



The Explorers Club Northern California Chapter NOVEMBER 2021

Also available at our web site: <http://www.explorersnorca.org>

**MONTHLY MEETING
FRIDAY 19 NOVEMBER 2021
GATHER BY ZOOM INVITATION**

UP-TO-DATE EXPLORATION OF MEXICO'S BURIED HISTORY Archaeology with the latests in Exploration Techniques For Ancient as well as more Modern Objectives by Dr. Robert Junco.

To follow up on the Zoom presentation of September on underwater archaeological exploration in Canada, November's Zoom meeting will feature Dr. Roberto Junco describing some of the different underwater archaeological sites being studied in Mexico at present.

Taking us from the prehistoric remains inside underwater caves of the first settlers of the Yucatan to the search for the conqueror Hernan Cortes' lost



fleet, to an American Submarine of the I WW in the coast of Baja California. He will discuss the different sites, time



periods, approaches and techniques used to explore, document, and share with the public the richness of Mexico's underwater cultural heritage.



It is interesting to see the ways in which geophysical exploration methods that evolved in the search for minerals have found a new application in the field of archaeology, both on land in over the ocean.

Dr. Junco is in the field and will be zooming to us from Port Royal, Jamaica (if all goes well with the internet connection).

Dr. Roberto Junco is an archaeologist graduated from the National School of Anthropology and History (ENAH) where he studied for a master's degree and PhD in Archeology. He received a diploma in Historical Archeology from the University of Leicester, United Kingdom. He is currently an Affiliated Scholar of the Institute of Nautical Archeology, member of the Society for Historical Archeology, ICOMOS and Board Member of ACUA. He has been in charge of the Underwater Archeology office of INAH since 2017, where he has been working since 2004. Among the projects he has directed are: Underwater Archeology in the Volcano Nevado de Toluca; Manila Galleon, Baja California; Maritime Archeology of the Port of Acapulco and Underwater Archeology in Villa Rica.



HONOR ROLL
Paid up Dues 2021

MEMBERS

Alexander, James
Alexander, Linda
Allan, James
Amaral, Julia
Austin, Jenifer
Ballou, Philip
Berg, Barbara
Bolt, Kendra
Boothe, Joan
Chambers, Kimberley
Chang, Joyce
Chase, H. Keith
Chirurg, J. Thom
Cohn, Francesca
Cook, Sandra
Cooper, Alan
Dana, Don
Dietz, Thomas
Diggles, Michael
Dolan, Thomas
Durbin, Thomas
Dvorak, Don
Dvorak, Elaine
Estey, Sue
Eustace, (Robert) Alan
Ewing, Lesley
Fadiman, Maria
Ford, Art
Fox, Susan
Freitas, Anna
Freitas, Paul
Friedman, James
Friedman, Lincoln
Gontcho A Gontcho, Satya
Hemming, Peter
Hermaly, Brendan
Heydorn, William
Higgins, Robert J.
Horne, William
Hutchison, Alan
Jake, Krist
Jepsen, Anders
Kelley, James
Klein, Ronald
Kvenvolden, Keith
Langan, Lee
Lapham, Ellen
Laverty, Laurence
Lee (Akey), Katherine
Meniketti, Marco
Miller, Gregory
Nishimine, Kendall
O'Kane, Teresa
Prigoff, Jim
Ross, Sandra Miller
Saber, Rick
Schmieder, Bob
Smith, Steve
Straka, Bill
Tarter, Jill
Weil, James
Winter, Mordechai
Worden, Simon
Wren, Sherry

