



# SHELL•O•GRAM

Official Publication of the  
**JACKSONVILLE SHELL CLUB, INC.**

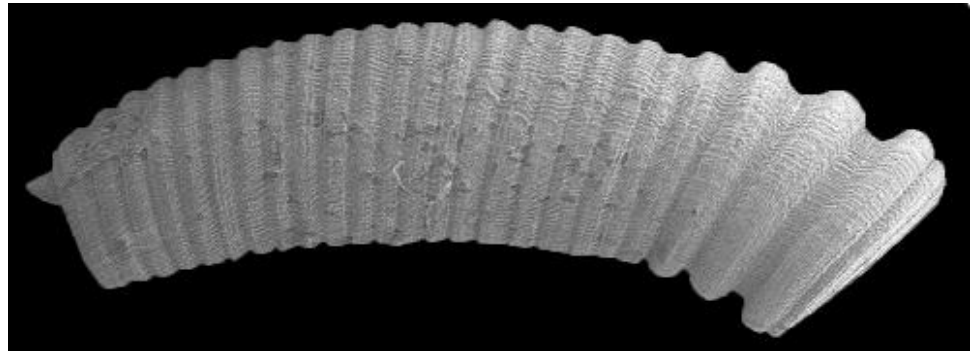
May, June, 2018

Volume 59 (no. 2)

## Upcoming meetings

The **May** meeting of the Jacksonville Shell Club (JSC) will be held at the usual venue, the Southeast Branch of the Jacksonville Public Library <<http://www.yelp.com/biz/jacksonville-public-library-southeast-regional-jacksonville>>, on the customary fourth Thursday (the 24<sup>th</sup>) in Function Room **D** (vs. the historical A) at 7:00 PM.

Paul Jones, who is the undisputed most frequent flyer at Matanzas Inlet, at least among shellers, will surprise us with the Shell-of-the-Month. The main program will be given by Harry Lee, who will acquaint us with the family Caecidae, the shells of which his grandson call likens to macaroni.



These tiny snails occur in warm

and temperate marine water all around the planet, and Florida has a healthy share of their numbers – both living and fossil. *Caecum floridanum* Stimpson, 1851 (**above**) lives close to the coastline of the entire state and has been a resident of the Florida waters for at least 3,000,000 years.

The **June** meeting will be on the usual Thursday date (the 28<sup>th</sup>), time and place (see above). We will devote the most of the meeting to the Japanese Island of Okinawa. First Brian Marshall will present the Shell-of-the-Month, *Conus (Leptoconus) dusaveli* (H. Adams, 1872), once one of the most sought-after collector's item in the pantheon of natural history objects (and still no slouch in that regard), will be his topic. Brian will speak from first-hand experience as one of the few who have personally found the species in the wild. A photo of the living specimen (**R**) was taken a few decades ago by Brian's father, Donald Marshall. Rick Edwards, who was also a resident on the island, will discuss the collection made there, to include a large display and glimpses of his thorough curatorial management of this fine assortment.



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This club meets monthly at the Southeast Branch of the Jacksonville Public Library, 10599 Deerwood Park Blvd., Jacksonville, Florida <<http://jpl.coj.net/lib/branches/se.html>>. Please address any correspondence to the club's address above. Annual membership dues are \$15.00 individual, \$20.00 family (domestic) and \$25.00 (overseas). Lifetime membership is available. Please remit payment for dues to the address below and make checks payable to the Jacksonville Shell Club. The club's newsletter and scientific journal, the *Shell-O-Gram* (ISSN 2472-2774) is issued bimonthly and mailed to an average of 15 regular members and friends by specific request and no less than ten scientific institutions with permanent libraries. An electronic (pdf) version, identical except for "live" URL's and color (vs. B&W) images, is issued the next day and sent to about 200 individuals who have demonstrated an interest in malacological research. These pdf's (ISSN 2472-2782) have also been posted to <<http://jaxshells.org/letters.htm>> since November, 1998. We encourage members and friends to submit articles for publication. Closing date for manuscript submission is two weeks before each month of publication. Articles appearing in the *Shell-O-Gram* may be republished provided credit is given the author and the *Shell-O-Gram*. As a courtesy, the editor and author should receive a copy of the republication. Contents of the *Shell-O-Gram* are intended to enter the permanent scientific record.

Membership Dues are payable in September each year.

