



# HAPPENINGS

The Quarterly Newsletter of the Arizona Native Plant Society  
Our mission is to promote knowledge, appreciation, conservation  
and restoration of Arizona's native plants and their habitats

## Join Any Chapter E-List

The best way to keep up with the latest AZNPS events is to join the chapter e-list, which notifies members about meetings, events, conferences, field trips, workshops, and volunteer opportunities in the area. Don't forget to keep us updated on e-mail address changes. To be added to any chapter e-list, send your name and e-mail address to:

Cochise Chapter:	Doug Ripley	jdougripley@gmail.com
Flagstaff Chapter:	Susan Holiday	naris123@cs.com
Phoenix Chapter:	Kara Barron	aznpsphoenix@gmail.com
Prescott Chapter:	Sue Arnold	PrescottAZNPS@gmail.com
Santa Cruz Chapter:	Francesca Claverie	Santacruz.aznps@gmail.com
Tucson Chapter:	Jessie Byrd	jessie_byrd@hotmail.com
Yuma Chapter:	Valerie Morrill	aznpsyuma@yahoo.com



The logo for the Botany 2019 conference. The word "Botany" is written in a large, teal, serif font. The number "2019" is written in a large, orange, sans-serif font. A green cactus with several small blue flowers is positioned behind the "o" and "a" in "Botany". A large, pink, multi-petaled flower is positioned behind the "9" in "2019".

Botany  
July 27-31  
Tucson, Arizona  
2019  
Sky Islands & Desert Seas

**Botanical Society of America**

**Annual Meeting**

**July 27-31, 2019**

**Starr Pass Resort, Tucson, Arizona**

The Botanical Society of America will be holding its annual meeting in Tucson this year. Arizona Native Plant Society members may enjoy attending this outstanding scientific event.

For more information see: <https://2019.botanyconference.org/>

# Chapter News



## Cochise Chapter

We have monthly programs on the **third Friday** of each month from **September through May** at **5:00 PM** in the **Cochise County Community Development Office** conference room, 4001 Foothills Dr. (corner of Highway 92 and E. Foothills Drive), Sierra Vista. The chapter has established a Facebook website (<http://www.facebook.com/AZNPSCochise>) where much useful information about the chapter and its members is posted.

## Chapter Offices

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President: Douglas Ripley ([jdougripley@gmail.com](mailto:jdougripley@gmail.com)); Vice President: Elliott Hendricks ([emhndrks@yahoo.com](mailto:emhndrks@yahoo.com)); Secretary: Deann Sanner ([longeyesone@gmail.com](mailto:longeyesone@gmail.com)); Treasurer: Pat Sullivan

## Meetings

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We will not hold our monthly meetings from June to August. Meetings will resume on Friday, September 20.

## Other Summer Activities

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**Botany 2019 Conference:** This meeting will be held on 31 August - 1 September 2019 at the Eastern Arizona College in Thatcher, Graham County. Presentations, poster sessions, and field trips will be offered. The theme for the meeting is Exploring the Botanical Diversity, Ecology, and History of Arizona's Native Flora. Please see the meeting announcement on the AZ Native Plant Society website for more details and registration information.

**2019 Chiricahua Mountains Field Trip:** The Tucson and Cochise Chapters will once again be sponsoring a three day botanical workshop in the Chiricahua Mountains on September 21 - 23, 2019. Accommodations will be provided at the Southwestern Research Station in Portal and the weekend will include lectures, field trips, and a plant identification laboratory. Please see the field trip announcement on the AZ Native Plant Society website for more details and registration information.




**Botany Meeting 2019  
Arizona Native Plant Society  
Eastern Arizona College**



**16th Annual Meeting  
31 August - 1 September 2019**

**Gherald L. Hoopes, Jr. Activities Center  
Eastern Arizona College, 615 Stadium Avenue  
Thatcher, Arizona**



**Pinaleño Mountains**

**Theme: *Exploring the Botanical Diversity, Ecology, and History of Arizona's Native Flora***

***See AZ Native Plant Society Website for Details and Registration: [www.aznps.com](http://www.aznps.com) or Use Attached Registration Form***

### **Arizona Botany Meeting 2019**

Please plan to attend the 16th Annual Arizona Botany Meeting on 31 Aug – 1 Sep 2019 sponsored by the Arizona Native Plant Society. This year's theme is:

#### ***Exploring the Botanical Diversity, Ecology, and History of Arizona's Native Flora***

A wide range of papers and posters will be presented covering many different aspects of Arizona's native flora.

