

NORTH CAROLINA SHELL CLUB BULLETIN

1965

NO. 2



HUGH J. PORTER, EDITOR



MESSAGE FROM THE N.C. SHELL CLUB PRESIDENT  
Mr. Paul R. Jennewein

An ambitious program is what you members of the North Carolina Shell Club have set out for yourselves this year:

--Legally establishing the Scotch Bonnet (Phalium granulatum, Born) as the State Shell.

--Adding to the shell exhibit at the North Carolina Museum of Natural History so that it, in the memory of Mrs. Lula Upchurch, may become the finest collection of its type for a state museum.

--Creating and developing a stronger and more active membership.

Committees have already started functioning on the first two projects. The third project is actually a continuation of what the Shell Club has been doing over the years, improving as it has gone along. To me, each year has been more fun than the year before. I think for most of us, this has been true.

Perhaps we can interest one new person in this delightful hobby this year. I'm sure that many persons would become members if they had an inkling of the pleasures connected with the hobby.

Enjoyable to many has been the salty tang in fresh air while walking along the surf of a deserted beach; the fascinating study involved in the identification and classification of shells found on these "field" trips, and the experiences of other shell collectors and professional scientists in these and allied fields. (It will take the place of tranquilizers.)

Add to this the sense of belonging to a worthwhile organization with additional fellowship and friendship, and you can see why many are members of the N.C. Shell Club. Many too, I'm sure, would like to join, but need perhaps only a gentle prod or reminder to become members.

Since I'm sort of new at this presidency bit, I would welcome, too, any suggestions for improving the meetings. Let's make it a memorable year.

X-Ray photo by J. W. Reintjes, U. S. Bureau of Commercial Fisheries Laboratory, Beaufort, N.C. (Scotch Bonnet).

# IN MEMORY OF LULA UPCHURCH

Think a moment, fellow club members with me,  
of one who is gone, Lula we cannot see,  
Yet her presence is here, and will be, ever near  
Near to each shell lover, near to this club.

Her enthusiasm, wholesome friendliness  
and passionate love of shells,  
Brought to all a warm and joyous spell.

She shared her knowledge of every find,  
Studied each sea shell whatever kind,  
Gave of her treasures in wholehearted measure.

I can see her now as she trudged thru the sand,  
or paused just so, to patiently stand  
Watching the tide - its ebb and its flow.

Could it be in the great beyond  
Where stars twinkle and light the sky,  
And gossamer clouds go drifting by  
Where the harp sounds clear at a tinkling bell  
Will our friend find there, her rare and perfect shell.

Mrs. Russell (Elizabeth) McKinley

## SHELLING THE NAGS HEAD AND CAPE HATTERAS BEACHES Mr. Jess Newman, Nags Head, N.C.

Beach shelling is best in the months of January,  
February and March. Shells found commonly on the beach  
at this time of the year are:

Busycon conaliculatum (Channeled Whelk)

" contrarium (Left-handed Whelk)

" carica eliceans

Sinum perspectivum (Baby's or Lady's Ear)

Polinices duplicata (Shark Eye)

Lunatia heros (Moon Shell)

Crepidula convexa glauca (Slipper Shell)

Spirula spirula (Ram's Horn)

Divaricella quadrisulcata (Toe-nail Shell or  
Crosshatched Lucina)

Atrina serrata (Fan Shell or Saw-toothed Pen Shell)  
Ensis directus (Razor or Jackknife Clam)  
Cyrtopleura costata (Angel Wing)

At low tide at night with a good light it is possible  
to find live Calico Scallops (Aequipecten gibbus),  
Lettered Olives (Oliva sayana) and Scotch Bonnets  
(Phalium granulatum).

In August after a heavy east wind, rafts of the  
Purple Sea-snail (Janthina globosa) are often washed  
ashore onto the beaches. In early winter months the real  
treasure of the beach - the Paper Nautilus (Argonauta  
argo) may wash ashore.

Off-shore an abundance of shells live in deep water  
and never reach the beach. Dredging could be very  
interesting and profitable. Many shells are unknown to  
most collectors while some are probably waiting to be  
discovered for the first time.

## THE NORTH CAROLINA MUSEUM SHELL COLLECTION Mr. Harry Davis, Director N. C. State Museum

The idea of a North Carolina Collection or Museum  
seems to have originated with the mineral collection of  
the first state Geologist in 1823. Through the years this  
has grown to a creditable institution, with educational  
exhibits of natural history and educational natural  
resources. The subjects covered are from astronomy and  
geology through all native plants and animals. The  
exhibits occupy 30,000 square feet on three floors.

The Museum is entered from 101 Halifax Street, one-  
half block north of the Capitol Square. It is free and  
is open from 9 A.M. to 5 P.M. on weekdays and from 1 P.M.  
to 5 P.M. on Sundays. This applies to all State Holidays  
except Christmas and New Years.

Through the years the Museum has accessioned a number  
of small collections of mollusk shells. These came from  
all parts of the world and were merely stored and much of  
the data was misplaced.

