

Hawaiian Shell News

VOL. XIII NO. 13

NOVEMBER, 1964

NEW SERIES NO. 59

HMS HAS SUCCESSFUL SHELL FAIR

by E.R. CROSS



Photograph by E. Cross

The Banyan Court of the Children's Museum in Ala Moana Park. The photo shows only about one fourth of the booths in which the shell displays were located. The cool trade winds that we like to refer to as "Hawaiian air conditioning," kept the entire show area cool and refreshing.

Each year it can truthfully be said that "this year's HMS Shell Fair was the best ever." There is a reason for this. Members have learned what makes a good show and are willing to work toward that goal; shell collections get bigger and better each year; there is more interest in things scientific; and the cooperation of corresponding members increases with each Fair.

We had other important things going for us too. The Fair was sponsored by the Department of Parks and Recreation of the City of Honolulu; Mr. Ted Nobriga, Director of the Department, made the Children's Museum at Ala Moana Park available to the Society for the Fair; Mrs. Ethel T. Mori, Recreation Section of the Department, contributed much through her wonderful cooperation and understanding of our problems; and HMS President Bill Christensen did a masterful job of liaison between the Society and the Department of Parks and Recreation. As a result the 1964 Hawaiian Shell Fair, held September 26 through October 4, was the greatest.

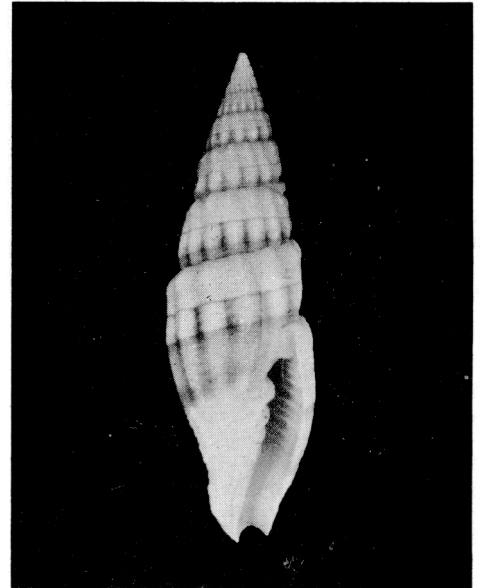
Plans for the Fair were formulated months ago. Work by a volunteer committee that met each Thursday evening at the Children's Museum started soon

after. The committee made displays and shell artifacts, packaged shells for the shell booth and refinished the Society's display cabinets. This "get-together" proved to be so much fun there is talk of continuing this as a weekly session for those interested and so inclined. Work will be begun towards the 1965 Shell Fair. Members who failed to take advantage of these Thursday sessions missed a wonderful opportunity to visit and exchange ideas and information about shells and shelling in Hawaii.

The help and cooperation of local businesses and persons not members of the HMS were of such great importance to the success of the Fair that they well deserve front page thanks and acknowledgment for their services. Business firms too numerous to mention gave us permission to post hand bills announcing the Fair.

Mr. Howard P. Dang of Hawaii Camera Company loaned the Society a 16mm sound motion picture projector and screen for use throughout the Fair.

State Savings and Loan Association provided a window for a shell display advertising the Fair. Mr. Harry Hikita did the window decorating, and a beautiful job too.



Photograph by C. Weaver

Enlarged

To do honor to the late Ditlev "Dave" Thaanum, the 1964 Shell Fair Committee chose Thaanum's Vexillum as its official emblem. Length: 35 mm.

Mr. Masaru Otaguro created two artistic driftwood displays in two large concrete flower containers transforming them from drab structures to attractive decorations that added much to the overall marine decor of the area.

Mr. Bob Poulos of the Press papers gave us excellent coverage of the Fair, particularly in his Waikiki Press that charted many a tourist's path to the Fair.

Veteran reporter Scoops Casey of the Honolulu Advertiser wrote a fine Sunday feature article on the Fair.

This year our Shell Fair literally went to the dogs. Mr. Jerry Freeman, of the Hawaii Protective Association, assigned a patrolman accompanied by a German shepherd watch dog to guard the exhibits from closing time until the 9:00 a.m. opening time the following day.

HMS member Bill Burkhard, of Richmond Van & Storage, provided transportation to bring cases and stands to the Children's Museum, and, best of all, has made a central storage place available for the cases where they will be safe until Shell Fair time next year.

Mr. Spencer Tinker of the Waikiki Aquarium loaned the Society chairs to

(Continued on Page 2)

Hawaiian Shell News

Official Publication of the
Hawaiian Malacological Society
(Founded in 1941)

2777 Kalakaua Ave., Honolulu, Hawaii 96815

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Items of interest to shell collectors are solicited for publication in the *Shell News*. Deadline 20th of month preceding publication.

SUCCESSFUL SHELL FAIR

(Cont'd from Page 1)

seat the overflow crowds that came each evening to see the film, "Silent World".

These people, business firms and happenings set the stage for the 1964 Hawaiian Shell Fair. What were the results obtained from this fine cooperation and hours of work by various committees and individuals?