The meeting will be held at the Gherald L. Hoopes, Jr. Activities Center, Eastern Arizona College, 615 Stadium Avenue Thatcher, AZ, on August 31, 2019, from 8:00 AM to 5:00 PM. Presentations following this year's theme and poster sessions on general Southwestern botanical subjects will be offered throughout the day. Optional field trips will be offered on Sunday, September 1, 2019.

Our continuing goal for the meeting is to foster a spirit of cooperation for the sharing of ideas among, and facilitating collaboration between, all individuals from academic institutions, local, state, and federal government agencies, and non-governmental organizations from across the state of Arizona, and to provide a forum to meet others who share an interest in the flora of Arizona and surrounding areas within the Southwest.

#### **Registration**

The early registration fee for the meeting is \$40.00 and includes Continental breakfast, lunch, and refreshments (coffee and tea). A reduced fee of \$25 is offered to undergraduate and graduate students. Early registration for the meeting will be due by August 16, 2019. After August 16, the late registration fee is \$45 (\$30 students). Registration will not be accepted after August 23, 2019. An evening dinner with a presentation will be offered at a separate cost of \$20.

Registration can be accomplished on line at the Arizona Native Plant Society Website: [AZNPS.com](http://AZNPS.com) or by mailing the following form along with payment to: Arizona Native Plant Society, P.O. Box 41206, Tucson, AZ 85717.

**Registration Form**

**Arizona Botany Meeting 2019  
31 August – 1 September 2019**

**Gherald L. Hoopes, Jr. Activities Center  
Eastern Arizona College  
615 Stadium Avenue Thatcher, AZ**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

e-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

**Type of Registration:**

Early Regular (\$40): \_\_\_\_\_

Early Student (\$30): \_\_\_\_\_

Late Regular – After August 16, 2019 (\$45): \_\_\_\_\_

Late Student – After August 16, 2019 (\$35): \_\_\_\_\_

Optional Dinner (\$20.00): \_\_\_\_\_

Total Enclosed: \_\_\_\_\_

**Mail completed form with payment to:**

Arizona Native Plant Society  
P.O. Box 41206, Tucson, AZ 85717



## Flagstaff Chapter



Regular evening programs are presented on the **third Tuesday** of the month, **March through October**, at **7:00 PM**. These take place at **Shepherd of the Hills Lutheran Church**, 1601 North San Francisco St. Monthly field trips are usually on the following weekend, and are announced via e-mail and the *Arizona Daily Sun*. These events are free and open to the public. Unless otherwise announced, meet for carpooling to field trips at 8:30 a.m., at the OneAZ Credit Union parking lot at the southwest corner of Beaver and Butler. Bring sun and/or rain protection, water, snacks, lunch, and a car or gas money for carpooling. For more information, email Barbara Phillips at bagphillips@yahoo.com or call her at (928) 853-3355. The Chapter has established a Facebook website (<http://www.facebook.com/AZNPSFlagstaff>) where much useful information about the chapter and its members is posted.

### **Tuesday, June 18: Maya Allen. *Resolving the Phylogeny of the Genus Glossopetalon (Crossomataceae)***



*Glossopetalon* inhabits arid, limestone regions in the American Southwest and northern Mexico. The genus comprises four species: *G. clokeyi*, *G. pungens*, *G. texense*, and *G. spinescens*, which has six varieties. Three of the species are endemic and the fourth, *G. spinescens*, is the only widespread species. These cryptic, intricately branched shrubs have been difficult to identify due to the lack of morphological characters. Until now, the phylogeny of this genus had not been resolved; therefore, the species relationships and validity of the six varieties of *G. spinescens* were unknown.