Up until the organization of the North Carolina Shell  
Club, the zoologist had not featured any mollusk exhibits



except for some commercial aspects of oysters, clams, etc. His aims were at more picturesque animals.

The Shell Club, and available space after 1954, prompted the present arrangement for shell exhibits. The effort was to show foundation exhibits based on scientific classifications. The hope was to fill these out as material and personnel should allow.

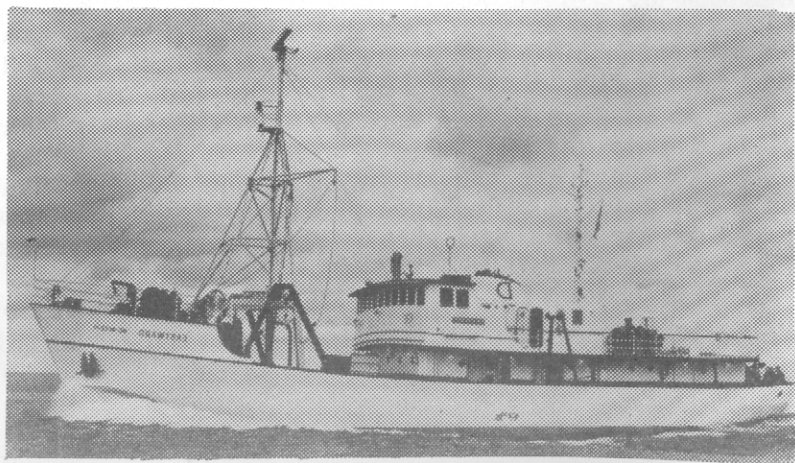
Since most of our visitors come from North Carolina, we reason that the major emphasis should be on shells from this area. We also realize that other shells can well be used to emphasize educational features for our visitors.

Thus we welcome assistance from the Shell Club, and deem it fitting and proper that this be in memory of the late Mrs. Lula Upchurch.

THE DUKE UNIVERSITY OCEANOGRAPHIC RESEARCH VESSEL "EASTWARD"

Mrs. Smith Whiteside from material  
furnished by Duke Univ. Information Services

Although the Duke University bio-oceanographic research vessel, "Eastward" will be dedicated in the spring of 1965, she is already being used on research cruises of from one to five days. The 117.5 ft. craft has a crew of 15 under Captain David L. Beveridge. There is a capacity for 99 students on eight-hour cruises or 15 students and/or faculty members on extended cruises of up to 21 days, with a range of 5,000 miles. The vessel has the ability to explore depths of 4,000 fathoms (24,000 ft.).



Dr. Robert Menzies is the chief scientist and the Director of Duke's Cooperative Program in Oceanography. Under this program students from 25 institutions will be able to use the ship for research while seeking advanced degrees from their own institutions. Dr. C. G. Bookhout, Professor of Zoology at Duke is the Director of the Marine Laboratory.

The National Science Foundation has joined with Duke in the birth of the first U. S. research vessel designed explicitly to carry out a program of investigations in the basic biological sciences, although Stanford University has been operating the two-masted schooner, "R/V TeVega" in the South Pacific and Indian Oceans for nearly a year under a grant from the National Science Foundation. The Duke vessel is a pioneer in this experience as she has all the equipment of a large vessel, while enjoying the economies of a smaller one.

THE GAUDY SCALLOP  
Mr. Wade G. Brown

In response to my offer to make a minor contribution to the Bulletin, your Editor suggested something on Western Atlantic Pectens, and said in part, "You may wish to give your comments on when and where you have had the most success hunting for scallops. . ." This was quite amusing, for little did the Editor know that he addressed the foremost Authority in the World on the question of when and where one is least likely to find scallops! Like a fisherman, I have always managed to be present at the best place a week or a tide too late. However, since I was given an "out", let's talk about the magnificently varied beauty of one of our common pectens, which I call the "gaudy" scallop.

The Sentis Scallop, Chlamys sentis Reeve, may be found from North Carolina south to the West Indies, below low tide range under rocks or other cover. Fairly common in the southern range, it may be purchased for \$0.50 to \$1.00 per pair. It grows to about 1-1/2 inches long and is fan shaped, with about 50 ribs with fine scales, giving it a handsomely velvety appearance. The valves are quite flat, and it is a good subject for display in Riker mounts, trays, or shell pictures.

This beautiful shell occurs in a great variety of brilliant colors and color combinations. Some of the

variations I have are as follows (You can find many more):

1. Both valves more or less uniform:

(continued on p. 28.)

BIOGRAPHY OF A NORTH CAROLINA SHELL CLUB MEMBER - DR.  
JOHN H. FERGUSON by Mr. James E. Wadsworth

Long-time Professor and Chairman, Department of Physiology (School of Medicine, Univ. North Carolina), Dr. John H. Ferguson, was born in Scotland but was raised and attended secondary schools in South Africa. "His first B.A. was obtained at the University of Capetown in 1921, but he obtained a second B.A. with Honors in Physiology and an M.A. from Oxford University, where he was a Rhodes Scholar from 1923-26. His interest in physiology and medicine led him to Harvard Medical School and an M.D. in 1928.