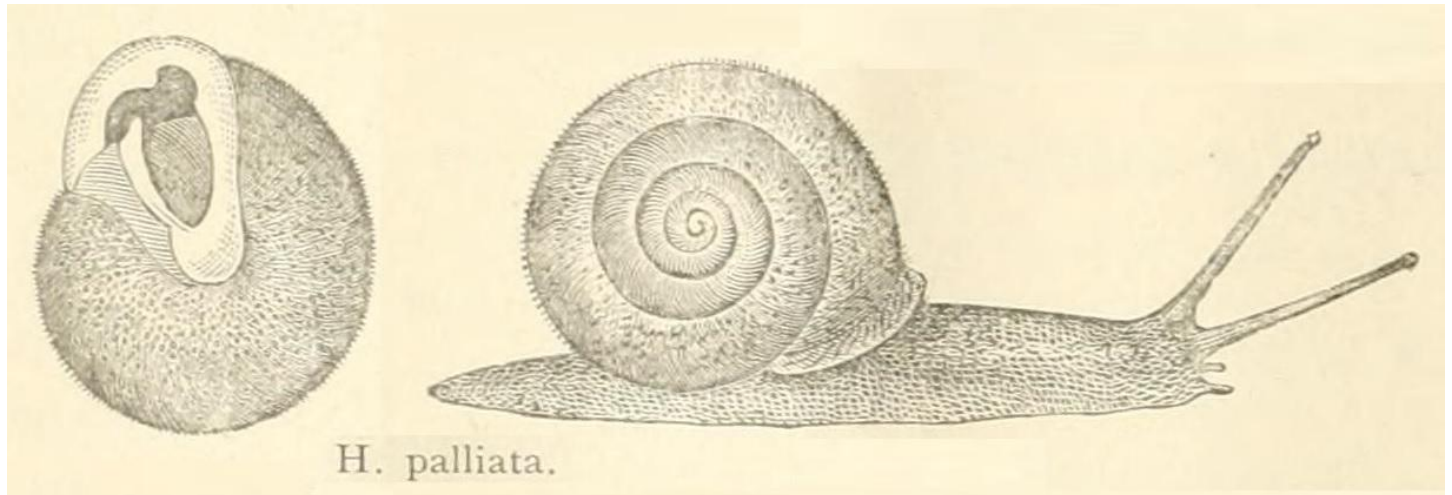
If you're not paid up, please send in your dues: Individual \$15.00; Family \$20.00, to  
Harry G. Lee, Treasurer, JSC  
4132 Ortega Forest Drive  
Jacksonville, FL 32210-5813

Here is a photo by Jacksonville's Bill Frank of a very hairy landsnail collected by JSC member Lori Schroeder near a cave opening in Bullitt Co., Kentucky. A discussion of this species, with its characteristic velvety periostracum, begins on the next page of this issue.



## *Xolotrema denotatum* (Férussac , 18xx), its iconography and taxonomy

by Harry G. Lee



H. palliata.

About a dozen years ago, there was a discussion of one of the more iconic of historic native American land snails on Conch-L during the run-up to the 120th anniversary of *The Nautilus*, American malacological icon in

its own right. Editor José Leal had come across a figure of *Helix palliata* (Say, 1821: 152), which first appeared in volume three of the journal, and he thought it well-suited to illuminate what was to become the lead article in the anniversary issue of the journal (Leal, 2006). As you can see [above; from Teator, 1890: 110],<sup>1</sup> the shell is fairly spectacular and the engraving of shell and animal quite detailed and exquisite. This species, the Velvet Wedge in the vernacular,<sup>2</sup> is now called "*Xolotrema denotatum* (Férussac, 1821)" according to all authorities I can find on the Internet and in print for the last few decades. Thereby hangs a tale!

### 48. HÉLICE notable. *Helix notata*. FERUS.

*H. testâ orbiculato-depressâ, imperforatâ, translucidâ, corneo-lutescente; longitudinaliter et transversim striatâ; striis transversis, minoribus; spirâ planulatâ; appendiculo sublinguiformi, albo, obliquo, columellæ adnato; labro margine albo, lato, depresso, reflexo, bidentato.*

FERUS. *Hist. nat. des Moll.* n<sup>o</sup>. 162. pl. 49. A. fig. 5.