A total of 3,389 visitors came to the Fair. Of these 1,345 were adults, 104 were of high school age, and 1,940 were Junior High and Elementary school age. Gate receipts totaled approximately \$900.00.

Kailua Mission School scheduled all grades 2 through 9 to visit the Fair.

Punahou sent their 1st, 2nd, 3rd, and 6th grades; Maryknoll School, the 3rd grade; Hanahauoli School, the 2nd grade; Carey School and St. Christopher's School sent all four year olds. King Kamehameha School sent the 6th grade; and Waimanu Training School sent their entire group of students.

For the enjoyment of these diverse groups there were a total of 60 display cases of shells, shell books, shell maps, and shell carvings arranged attractively in booths around the semi-circular Banyan Lanai Court of the Children's Museum. HMS member Paul Fujimoto displayed two cases of his beautiful shells carved from island woods, all life like in design but many times natural size, a fascinating way to see shells. Cliff Weaver's non competitive display of Australian Volutidae, keyed to a map of Australia, was interesting and informative. The fossil shell display by Tony Polansky provided a new touch to the Fair as did the display of colorful Hawaiian land snails by John Obata. A relief map of the Island of Oahu showing the habitat of the Hawaiian land snails was studied by many and there have no doubt

been many shelling expeditions into the mountains for these beautiful shells.

Tom and "Inkle" Shield's display of shell books, old (some dated back more than 100 years) and new attracted much attention. Another display causing many comments was the methods of cutting shells for jewelry.

Five Junior Exhibitors competed for prizes this year. Junior exhibitors were in two age groups; under 11 years and ages 12 to 16. Mervin Lum, age 7 and Spencer Tom, age 8 both began their collecting during the "Summer Fun" programs conducted each year at the Children's Museum by Bill Christensen. Ten year old cousins Vanda Hee and Lyra Ho had beautiful displays with shells in their cases not found in collections of many more advanced collectors. Their explanation for the rare shells was, "Our friend dives for black coral and gives us the shells". (P.S. I must make it a point to meet some black coral divers.)

7 year old Mervin Lum was in daily evidence working around the display area, carrying chairs for movies each evening and pointing out various displays. His photo was used several times in publicity for the Fair. He also won a blue ribbon in his age group.

The fifth Junior, exhibiting shells, was Jerry Wade, a 7 year old collector from Haleiwa, now in his third year of shelling. Brigitte Wade, the 12 year old sister of Jerry, won the First Prize in the 12 to 16 year old age group. Her collection included an attractive display of spiny oysters. Congratulations to all the Juniors for their exhibits and we hope to have more young people exhibiting in the 1965 Shell Fair.

There were two exhibits from the Mainland and one from Hilo on the Big Island. An outstanding display was received from the Port Isabel Shell Club, Port Isabel, Texas. It was sent to Honolulu by Mrs. Lawrence K. Allen under the sponsorship of the Board of Park Commissioners of South Padre Island, Texas.

Another excellent display was received from Mrs. Henry B. Dow, Springfield, Mass., in the name of the Connecticut Valley Shell Club.

Mrs. Twila Bratcher, HMS member from California, combined vacation and shell-fair time for a visit and collecting trip on Oahu and the outer Islands. Her *Cypraea talpa* and *C. tessellata*, with other live collected shells, were placed in a marine aquarium provided by South Seas Aquatics. The colorful *talpa* with its silver and black mantle was enjoyed by all but particularly the children for whom the *talpa* performed like a veteran actor as it retracted and spread its mantle. Mrs. Bratcher also spent much time helping with tickets and programs at the door.

Another extremely interesting display was the terrarium set up by Mr. and Mrs. Sterling Park. There were several color variations of the Hawaiian tree snails and two rare tree frogs that were, if possible, more colorful than the snails.

Mrs. Fisher, a Hilo resident and mother of HMS member Virginia Dennis, loaned the Society a tremendous *Megalotroctus arunas* (False Trumpet Shell). The great size of this shell can be seen in the accompanying illustration. Its length is 25-1/2".

Selling Shells Successfully

by EVELYN GAGE

The across the counter sales of the 1964 Shell Fair were more than twice as successful as our last Shell Fair. Our bank deposits totaled \$834.86. From this we will have to deduct the wholesale cost of the books we sold and then we will have cleared \$775.00.

Everyone who could spare their time, their ideas or their shells (and in some cases all three) got into the act this time. Every Thursday night for ten weeks we met at the Ala Moana Park Children's Museum to make things, to bring things that were completed at home and to take home more things to make into sales item, and to exchange ideas. Working together made our Shell Sales a success and suggests the possibility that the "Shell Store" could be a great source of revenue for our club if handled by experts.

So many club members contributed ideas, time, and shells that space prevents thanking all of you by name.

A special thank you to Mrs. O.J. Burnett of Honolulu who heard about our Shell Fair and gave us many shells she had brought here from Australia.