SIRDARs

Adams, Ralph Wyatt Jr.
Arroz, Linda
Baye, Karin
Boothe, Barry
Brandt, James
Clever, Karoli
Cohn, Lawrence
Crowder, Wendy
Dolan, Kathy
Durighello, Joy
Elkus, Nancy
Friedman, Christen
George, Marianne (Mimi)
Gorenberg, Pete
Grubbs, Melodie
Hirzel, David
Hutchison, Ann
Isaac, Nancy
Jepsen, Kathy
Johnson, Fred
Judd, Kathy
Langan, Karine
Longo-Cohn, Mary
Mani, Cassandra (Cassie)
Messerly, Ed
Nikas, A. James III
Novotny, Margaret
Oesterle, Matt
O'Keefe, Bonny
Patterson, Tom
Pennathur, Sudha
Phillips, William McKinley III
Reddy, Shridhar
Rolandson, Matthew
Saber, Aldeana
Schmieder, Kay (Kathleen)
Stewart, Zach
Straka, Barbara
Townsend, Tiffany
Van Austen, Bob
Van Austen, Judy
Walker, Nigel
Weiman, Mark
Yoder, Karl

Words From the Vice Chair:

As Tom continues his recuperation the club continues to move forward with plans for the year ahead. This month we have a terrific speaker who will join us from the field. In December we will have our on-line holiday meeting as we did last year. Guests are being lined up for our speaker series during regular meetings, and we continue to add new members. At this time no decision has been made regarding meeting in-person. That will have to wait until circumstances surrounding Covid improve. Until then it is prudent to continue meeting on-line. There are times when it seems the momentum of the club is waning, but that is simply fallout from our long hiatus from in-person gatherings. Our chair is little-by-little gathering his strength and we hope will be able to guide us once again soon. The National organization continues to sponsor outstanding programs on-line from the headquarters and this remains a great way to feel connected.

Marco Meniketti FN'10



EDITOR'S NOTE:

I was able to speak with our Chair, Tom Dolan MN'14, on Monday who reported that he was on a recovery program and was looking forward to being back with us at a monthly meeting soon. He asked me to extend his greetings to all of the Chapter members. **AJ**

ADVANCES IN OBSERVING THE WILDFIRE ENVIRONMENT
Understanding the role of fire-atmosphere interactions on the fire spread
Chapter Zoom by Professor Craig Clements on October 15, 2021

Dr. Clements provided us with an interesting presentation of his RaDFIRE research program and study of how fires can create their own weather. His research sprang from a combination of his enthusiasm with mountain trekking and his interest in fire. Fire researchers like Craig use both unplanned and prescribed burns to measure a range of fire details and they have helped add forecasting efforts to assist fire fighters.

For example, his group now launches weather balloons for hyper-local weather and use their models to forecast fire movement such as the recent South Lake Tahoe and Alisal Fires. Despite the values of these models, it can sometimes be difficult to get all the data they would like. Collecting data during a large fire presents many constraints and some even exist for planned burns. One planned burn, for about 2,000 hectares in the Spanish Pyrenes raised international concerns since the fire would be close to the French border.

Dr. Clements explained some of the different types of fires and the various fire conditions. Flat terrain fires in grasslands tend to burn at 800 to 1,000 C, with convective currents carrying the hottest portion of the fire above the surface and they tend to reach a steady travel speed. Canyon fires, on the other hand, can have 'blow-up' conditions and accelerate upslope, induced by a pressure difference.

Dr. Craig B. Clements is a Professor in the Department of Meteorology and Climate Science at San José State University and Director of the Fire Weather Research Laboratory. He received his Ph.D. in Geophysics at the University of Houston, M.S. in Meteorology at the University of Utah, and B.S. in Geography at the University of Nevada, Reno. His research group focuses on observations and measurements of extreme fire behavior and fire-atmosphere interactions near active wildfires.