He has had an abiding interest in the mechanisms of blood coagulation and is widely recognized for his research in this area, which has resulted in over 130 publications. In 1957 his original alma mater, the Univ. of Capetown, awarded him a D.Sc. for a monograph based on his research in the clotting field.

Dr. Ferguson's broad interests and training have qualified him for teaching positions in pharmacology, pathology and bacteriology, as well as physiology, and he taught at the Universities of Capetown, Harvard, Yale, Alabama, and Michigan, before assuming his present position in 1943. He holds membership in numerous professional societies and has chaired and participated in various symposia and conferences, national and international, in his area of specialization. He is a member of the Harvard University Plasma Fractionation Commission and is a former consultant to the Atomic Energy Commission."

Now as all you Shellers can plainly see,

John was not kidding you and me,

When he gave the Class and Family,

of the Molluscs from River, Lake, and Sea.

One thing for sure, he knows the score;-

From his workshops, we learn more and more

His programs fine, are never a bore.

He must be inspired by the Ocean's roar.

The same intense thought that he has devoted to his medical research he has devoted to his study of molluscs during his hours away from the school and laboratory. During his years with the Shell Club, Dr. Ferguson served as Vice-president of the club and has done much for the programs of the club meetings. He has presented many taxonomic workshops and one not to be forgotten travelogue of he and his wife's shell collecting experiences in South Africa. He has a large personal shell collection which is quite varied and valuable.

The jovial manner, keen wit as well as the Scotch accent of Dr. John Ferguson are assets to all that he does.

\*The Bulletin, School of Medicine, Univ. N. C. December, 1964, 12(2):23.

BOOK REPORT: "STALKING THE BLUE-EYED SCALLOP" by Euell  
Gibbons David McKay Co. Inc., N.Y. \$5.95

Want to know where and when to catch live limpets, chitons, pen and moon shells? Want to eat sea urchins, cockles and angel wings?

This is not just another cookbook for it is full of anecdotes of shelling trips and people as well as instructions on how to find these succulent sea-delicacies, the basic cleaning and preparation, in fact the details that most cookbooks omit, if they even mention the creature!

Mr. Gibbons not only gives new and tantalizing recipes for all the shellfish we commonly eat, but also covers such things as the whelks, mussels, periwinkles, barnacle, octopi, edible seaweeds and beach plants for salads, vegetables and garnishes.

Many of the seashore's products that we either step over or throw away in ignorance, are not only edible but deliciously so according to Mr. Gibbons' many recipes and menu suggestions. Did you know that the entire animal of all pectens and pen are edible, not just the commercial scallop's adductor muscle?

This is a delightful book which makes fascinating reading for gourmets, experimental cooks, nature-lovers and malacologists. It would be an interesting and edu-

cational addition to any shell-collector's library.  
Mrs. Smith Whiteside

PARTIAL LIST OF CURRENT BOOKS OF INTEREST TO SHELL COLLECTORS - For more, consult List 549 from John Q. Burch, 4206 Halldale Ave., Los Angeles, Calif. 90062, in which most of these books were listed.

- Abbott, R. Tucker. American Seashells. \$15.00. The basic work on shells from both coasts of North America.
- Abbott, R. Tucker. Sea Shells of the World. \$1.00
- Allan, Joyce. Australian Shells. \$12.00.
- American Malacological Union. How to Collect Shells. \$2.00
- Clark, Eleanor. The Oysters of Locmariaquer. \$4.95. Pantheon Books. A last years best seller.
- Habe, T. Shells of the Western Pacific in Color vol. II. \$18.00. (May be the English version).
- Keen, A. Myra. Sea Shells of Tropical West America. 1960. \$12.50. Recommended highly.
- Kennelly, D. H. Marine Shells of Southern Africa. 1964. \$4.00. 92 pp text with 30 bl. & wht. plus 2 color plates.
- Kira, T. Shells of the Western Pacific in Color vol. I. \$18.00. (May be the English version).
- Lane, Frank W. Kingdom of the Octopus. \$7.50.
- Wagner, Robert J. L. and R. Tucker Abbott. Van Nostrand's Standard Catalog of Shells. \$4.50. Is a check list, tells the fair trade value plus giving much other information of value to the collector.
- Warmke, Germain L. & R. Tucker Abbott. Caribbean Seashells. 1961. \$8.95. Excellent book.

SHELL WANT-ADS RECEIVED BY THE CLUB SECRETARY

- Carlos Altimira Aleu, Av. Rep:Argentina, 54- pral. 2.<sup>a</sup>, Barcelona, Espana. --Wants to exchange land and fresh water shells with someone from this country.
- A. B. Orin, Rt. 1, 386 Neptune Court, Nipome, Calif.--Wishes to exchange shells from Baja Calif, Mexico and California shells for North Carolina shells.
- Kitti Westfall, 6909 Haines Road, Pinellas Park, Fla. --Wishes to exchange Florida shells for North Carolina shells.