Honolulu businessmen gave us things for this Shell Fair that we would have had to buy or not have had at all. A sincere "thank you" goes to each of them from our Shell Fair Committee. We will not itemize these gifts but will list alphabetically the business firms so that each Shell Club Member can give his own thanks when an occasion permits:

Ace's NEW STATE INSTRUMENT SHOP
ACE ROWELL, owner
1345 S. Beretania St., Honolulu, Hawaii

HAWAIIAN WOOD PRODUCTS
Paul Fujimoto, owner
SCULPTURE in ISLAND WOOD
1727 Silva St., Honolulu, Hawaii

House of HUNEHUNE
(A bit of this and that)
Ted Adameck, owner
47-659 Kam Hwy., Kahala, Oahu, Hawaii

MAUI DIVERS OF HAWAII
Designers of Jewelry set with
Black Coral Gems
JOHN STEWART, owner
1210 Waimanu St., Honolulu, Hawaii

RICHMOND TRANSFER & STORAGE CO.
HERMAN (BILL) BURKARD, mgr.
2830 Mokomoa St., Honolulu, Hawaii

SPENCECLIFF CORP., LTD.
SPENCER AND
CLIFTON WEAVER, owners
2709 Kalakaua Ave., Honolulu, Hawaii

TANDY-TOYS FOR MEN
AQUA LUNG DIVING EQUIPMENT
ETHYLE M. JONES, owner
1310 S. Beretania St., Honolulu, Hawaii

F.W. WOOLWORTH CO.
FRED MITCHIE, manager
IF HONOLULU HAS IT
WOOLWORTH SELLS IT
ALA MOANA SHOPPING CENTER
Honolulu, Hawaii



All Photographs by E. Cross
Miss Brigitte Wade, Haleiwa, Oahu, with her fine collection of *Spondylus*. These spiny beauties made a wonderful display and won "Biggie" Wade a blue ribbon.



Hap and Vicki Leggett, of Ewa Beach, admire the *Cypraea* collection displayed by A. L. Klinkenberg. Hap is with Standard Oil Co. at the Barber's Point refinery.



Mr. and Mrs. Harry Kutara, with Miles and Debbie, 5153 Kilauea Avenue, Honolulu, learn about *Murex pele* and *Murex insularium* from growth series of the two species displayed by E. R. Cross.

TREE FROGS EXHIBITED AT FAIR

by STERLING PARK

Due to the immense interest shown and the many people who visited the Shell Fair primarily to see the little tree frogs, I feel compelled to tell their story.

After fending off my wife's pleas for a terrarium as long as domestic tranquility would permit, my resistance broke in early August. We installed mosses, ferns, etc. from my wanderings in the mountains, and I must confess I was pleased with the result. In return for my overwhelming generosity, I was able to extract the promise that I could board live tree snails, *Achatinella*. When she conceded so enthusiastically I knew I'd been took. Then came the reprisal. I was given strict instructions to find some bright colored tree frogs. Though I calmly but firmly assured her the island was devoid of such creatures, she remained adamant.

To make a long story a little longer, the next day found us in the boondocks in the Waikane area. When she yelled, I made my way to her, trying to remember what the Scout Manual had said about splints. There was Emily and tree frog, both sparkling like jewels.

A week later we found its companion. Apparently they had left their arboreal home and came down to the ground floor for purposes of procreation.

After perusing the scanty information available, we find they are *Dendrobates tinctorius* from Central America, introduced by Mr. Fullaway of the Territorial Board of Agriculture and Forestry and released in Manoa in 1932. It seemed that they didn't "take" since reported sightings promptly dropped to zero, yet here they

were, many miles and many mountains away.

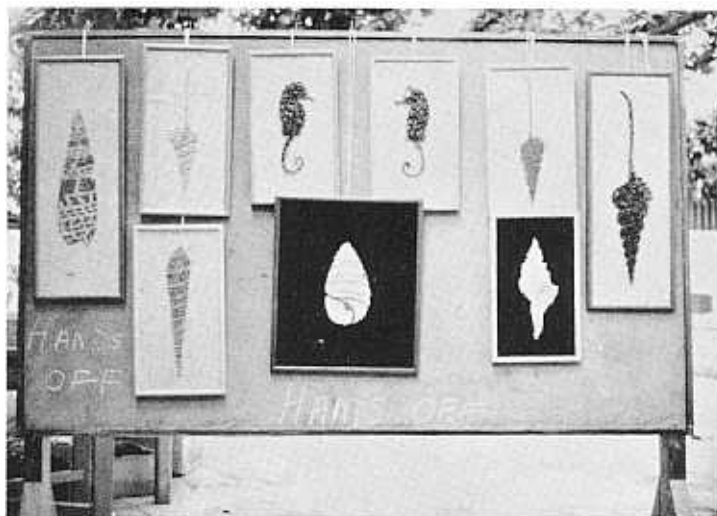
I believe we can safely speculate that there are quite a few scattered over the Koolau Range, but because of their bizarre metallic green spots and bands on dark brown and their normal habitat high in the dense foliage, they are overlooked.