Cette coquille a la plus grande analogie avec la suivante. Nous indiquons les différences qui la distinguent : elle est constamment plus grande et un peu moins déprimée du côté de la spire ; elle est formée de six tours un peu plus convexes, dont la suture, simple, est aussi plus profonde. Les stries longitudinales, serrées et régulières, ne sont point onduleuses sur le milieu du dernier tour, mais elles sont divisées en travers par des stries très-fines, nombreuses et profondes, qui les partagent en denticulations d'une grande régularité : cette disposition se voit beaucoup mieux à la partie supérieure des tours de spire qu'à la base de la coquille, où les stries transverses tendent à s'effacer. Le péristome est blanc, réfléchi en dehors, garni d'un bourrelet saillant, tranchant en dedans, aplati par devant ; il est découpé, comme dans l'Hélice tridentée, en trois courbes, dont les points de jonction sont saillans : il est par conséquent bidenté. Une dent linguiforme, plus grande et plus saillante, se voit sur la columelle à la même place que dans l'espèce suivante ; il n'y a également aucune trace d'ombilic, qui est remplacé par une légère dépression.

Cette coquille habite le Kentucky dans l'Amérique septentrionale. Elle a 20 à 22 millim. de diamètre.

The current generic placement of this species, *Xolotrema Rafinesque*, 1819, is based on *Helix notata* Deshayes, 1830: 224 [L] by the subsequent designation of Pilsbry (1940: 823). Note that Deshayes cited an innominate Férussac figure as an indication for his species; we'll return to that anon. A footnote detailing the Byzantine chronicle of this genus-level taxon takes up the bottom half of that page and reveals a concatenation of some of the most haphazard nomenclatorial actions ever perpetrated in malacology, beginning with the scatterbrained contributions of that "odd fish" Constantine Rafinesque.<sup>3</sup>

Pilsbry (*loc. cit.*) went on to say that the earliest available name for his type species, *Helix palliata* Say, was unfortunately a junior homonym of *H. palliata* Hartmann, 1807, in turn apparently a *nomen dubium* described from the Alps. Although Say's *nomen*

was thus rendered permanently invalid, his description [R] is of great value in understanding the species. Note mention of the now familiar apertural dentition, the fuscous (dark) periostracum, and the tuberculous prominences on the shell's surface. In contrast to the typical form, found along the Mississippi River in Illinois (type apparently lost), Say mentioned a Var. a from Ohio, which differed in having a strong peripheral carina and lacking the bumpy shell surface. Funny thing, two pages later, he introduces the presently valid *H. obstricta*, also from Ohio, with a description virtually identical to this Var. a! I think it likely this was a *lapsus* on the author's part and the latter two taxa are synonymous. An image of the type of *H. obstricta* (ANSP 11271) is not yet posted in the museum catalogue

<<http://clade.ansp.org/malacology/collections/search.php>>.

3. *H. \*palliata*. Shell depressed, with elevated lines, forming grooves between them; epidermis fuscous, rugose with very numerous minute tuberculous acute prominences; volutions five, depressed above, beneath rounded, forming an obtuse angle exteriorly, which is more acute near the termination of the labrum; umbilicus covered with a white callous; aperture contracted by the labrum; labrum reflected widely, white, two profound, obtuse, sinusses on the inner side above the middle, forming a prominent distinct tooth between them, and a projecting angle near the middle of the lip; labium with a large, prominent, white tooth, placed perpendicularly to the whorl, and obliquely to the axis of the shell, and nearly attaining the umbilical callus.

Inhabits Illinois.

Pilsbry (1940) considered *Helix notata* Deshayes, 1830, described from KY, to be the earliest available name

N<sup>o</sup> 102. *DENOTATA*, nobis.

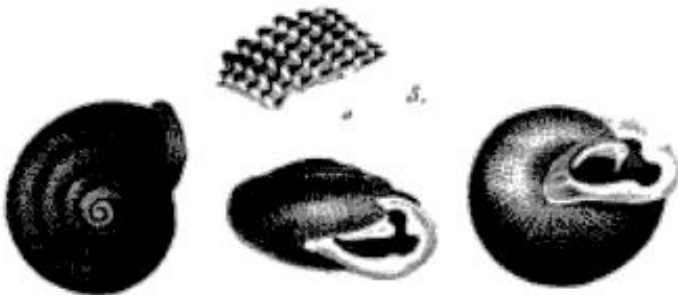
*Triodopsis scabra*, RAFINESQUE.