Corpo Nazionale Giovani Esploratori Italiani, Unione Nazionale Giovani Esploratrici Italiane, Sotto L'alto Patronato Del Presidente Della Repubblica. Sezione Di Napoli, 69, Via F. Crispi. The Italian Boy Scouts' National Corps, is setting up a Museum, a section of which is going to be dedicated to the study of shells. They would appreciate any shell donations that our membership would send to them.

A PARTIAL LISTING OF SHELL DEALERS WHO HAVE BEEN IN CONTACT WITH OR HAVE SENT CATALOGUES TO N.C. SHELL CLUB

John Q. Burch, 4206 Halldale Ave., Los Angeles 62, Calif. 90062. (World-wide specimen shells; shell books).

Phillip W. Clover, Navy 535, Box 10, F.P.O., San Francisco, Calif. 96623, (mostly rare Indo-Pacific specimen shells).

George E. Jacobs, 853 Riverside Drive, New York 32, N.Y.

Prof. B. Kaspiew, 63 Duffy St., Ainslie, A.C.T., Australia. (Australian shells).

Donald Malick, 5514 Plymouth Road, Baltimore 14, Maryland. (Fossil shells).

Simon DeMarco, P. O. Box 1664, Fort Myers, Fla. (World-wide specimen shells).

Mr. Jim Moore, Sea Shell Supermarket, Palmetto, Fla. (Also sells bushels of dredged material from Gulf of Mexico - non-available until June, 1965).

George D. Robinson, 5347 Dartmouth Avenue North, St. Petersburg, Fla. (World-wide specimen shells).

Mrs. Mary Saul, c/o Divisional Commander - Interior, Sandakan, Sabah, Malaysia. (Native specimen shells).

Shinyo Koeki Co., P. O. Box #18, Abeno, Osaka, Japan.

Mr. V. F. Saxton, 2716 Fruitville Road, Sarasota, Fla.



M. Jean-Feliz Pierret, 37 Rue Martin Lindekens, Brussels 15, Belgium. (Specimen shells taken by diving or dredging off the coast of Brazil).

Mrs. Edna Marcott, 4545 - 77 Way North, St. Petersburg 9 Florida. (Florida shells - living and fossil).

Mrs. Selma R. Lawson, Box 6882, Pass-A-Grille, Fla. 33741, (World-wide specimen shells).

For more names of dealers see Van Nostrand's Standard Catalog of Shells. Also, to write for price lists from overseas dealers, Air Mail Letter forms may be purchased at your local postoffice for 11¢, good anywhere in the world. No enclosures permitted.

#### A SHELL COLLECTOR'S CODE OF ETHICS.

As first published by The Pacific Northwest Shell Club

BECAUSE I appreciate our heritage of wildlife and natural resources, I WILL make every effort to protect and preserve them, not only for my own future enjoyment, but also for the benefit of generations to come.

I WILL make sure that leave things as I found them during all of my shelling explorations.

I WILL return rocks, boulders, kelp and seaweeds to their original positions after looking beneath them.

I WILL refill the holes I dig and the burrows I uncover.

I WILL take only those specimens that I know I can clean and use.

I WILL leave behind the damaged and young specimens so that they may live and multiply.

I WILL never knowingly deplete an area of an entire species.

I WILL respect the property rights of others; treat public lands as I would the property of my friends and collect on private beaches only with the owner's permission.

I WILL leave behind no trash or litter and discard no burning material.

I WILL build fires with care, but only where legal and permissible.

I WILL obey all wildlife laws.

I WILL always use good outdoor manners.

#### REPORT OF CLUB ACTIVITIES SINCE LAST BULLETIN Hugh J. Porter, Secretary, N. C. Shell Club

The Christmas 1963 meeting, December 14, was held at the State Museum in Raleigh. During the meeting a door prize, Voluta sorby, was won by Mrs. Margaret Humphries and a hand-made sounding board was presented to the club by Mr. W. C. McLean. The constitution was changed to separate the office of Secy.-Treas. into two offices. The following motion pictures were shown: "Mollusca" and Walt Disney's "Mysteries of the Deep". New range records for North Carolina waters, many of which had been collected by Dr. Max Cerame-Vivas of the Duke Marine Lab., were presented by the Secy.-Treas. An enthusiastic report on the Jim Moore dredgings was given by the President. The following persons were elected to office for the 1964 year: Pres. - Mr. Carl Withrow, Vice-pres. - Dr. M. H. Bertling, Sec. - Mr. Hugh J. Porter, Treas. - Mrs. Elizabeth T. Mathews, and Exec. Comm. Member-at-large - Mr. Harry T. Davis.