Central American Indians have applied their mucus to arrow points to produce very effective poisoned arrows.

A little overripe fruit in an open jar attracts enough *Drosophila* flies for several days' *kaukau* (food) for our pets. I know this isn't malacology, but "ya gotta get 'em in the tent" and to the ticket buying layman, case after case of "pretty shells", no matter how hard come by or unblemished, are of no more interest than, say, a rock collection.



The busy shell store has a relative slack period during the showing of the evening film. Thousands of shells, priced from a few pennies to several dollars were available and sold thanks to the untiring efforts of Evelyn Gage and her able group.



A feature attraction of the store were these beautiful mosaics done by talented Evelyn Gage. The three left frames were replicas of shells made from thousands of Niihau shells (tiny shells from the island of Niihau). The two right works were made of thousands (count 'em) *opercula* from *Nerita nicea*. These are truly collectors items.

SHELLING AREAS ON OAHU

by E. R. CROSS

Shells, like gold, are where you find them. But certain shells live in well defined areas and habitats. Definite techniques must be developed for working each of the various habitats of the many species of shells found on Oahu. Probably the most difficult habitat to work are the large coral-heads.

Isolated coral heads located in sand flats, or in sloping hard pan areas, are much more apt to produce good shelling than areas covered with windrows of coral formations. A good shelling area is shown in the photo.

Tearing up a coral-head such as seen in the left center of the picture stirs up a lot of silt and at times reduces visibility to only a few inches. Collecting from such areas is usually for a scuba equipped diver.

To insure finding the shells in such a coral-head I follow a simple technique. First the area surrounding the coral-head is checked for shells such as miters and *Terebra*. The smaller coral pieces are turned over and checked for shells. Most *Murex pele* and both *Cypraea cernica* that I have collected were attached to the under side of small, isolated pieces of coral. After checking for shells these are thrown clear of the area surrounding the larger coral-head which I systematically start tearing to pieces.

As each fragment is pried off it is checked for shells and then tossed into the area previously cleared. The reason for this method is that some shells drop off the coral the moment it is disturbed. Others hang on momentarily then drop off. After the coral-head has been demolished

I again check each piece previously tossed aside, searching for any shells that might still be clinging to the coral or that have dropped off as the coral hit the cleared area. By this time the area originally occupied by the coral-head should have cleared up and I start fanning the silt under the coral-head.

In 40 to 50 feet of water a coral-head such as this might produce several species of *Cypraea*, the species depending on the marine growth in the coral. Most *Cypraea tessellata* that I have collected have been found in such a coral-head and almost always there was a brownish, leaf-like, algal growth into which the *tessellata* blended perfectly. If the coral-head contained a reddish sponge-like-growth, *Cypraea fimbriata*, *teres*, *gaskoini*, and *rashleighana* might be found. If a brilliant, yellowish growth is present no shells are likely to be found. Most *Cypraea* will be found in the upper branches of the coral-head.

In the lower branches near the ocean bottom might be found species of *Cymatium*, *Nassarius papillosus*, *Latirus nodus* (although this shell is more likely to be found out in the open), and several smaller cone species. The fine silt under the coral-head is a likely place for *Conus textile* and *striatus*, *spiceri*, *pertusus*, and *Distorsio anus*, to mention a few of the more uncommon shells. *Conus leopardus* is usually found out in the open in sandy or slightly silty areas such as between the coral-heads and coral rubble in the photo. This also applies to *Murex insularium* and some of the more common deep water cones such as *lividus*, *flavidus*, *imperialis*, *mor-*

letti, and in shallower water, *ebraeus* and *chaldaeus*.

An area as shown in the accompanying photograph should provide collecting for at least 35 minutes which is my usual time for a single cylinder of air in 60 to 70 feet of water. It could easily produce 15 to 20 species of shells. The secret of rewarding collecting is thoroughness and patience. Like gold, the shells are there. All you have to do is find them.

AREA 1

Cypraea tigris, 10 to 18 feet
Aplodon tectus, 7 to 10 feet
Coralliophila bulbiformis, 7 to 15 feet
Peristernia chlorostoma, 7 to 15 feet
Clivipolia thaenumi, 7 to 15 feet
Trochus intexus, all depths

AREA 2

Bulla adamsi, dead
Mitra astricta, in sand
Mitra cucumerina, in sand
Mitra litterata, in sand
Terebra crenulata, in sand
Terebra maculata, in sand
Terebra guttata, in sand
Terebra argus, in sand
Terebra gouldi, in sand
Terebra felina, in sand
Terebra funiculata, in sand
Hastula verreauxi, in sand
Hastula lanceata, in sand
Hastula penicillata, in sand
Turbonilla varicosa, in sand
Philippia hybrida, in sand
Cassia cornuta, in sand
Cymatium rubecula, under coral
Cymatium pileare, under coral
Distorsio anus, under coral
Tonna perdx, in sand