*Habit.* Le Kentucky; *Comm.* RAFINESQUE.

for *H. palliata* Say. He also noted that Férussac (1821 [actually 1819]: 34 [L]) proposed the name *Helix denotata*, a *nomen nudum* (like the stated synonym *H. scabra* Rafinesque) at that point, was determined to be a synonym of *H. palliata* by later authors. Although

he almost certainly saw that Deshayes cited Férussac (pl. 49A, fig. 5) in his description of *H. notata*, Pilsbry must have believed that plate to have existed in manuscript only or that the figure was never linked to a

binomen in the Férussac masterwork. Such a determination on Pilsbry's part is plausible since complete sets of the *Histoire* were (and remain) extremely rare. In actuality the iconotypes, plate 49A figs. 5 [L] first appeared on the cover of livraison 19 of the masterwork and was there(in?) thus captioned in 1823 (Pilsbry, 1948: 1100), but, as you can see below, I cannot confirm or refute that date. Since Pilsbry's sentinel works (1940,



1948), authors have placed the availability of *H. denotata* Férussac as of 1821 (vs. 1823). Even Pilsbry's institution, the Academy of Natural Sciences of Philadelphia, has changed its (37) labels in conformity with this authorship and chronology; see the catalogue of the collection at

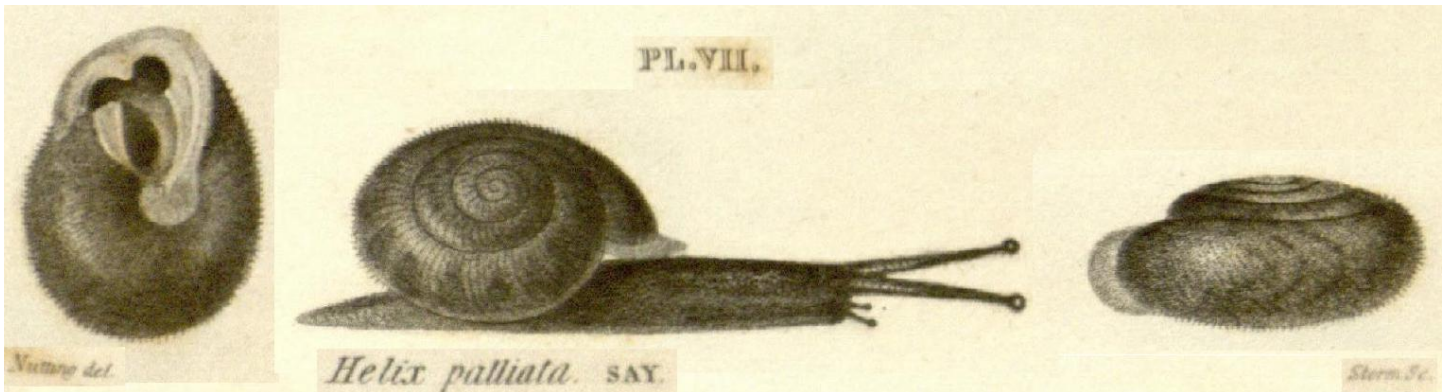
<<http://clade.ansp.org/malacology/collections/search.php>>!

All the above notwithstanding, Bouchet and Rocroi (2005: 304-305) and Welter-Schultes (2012), have succeeded in generating a collation of this rare and colossal masterwork, Férussac and Deshayes (1819-1851). Although they provide a nearly exhaustive account of the many parts of the *Histoire*, there is no mention of either plate 49A or livraison 19! Given the haphazard sequence of publication of the components of the masterwork [see <<http://www.jaxshells.org/leporina.htm>>], I am hesitant to place full confidence in either Pilsbry's 1823 date or that of his successors (1821). These, and other possibilities, even post-1830 are possibilities. If it's the latter contingency, the valid name for the Velvet Wedge would become *Xolotrema notata* (Deshayes, 1830). Don't change those labels for now! We still trying to keep you "up to date."

<sup>1</sup> It seems clear that Teator lifted both his figures, possibly with some retouching, from Amos Binney (1857: 27; pl. 14 edited for juxtapositions only [**below**]). The figure was drawn by Fellow Bostonian Benjamin F. Nutting (1803-1887) <[https://en.wikipedia.org/wiki/Benjamin\\_F.\\_Nutting](https://en.wikipedia.org/wiki/Benjamin_F._Nutting)>. The online version doesn't show the imprint indicating Sterm (or Storm) was the engraver, but my copy does. It seems Binney's son, William G, with collaborator Thomas Bland (1869: 123, fig. 206) were the first to crib the live animal figure.