The March 13-14, 1964 meeting was held in Myrtle Beach, South Carolina. This meeting was notable in that it was the first time the club had met out of state. Friday night Dr. Ferguson presented an illustrated workshop on the Strombacea, Hipponicacea, Calyptraea, Astartacea, Carditacea, and Isocardia. During the Sat. morning business meeting, the door prize, Murexsul octogonus, was won by Mrs. Mary Highfill. That afternoon the club went collecting on Pawley's Island.

Summer found the club meeting on Atlantic Beach, the weekend of May 22-24. During the Friday evening meeting, Dr. Ferguson continued with his workshop series by presenting a discussion on the: Lucinacea, Erycinacea, Chamacea, Calyptraea, Naticacea, and Atlantacea. Later, concern was expressed over the death of Dr. Fassett. A letter of condolence was drafted to be sent to Mrs. Fassett. Saturday morning 52 members went to Cape Lookout for collecting aboard two boats of the Raleigh YMCA Camp Seagull. The weather was better than the shelling. At

the afternoon business session, door prizes (set of Sunray Venuses, False Bailer Shell, and two carved wooden birds) were won by Mrs. Ruth Dixon, Mrs. Reba Fortune, and Mrs. W. H. Weatherspoon. Following the meeting, the members got together to compare notes on what was collected on the Cape Lookout trip. Moonlight collecting that evening on the beach by a number of members netted a number of live Lettered Olive Shells.

The fall's meeting was at Kure Beach during the weekend of October 2-4. During the Friday evening workshop, Dr. Ferguson discussed the Tonnacea and the Cardiacea. An interesting series of exhibits on these groups were shown by the members. On Saturday morning hired beach buggies took club members to the more inaccessible points of Kure Beach for shelling. At the business meeting the door prize, Murexsul octogonus, was won by Mrs. Phoebe Meadows. A letter from Mrs. Elizabeth McKinley was read by the President concerning the sudden death of Mrs. Lula Upchurch. A committee was appointed to write to Dr. Jack Upchurch expressing the sorrow of the club concerning the death of his mother. After a discussion by members attending the recent A.M.U. meetings, a motion was made and passed that the club invite the A.M.U. to hold either its 1966 or 1967 meetings in North Carolina.

The Christmas meeting was held December 12th in High Point College, High Point. During the morning there was a talk by Dr. Halsey Miller of High Point college on collecting of fossil shells in western U.S.A. Mrs. Elizabeth Mathews was judged to have the best shell display at the meeting. The afternoon session speakers were Dr. Charlotte Dawley, Univ. N. C. in Greensboro, who spoke on the fresh-water mollusca of North Carolina and Mrs. Dorothy Beetle, Director of the Charlotte N.C. Children's Nature Museum, who talked on shell collecting in Wyoming. At the business session it was decided to help the State Museum of Natural History in Raleigh to revamp its shell collection and to do this in memory of the late Mrs. Lula Upchurch. After much discussion it was also decided to petition the North Carolina State Legislature to name the Scotch Bonnet, Phalium granulatum, as the state shell. A motion was passed which would set aside each year a small sum of money to be used in purchasing specimen grade shells for door prizes. It had been pointed out that previously most door prizes had been donated by the President, Mr. Carl Withrow. This meeting's door prizes were a

Strombus gigas won by Dr. Ferguson and a number of Strombus raninus won by a Mrs. Moore of Highpoint, Mr. James Wadsworth, Mr. Wade Brown, and Mrs. Barbara Green. The following slate of officers was elected for 1965: Pres. - Mr. Paul Jennewein, Vice-pres. - Mrs. H. M. Bertling, Sec. - Mr. Hugh J. Porter, Treas. - Mrs. Elizabeth Mathews, and Exec. Comm. Member-at large - Mr. Harry T. Davis.

In the Christmas 1964 Newsletter and Meeting Announcement, a questionnaire was included to find what the shell-interests of the membership were and what was desired of the meetings and bulletin. This questionnaire was answered by 62 of the 224 Shell Club members.

In the suggestions for future meetings, Dr. Ferguson was most frequently urged to continue his taxonomic workshop. Outside speakers including well-known malacologists were urged. An annual banquet was suggested. Ecological talks and those on a more practical or non-scientific level were also urged. Several persons stressed the need for more information on what might be found on certain beaches and when the best collecting occurred. Many persons requested more movies on sea life. There was a continuing interest in the display, the exchanging, and/or the buying of shells while at the meetings. Renewed use of name tags for all persons attending meetings was suggested. Several persons emphasized the hope that the club in honor of Mrs. Upchurch could make the mollusk collection at the State Museum of Nat. Hist. in Raleigh an outstanding collection. The need for a good listing of North Carolina shells was further indicated.

Field trips to the more inaccessible beaches of North and South Carolina were stressed. There was continued interest in doing collecting for fossil, freshwater, and land shells. Several persons were interested in the possibility of dredging field trips. It was mentioned that it might be wise on a field trip to include instructions in the what, where, and hows of collecting.

