

UNIVERSITY OF MICHIGAN
ANN ARBOR, MICHIGAN, U. S. A.

MUSEUM OF ZOOLOGY

November 28, 1958

Wm. P. Harris
c/o Mammal Division

Dear Bill:

Inclosed is a list of the mollusks I collected in the Huron Club area this past spring. You will note that I listed the species reported by Walker and Ruthven (1906) on the left side and those I found on the right. It is clear that they found species in the Porcupines that I did not find in the Huron Mtn. tract. However, I collected only a week and I am sure it will not prove too difficult to find most of those in the Walker-Ruthven list when the collecting is done more carefully than I was able to do it. Also, I found some species they did not report and this difference is related to the presence of a river, some lakes and perhaps some ecological land shell conditions not present in the Porcupines but available on the Huron Mtn. tract. In brief, this sheet will give you a cryptic indication of the potential amount of mollusk material that lends itself for study.

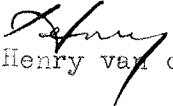
In some groups there is room for a good deal of careful study because we are not at all clear about the systematic status of species, etc. For example, it is not all certain what the relationships of the species of Strobilops are (Strobilops is a group of rather small land shells.) Among the aquatic forms there are a wide variety of problems. We don't know much about species in several of the common genera such as Physa, Lymnaea and Gyraulus. In the mussel group it has been difficult to know what Anodonta marginata is. It may be only the soft water phase of Anodonta grandis - a very wide spread and variable fresh-water mussel.

As you know many of the mollusks are intermediate hosts for a wide variety of parasites. The relation between many of the mollusks of that region to the parasites carried by the birds, mammals, fish, amphibia and reptiles, - all open a wonderful variety of interesting problems. Also, your suggestion that some effort be made to understand distribution by working out a transect from the Michigan Lake shore north to the southern shore of Lake Superior would prove a very worth while study. These data would be useful also in relating distribution and ecology to Paleontology (as illustrated in Hibbard's work), Anthropology, Limnology, etc.

In my work this spring I managed to get some good animal preparations. We did not do at all well with the tiny species and I do want to round out the collections with some efforts directed toward getting animals of such forms as: Striatura milium, S. exiguum, Planggyra astericus, etc. Now that I have a better idea of the region, the facilities available, etc. it will be much easier to prepare for building in what is lacking.

Thanks again for your many favors. It is a real stimulus and a great help to find someone who can appreciate the kinds of jobs that are at present so much in need of being done. We are working against time. This difficulty is nicely indicated in Bernard DeVoto article: "Hell's Half Acre, Mass."

Yours sincerely,


Henry van der Schalie

Field Book of Illinois Land Snails F.L. Baker 1939
 State of Ill. Nat. Hist. Survey Division, Urbana

Records: Walker and Ruthven from Porcupine Mountains

van der Schalie
 from Huron Mtn Tract June, 1958

Land:	Agriolima campestris Binney = laeve	71
<i>Deroceras</i>	Pallifera hemphilli Binney	92
?	Vitrina limpida Gould	18
	Zonitoides arboreus Say	32
	Zonitoides milium Morse (now <u>Striatura</u>)	
	Zonitoides exigua Stimpson (now <u>Striatura</u>)	32
	Vitrea ferrea Morse (now <u>Striatura</u>)	30
	Vitrea indentata Say (now <u>Retinella</u>)	30
	Vitrea binneyana (now <u>Retinella</u>)	29
	Anguispira alternata Say	74
? (<i>Gommodiscus</i>)	Discus cronkitei catskillensis Pilsbry	77
	Planogyra astericus Morse	37
?	Zoogenetes harpa	9
	Punctum pygmaeum	36
	Columella edentula	37
	Vertigo ovata Say	23
	Vertigo gouldi Binney	24
	Euconulus fulvus	31
	Euconulus chersinus polygyratus	31
	Carychium exile H.C. Lea	40

Derocerus laeve	
Deroceras reticulatum	
Zonitoides arboreus	32
Triodopsis (Polygyra) albolabris	14
Stenotrema fraternum	?
Helicodiscus parallelus	30
Anguispira alternata	34
Discus c. catskillensis	
Strobilops sp	20?
Cochlicopa lubrica	24