Maya is a Master's of Science in Biology candidate at Northern Arizona University under Dr. Tina Ayers.

### **Saturday, June 22, 8:30 AM. Conor Flynn & Erin Creekmur: Pollinator Habitat in Power Line Right-of-Ways (ROWs)**

APS is participating in an initiative to improve pollinator habitat along ROWs. This plant walk will visit local areas around Flagstaff to assess flowering diversity and pollinator habitat in and outside of the ROW. Speakers from APS will discuss Integrated Vegetation Management (IVM) techniques used to reduce wildfire risk and promote low-growing flowering plant communities.



## **Tuesday, July 16: Ariel Leonard. *Making Your Observations Count: Documenting Plants with the iNaturalist App***

The location and distribution data of certain vulnerable and invasive plant populations on National Forests is currently limited. By recording your observations using the iNaturalist app, you can help increase the quality and quantity of data available to Forest Service decision-makers. Better baseline data is essential to support good management, especially in light of climate change. The iNaturalist app facilitates the collection, storage, and sharing of georeferenced photos. The Forest Service will use these data to identify where follow-up is needed, whether it is to collect additional information (i.e., intensified sampling, evaluation of the vigor and extent of populations) or to treat detections of invasive non-natives. In addition to discussing why these citizen science efforts are critical for helping to steward our public lands, Ariel will also cover basic use of the iNaturalist app and some key species of interest, their look-alikes, and the photos needed to identify them to species.



## **Tuesday, August 20: Ahsa Jensen. *Grand Canyon's Federally-Listed Endangered Plant, Sentry Milk-Vetch***

Grand Canyon has one federally-listed endangered plant, the sentry milk-vetch (*Astragalus cremnophylax* var. *cremnophylax*). The sentry milk-vetch is endemic to Grand Canyon and is only found in soil pockets located in the Kaibab Limestone, on the edge of the canyon. With limited populations, the park's Science and Resource Management Division has partnered with the U.S. Fish and Wildlife Service, the Arboretum at Flagstaff, and the Grand Canyon Conservancy to implement a recovery plan that includes re-introduction sites to remove the plant from the federal list of Threatened and Endangered Species.

Ahsa Jensen is Grand Canyon's Native Plant Nursery Manager and has worked with the propagation, outplanting, and monitoring of the sentry milk-vetch for the last six years. She will present on the park's re-introduction efforts for sites on the south rim of Grand Canyon.



## Phoenix Chapter



We have chapter meetings the **second Sunday** of each month from **September through May** at **2pm**. (If a holiday falls on our meeting day, it will be moved to the following Sunday.) These are usually held at the **Desert Botanical Garden**, 1201 N Galvin Parkway, Phoenix. You can keep up with us through the season and into the summer on Facebook (<https://www.facebook.com/aznpsphoenix>).

### Chapter Offices

President: Kara Barron; Vice President: Natalie Melkonoff; Secretary: Lisa Rivera; Treasurer: Steve Blackwell; contact us at [aznpsphoenix@gmail.com](mailto:aznpsphoenix@gmail.com)

### Meetings

We will not hold our monthly meetings from June to August. Meetings will resume on Sunday, September 8.

Chapter elections will be held for all positions in October.

### Recap of the March Field Trip



Inside the Desert Botanical Garden's state-of-the-art greenhouse. Photo credit: Rick

On Sunday, March 10, our members were treated to a free, behind-the-scenes tour of the Desert Botanical Garden's Research, Conservation, and Collections department. The tour was led by Conservation Collections Manager, Steve Blackwell (our Chapter treasurer), and Plant and Insect Ecology Assistant, Natalie Melkonoff (our Chapter vice-president).

Tour highlights included the Garden's herbarium, which houses a collection of over 85,000 plant specimens, molecular lab where genetics research occurs, Great Milkweed Grow Out program, and the new greenhouses and horticulture facilities. The goal was to shed light on the research and conservation work being done at the Garden with regard to our native plants (and insects). Our members seemed to enjoy this unique experience!