A questionnaire of the sort that was put to the club was the type that might be expected to elicit gripes from unhappy members. As it was, this was not noted and it was surprising how many persons wished the meetings to continue as they have been.



FINANCIAL STATEMENT - N. C. SHELL CLUB  
Period: Sept. 26, 1963 - December 10, 1964

Balance on hand Sept. 26, 1963 \$116.14

Receipts:

Dues: 9-26-63 to 12-10-64	\$205.50	
Ck. forwarded for boat trip to Cape Lookout 5-23-64	6.00	
Profit on boat trip 5-23-64	25.98	
Rebate on soft drink bottles	<u>1.44</u>	\$238.92
TOTAL		\$355.06

Disbursements:

Postage	\$46.35	
Printing and Supplies	50.94	
Refreshments	22.36	
Miscellaneous	<u>6.16</u>	\$125.81

Balance on hand December 10, 1964 \$229.25

Respectfully submitted,  
Elizabeth T. Mathews  
Treasurer, N. C. Shell Club

NECROLOGY

Dr. B. W. Fassett  
Mrs. Lula Upchurch

FOR THOSE WHO LIKE LIMERICKS, your Secretary inserts the following published by C. W. Johnson in 1927 in The Nautilus 40(4):138. It was written following the change in the generic name of our common conch from Fulgur to Busycon Bolten.

"There was a young lady in Lyme  
Who knew all the shells at one time  
But when they used Bolten  
Her nerves were all broken  
And now she is in a Decline."

CONSTITUTION OF THE NORTH CAROLINA SHELL CLUB  
Revised October 21, 1961 and December 14, 1963

This club shall be called the North Carolina Shell Club.

Membership shall be open to any persons interested in the collection of shells or the study of Malacology. New members may be received by the consent of the club at any regular meeting. Annual dues for Adult Members shall be \$1.00, for Junior Members \$0.50. Junior membership shall include all individuals of grade school age or younger. Those members three or more years behind in their dues shall have their membership terminated after due notice.

The following officers shall be elected annually, by ballot on the first meeting of the year: President, Vice-President, Secretary, and Treasurer.

An Executive Committee shall consist of the above officers, the retiring president, and one member who shall be elected annually. It shall be the duty of the Executive Committee to arrange programs for the meetings and supervise the affairs of the club.

The constitution may be altered by a majority vote of the total membership at any regular meeting, but written notice shall be given for any proposed change.

HINTS ON SHELL CARE - copied from "Let's Collect Shells". 1956, Shell Oil Co.

". . . . Put your tiniest, most fragile ones in a 4% solution of commercial formaldehyde. Put the rest in a pot of fresh water and slowly bring it to a boil. Probably they have already died, but either way their passing is slow - as it should be. Otherwise they might contract quickly and crack their shells. When cool, your bivalves will be gaping open; simply scrape them clean. Your univalves will be more difficult; remove the animal with a crochet hook or other piece of bent wire, turning it gently with the spiral; try to get it out whole to save yourself trouble. Save the univalve's operculum; slice it off at the muscles that hold it; it will preserve indefinitely and is a valuable part of the shell.

Clean the shell's exterior by scraping it gently with a dull knife or nail file, then soaking it in a chlorox solution (1 cup to 2 quarts water) for two hours. Some

will be covered with an ugly skin - scientists keep this intact and you should try to. The best collection has two of each species - one with and one without the epidermis.

After your clean shells have dried (in sand, not sun), go over them with a rag dampened in light oil (Shell Household Lubricant). This insures preservation and restores their natural luster. Every three months or so, rub them with oil again - their most delicate colors will remain brilliant for years. Don't ever use shellac, lacquer varnish. . . . ."

NOTICE: PASSENGER FERRY SERVICE TO CAPE LOOKOUT.

See loose enclosed notice in bulletin. The ferry will first start service sometime between Easter and May 15th, 1965 and then will run between April 1 and Dec. 1 except during rough weather. With it in operation, the opportunities by Shell Clubbers for collecting on one of North Carolina's finest beaches are greatly expanded.

# MEMBERSHIP LIST -- NORTH CAROLINA SHELL CLUB

February, 1965. \*Denotes Charter

( ) denotes collecting interest when known

Mrs. Katherine H. (Hinton)  
ADAMS, 204 Meade Street,  
Greenville, N.C. 27834  
Phone PL2-5295 (Florida  
shells).

Mrs. Kenner AMOS, 407  
Hillcrest Drive,  
High Point, N. C.

Miss Laura AMOS, 407 \*\*  
Hillcrest Drive,  
High Point, N. C.

Mrs. Anne F. BAREFOOT,  
Hallsboro, N. C.

Mrs. C. Richard BATES,  
Route 3, Box 338,  
Wilmington, N. C.

Mrs. Dorothy BEETLE, 1658  
Sterling Rd., Charlotte,  
N. C. (Western U.S.A. land  
shells).

\*Mrs. Graham BELL, Box  
149, Fayetteville, N. C.