This was not Nutting's first rendering of *Helix palliata* for a Binney opus. He drew the figures **below** for the elder Binney a couple of decades earlier (Binney (1840/1841: 353; pl. 7; edited for juxtapositions only). The drawings differ as did the engravers; this work being done by Alexander Lawson (1773-1846), who is still celebrated mostly for his ornithological illustrations. The hirsute periostracum is more vividly depicted than in the other renditions.



<sup>2</sup> The official vernacular names of all North American (north of Mexico) mollusks are listed in Turgeon, Quinn, *et al.*, 1998 (*q.v. infra*). This work, although now 20 years old, is also a pretty good resource for the valid scientific names thereof.

<sup>3</sup> By the account of John James Audubon (M. Audubon, 1897: 473-480), Constantine Rafinesque arrived unannounced on the Henderson, KY riverbank and presented the ornithologist a sealed letter from a mutual Philadelphian friend. The writer indicated that he was sending Audubon an "odd fish" for his examination. When queried as to the whereabouts of this "odd fish," Rafinesque realized the ruse and responded that it must be he. The rest of the chronicle provides overwhelming evidence in support of that characterization. <https://listserv.uga.edu/cgi-bin/wa?A2=ind0603B&L=CONCH-L&P=R4942&X=E355D93C935650904C&Y=hglee2%40mindspring.com>

Audubon, M.A. [editor], 1897. *Audubon and his journals 2*. Charles Scribner's Sons, New York. (i)-viii + (1)-(556) + 9 plates.

<<http://books.google.com/books?id=JpGju0qdPCgC&printsec=frontcover&dq=Audubon+and+his+journals+volume+2&hl=en&sa=X&ei=GJuEVlfsF4P#v=onepage&q&f=false>>

Binney, A., "1840" [? 1841]. A monograph of the helices inhabiting the United States [part 2 of 3]. *Boston Journal Of Natural History* 3(3): 353-394 <<https://biodiversitylibrary.org/page/32416090>> Title page (281) of 3(3) reads "July, 1840," includes a paper read Nov. 3, 1840 <<https://biodiversitylibrary.org/page/32416132>>, and 3(4) as well as "prints [sic] XI, XX-XXV [= 11, 20-25]" stated by R. Bank (2011) to have been published in 1841.

<<http://www.animalbase.uni-goettingen.de/zooweb/servlet/AnimalBase/home/reference?id=4137>>

Binney, A. [ed. A. A. Gould], 1857. *The terrestrial air-breathing mollusks of the United States and the adjacent territories of North America. vol. 3*. Little Brown, Boston. pp. 6-40 + 84 pls. [1-74 +10 bis; recto: majority hand-colored; verso: uncolored duplicates of recto, except pl. 71 verso only; total 167; several artists and engravers]

<<http://biodiversitylibrary.org/page/10820468>>.

Binney, W.G., and T. Bland, 1869. Land and Fresh Water Shells of North America: Pulmonata, Geophila, Volume 1. *Smithsonian Miscellaneous Collections* 8(3): [i]-xii + 1-315.

<<https://biodiversitylibrary.org/page/8819685>>

Bouchet, P. and J.-P. Rocroi, 2005. Classification and nomenclator of gastropod families. *Malacologia* 47(1-2): 1-397. <<https://biodiversitylibrary.org/page/25127200>>

Deshayes, G.P., 1830. *Encyclopedie methodique. Histoire naturelle des vers, par Bruguière et de Lamarck, continuée par Mr. G.P. Deshayes. Tome 2 [part 2; separately paginated]*. Agasse, Paris. Pp. 1- 594.

<<https://biodiversitylibrary.org/page/33694395>>

Férussac, A.E.J.P.J.F. d'A. de and G.-P. Deshayes, 1819-1851. *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles, tant des espèces que l'on trouve aujourd'hui vivantes, que des dépouilles fossiles de celles qui n'existent plus; classés d'après les caractères essentiels que présentent ces animaux et leurs coquilles*. J.-B. Bailliere, Paris. Tome 1: 8 + 184 pp; Tome 2 (1): 402 p.; Tome 2 (2): 260 + 22 + 16 pp; Atlas 1 (Tome 3): pls. 1- 70; Atlas 2 (Tome 4): pls. 71-166 + pls. 1-5. An expanded bibliography and collation appears at <<http://www.jaxshells.org/leporina.htm>>; for collation see also Bouchet and Rocroi (2005) and Welter-Schultes (2012) [q.v.].