AREA 3

(From dredgings of second entrance)
Architectonica perspectiva, fossil
Casmaria erinaceus, fossil
Casmaria ponderosa, fossil
Conus aulicus, fossil
Conus acutangulus, fossil
Conus pennaceus, fossil
Cypraea scurra, dead with animal
Cypraea semiplota, fossil
Fusinus sandwichensis, fossil
Mitra patriarchalis, fossil
Mitra baldwini, fossil

AREA 3 (In shallow water along channel)

Conus leopardus, 3 to 10 feet
Conus quercinus 3 to 7 feet
Arca hawaiiensis, dredged

AREA 4 (Most of the following also found in shallow water in AREA 3)

Amalthea conica, beach to 3 feet
Aspella anceps, 1 to 3 feet
Bulla adamsi, 1 to 3 feet
Bulla peaseana, 1 to 3 feet
Calyptrea spinosum, beach to 3 feet
Cerithium thaenumi, 1 to 3 feet
Columbella varians, 1 to 3 feet
Coralliophila bulbiformis, 1 to 3 feet
Coralliophila violacea, 1 to 3 feet
Crepidula aculeata, 1 to 3 feet
Cymatium gemmatum, 1 to 3 feet
Cymatium intermedia, 1 to 3 feet
Cymatium nicobarium, 1 to 3 feet
Cymatium pileare, 1 to 3 feet
Cymatium tuberosum, 1 to 3 feet
Cypraea caputserpentis, shore to 4 feet
Cypraea helvola, 1 to 8 feet
Cypraea moneta, 1 to 3 feet
Drupa brunneolabrum, 1 to 3 feet
Drupa nodus, 1 to 10 feet

(Cont'd on Page 8)



WINNERS OF DIVISIONS AND CLASSES FOR 1964 HAWAIIAN SHELL FAIR

DIVISION I (Marine Shells from Hawaii)

- Class 1. More than one family
 2. One family or sub-family
 3. One genus or sub-genus
 4. One species or sub-species
 (a) Size or growth series
 (b) Color or shape variation

FIRST

Lyman Higa
 Reggie Gage
 Richard Smith

SECOND

George Aiona
 Dale Lent
 No entry

DIVISION II (Marine Shells from a Restricted Geographical Area other than Hawaii)

- Class 1. More than one family
 2. One family or sub-family
 3. One genus or sub-genus
 4. One species or sub-species
 (a) Size or growth series
 (b) Color or shape variation

Ellis Cross
 Bobby Gutierrez
 Port Isabel,
 Texas Shell Club
 John Roberts
 Connecticut Valley
 Shell Club

Tom Richert
 Alan Tiedeman
 other than Hawaii)
 No Entry
 Tom Richert
 No Entry

DIVISION III (World-Wide Marine Shells)

- Class 1. More than one family
 2. One family or sub-family
 3. One genus or sub-genus
 (No further awards this Division)

No Entry
 Carl Christensen

No Entry
 No Entry

DIVISION IV (Live Shell Exhibit)

(No entries this Division)

DIVISION V (Miscellaneous Exhibits)

- Class 1. Hawaiian Land Shells
 2. Educational Exhibits
 3. Shellcraft or Decorations
 Class 4 and 5
 (No awards this Division)

John Obata
 Mrs. Tom Shields
 Mrs. Spencer Tinker

No Entry
 Mrs. Tom Shields
 Twila Bratcher

Class 6. Commercial Exhibit

7. Fossil Shells
 8. Miniature Shells

Mrs. M.W. Fisher
 Tony Polansky
 No Entry

No Entry
 No Entry
 No Entry

DIVISION VI (Specialized Collections)

(No awards this Division)

DIVISION VII

- Class 1. Junior Exhibit (12 to 16 years)
 2. " " (11 years or under)

Brigitte Wade
 Mervin Lum

No Entry
 Spencer Tom

("SPECIAL COMMENDATION" class 2 to Vanda Hee and Lyra Ho)

Also, FIRST PRIZE, MISCELLANEOUS EXHIBIT given to Kamehameha School, Fourth Grade for Shell Mural.

DIVISION VIII

- Class 1. (Adult Beginners)

Jack Uyemura

A.L. Klinkenberg

DIVISION IX

- Class 1. Rare Hawaiian Shells
 2. Rare Shells, World-Wide

Ellis Cross
 Port Isabel,
 Texas Shell Club

Lyman Higa
 Virginia Dennis

SHELLS OF THE SHOW

Clivipollia fragaria and Cypraea cernica marielae exhibited by Ellis Cross
 DIVISION X (Largest Hawaiian Shells, not Fossil--Length plus width)