Key to genera of Freshwater Gastropods
Formals + Linpats occurring in Mich.
 J.B. Burch + C.M. Patten
 Mus. Zool. U of M. Circular # 5

Fresh-water:		
197	Lymnaea stagnalis appressa	42
430	Physa sayii	69
473	Aplexa hypnorum	72
317	Helisoma antrosom (anceps)	62
361	Menetus exacuous	67
374	Gyraulus parvus	65
387	Gyraulus hirsutum	66
73	Valvata sincera	76

Lymnaea humilus	54
Lymnaea parva	57
Lymnaea exilis	56?
Physa ancillaria	70 424
Helisoma campanulatum	63 345
Helisoma antrosom	62 317
Helisoma corpulentum	60 337
Menetus exacuous	67 361
Gyraulus hirsutum	66
Ferrissia rivularis	72 W. Porter Ph. L. 1960
Campeloma cf. decisum	74 57

Mussels:	
Elliptio complanatus	88 134
Anodonta grandis	84 152
Anodonta marginata (?)	84 165
Lasmsgona compressa	86 139
Anodontoides ferussacianus	95 176
Lampsilis siliquoidea	110 270
Sphaerium sp.	114 312

The Fresh Water Mollusca of Wisconsin
 2 vols. Frank C. Baker 1928

Wisconsin Academy of Sciences Arts & Letters
 Madison, Wis.

Key to Genera of Fresh water gastropods
Formals + Linpats occurring in Mich.
 H.J. Walter + John B. Burch 1957
 Mus. Zool. U of M. Circular # 13

Key to Genera of Freshwater
Pelecypods (Mussels) Classes of Mich.
 H.J. Walter + J.B. Burch 1957
 Mus. Zool. U of M. Circular # 13

July 1, 1958

Laird Bell
135 South LaSalle St.,
Chicago 3, Illinois

Dear Mr. Bell:

During the third week of last month I had an opportunity to collect mollusks on the Huron Mountain tract. My ten year old son and I stayed in Bill Harris's home and we had meals with the people there at that time. The experience was well worth while and I want to take this opportunity to thank you, Bill Harris, and the many people at the Club who helped to make our visit there so profitable and enjoyable.

During the week I was able to collect in some of the lakes, the Pine River and in several areas where land shells were found. The conditions in that region are very good for studies of the fauna of the Upper Peninsula. The mussel fauna of the Pine River is unusually rich. Just below the outlet of Pine Lake we found 5 species of mussels. I managed to get tissue samples from each and one of my students will make a cytological study to see what the chromosome numbers are in those groups. - Several aquatic snails also abound in Pine River and among them the genus Campeloma is of special interest. - We also tried to find the "Planorbis multivolvis Case" which has eluded Bryant Walker, Lloyd Smith, Dick Manville, Emile Abdel-Malek, and perhaps others who tried. Although I walked completely around the Howe Lake shore in my waders there was not a sign of this species that was collected about 1847. Later when I was looking for specimens in Ives Lake a species somewhat similar, called Helisoma campanulatum wisconsinensis Winslow was found and we did get some good animal material of that closely related form. Howe Lake evidently has changed in the last hundred years. The shell fauna evidently is no longer what it formerly was. We did find some Amnicola limosa on vegetation in that and other lakes. This little snail is known to carry the parasite that causes "Black Spot" on trout but it is possible that unless loons are infected there may be no grubby trout in the region. - We found a number of other snails and by using the Museum facility it was possible to prepare good specimens for studies of the animals here at the University.

The property there offers many fine possibilities for studies of animals and plants. Such possibilities are becoming scarce and I want to take this occasion to thank the members of the Club for giving us a chance to make this survey. I have spoken to Bill Harris about the interest of some of the Club members in improving facilities for field and laboratory studies. Developments of that kind would be very much worth while.

With best wishes, I remain,
Yours sincerely,

Henry van der Schalie
Professor of Zoology

cc to Mr. Harris