\*Miss Lila BELL, 1620  
Saint Marys Street,  
Raleigh, N. C.

Mrs. Ruth M. BERRY, 709  
Parker St., Durham

Dr. M. H. BERTLING, 2312  
Princess Anne St., Greens-  
boro, N.C. Vice-pres. 1964

\*\* Junior Member

Mrs. M. H. BERTLING, 2312  
Princess Anne St., Greens-  
boro, N.C. Vice-pres. 1965.

Miss Marian BERTLING, 2312  
Princess Anne St., Greens-  
boro, N.C. Junior Member.

Mrs. Mavis R. (Rowlett)  
BIRON, 4317 Dinglewood Ave.  
Charlotte, N.C.  
28205, Phone FR5-2954  
(General collecting and  
Cowries).

Mr. Kenneth BRANTLEY, 301  
Lillian Rd., Wilson, N.C.  
Junior Member.

Mrs. Ralph BRILES, P.O.  
Box 788, Asheboro, N.C.

Mr. & Mrs. Wade G. BROWN  
(Nancy Browning), 1317  
Arnette Ave., Durham, N.C.  
27707, Phone 489-3140  
(North Carolina & Western  
shells, Murex & Pectens)

Mr. & Mrs. W. Carroll  
BRYAN, 210 Woodlawn  
Drive, Jacksonville, N.C.

Mrs. Bessie E. BUCK, Box  
12042, Raleigh, N.C.

Mr. & Mrs. Fred S. BURR  
315 S. Second St., Wil-  
mington, N.C. 28401

Miss Camille CARROLL, Box  
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Mr. Herbert CARSON, Sr.  
Lillington, N. C.

Mrs. G. A. CHARLES (Kate  
Cochran), 2516 Edgewater  
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Phone HU4-2001. (World-  
wide, North Carolina,  
Marine, Estuarine, and  
Fossil).

Mr. Stanley G. CHEEK,  
Kure Beach, N.C.

Dr. A. F. CHESTNUT, Univ.  
N. C., Institute of Fish-  
eries Research, Morehead  
City, N.C. 28557

Mrs. Mary G. CLARKE  
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(Marine forms - World-  
wide and North Carolina.

\*Mr. Harry T. DAVIS, Box  
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Carolina - Marine, Est-  
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\*Dr. Charlotte DAWLEY  
Biol. Dept., Univ. North  
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Mr. & Mrs. Allen DEHART,  
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Miss Betty DIVINE, 416  
South Front Street,  
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Mr. B. A. DIXON, 711  
Parker St., Durham, N.C.  
(World-wide, U.S. & North  
Carolina Marine shells)

Mrs. B. A. DIXON (Ruth  
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(Taxonomy of Fossil and Liv-  
ing World-wide Shells).  
Vice-pres. 1961.

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Marine & Fossil shells).

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Member. ;(U.S. & North  
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Marine & Fossil shells).

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Marine Gastropods).

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HARRINGTON, Willis Land-  
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Hubert, N.C.

Mrs. Emmett HARRIS,  
Swansboro, N.C.

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Fremont, N.C. Junior  
Member.

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28401, Phone RO3-8644.  
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Mr. & Mrs. J. H. HONEYCUTT  
Box 293, Pineville, N.C.

Mrs. D. W. HURLEY, Box  
145, Biscoe, N.C.

Mrs. Dan JACKSON (Marian  
McGill), Rt. 1, St. Pauls,  
N.C. 28384, Phone 865-8681  
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Carolina shells).

Paul JEFFREYS, Fremont,  
N.C. Junior Member.

Mrs. Ernest JEFFREYS,  
Fremont, N.C.

Mr. Paul R. JENNEWAIN,  
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Wrightsville Beach, N.C.  
Phone AL6-2532. (North  
Carolina Marine and  
Estuarine shells)  
President 1965.

Mrs. Thomas JOHN (Dibba  
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evard, Laurinburg, N.C.  
28352, Phone CR6-1797.  
(North Carolina south to  
the Caribbean Islands).

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3206 Sussex Road, Raleigh,  
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shells particularly  
Cowries, Pectens & Wentle-  
traps). President 1960.

Mr. & Mrs. T. Moyle  
JOHNSON, Bowling Creek  
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Mr. & Mrs. R. Fleming  
JONES, P. O. Box 441,  
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wide Marine & Fossil shells)

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North Carolina Estuarine,  
Fresh-water & Land shells).

Dr. & Mrs. G. Fredrick KUDER,  
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Durham, N. C.

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N.C.

Mrs. S. R. LEAGER, 1306  
Mayfair Road, Raleigh,  
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Mrs. Betty LEAMAN, Court  
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Bill LOVIN, Box 688, Red  
Springs, N.C. Junior Member

Cindy LOVIN, Box 688, Red  
Springs, N.C. Junior Member

Timmy LOVIN, Box 688, Red  
Springs, N.C. Junior Member

Mr. Walter LOWRY, 5404  
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and Fossil shells).

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Marine shells).