	SIZE (mm.)
1. <u>Cassis cornuta</u>	314 x 216.5
2. <u>Charonia tritonis</u>	443.5 x 225
3. <u>Conus leopardus</u>	221 x 123.5
4. <u>Conus marmoreus bandanus</u>	137 x 71.9
5. <u>Conus spiceri</u>	146 x 71.9
6. <u>Conus quercinus</u>	127.6 x 80.1
7. <u>Conus striatus</u>	120 x 53
8. <u>Conus textile</u>	116.6 x 64.5
9. <u>Cypraea tigris schilderiana</u>	142 x 98
10. <u>Cypraea mauritiana</u>	117.7 x 82.6
11. <u>Cypraea talpa</u>	95.2 x 54
12. <u>Cypraea leviathan</u>	76.8 x 48.1
13. <u>Cypraea maculifera</u>	87.6 x 57.2
14. <u>Cypraea tessellata</u>	45 x 29.9
15. <u>Cypraea sulcidentata</u>	54.6 x 38
16. <u>Murex insularum</u> (formerly <u>torrefactus</u>)	100.5 x 65.3
17. <u>Murex anatomicus</u> (formerly <u>pele</u>)	57.3 x ---
18. <u>Strombus vomer hawaiiensis</u>	98.4 x 48.7
19. <u>Terebra maculata</u>	230 x 40.6
20. <u>Tona perdex</u>	152 x 99
21. <u>Mitra mitra</u>	148.6 x 40.7
22. <u>Mitra papalis</u>	116.8 x 38.2
23. <u>Mitra incompta</u> (formerly <u>tessellata</u>)	96.1 x 27.1
24. <u>Terebra areolata</u> (formerly <u>muscaria</u>)	151 x 25

WINNER
Cliff Weaver
Mrs. M.W. Fisher
Cliff Weaver
Alan Tiedeman
Bobby Gutierrez
Cliff Weaver
Cliff Weaver
Cliff Weaver
Bobby Gutierrez
Cliff Weaver
Cliff Weaver
Reggie Gage
Edwin DeVaul
Bobby Gutierrez
Bobby Gutierrez
Cliff Weaver
Bobby Gutierrez
Cliff Weaver
Cliff Weaver
Lyman Higa
John Roberts
Cliff Weaver
Cliff Weaver
A.L. Klinkenberg

NOTE: "SMITHSONIAN AWARD" not awarded this year.

REGULAR OCTOBER HMS MEETING as reported by Mique Pinkerton

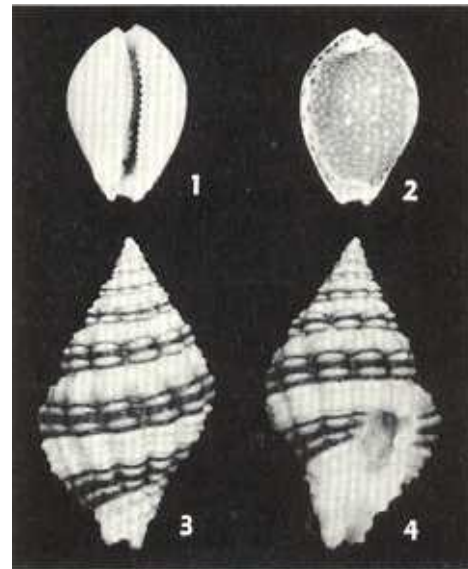
A weary but apparently satisfied President opened the regular meeting of the H.M.S. at 7:30 p.m. on Oct. 7; weary from the many hours of hard work in connection with the Shell Fair. The ten day Fair was most exhausting but extremely rewarding. Members in attendance were given the final results...as best calculated at this time. (A few bills, checks, etc., are still out.) The result is approximately a \$2000.00 gross, for a net in the vicinity of \$1200.00. A hearty thanks to all for such a success.

The usual greeting of guests warmed us further when it turned out that there were 22 visiting enthusiasts, some of whom had already joined our club with most of the others vowing to do so soon. Among this group was a large percent of teachers and instructors--a gratifying result of the educational value of our Fair and the fact that the words malacology, conchology, etc., are taking their place more and more in the classroom.

The big issue of the evening was of course our annual election of officers... Down the line they are:
 President - Ellis Cross
 (Bobby Lee withdrew his name.)
 Vice President - Chas. Boerner
 Recording Secretary - Pat McGuire
 Corresponding Secretary -
 Mr. and Mrs. Neal Seamon
 Treasurer - Michele Williford

Following this business session, Dale Lent, vice-president and program chairman, showed slides and commented on his home in Vancouver, British Columbia. Also on display were shells taken from the same area including actual ones shown in the film.

Shells Of The Show



Photographs by C. Weaver Enlarged

Shown above are Ellis Cross' two prize winning shells which were judged the "SHELLS OF THE SHOW"; Figs. 1 & 2: Cypraea cernica marielae. Length: 23mm; from Oahu. Figs. 3 & 4: Clivipollia fragaria (Wood). Length: 21mm; from Oahu.