Lesley Ewing FN'93

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Northern California Chapter
Established 1973



CHAPTER OFFICERS & TEAM

Chair: Tom Dolan MN'14
tdolan@outdoorstorms.com
Vice Chair: Marco Meniketti FN'10
Secretary: Joyce Chang MN'17
Treasurer: Anna Freitas MN'17
Treasurer@explorersnorca.org
Webmaster: Mike Diggles FN'92
Newsletter: Anders Jepsen FN'03
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2021

November 19 Dr Roberto Junco
Caribbean Archaeology Zoom
December Holiday Celebrations TBD

2019

October 25 Michelle Westmorland
Headhunters Revisited. Dolan
November 22 Dr. Barbara Bekins
Windows into Subduction Dolan
December 15 Holiday Party
. Home of Rick and Aldeana Saber

2020

January 24 Dr. Jo Anne Van Tilburg
Easter Island Dolan
February 28 Dr. Robert Griffith
Endangered Rhinos Dolan
March 27 Cheryl Leonard
Found Objects and Music RESCHEDULED
April 24 Dr. Paul Auerbach
Enviromedics RESCHEDULED
May 24 Dr. Sandra Cook
Foreign Devils on Silk Rd RESCHEDULED
May 22, 9:30 AM: Roz Savage
The Gift of Solitude ZOOM Presentation
May 29, 7:30 PM ZOOM ANNUAL MEETING
June 5, 8 PM. Eliot Jessup
24 hr Grand Canyon Rim-to-Rim. Zoom
September 20 Explorers Club Chapter VP
Intro to Northern California Chapter Zoom
September 25 Liz Taylor and Sylvia Earle
Mission Blue- Hope Spots. Zoom
October 30 Mimi George
Vaka Taumako Project Zoom
November 20 Cheryl Leonard
Found Objects and Music. Zoom
December 13. Holiday Party

2021

. Zoom
January 22 Diana Pickworth & John Wilken
Explorations (2) Zoom
February 26 Kent Lightfoot
Fires & indigenous land use practices Zoom
March 26 Deana Weibel
Motivations for robotic space exploration Zoom
April 23 Brandi DiCarli & Scott Thompson
Farms from a box Zoom
May 21 ANNUAL MEETING
May 21 Alison Fundis
Deep Sea Exploration. Zoom
September 24. Ashley Lemke
Archaeology Below the Surface Zoom
October 15 Dr. Craig Clements
Wildfire in the West Zoom

CHAPTER DIRECTORS

Directors (Past Chairs)

Joan Boothe MN'07
Lesley Ewing FN'93
Lee Langan FN'99
Anders Jepsen FN'03

Alan Nichols FN'84
Bob Schmieder FE'86
Rick Saber MN'01
Stephen Smith FN'96

Elected Directors

Paul Freitas MN'10
Jimmy Friedman MN'19
Kimberly Chambers MN'16

Chapter Email Addresses and Chapter Phone Number

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vicechair@explorersnorca.org

treasurer@explorersnorca.org
secretary@explorersnorca.org

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MEETING VIDEOS

Our Chapter tries to record all of our dinner meetings. Videos of recent speakers' presentations are available on the Chapter Website.

DO YOU WANT TO GET INVOLVED IN THE INNER WORKINGS OF THE CHAPTER?

There are lots of tasks that come up during the course of a year: speakers, meetings, field trips, membership, newsletter, etc. A good place to get started is by volunteering to serve on a committee. Talk to any of the Chapter Officers or Directors for more information.

NORTHERN CALIFORNIA CHAPTER DUES

The Northern California Chapter dues are paid for the calendar year. Most of you have already paid your chapter dues for 2021. If you are unsure whether you have paid the 2021 dues, please check the Honor Roll listing on page 2.

In January, we will start collecting the 2022 chapter dues. The January newsletter will remind you that the 2022 dues will then be payable.

Please note that Northern California Chapter dues can be tax-deductible depending on your individual tax situation.

MORE PLANS FOR THE FALL

Save these dates for future meetings:

November 19th: Dr. Roberto Junco, by Zoom from Jamaica.

December: Holiday celebration, location TBD

POSSIBLE CHAPTER FIELD TRIPS

* **Pinnacles National Park:** Early 2022, possible 2-day expedition.

For more information or suggestions, contact:

Jimmy Friedman MN'19 - sfaikeido@gmail.com.