Leal, J.H., 2006. Celebrating a long life: *The Nautilus* turns 120! *The Nautilus* 120(1): 1-7. 30 May.

<<https://biodiversitylibrary.org/page/35185372>>

Pilsbry, H.A., 1940. *Land Mollusca of North America (north of Mexico) vol. 1 part 2*. Academy of Natural Sciences, Philadelphia. vi + 575-994 + ix. 1 Aug.

<<http://babel.hathitrust.org/cgi/pt?id=uc1.31822000620245;view=1up;seq=7>>

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Say, T., 1821. Descriptions of univalve shells of the United States. *Journal of the Academy of Natural Sciences* 2: 149-179. January. <<https://biodiversitylibrary.org/page/36831338>>

“Teaton” [Teator], W.S., 1890. Collecting land snails in eastern New York. *The Nautilus* 3: 109–110. Feb. <<https://biodiversitylibrary.org/page/27053486>>

Turgeon, D.D., J.F. Quinn, Jr., A.E. Bogan, E.V. Coan, F.G. Hochberg, W.G. Lyons, P.M. Mikkelsen, R.J. Neves, C. E. Roper, G. Rosenberg, B. Roth, A. Scheltema, F.G. Thompson, M. Vecchione, and J.D. Williams, 1998. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks, 2nd edition. *American Fisheries Society, Special Publication 26*, Bethesda, Maryland. ix + pp. 1-509 + 16 pls. [un-numbered]; for vernacular names search <[http://www.itis.gov/servlet/SingleRpt/RefRpt?search\\_type=publication&search\\_id=pub\\_id&search\\_id\\_value=844](http://www.itis.gov/servlet/SingleRpt/RefRpt?search_type=publication&search_id=pub_id&search_id_value=844)>

Welter-Schultes, F., 2012. *Reference summary for Férussac, A.E.J.P.J.F. d'Audebard de & Deshayes, G.-P. 1819-1851* <<http://www.animalbase.uni-goettingen.de/zooweb/servlet/AnimalBase/home/reference?id=1095>> 17 August.

## 2018 SHELL SHOWS & RELATED EVENTS (July – December) as of 11 April, 2018

- The following information is subject to change. Please verify with each show contact as shown below –  
by **DONALD DAN** • 6704 Overlook Drive • Ft. Myers, FL 33919  
Tel. (239) 481-6704 • Mobile (239) 628-9568 E-mail: donaldan@aol.com

### July 27-29, 2018

**SHANGHAI SHELL SHOW, Shanghai, China**  
Shanghai Noble Center Hotel, 1688 Caobao Road,  
Minhang District, Shanghai  
He Jing, Tel. 86 (21) 6773-7531  
E-mail: shellsfromchina@hotmail.com

### Aug. 18, 2018

**CHATSWORTH SHELL FAYRE, Derbyshire, UK**  
Cavendish Hall, Chatsworth Estate, Derbyshire  
Brian Hammond, Sulwath, Dornockbrow  
Dornock, Annan DG12 6SX, UK  
E-mail: brianandedna@btinternet.com Tel. 44 146 170 1096

### Aug. 25-26, 2018

**3<sup>rd</sup> WEST COAST SHELL SHOW, San Diego, CA**  
Casa del Prado, Rm 104 Balboa Park  
David Berschauer Tel. (949) 422-6585  
E-Mail: shellcollection@hotmail.com

### Aug. 30-Sept. 3, 2018

**CONCHOLOGISTS OF AMERICA ANNUAL CONVENTION, San Diego, CA**  
Sheraton San Diego Hotel & Marina  
1380 Harbor Island Drive, San Diego, CA 92101  
Registration: Nancy Hale (email: tomnan12@att.net)  
Web site: conchologistsofamerica.com

### Aug. 24 – Sept. 3, 2018

**OREGON SHELL SHOW, Salem, OR**  
Oregon State Fair Grounds – Jackman-Long Bldg.,  
2330 17<sup>TH</sup> St. NE  
Marici Reid, 673 Cessna St., Independence, OR 97351  
Tel. (408) 891-5643 E-Mail: marici@earthlink.net  
**Sept. 22-23, 2018**