A NEWLY DESCRIBED COWRY SPECIES FROM MELANESIA

(*Notadusta rabaulensis* Schilder, 1964)

by F. A. SCHILDER

Readers of the HSN possibly will be interested in the fact that the writer has just described a new cowry from New Britain (Archiv f. Molluskenk. 93:141,fig. 1-2, July 1964); the unique shell has been dredged at 44 fathoms off Rabaul by E.H. Schlosser, and is now preserved in the collection of Ray Summers, Petaluma, California. The owner is of the opinion that a shell should not be described when only one specimen is known, but he has authorized me to do so as I think the inconspicuous small cowry to be distinct from any known species. Therefore I named it *Notadusta rabaulensis* as it has already been mentioned as "the species from Rabaul" in 1963 (HSN (n.s.) 47:7).

The figure of the holotype has been reproduced above by courtesy of Dr. A. Zilch, the editor of the *Archiv fur Molluskenkunde*; it had been copied by Miss Lydia Klotz, University of Halle, Germany, from a color photograph made by Allyn G. Smith of the Californian Academy of Sciences.

The shell is 24.1 mm. long and exhibits 21 labial and 23 columellar teeth; it approaches the Japanese *Notadusta katsuae* Kuroda (see Schilder 1963, Arch. Mollusk. 92:126, fig. 3), but differs by having much less numerous teeth on both lips and by the absence of the fulvous striae on the base. Though the shell is rather vividly colored it is "ugly medium brown" (Summers) on the dorsum, yellowish on the outer lip. Other details may be read in the original description.

Notadusta rabaulensis approaches *Purpuradusta raysummersi* Schilder (1960, Arch.Mollusk. 89:190,pl.15,fig.3) in the characters of the teeth, but it differs by the absence of the purple terminal spots, the narrower dorsal zones, and the distinctly recurved rear of the inner lip. Thus the new species brings the genera *Notadusta* and *Purpuradusta* nearer to each other.

Let us hope that more specimens of this interesting species will turn up in the future!

Attention Hawaiian Collectors!

Editor: Part of a letter from Dr. Alan Kohn is reprinted below in hopes that it will trigger a response among Hawaiian collectors. Mr. Spencer Tinker has indicated that he will allow live cone specimens to be kept alive in a tank at the Honolulu Aquarium in Waikiki for this experiment.

Dr. Alan J. Kohn
Department of Zoology
University of Washington
Seattle, Washington

Dear Cliff:

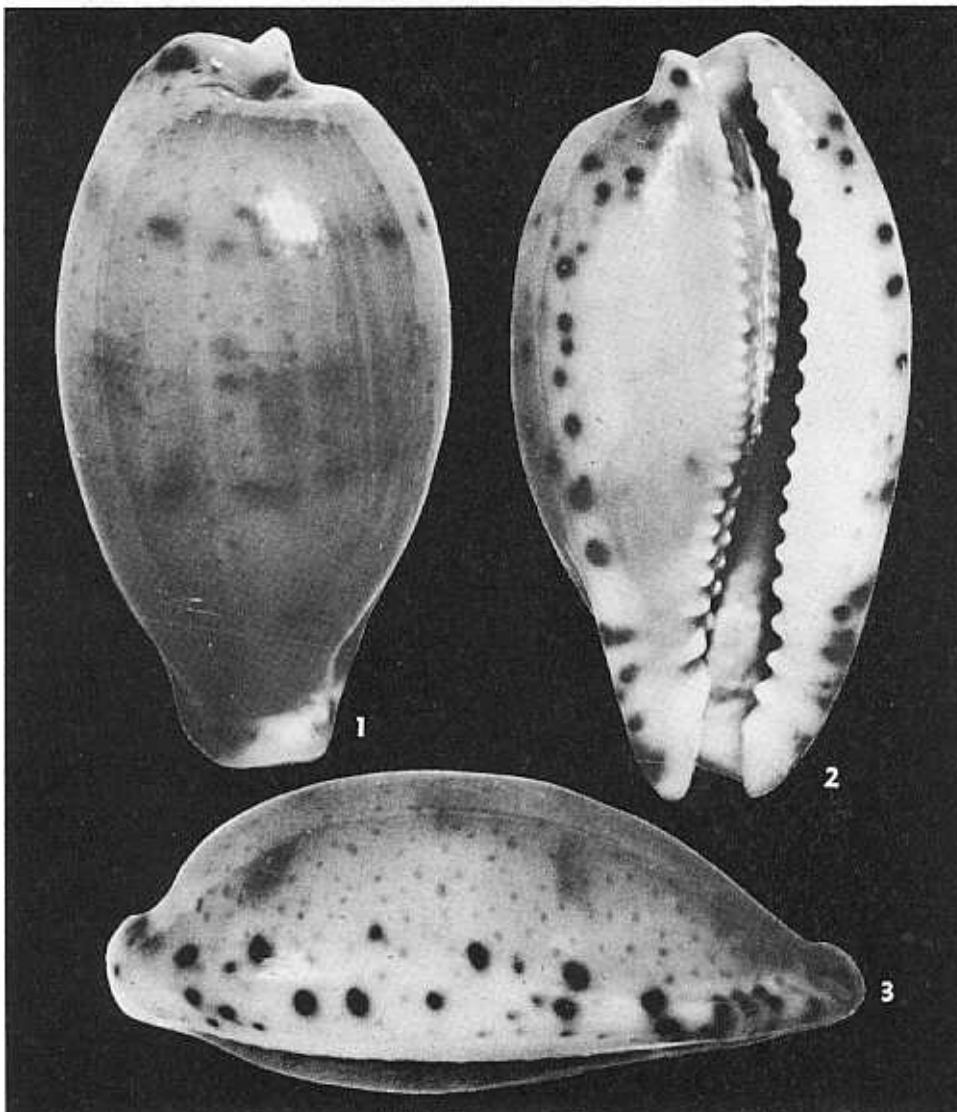
My latest *Conus* project is to attempt to obtain a considerable quantity of *Conus* venom for a group of research chemists, who are planning to isolate and work out the chemical structure of the active principles. To do this, I am planning to make a collecting trip to Hawaii in December, when I plan to solicit the cooperation of members of the Hawaiian Malacological Society by inviting them to retain for this project living specimens of certain species which they do not want to keep for their own collections. The specimens would have to be kept alive until I arrive and could prepare the venom from them. I have written to Spencer Tinker asking him if members who would be willing to help, but do not have home aquaria, could deposit specimens at the aquarium. It is probable that some funds will be available to defray collectors' expenses.