## Recap of April BioBlitz

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Thank you to everyone who participated in our April 28<sup>th</sup> BioBlitz! As of May 1, 17 people have uploaded some or all of their observations into iNaturalist. Through these 500+ observations, we have documented over 135 different wildlife species! This number will likely continue to grow as more participants upload their observations and other iNaturalist users help to identify what we saw. You can view the observations by visiting our BioBlitz project page at <https://www.inaturalist.org/projects/aznps-bioblitz-at-tempe-s-papago-park-preserve>.

In addition, all of the observations from our BioBlitz are automatically added to an ongoing iNaturalist project within Tempe's Papago Park Preserve, which can be viewed at <https://www.inaturalist.org/projects/wildlife-of-tempe-s-papago-park-preserve>. If you are a periodic or regular visitor, we encourage you to add any past or future wildlife observations to iNaturalist. All observations pinpointed within the Preserve's boundary will automatically be added to this ongoing project. You can also select to "join/follow" this project if you'd like to be notified about observations and announcements pertaining to it.



A BioBlitz participant taking photographs of wildlife in Tempe's Papago Park Preserve. Photo credit: Lisa Rivera

## In the News

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Were you one of the 28,000+ people that saw our [Facebook post](#) about stinknet/globe chamomile (*Oncosiphon piluliferum*)? Thanks in part to this post, the *Arizona Republic* caught wind of this invasive species in our midst and recently published an [article](#) about it! Our Chapter president, Kara Barron, was interviewed for the story. The more people who are made aware of this invasive plant, the more progress our community can make in trying to get a handle on it.



This sea of yellow shows where *Oncosiphon piluliferum* is spreading at Cave Creek Regional Park. Unfortunately, this is becoming a common site in central Arizona's open spaces, roadsides, and urban areas. Photo credits: Lisa Rivera

## Grant Recipient Announced

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We are pleased to announce that Temitope Borokini was selected as the winner of the \$750 Doug Green Research Grant. Temitope is a PhD candidate in the Department of Biology at the University of Nevada, Reno. This grant was awarded to support the costs of research in the biology of Arizona native plants. Congratulations, Temitope!

## Volunteer Opportunities

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To involve more members in Chapter leadership and activities, we are seeking volunteers for a variety of roles. Please email us if you are interested in helping in any of the following capacities:

- AZNPS table/booth volunteer at a local event
- Committee chair or member
- Office support, such as helping to put together collateral (promotional) materials
- Social event planning
- Field trip leading or planning

## Prescott Chapter



As of press time, the Prescott Chapter doesn't have any events scheduled, but we do expect to be adding some summer events. To stay up to date on all of our chapter events, you can be added to our email list and/or follow our Facebook page. Send an email to [PrescottAZNPS@gmail.com](mailto:PrescottAZNPS@gmail.com) to join our mailing list or for any other contact. Follow us at [www.facebook.com/AZNPSPrescott](http://www.facebook.com/AZNPSPrescott) to keep up to date on chapter events.

### Chapter Offices

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Secretary: Patricia Hills, [p.hils@q.com](mailto:p.hils@q.com); Treasurer: Sue Arnold, [mazearnold@gmail.com](mailto:mazearnold@gmail.com).

## Santa Cruz Chapter



The Santa Cruz chapter meets the **first Thursday** of **every month** at **6:00 PM**, alternating between Sonoita (at the fire station) and Patagonia (at the BRN offices on 1 School St). The June 6th meeting will be in Sonoita and will feature a pruning workshop and presentation by landscaper Cliff Hirsch.

### Chapter Offices

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President: Francesca Claverie ([afclaver@gmail.com](mailto:afclaver@gmail.com)); Secretary: Ariana Raley ([ariraley@protonmail.com](mailto:ariraley@protonmail.com)); Treasurer: Perin McNelis

## Tucson Chapter



Monthly meetings are held **September through May** on the **second Thursday** of each month at **7:00 PM**, at the **Ward 6 office**, 3202 E. 1st St., located near the intersection of Speedway and Country Club. We have raffles for native plants, so come prepared!