**ANNUAL GERMAN SHELL FAIR, Oehringen, Germany**  
KULTURA Hall, Herrenwiesenstr. 12  
Kurt Kreipl, Hoehenweg 6, D-74613 Oehringen-Cappel, Germany  
Tel. 49 (7941) 62-826  
E-mail: meeresmuseum@t-online.de

### Sept. 28 - 30, 2018

**NORTH CAROLINA SHELL SHOW, Wilmington, NC**  
*(New Venue: Coastline Conference & Event Center, 501 Nutt Street)*  
Karl Lynn Morgan, 3098 Shannon Dr., Winston-Salem, NC 27106-3647  
E-mail: [karlynnmorgan@earthlink.net](mailto:karlynnmorgan@earthlink.net) Tel. (336) 692-4492  
Web site: [www.ncshellclub.com](http://www.ncshellclub.com)

### Oct. 20-21, 2018

**XXIII PRAGUE INTERNATIONAL SHELL SHOW, Prague, Czech Rep.**  
KULTURNIDUM LADVI Buresova 1661, Prague 8  
Jaroslav Derka, Holeckova 51/370  
15000 Praha 5, Czech Republic Tel. 42 (2) 5731 6246  
Email: [jderka@volny.cz](mailto:jderka@volny.cz) Web sites: <http://www.cksl.cz>

**Oct. 27, 2018**

**BRITISH SHELL COLLECTOR'S CLUB CONVENTION**, Essex, England  
 Theydon Bois Community Centre, Theydon Bois, Epping, Essex  
 Debbie Rolfe, 15 Dene Holm Road,  
 Northfleet, Kent DA11 8LF, U.K.  
 Email: [Deborah@deborahrolfe.orangehome.co.uk](mailto:Deborah@deborahrolfe.orangehome.co.uk)

**Oct. 27, 2018**

**SYDNEY SHELL SHOW**, Sydney, Australia  
 Ryde Eastwood Leagues Club, 117 Ryedale Rd., West Ryde, Sydney  
 Steve Dean, 166 Narabeen Pk Pde  
 Mona Vale, NSW 2103  
 E-mail: [steve@easy.com.au](mailto:steve@easy.com.au)  
 Tel. 61 (2) 9979-5736  
 Cell: 61 (4) 1175 1185

**Oct. 27-28, 2018**

**PHILADELPHIA SHELL SHOW**, Philadelphia, PA  
 Academy of Natural Sciences, Parkway & 19<sup>th</sup> St.  
 Paul Callomon, Academy of Natural Sciences  
 Parkway & 19th St., Philadelphia, PA 19103 (215) 405-5096  
 E-mail: [prc44@drexel.edu](mailto:prc44@drexel.edu) Web site: [www.phillyshellclub.org](http://www.phillyshellclub.org)

### **Paul Brown (April 27, 1927 - March 22, 2018)**

Paul, known to us old-timers for his support of the JSC for many years, passed away peacefully with his wife Billie, sons and grandsons at his side.



Born in Edmond, WV, he attended Woodrow Wilson High School. He served as President of the Student Council, Co-captain of the football team and was inducted into its Hall of Fame. During WWII he served in the Coast Guard then the National Guard. He was honorably discharged a first lieutenant.

Paul joined the Jacksonville Beach Police Department (JBPD) in 1962 and was promoted through the ranks by competitive Civil Service exam to Chief in 1971. During his many years of service, he had many accomplishments including election by fellow officers as the 1968 "Officer of the Year," and the 1979 "Boss of the Year Award" from the Women's Business Club.

Paul was a founding member, past president, and life member of FOP Northeaster Lodge 17. The FOP firearms range is named after him in recognition for all of his hard work and time he spent to make it possible. He was Florida Peace Officers Association Past District Director and life member of the International Chiefs of Police.

He served on numerous committees, was a graduate of the FBI Academy and earned his Master of Science degree in Criminology. JBPD was designated the most efficient dept. in the state several consecutive years under his leadership.

Among a host of relatives including great grandchildren, Paul is survived by his loving wife Billie, a Past President of the JSC and step-grandson Billy Alee, who was an active member a few decades ago and is now a marine biologist.





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