I have decided to try to collect large samples (up to 100 specimens) of three species with differing food habits, and presumably different venoms. These are *C. catus*, *C. pennaceus*, and *C. lividus*. All have a relatively large venom apparatus, so a minimal number would be required to supply the required volume of venom. Ideally they should be collected from many localities and over a long period of time-- I don't want to destroy any populations.

Of the three species, *C. catus* is both the least common and the most interesting, as it feeds normally on vertebrates and probably has the most potent venom. If in your collecting you come upon any of these species, and especially *C. catus*, I would be most grateful if you could toss any of those shells you don't want to keep into your tanks. As you know, they require almost no care."

Editor: Arrangements to place your live-collected cones in the Honolulu Aquarium can be made by calling Cliff Weaver (after 5:00 p.m.) at 250-086.

Let's give fellow HMS member Alan Kohn all the help we can.



Photograph by A. Smith

Holotype of *N. rabaulensis*

Greatly Enlarged



Mrs. Jenny F. Worrall
Bath, North Carolina
27808

Wishes to exchange shells with collectors in Hawaii and other foreign countries,

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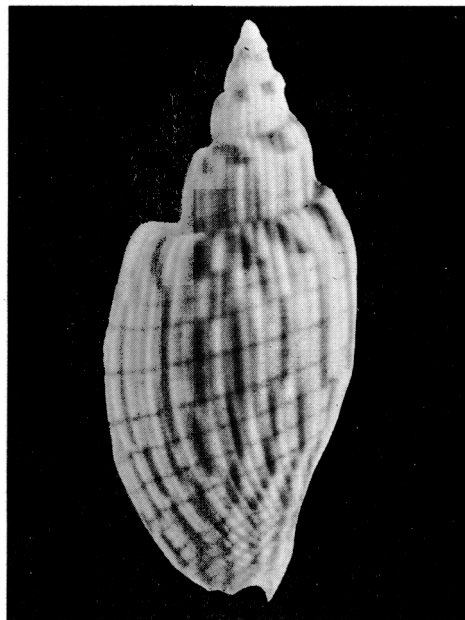
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NEW VOLUTE DESCRIBED



Enlarged

Shown above is the dorsal aspect of the paratype of *Harpeola kurodai* Kawamura, described in the May, 1964 issue of *Venus*, *The Japanese Journal of Malacology*, Vol. 23, No. 1, pp. 22, 23, pl. 2, fig. 1.

This beautiful shell is presently in Mr. Akifumi Teramachi's collection in Kyoto, Japan. The paratype measures 82mm. in length. Both known specimens were dredged from 20 fms. of water on the Formosa Bank, south of West Formosa (118°E, 21° N.) in the South China Sea.

The species is named in honor of Dr. T. Kuroda.

SHELLING AREAS ON OAHU (Cont'd from Page 5)

Drupa granulatus, 1 to 3 feet
Drupa recina, 1 to 3 feet
Engina billeheusti, shore to 3 feet
Heliacus variegatus, shore to 3 feet
Laemodonta clausa, 1 to 3 feet
Nassarius hirtus, shore to 4 feet
Nassarius reeveanus, 1 to 3 feet
Peristernia chlorostoma, 1 to 3 feet
Pilosabia pilosa, beach
Polinices pyriformis, 1 to 3 feet
Purpura affinis, shore to 3 feet
Vitularia sandwichensis, beach to 3 feet

AREA 5

Pupa thaanumi, shallow pools
Strombus helli, 5 feet
Cypraea caputserpentis, shore to 3 feet
Cypraea granulata, 1 to 3 feet
Tonna perdix, mud-shallow
Natica sagittata, 1 to 3 feet
Clivipolia thaanumi, 1 to 3 feet
Polinices opacus, shore to 3 feet
Trochus intextus, beach to 3 feet

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