Miss Roberta E. LYTTLE  
A-3, Raleigh Apts.,  
Raleigh, N.C. Sec.-treas.  
1958, 1959.

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Box 534, New Bern, N.C.  
28561, Phone ME7-2210  
(General)

Mrs. H. C. MACDONALD  
(Sallie Wynne), Box 534,  
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(General).

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mington, N.C. 28401,  
Treasurer 1964-1965.

Mr. James MATTOCKS, Pro-  
fessional Bldg., High  
Point, N.C. 27261.

Miss Sara J. MCCOLLUM,  
330 Patrick St., Leaks-  
ville, N.C. Junior Member

Miss Margaret G. MCCOLLUM  
330 Patrick St., Leaksville,  
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Mrs. Donald W. MCCOY,  
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& Gulf Coast Marine shells).



Mr. & Mrs. Robert MCDOWELL,  
Franklin, N. C.

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(North Carolina Marine shells)

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Mrs. B. K. MERRITT, Route  
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lina & Florida shells).

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Mrs. Mattie S. NANCE,  
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Mrs. Jessie H. NEWBOLD,  
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Mr. & Mrs. Julian ONETA  
Hotel Carolinian,  
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Treas. 1960-1963.

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N.C.

Mr. & Mrs. George REEDER,  
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Vice-pres. 1957-1958.

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Mrs. A. J. SCALES, 1006  
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Mr. W. F. TINDER, P. O.  
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1961-1962; Vice-pres. 1959-  
1960.

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Mrs. W. H. WEATHERSPOON,  
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Dr. W. H. WHEELER, Dept.  
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Chapel Hill, N.C. 27515,  
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and Fossil shells).

Mrs. Smith WHITESIDE  
(Jeanne), 1516 Kent St.,  
Durham, N.C. 27707, Phone  
489-2214. (North Carolina  
Florida & Caribbean Marine  
& Fossil shells).  
Vice-pres. 1963.

Miss Mary D. WIGGS,  
Fremont, N.C.

Mr. Robert E. WILLIAMS,  
207 N. 7th Street,  
Wilmington, N.C.

Mr. Carl WILSON, 212 Nun  
Street, Wilmington, N.C.

Mrs. Louise White WILSON,  
2512 St. Mary's Street,  
Raleigh, N.C.

Dr. Margaret WILSON, 510  
Professional Building,  
Raleigh, N.C.

Mrs. Lucille WINSLOW,  
Hotel Carolinian, Nags  
Head, N.C.

Mr. Carl C. Withrow, 2010  
Dalehurst Drive, Charlotte  
5, N.C. 28205, Phone 376-  
4117. (World-wide Marine  
shells particularly the  
Volutacea, Muricacea,  
Conidae and Strombidae).  
President 1963-1964;  
Vice-pres. 1962.

Mrs. C. C. WITHROW  
(Elizabeth Hogg), 2010  
Dalehurst Drive, Charlotte  
5, N.C. 28205, Phone 376-  
4117. (World-wide Marine  
particularly the Wentletraps)

Mr. George WISE, 411 28th  
Ave. N., Myrtle Beach, S.C.  
29577.

Mr. Carl S. WOOD, P.O.  
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wide shells).

Mrs. Carl S. WOOD (Mozelle  
Virginia Garner), P.O.  
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Mrs. Wallace W. WORRALL  
(Jenny Frye), Bath, N.C.  
27808, Phone 923-3641.  
(World-wide shells).

Miss Barbara WRIGHT, 708  
Brookside Drive, High  
Point, N.C. Junior  
Member.

Tommy WRIGHT, 708  
Brookside Drive, High  
Point, N.C. Junior  
Member.

Mrs. T. W. YARBOROUGH  
(Moss), 1117 Montpelier  
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27410, Phone 299-6626.

Miss Ann YELVINGTON, Rt.  
1, Box 208, Clayton,  
N.C.

PERSONS WHO HAVE PAID  
DUES AND ARE TO BE  
VOTED ON IN MARCH, 1965:

Mr. T. W. YARBOROUGH,  
1117 Montpelier Drive,  
Greensboro, N.C. 27410

Mrs. Minnie May CHANDLER,  
Rt. 1, Free Union Parson-  
age, Pinetown, N.C.

Miss L. Marguerite DEYOE,  
c/o State School for  
Blind, Raleigh, N.C.

The Gaudy Scallop (continued from p. 6)

white; white with combinations of orange, browns or violet; white with radiating streaks of orange; orange; orange with combinations of radiating and circular banded patterns, and orange-burnt orange combinations; violets ranging to violet browns.

2. Upper and lower valves differing:  
complex range of variations; for example: violet and violet brown; orange and white streaked with orange; brownish violet band on periphery of valve with orange area blotched with brownish violet near hinge, and, on other valve, violet band on periphery with white area blotched with orange near hinge.

So collect what pleases you, but don't overlook the possibilities of our own Atlantic shores! Who has found the Sentis Scallop on or off North Carolina?