### Chapter Offices

President: Jessie Byrd (jessie\_byrd@hotmail.com); Vice-President: Andrew Cordery (ecotrot@gmail.com); Treasurer: Jackie Taylor; Secretary: Arlette Cordery (agsch8@gmail.com).

## Field Trip

### Wednesday, June 19: *Agave chrysantha* Bloom Field Trip

Join Chuck LeFevre and John Scheuring for a walk among bright blooming yellow-flowered Agave (*A. chrysantha*) plants along the road between Oracle and Peppersauce Canyon. You will also see Soaptree Yucca in full bloom in Oracle and bearded penstemons in Peppersauce Canyon. We will make several short stops along the road and botanize at leisure between Oracle and Peppersauce, then stop for brunch at the Zip-Line restaurant before heading back to Tucson before noon.

**Date:** Wednesday, June 19.

**Meet:** 7:30 AM in front of Trader Joes in the shopping center at the SE corner of Magee Rd/Oracle Rd.

**Carpool:** in as few cars as possible to make it easy to make frequent roadside visits.

**Limit:** 15 persons; AZNPS members only.

**Bring:** sturdy walking shoes and a small daypack and water.

EASY walking terrain, short distances, sedan cars.

Please **RSVP** to John Scheuring (jfscheuring@hotmail.com).

# Yuma Chapter



Instead of conducting regular monthly meetings, the chapter is exploring a variety of activities. This approach will necessitate more flexible communications, so those interested in joining any of our events should request to be on our contact list by emailing [yumanpsaz@yahoo.com](mailto:yumanpsaz@yahoo.com). We have created a Facebook page (<https://www.facebook.com/YumaAZNPS/>) where useful information about our chapter can be found.

Judith Hillarie

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## Chapter Offices

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President: Valerie Morrill ([bebbia@hotmail.com](mailto:bebbia@hotmail.com)); Vice President: Karen Reichhardt ([ayekarina52@gmail.com](mailto:ayekarina52@gmail.com)); Secretary: Erv Barnes ([aznpsyuma@yahoo.com](mailto:aznpsyuma@yahoo.com)); Treasurer: Tom Fox.

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## Welcome New Members!

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**Cochise:** Amy Carter, Pam Mowbray-Graeme, Shirley Sekarajasingham

**Flagstaff:** Robert Bruenig, Marilyn Dryden, Dae Fot, Karen Enyedy, Nora Talkington

**Phoenix:** Annette Acuna, Elizabeth Balzarini, Danielle Carlock Cowan, Kurt Evans, Judy Hall, Joan Jang, Kathleen McCoy, Dawn Morford-Graziano, Frank Reichenbacher, Kirk Wheeler, Megan Wheeler, Gloria Teague

**Prescott:** Dawn Rocha

**Santa Cruz:** Cliff Hirsch

**Tucson:** Mark Bundy, Michele Frisella, Marlyn McEvoy, Ann Moynihan, Scott and Julie Roederer, Jessie Zuelow, Lorraine Garreau, Pamela Poco

**Yuma:** Robert Angle



**FOR MORE INFORMATION ABOUT AZNPS, CONTACT THE CHAPTER OFFICERS**Or visit the AZNPS website: [www.aznativeplantsociety.org](http://www.aznativeplantsociety.org)**AZNPS Headquarters**Administrative Asst: Pat Sanchez [arizonanativeplantsociety@gmail.com](mailto:arizonanativeplantsociety@gmail.com)**Cochise Chapter**

President: Douglas Ripley [jdougripley@gmail.com](mailto:jdougripley@gmail.com) 520-909-3132  
 Vice President: Elliott Hendricks [emhndrks@yahoo.com](mailto:emhndrks@yahoo.com)  
 Secretary: Deanna Sanner [longeyesone@gmail.com](mailto:longeyesone@gmail.com)  
 Treasurer: Pat Sullivan

