - 27.1.5 R. Lowell Fey 1988 **Mexico 5**
  - 27.2 Sarah K. Meyers 1971 **Peru 5**
  - 27.3 [Douglas Johnson 1972]
    - 27.3.1 [Paul Robbins 1995]
      - 27.3.1.1 Katharin Meehan 2010 **Mexico/U.S. 5**
      - 27.3.1.2 Heidi Hauserman 2010 **Mexico 5**
      - 27.3.1.3 Raphael Routsen 2012 **Mexico 5**
      - 27.3.1.4 Brittany Davis 2014 **Honduras 5**
  - 27.4 [Carville Earle 1973]
    - 27.4.1 Robert W. Aguirre 1999 **Panama 5**
  - 27.5 Jack A. Licate 1975 **Mexico 3**
  - 27.6 John A. Kirchner 1979 **Argentina 5**
  - 27.7 [Alexander Murphy 1987]
    - 27.7.1 David J. Keeling 1992 **Argentina 5**

28. Clinton Edwards 1962 **Region – South America**
- 28.1 William V. Davidson 1972 **Honduras 3-4**
- 28.1.1 Peter H. Herlihy 1986 **Panama 5**
- 28.1.1.1 Derek Smith 2003 **Nicaragua 5**
- 28.1.1.1.1 France-Lise Colin 2010 **Panama 5**
- 28.1.1.1.2 Andrea Carrion 2016 **Ecuador 5**
- 28.1.1.2 Roberto Castillo Vasquez 2004 **Costa Rica 5**
- 28.1.1.3 David M. Cochran 2005 **Honduras 5**
- 28.1.1.4 John H. Kelly 2013 **Mexico 5**
- 28.1.1.4 Andrew M. Hilburn 2014 **Mexico 5**
- 28.1.2 Peter Gavin 1991 **Region – Caribbean 3**
- 28.1.3 Edward C. Britton 1993 **Haiti 5**
- 28.1.4 Scott Brady 1996 **Honduras 3-5**
- 28.1.5 James R. Samson 1997 **Honduras 5**
- 28.1.6 Taylor Mack 1997 **Honduras 3-5**
- 28.1.7 Terry S. Mitchell 1997 **Honduras 5**
- 28.1.8 Benjamin F. Tillman 1999 **Honduras 4-5**
- 28.1.9 Craig Revels 2002 **Honduras 3-5**
- 28.2 David L. Miller 1982 **Mexico 5**
- 28.3 [William Woods 1986]
- 28.3.1 Jonathan B. Thayn 2009 **Brazil 5**
- 28.3.2 Lilian Rebellato 2011 **Brazil 2**
- 28.4 Renae Prell 1992 **Mexico 5**
29. Leonard H. Sawatsky 1967 **Mexico 5**

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