**Flagstaff Chapter**

Contact Person: Melissa Amberson [azmelissa@yahoo.com](mailto:azmelissa@yahoo.com)  
 Treasurer: Tina Ayers  
 Presentations/Field Trips: Barbara Phillips [bagphillips@yahoo.com](mailto:bagphillips@yahoo.com) 928-853-3355

**Phoenix Chapter**

President: Kara Barron [aznpsphoenix@gmail.com](mailto:aznpsphoenix@gmail.com) 480-481-8131  
 Vice President: Natalie Melkonoff [aznpsphoenix@gmail.com](mailto:aznpsphoenix@gmail.com)  
 Treasurer: Steve Blackwell  
 Secretary: Lisa Rivera

**Prescott Chapter**

Secretary: Patricia Hills [p.hils@q.com](mailto:p.hils@q.com)  
 Treasurer: Sue Arnold [mazearnold@gmail.com](mailto:mazearnold@gmail.com)

**Santa Cruz Chapter**

President: Francesca Claverie [afclaver@gmail.com](mailto:afclaver@gmail.com)  
 Secretary: Ariana Raley [ariraley@protonmail.com](mailto:ariraley@protonmail.com)  
 Treasurer: Perin McNelis

**Tucson Chapter**

President: Jessie Byrd [jessie\\_byrd@hotmail.com](mailto:jessie_byrd@hotmail.com) 858-822-8548  
 Vice-President: Andrew Cordery [ecotrot@gmail.com](mailto:ecotrot@gmail.com)  
 Treasurer: Jackie Taylor  
 Secretary: Arlette Cordery [agsch8@gmail.com](mailto:agsch8@gmail.com)

**Yuma Chapter**

President: Valerie Morrill [bebbia@hotmail.com](mailto:bebbia@hotmail.com)  
 Vice President: Karen Reichhardt [ayekarina52@gmail.com](mailto:ayekarina52@gmail.com)  
 Secretary: Erv Barnes [aznpsyuma@yahoo.com](mailto:aznpsyuma@yahoo.com)  
 Treasurer: Tom Fox

**AZNPS HAPPENINGS** is a forum to promote chapter news and activities throughout the state. Please contact your chapter president or program coordinator to contribute information, or e-mail the *Happenings* editor, Shelley Silva, at [shelley.a.silva@gmail.com](mailto:shelley.a.silva@gmail.com). Photos are always welcome!

**Please send information for the newsletter by:**

**February 1st** for March - May events

**May 1st** for June - August events

**August 1st** for September - November events

**November 1st** for December - February events



ARIZONA NATIVE PLANT SOCIETY  
P.O. Box 41206  
Tucson, AZ 85717

Address Service Requested

**Arizona Native Plant Society**  
AZNPS is a 501 (C) (3) organization  
Your membership is tax-deductible, minus \$12 for *Plant Press*

Name:

Address:

City/State/Zip:

Phone/Email:

Membership Level:

- |                                       |   |
|---------------------------------------|---|
| <input type="radio"/> New             | <input type="radio"/> Renewal           |
| <input type="radio"/> \$15 Student    | <input type="radio"/> \$30 Individual   |
| <input type="radio"/> \$35 Family     | <input type="radio"/> \$50 Organization |
| <input type="radio"/> \$75 Commercial | <input type="radio"/> \$100 Plant Lover |
| <input type="radio"/> \$500 Patron    | <input type="radio"/> \$1,000 Lifetime  |

Preferred Chapter:

- |                                  |                                 |                               |                                |
|----------------------------------|---------------------------------|-------------------------------|--------------------------------|
| <input type="radio"/> Cochise    | <input type="radio"/> Flagstaff | <input type="radio"/> Phoenix | <input type="radio"/> Prescott |
| <input type="radio"/> Santa Cruz | <input type="radio"/> Tucson    | <input type="radio"/> Yuma    | <input type="radio"/> Non AZ   |

Members with email access will receive email notice when new "Happenings" newsletter and *Plant Press* issues are posted online. **Please indicate if you prefer to receive either publication via postal mail.**

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Arizona Native Plant Society  
PO Box 41206  
Tucson, AZ. 85717

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